

ANNUAL REPORT APRIL 1, 2016 - MARCH 31, 2017

Gadsden, Alabama Urbanized Area Phase II Small MS4 NPDES General Permit

Gadsden-Etowah MS4 Entities

City of Attalla - ALR040052 City of Gadsden - ALR040053 City of Glencoe - ALR040054 City of Hokes Bluff - ALR040055 City of Rainbow City - ALR040056 City of Southside - ALR040057 Etowah County - ALR040009

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1.0 Introduction

S&ME, Inc. has prepared this Annual Report for the Gadsden – Etowah MS4 Entities that comprise the *Gadsden, Alabama Urbanized Area* Phase II Small Municipal Separate Storm Sewer System in accordance with S&ME Proposal No. No. 44-1600327, dated July 22, 2016 and Proposal No. 44-1600450, dated October 7, 2016. Ms. Christa Lyons, Ms. Emily Kennedy, and Ms. Deborah Jones with S&ME compiled information provided by each entity and prepared this report.

The urbanized area consists of the following entities (jurisdictions): The City of Gadsden, City of Rainbow City, City of Southside, City of Glencoe, City of Hokes Bluff, City of Attalla, and portions of unincorporated Etowah County.

Authorization date and responsible official for each entity are provided in Table 1.1.

Entity	Name	Date
City of Attalla	Larry Means, Mayor	January 17, 2017
City of Gadsden	Sherman Guyton, Mayor	November 16, 2016
City of Glencoe	Charles C. Gilchrist, Mayor	January 6, 2017
City of Hokes Bluff	Jeff Cheatwood, Mayor	September 4, 2016
City of Rainbow City	Terry John Calhoun, Mayor	October 27, 2016
City of Southside	Wally Burns, Mayor	August 4, 2016
Etowah County	Larry Payne, President	January 24, 2017

Table 1-1: Responsible Officials and Authorization Dates

The Annual Report is required by Part VI of the Alabama Department of Environmental Management (ADEM) National Pollutant Discharge Elimination System (NPDES) General Permit ALR040000 for discharges from regulated small municipal separate storm sewer systems (MS4). Permit numbers for each entity are provided in Table. 1.2.

Table 1-2: Permit Numbers for MS4 Entities

Entity	ADEM Permit Number
City of Attalla	ALR0400052
City of Gadsden	ALR0400053
City of Glencoe	ALR0400054
City of Hokes Bluff	ALR0400055
City of Rainbow City	ALR0400056
City of Southside	ALR0400057
Etowah County	ALR0400009



1.1 **Permit History**

The Storm Water Phase II Final Rule issued by the United States Environmental Protection Agency (USEPA) in 1999 requires nationwide coverage of all operators of small MS4s located within the boundaries of an "urbanized area" as defined by the latest decennial Census. Based on the results of the 2010 census, the Bureau of the Census designated the *Gadsden, Alabama Urbanized Area* to include the City of Attalla, the City of Gadsden, the City of Glencoe, the City of Hokes Bluff, City of Rainbow City, the City of Southside, and portions of unincorporated Etowah County. A map outlining the approximate boundary of the *Gadsden, Alabama Urbanized Area* is included in **Appendix A, Figure 1**.

The *Gadsden, Alabama Urbanized Area* initially applied for and received a NPDES MS4 Phase II General Permit from the ADEM in 2003. The five-year permit expired on March 9, 2008. A Notice of Intent for renewal of the permit was submitted 180 days prior to expiration and permit coverage was extended through re-issuance of the MS4 Phase II General Permit ALR04-0009 with an effective date of February 1, 2011. This permit expired on February 1, 2016 and was administratively continued. A Notice of Intent for renewal of the permit was submitted by each entity 180 days prior to expiration; therefore the permit coverage was extended until the Alabama Department of Environmental Management (ADEM) issued a separate permit for each entity with an effective date of October 1, 2016. Maps outlining the approximate urbanized area and city limits for each entity are included in their corresponding appendix.

A copy of the NPDES General Permit is included in the 2017 SWMPP.

1.2 Storm Sewer System

A Municipal Separate Storm Sewer System (MS4) is defined by 40 CFR Part 122.26(b)(8) to be a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains) that is:

- (i) Owned or operated by a State, city, town, borough, county, parish, district, association, or other public body (created by or pursuant to State law) having jurisdiction over disposal of sewage, industrial wastes, storm water, or other wastes, including special districts under State law such as a sewer district, flood control district or drainage district, or similar entity, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under section 208 of the CWA that discharges to waters of the United States;
- (ii) Designed or used for collecting or conveying storm water;
- (iii) Not a combined sewer; and,
- (iv) Not part of a Publicly Owned Treatment Works (POTW) as defined at 40 CFR 122.2.

1.3 Area and Population Description

The *Gadsden, Alabama Urbanized Area* is located in northeast Alabama and encompasses approximately 38,223 acres. Populations of each entity covered by the referenced NPDES General Permits are shown in the following table.



Entity	2000 Census Population	2010 Census Population
City of Attalla	6,592	6,048
City of Gadsden	38,978	36,856
City of Glencoe	5,152	5,160
City of Hokes Bluff	4,149	4,286
City of Rainbow City	8,428	9,602
City of Southside	7,036	8,412
Etowah County	103,459*	104,430*

Table 1-3: Populations from 2000 and 2010 Census

* Total for the county, including municipalities

1.4 Hydrologic Units in the Urbanized Area

Neely Henry Lake (Coosa River) is the primary receiving water for the Gadsden-Etowah MS4. Hydrologic Hierarchy, Watersheds, and Subwatersheds are provided in the tables below.

Table 1-4: Hydrologic Hierarchy

REGION	03	South Atlantic-Gulf
SUBREGION	0315	Alabama River Basin
BASIN	031501	Coosa-Tallapoosa: Above the confluence of and including the Coosa and Tallapoosa River Basins
SUBBASIN	03150106	Middle Coosa

Table 1-5: Watersheds in the Urbanized Area

Watershed	HUC
Coosa River-Black Creek	03150106-01
Big Wills Creek	03150106-02
Coosa River-Big Canoe Creek	03150106-03

Table 1-6: Subwatersheds in the Urbanized Area

SUBWATERSHED	HUC	TOTAL AREA (ACRES)
Little Wills Creek	03150106-01-06	18,121
Black Creek	03150106-01-07	40,879
Horton Creek	03150106-01-08	16,902
Dry Creek	03150106-02-02	9,778



Big Cove Creek	03150106-02-03	18,028
Turkey Town Creek	03150106-02-04	57,474
Little Canoe Creek - Lake Sumatanga	03150106-03-04	20,260
Lower Big Canoe Creek	03150106-03-06	33,299
Coosa River - H. Neely Henry Lake	03150106-03-09	46,439
Lower Ohatchee Creek	03150106-04-05	19,980

1.5 Water Quality Concerns

Section 303(d) of the Clean Water Act (CWA), as amended by the Water Quality Act of 1987, and EPA's Water Quality Planning and Management Regulations (40CFR130) require states to identify waterbodies not in compliance with the water quality standards applicable to their designated use classifications. The identified waters are prioritized based on severity of the pollution. Section 303(d) then requires that total maximum daily loads (TMDLs) be determined for all pollutants causing violation of applicable water quality standards in each identified segment. The TMDL process establishes the allowable loading of pollutants, or other quantifiable parameters for a waterbody, based on the relationship between pollution sources and in-stream water quality conditions.

As mentioned in Section 1.3, Neely Henry Lake is the primary receiving water for the Gadsden-Etowah MS4. In 1996, the ADEM identified five of the six reservoirs on the Coosa River within the State of Alabama's borders as being impaired, including Neely Henry Lake. The following table summarizes the impaired segments of Neely Henry Lake.

ASSESSMENT UNIT ID	WATERBODY NAME	USES	CAUSES	SOURCES
AL03150106-0309-101	Coosa River (Neely Henry Lake)	Swimming Fish & Wildlife	Nutrients pH Organic Enrichment (CBOD, NBOD)	Industrial Municipal Flow regulation/modification Upstream sources
AL03150106-0309-102	Coosa River (Neely Henry Lake)	Fish & Wildlife	Nutrients pH Organic Enrichment (CBOD, NBOD)	Industrial Municipal Flow regulation/modification Upstream sources
AL03150106-0104-101	Coosa River (Neely Henry Lake)	Fish & Wildlife	Nutrients pH Organic Enrichment (CBOD, NBOD) Priority Organics (PCBs)	Industrial Municipal Flow regulation/modification Upstream sources Contaminated sediments

Table 1-7: Impaired Waterbody Segments in the Urbanized Area



Table 1-7: Impaired Waterbody Segments in the Urbanized Area

ASSESSMENT UNIT ID	WATERBODY NAME	USES	CAUSES	SOURCES
AL03150106-0104-102	Coosa River (Neely Henry Lake)	Public Water Supply Fish & Wildlife	Nutrients pH Organic Enrichment (CBOD, NBOD) Priority Organics (PCBs)	Industrial Municipal Flow regulation/modification Upstream sources Contaminated sediments

Sources of nutrient and organic enrichment from non-point sources within the Coosa River watershed include:

- Runoff from pastures
- Runoff from animal operations
- Direct discharge to streams due to cattle
- Improper land application of animal waste
- Failing septic systems
- Urban runoff

Point source contributors of storm water pollution within the Coosa River watershed include:

- Discharge from wastewater treatment plants
- Discharge from industrial operations

In 2008 the EPA approved TMDLs for Neely Henry Lake related to Nutrients (Total Phosphorous), pH, and Dissolved Oxygen. The Gadsden-Etowah MS4 is required to achieve a **30% reduction in Total Phosphorus discharge loading**.

Part IV.D of the NPDES General Permit requires that the SWMPP include BMPs and control measures specifically targeted to achieve the waste load allocations prescribed in the TMDL. The SWMPP must also include monitoring provisions to document that the waste load allocations prescribed in the TMDL are being achieved.

1.6 Coordination Between Entities

Each of the eight entities will provide at least one member to the Gadsden-Etowah Storm Water Steering Committee. Each entity will be responsible for providing the required annual updates and monitoring data to the Steering Committee.

Coordination between departments and individuals internal to each of the eight entities is established in each section of the Plan specific to the individual entities.

In March 2014, the Gadsden-Etowah Storm Water Steering Committee developed an Illicit Discharge Detection and Elimination (IDDE) Program for the entities to collectively use as a guidance. The IDDE Program is included in the 2017 SWMPP.



1.7 Responsible Party

Each entity is responsible for the coordination and implementation of their entity's Storm Water Management Plan. Each entity provides a presentative to participate on the Storm Water Steering Committee for the urbanized area. The Storm Water Steering Committee is responsible for the implementation of the monitoring plan. Current membership of the Storm Water Steering Committee is as follows:

ENTITY	CONTACT	PHONE NO.	EMAIL
City of Gadsden	Jeramy Ward	256-549-4527	jward@cityofgadsden.com
City of Gadsden	Heath Williamson	256-549-4520	hwilliamson@cityofgadsden.com
City of Attalla	Jason Nicholson	256-441-9200	j.nicholson@attallacity.com
City of Rainbow City	Kevin Ashley	256-413-1240	kashley@rbcalabama.com
City of Southside	Jimmy Whittemore	256-442-9775 Ext. 103	jwhittemore@cityofsouthside.com
City of Glencoe	Brian Bramblett	256-492-1424	brianbramblett@cityofglencoe.net
City of Hokes Bluff	Lisa Johnson	256-492-2414	hbcity@cityofhokesbluff.net
Etowah County	Tim Graves	256-549-5358	tgraves@etowahcounty.org
Etowah County	Robert Nail	256-549-5358	Rnail@etowahcounty.org

Table 1-8: MS4 Storm Water Steering Committee

1.8 SWMPP Components

Part III.B of the NPDES General Permit requires that the Permittee develop and implement a storm water management program that includes the following five minimum control measures:

- 1. Public Education and Public Involvement on Storm Water Impacts
- 2. Illicit Discharge Detection and Elimination (IDDE)
- 3. Construction Site Storm Water Runoff Control
- 4. Post-Construction Storm Water Management in New Development and Redevelopment
- 5. Pollution Prevention/Good Housekeeping for Municipal Operations

In 2016, S&ME was retained by the Gadsden-Etowah Storm Water Steering Committee to revise and update the SWMP for the Gadsden-Etowah MS4. The updated SWMP was submitted to the ADEM on January 1, 2017. The ADEM approved the submitted SWMP in January of 2017.

1.9 Annual Review



The Storm Water Management Plan will be reviewed annually by the each entity in preparation for the annual report required by Part V of the NPDES General Permit. The Storm Water Steering Committee will review the monitoring plan annually.

1.10 Updates to the SWMPP

The SWMPP may be updated following the procedures laid out in Part IV.B.2 of the NPDES General Permit. Changes to the SWMPP adding components, controls, or requirements may be made at any time, provided the ADEM is notified in writing. The changes must also be documented in the annual report.

Permission to make changes to the SWMPP to remove or replace components, controls, or requirements must be requested from the ADEM a minimum of 60 days prior to making the change. If the request is denied, the ADEM will provide a written response giving the reason for the decision.

1.11 Annual Report Components

Part VI of the NPDES General Permit requires that the Gadsden-Etowah MS4 prepare and submit annual reports to the ADEM each year by May 31. The Annual Report must cover the year prior to the submittal date (April 1 through March 31) and is required to include the following:

- 1. Contacts and responsible parties who had input to and are responsible for the preparation of the annual report
- 2. Overall evaluation of the SWMPP developments and progress for the following:
 - a. Major accomplishments
 - b. Overall program strengths/weaknesses
 - c. Future direction of the program
 - d. Overall determination of the effectiveness of the SWMPP taking into account water quality/watershed improvements
 - e. Measureable goals that were not performed and reasons why the goals were not accomplished
 - f. Evaluation of the monitoring data
- 3. A narrative report of all minimum storm water control measures of the permit to include the following:
 - a. Minimum control measures completed and in progress
 - b. Assessment of the controls
 - c. Discussion of proposed BMP revisions or any identified measureable goals that apply to the minimum storm water control measures
- 4. Summary table of the storm water controls that are planned/scheduled for the next reporting cycle



- Results of information collected and analyzed during the reporting period including monitoring data used to assess the success of the program at reducing the discharge of pollutants to the MEP
- 6. Notice of reliance on another entity to satisfy some of your permit obligations
- 7. All monitoring results collected during the reporting period
- 8. Proposed changes to the SWMPP



2.0 Storm Water Monitoring

2.1 Rationale Statement

As discussed in Section 1.4, the Gadsden-Etowah MS4 currently discharges to an impaired waterbody. Part IV.D.1(c) of the NPDES General Permit requires that the SWMPP include a monitoring plan to assess the effectiveness of the BMPs in achieving the waste load reductions/allocations outlined in the TMDL.

The intent of the proposed monitoring program is to evaluate the effectiveness of the City's BMPs in achieving the required reduction as established in the TMDL and to generally evaluate overall water quality. Where deviations are documented and/or expected, the collected monitoring data will be used to determine the extent and cause of the pollutant of concern.

The Storm Water Monitoring Plan including monitoring parameters, monitoring locations, field documentation, and sampling procedures is described in Section 2 of the SWMPP dated January 1, 2017.

2.2 Monitoring Events

Since January 2013, S&ME, Inc. was been retained by the Gadsden-Etowah Storm Water Steering Committee to collect the required quarterly water samples for 2013 and the subsequent years as well as provide analyses of the sampling events.

MS4 Reporting Period	Monitoring Event	Date(s) Monitoring Conducted
April 1, 2012 – March 31, 2013	2013 Q1	March 12-13, 2013
	2013 Q2	May 8 & 20, 2013
April 1 2012 March 21 2014	2013 Q3	September 23, 2013
April 1, 2015 – March 51, 2014	2013 Q4	December 10, 2013
	2014 Q1	February 6, 2014
	2014 Q2	June 26, 2014
April 1, 2014 – March 31, 2015	2014 Q3	September 30, 2014
	2014 Q4	November 19, 2014
	2015 Q1	March 23, 2015
	2015 Q2	April 22, 2015
April 1 2015 March 31 2016	2015 Q3	September 30, 2015
April 1, 2015 – March 31, 2016	2015 Q4	November 19, 2015
	2016 Q1	March 15, 2016
April 1 2016 - March 31 2017	2016 Q2	June 29, 2016
	2016 Q3	August 9, 2016

Table 2-1: Monitoring Events



Gadsden, Etowah County, Alabama S&ME Project No. 4482-17-005

2016 Q4	December 7, 2016
2017 Q1	March 2, 2017

A monitoring report was issued to the members of the Steering Committee following each monitoring event. Copies of the reports for the monitoring events conducted during the April 1, 2016 to March 31, 2017 reporting period are provided in **Appendix C**.

1.1 Analysis of Monitoring Results

Direct comparison of monitoring results can be misleading, as each rain event that was sampled varied in intensity and duration. Seasonal variation is also expected, due to fertilizer application schedules and natural algae growth cycles.

At this time, there is not sufficient data to determine the amount of reduction in Total Phosphorous from the MS4 or to analyze seasonal trends in the sampled waterways. Charts 1 through 9 in **Appendix B** summarize the analytical data collected since the Monitoring Program was first implemented in March of 2013.

1.1.1 Monitoring Point AT5

Monitoring point AT5 evaluates flow in Big Wills Creek approximately 0.27 mile downstream of its confluence with Little Wills Creek. Big Wills Creek flows from the City of Valley Head, Alabama to Gadsden, Alabama, passing through the City of Fort Payne. Big Wills Creek totals approximately 87 miles in length, with a watershed of over 365 square miles. Approximately seven square miles of the Gadsden-Etowah MS4 contribute to Big Wills Creek upstream of monitoring point AT5.

When compared to the other monitoring points, elevated levels of orthophosphate, total phosphorous, nitrate-nitrite, total Kjeldahl nitrogen, and total suspended solids have consistently been observed at monitoring point AT5. As shown in Charts 1 through 9, analytical values for AT5 are regularly the maximum value as compared to the other points observed during the monitoring events.

A basic statistical summary of the analytical results for all samples collected at monitoring point AT5 is provided below in Table 2-3.

PARAMETER	MINIMUM	MAXIMUM	MEDIAN	AVERAGE	SD
Turbidity (NTU)	14.9	934.0	26.5	86.2	212.7
pH (su)	4.06	8.69	7.08	6.78	1.31
Dissolved Oxygen (mg/L)	2.59	20.43	9.45	10.03	4.62
Temperature (°C)	6.91	23.80	14.98	16.45	6.03
Nitrate-Nitrite (mg/L)	0.3	1.8	0.8	0.9	0.3

Table 2-3: Basic Statistical Summary of Water Data for AT5



PARAMETER	MINIMUM	MAXIMUM	MEDIAN	AVERAGE	SD
Orthophosphate (mg/L)	0.07	0.66	0.29	0.31	0.18
Total Phosphorous (mg/L)	0.11	0.86	0.35	0.36	0.21
Total Kjeldahl Nitrogen (mg/L)	0.27	1.47	0.44	0.57	0.34
Total Suspended Solids (mg/L)	14	76	20	31	20

Table 2-3: Basic Statistical Summary of Water Data for AT5

As previously discussed, the Gadsden-Etowah MS4 encompasses approximately 1.9% of the Big Wills Creek watershed; therefore, there is potential for the elevated levels to be a result of upstream activities outside of the MS4 area. The Gadsden-Etowah MS4 will continue to monitor point AT5 during the April 1, 2017 to March 31, 2018 reporting period. If elevated levels of phosphorous and nitrogen continue to be observed, the Gadsden-Etowah MS4 may consider the addition of upstream monitoring points to verify whether or not the source is external to the MS4 area.

2.2.1 Monitoring Point SME1

Monitoring point SME1 was sited to observe water quality at the location where the combined flow from Big Wills Creek, Black Creek, and Horton Creek enters the Coosa River, approximately 6.6 miles downstream from AT5. Monitoring point GD8 is located in Black Creek and monitoring point RC2 is located in Horton Creek. The monitoring locations are identified on Figure 2 in **Appendix A**.

The analytical results for phosphorous and nitrogen at SME1 have consistently been lower than those recorded at AT5, indicating that dilution is occurring before the combined flow from AT5, GD8, and RC2 discharges to the Coosa River.

2.3 Analytical Results

Field observations and analytical results will be recorded at the time of sampling. The resulting field notes and laboratory analytical reports will be retained by each entity for a minimum of 3 years.

2.4 Evaluation of Results

Results from each sampling event will be evaluated annually.



3.0 Reporting and Record-Keeping

Part V.A of NPDES General Permit ALR040000 issued to each entity of the Gadsden-Etowah MS4 that comprises the *Gadsden, Alabama Urbanized Area* outlines the monitoring, recordkeeping, and reporting requirements.

3.1 Annual Reports

Annual reports are due to the ADEM by May 31 of each year. The annual report will cover the period from April 1 through March 31 of the year prior to the submittal date and will include:

- 1. List of contacts/responsible parties for the preparation of the Annual Report
- 2. Evaluation of SWMPP and discussion of the following:
 - a. Major accomplishments
 - b. Overall program strengths/weaknesses
 - c. Future direction of the program
 - d. Evaluation of the effectiveness of the SWMPP in achieving water quality/watershed improvements
 - e. Measureable goals that were not performed and reasons why
 - f. Evaluation of monitoring data
- 3. Measurable goals for each of the five minimum control measures
- 4. Proposed changes to the SWMPP, including changes to BMPs or measurable goals
- 5. An assessment of whether or not the existing BMPs are appropriate
- 6. Summary of storm water activities planned for the upcoming year
- 7. Progress toward reducing the discharge of pollutants to the maximum extent practicable

3.2 Recordkeeping

The following records must be maintained by each entity and will be made available for examination. Records will be retained for a minimum period of at least three (3) years from the data of the sample, measurement, report, or application for the term of the NPDES General Permit, whichever is longer.

The following is a list of records to be retained:

- Copies of all reports required by the permit
- Copies of monitoring reports
- Copy of the NPDES General Permit
- Copy of the Notice of Intent



4.0 City of Attalla (ALR0400052)

The City of Attalla (City) encompasses approximately 7.5% of the Urbanized Area and accounts for approximately 9% of the population. A map depicting the City of Attalla's urbanized area and city limits is located in **Appendix D-1**, **Figure 1**.

In accordance with Part III.B of the NPDES General Permit, the 2017 SWMPP detailed the specific activities the City planned to undertake regarding the following five minimum control measures:

- 1. Public Education and Public Involvement on Storm Water Impacts
- 2. Illicit Discharge Detection and Elimination (IDDE)
- 3. Construction Site Storm Water Runoff Control
- 4. Post-Construction Storm Water Management in New Development and Redevelopment
- 5. Pollution Prevention/Good Housekeeping for Municipal Operations

The following sections detail the current implementation status of each minimum control measure, activities conducted during the current reporting period, planned activities for the upcoming reporting period, requested changes to the provisions of the 2012 and 2017 SWMPP, and the party responsible for implementing each minimum control measure.

Information for the preparation of this report was provided by:

Mr. Jason Nicholson, P.E. City Engineer 612 4th Street, NW Attalla, Alabama 35954 (256) 538-9986 jason.attalla@gmail.com

4.1 **Public Education and Public Involvement on Storm Water Impacts**

4.1.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Attalla completed eight (8) of the nine (9) Public Education and Public Involvement strategies identified in the previous Annual Report and the 2017 SWMPP and failed to complete one (1) objective.

The City of Attalla did not participate or promote Renew Our Rivers (Activity 9).

A table identifying each Public Education and Public Involvement strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Attalla, and a description of activities planned for the next reporting period is provided in **Appendix D-2**. Supporting documentation is also included in **Appendix D-3**.



4.1.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Public Education and Public Involvement Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

4.1.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Public Involvement and Public Involvement Control Measure. The strategies are adequate to educate the community about the impacts of storm water runoff, identify steps the community can take to help reduce pollutants, and provide opportunities for public involvement.

4.1.4 Proposed Changes

The City of Attalla requests no changes to the Public Involvement and Public Involvement strategies identified in the 2017 SWMPP.

4.1.5 *Responsible Party*

The City of Attalla Mayor's office is responsible for overseeing, developing, and coordinating the Public Education and Public Involvement efforts.

4.2 Illicit Discharge Detection and Elimination

4.2.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Attalla completed sixteen (16) of the seventeen (17) Illicit Discharge Detection and Elimination strategies identified in the previous Annual Report and the 2017 SWMPP and failed to meet one (1) of the strategy.

A table identifying each Illicit Discharge Detection and Elimination strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Attalla, and a description of activities planned for the next reporting period is provided in **Appendix D-2**. Supporting documentation is also included in **Appendix D-3**.

4.2.2 Proposed Activities for the April 2, 2017 to March 31, 2017 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Illicit Discharge Detection and Elimination Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.



4.2.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Illicit Discharge Detection and Elimination Control Measure. The strategies are adequate to prevent or correct illicit discharges to the Gadsden-Etowah MS4.

4.2.4 Proposed Changes

The City of Attalla requests no changes to the Illicit Discharge Detection and Elimination strategies identified in the 2017 SWMPP.

4.2.5 *Responsible Party*

The City of Attalla Mayor's office is responsible for overseeing, developing, and coordinating the IDDE program in the City of Attalla regulated MS4 area.

4.3 Construction Site Storm Water Runoff

4.3.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Attalla completed six (6) of the six (6) Construction Site Storm Water Runoff strategies identified in the previous Annual Report and the 2017 SWMPP.

A table identifying each Construction Site Storm Water Runoff strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Attalla, and a description of activities planned for the next reporting period is provided in **Appendix D-2**. Supporting documentation is also included in **Appendix D-3**.

4.3.2 Proposed Activities for the April 1, 2016 to March 31, 2017 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Construction Site Storm Water Runoff Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

4.3.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Construction Site Storm Water Runoff Control Measure. The strategies are adequate to monitor and control pollutants associated with land disturbing activities.

4.3.4 Proposed Changes

The City of Attalla requests no changes to the Construction Site Storm Water Runoff strategies identified in the 2017 SWMP.



4.3.5 *Responsible Party*

The City of Attalla Mayor's office is responsible for implementing and tracking the construction site storm water provisions of the ordinance as well as other Construction Site Storm Water Runoff strategies.

4.4 Post-Construction Storm Water Management in New Development and Redevelopment

4.4.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Attalla completed seven (7) of the seven (7) Post-Construction Storm Water Management strategies identified in the previous Annual Report and the 2017 SWMPP.

A table identifying each Post-Construction Storm Water Management strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Attalla, and a description of activities planned for the next reporting period is provided in **Appendix D-2**. Supporting documentation is also included in **Appendix D-3**.

4.4.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Post-Construction Storm Water Management Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

4.4.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Post-Construction Storm Water Management Control Measure. The strategies are adequate to address post-construction storm water runoff from new development and re-development.

4.4.4 Proposed Changes

The City of Attalla requests no changes to the Post-construction Storm Water Management strategies identified in the 2017 SWMP.

4.4.5 *Responsible Party*

The City of Attalla Mayor's office is responsible for implementing the provisions of the ordinance pertaining to post construction storm water management as well as other Post - Construction Site Storm Water Runoff strategies.



4.5 **Pollution Prevention and Good Housekeeping for Municipal Operations**

4.5.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Attalla completed seven (7) of the seven (7) Pollution Prevention and Good Housekeeping for Municipal Operations strategies identified in the previous Annual Report and the 2017 SWMPP.

The City of Attalla also completed one (1) strategy beyond those proposed in the previous Annual Report and the 2017 SWMPP. These strategies included:

• The City of Attalla mains the oil recycling location underneath a shelter (Activity 8)

A table identifying each Pollution Prevention and Good Housekeeping for Municipal Operations strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Attalla, and a description of activities planned for the next reporting period is provided in **Appendix D-2**. Supporting documentation is also included in **Appendix D-3**.

4.5.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Pollution Prevention and Good Housekeeping for Municipal Operations Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

4.5.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Pollution Prevention and Good Housekeeping for Municipal Operations Control Measure. The strategies are adequate to address storm water pollution prevention from municipal operations.

4.5.4 *Proposed Changes*

The City of Attalla requests no changes to the Pollution Prevention and Good Housekeeping for Municipal Operations strategies identified in the 2017 SWMP.

4.5.5 *Responsible Party*

The City of Attalla Mayor's office is responsible for implementing and tracking Pollution Prevention and Good Housekeeping strategies within municipal operations.



4.6 **Overall Program Evaluation**

4.6.1 *Major Accomplishments*

The City of Attalla's SWMPP is considerably stronger and more effective following the prior reporting period. The City completed 45 out of 46 planned strategies and 1 additional strategies. This is a significant improvement over previous reporting periods.

In response to the September 2016 Permit, the City of Attalla contracted S&ME, Inc. to prepare a revised Storm Water Management Program Plan. The revised SWMPP included changes to strengthen, organize, and consolidate the Storm Water Management Program. The SWMPP was submitted to and approved by the ADEM in January 2017.

The City of Attalla hired a new Building Inspector in spring 2017 to help the City Engineer implement the SWMPP.

The City of Attalla conducted stream-walking activities on 2.31 miles of streams within the Urbanized Area. Five outfalls were identified during the reporting period and dry weather screening was conducted at each of the outfalls. No illicit discharges were observed and no samples were collected. The City has 5.8 miles remaining to walk within the MS4 Boundaries to complete the Storm Water System Map. The City has successfully walked 5.6 miles of stream inventory.

The City established SOPs and an associated checklist for the municipal facility that has the potential to discharge pollutants through storm water runoff.

4.6.2 *Overall Programs Strengths and Weaknesses*

The City has been diligent in enforcing the provisions of their Ordinances and the Alabama Construction General Permit at qualifying sites. There has been a significant adjustment of expectations within the City and the City has worked closely with engineers and developers to educate them on the requirements of the Construction General Permit.

Another strength of the program is the increased public education efforts. The City has increased their involvement in cleanup activities within the City, partnerships with Keep Etowah Beautiful, and public education when compared to the past reporting periods.

The main weakness of the program is the small number of municipal staff that are able to be dedicated exclusively to the performance of the duties required by the Phase II Permit. The City currently employs a City Engineer as the primary executive of the storm water program. The Building Inspector will assist with the storm water program responsibilities; the program duties are handled by two individuals. The City does not currently have the ability to expand the Department for the storm water program; therefore, this weakness is expected to remain for several years.

4.6.3 *Future Direction of the Program*

During the upcoming reporting period, the City plans to implement the 2017 SWMPP. The City is working to develop a better way to track and document the completion of the strategies. The City of Attalla is



committed to educating the citizens of the SWMP Program and how the actions of others can impact the storm water and the Coosa River.

4.6.4 Overall effectiveness of the SWMPP

The City of Attalla is proud of their efforts to achieve the objectives of the SWMPP. Based on this evaluation, the SWMPP appears to be effective in meeting the objectives and requirements of the Phase II Permit.



4.7 Agency Certification

This Annual Report is produced jointly by the eight jurisdictions comprising the Gadsden-Etowah Phase II Small Municipal Separate Storm System. Implementation of the minimum control measures applicable to each jurisdiction is the responsibility of the individual jurisdiction. Implementation of the storm water monitoring component of the Storm Water Management Program is a joint responsibility of all jurisdictions.

I certify under penalty of law that this document and all attachments pertaining to the City of Attalla were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations.

Larry Means, Mayor City of Attalla, Alabama

-30-17 Date



5.0 City of Gadsden (ALR0400053)

The City of Gadsden (City) encompasses approximately 41.7% of the Urbanized Area and accounts for 56.2% of the population. A map depicting the City of Gadsden's urbanized area and city limits is located in **Appendix E-1, Figure 1**.

In accordance with Part III.B of the NPDES General Permit, the 2017 SWMPP detailed the specific activities the City planned to undertake regarding the following five minimum control measures:

- 1. Public Education and Public Involvement on Storm Water Impacts
- 2. Illicit Discharge Detection and Elimination (IDDE)
- 3. Construction Site Storm Water Runoff Control
- 4. Post-Construction Storm Water Management in New Development and Redevelopment
- 5. Pollution Prevention/Good Housekeeping for Municipal Operations

The following sections detail the current implementation status of each minimum control measure, activities conducted during the current reporting period, planned activities for the upcoming reporting period, requested changes to the provisions of the 2012 and 2017 SWMPP, and the party responsible for implementing each minimum control measure.

Information for the preparation of this report was provided by:

Mr. Jeramy Ward, CPMSM, CPESC Engineering Superintendent 90 Broad Street Gadsden, AL 35901 256-549-4527 jward@cityofgadsden.com

5.1 Public Education and Public Involvement on Storm Water Impacts

5.1.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Gadsden completed fifteen (15) of the fifteen (15) Public Education and Public Involvement strategies identified in the previous Annual Report and the 2017 SWMPP and began working on one (1) strategy.

The City of Gadsden also completed twenty (20) strategies beyond those proposed in the previous Annual Report and the 2017 SWMPP. These strategies were:

- The City of Gadsden maintained EPA posters on storm water and the Construction Industry outside the Building Department window (Activity 9a)
- The City of Gadsden participated in Public Meetings related to non-point source and storm water issues (Activity 16)



- The City of Gadsden has maintained the Black Creek Trail along the creek (Activity 17)
- The City of Gadsden supported the Gadsden Beautification Board (Activity 18)
- The City of Gadsden has a Facebook page where events and council meetings are advertised on the page as well as photos from events promoted by the City (Activity 19)
- The City of Gadsden maintains the Coosa Riverfront Park along the Coosa River (Activity 20)
- The City of Gadsden promoted and participated in an Arbor Day Celebration (Activity 21)
- The City of Gadsden coordinated and participated in cleanups along Black Creek Gorge and Wildlife Sanctuary (Activity 22)
- The City of Gadsden coordinated and participated in cleanups at the River Walk at Coosa Landing (Activity 23)
- The City of Gadsden has participated and provided in-kind services at the Habitat Dragon Boat Festival (Activity 24)
- The City of Gadsden has placed 50 recycling trailers at 43 locations around the County to collect cardboard to be taken to the City's recycling center (Activity 25)
- The City of Gadsden posted the Riverkeeper Swim Guide Reports for June and September of 2016 (Activity 26)
- The City of Gadsden attended the Keep Etowah Beautiful Breakfast and received 3 awards for participation and cooperation in KEB events (Activity 27)
- The City of Gadsden attended two ALDOT MS4 meetings to share information and network (Activity 28)
- The City of Gadsden added storm water messages on the inlet tops and manhole lids on several city projects (Activity 29)
- The City of Gadsden worked with volunteers from Gadsden First United Methodist Church to pick up litter along the Black Creek Gorge and the Wildlife Park (Activity 30)
- The City of Gadsden celebrated Earth Day at Noccalula Falls Park by working with volunteers to pick up litter along the Black Creek Gorge and remove graffiti (Activity 31)
- The City of Gadsden partnered with Coosa Riverkeeper and UAB to provide advertising and dumpster/brush truck for the event (Activity 32)
- The City of Gadsden Engineering Department installed five pet waste stations (Activity 33)
- The City of Gadsden purchased a storm water inspection camera to help find storm water issues in the closed storm water system portions. (Activity 34)

A table identifying each Public Education and Public Involvement strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Gadsden, and a brief description of activities planned for the next reporting period is provided in **Appendix E-2**. Supporting documentation is also included in **Appendix E-3**.

5.1.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Public Education and Public Involvement Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.



5.1.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Public Involvement and Public Involvement Control Measure. The strategies are adequate to educate the community about the impacts of storm water runoff, identify steps the community can take to help reduce pollutants, and provide opportunities for public involvement.

5.1.4 Proposed Changes

The City of Gadsden stated in the 2017 SWMPP they would provide the amount of debris collected at the locations where "No dumping/No littering" signs are placed to quantify the effectiveness of the signs. The amount of debris collected in the problem areas could not be separated from the total amount collected along the right-of-ways. Therefore, the City would like to eliminate the Activity because the City is unable to quantify the effectiveness of the Activity.

The City of Gadsden requests no other changes to the Public Education and Public Involvement strategies identified in the 2017 SWMPP.

5.1.5 *Responsible Party*

The City of Gadsden Mayor's office and Engineering Department are responsible for overseeing, developing, and coordinating the Public Education and Public Involvement efforts.

5.2 Illicit Discharge Detection and Elimination

5.2.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Gadsden completed eighteen (18) of the eighteen (18) Illicit Discharge Detection and Elimination strategies identified in the previous Annual Report and the 2017 SWMPP.

The City of Gadsden also completed one (1) strategy beyond those proposed in the previous Annual Report and 2017 SWMPP:

• Mr. Jeramy Ward, Engineering Superintendent, attended Erosion and Sediment Control and Storm water Classes through SESWA, APWA and ASCE, Soil and Water Conservation Committee - Clear Water Alabama, and Auburn University (Activity 19)

A table identifying each Illicit Discharge Detection and Elimination strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Gadsden, and a description of activities planned for the next reporting period is provided in **Appendix E-2**. Supporting documentation is also included in **Appendix E-3**.

5.2.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Illicit Discharge Detection and Elimination Program during the 2017-2018 reporting period. The City will evaluate the success of the



program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy

5.2.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Illicit Discharge Detection and Elimination Control Measure. The strategies are adequate to prevent or correct illicit discharges to the Gadsden-Etowah MS4.

5.2.4 Proposed Changes

The City of Gadsden requests no changes to the Illicit Discharge Detection and Elimination strategies identified in the 2017 SWMPP.

5.2.5 *Responsible Party*

The City of Gadsden Mayor's office and Engineering Department are responsible for overseeing, developing, and coordinating the IDDE program in the City of Gadsden regulated MS4 area.

5.3 Construction Site Storm Water Runoff

5.3.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Gadsden completed six (6) of the six (6) Construction Site Storm Water Runoff strategies identified in the previous Annual Report and the 2017 SWMPP.

The City of Gadsden also completed three (3) strategies beyond those proposed in the previous Annual Report and the 2017 SWMPP:

- The City of Gadsden provided an all-inclusive pamphlet on storm water impacts from construction site runoff to individuals requesting building/development permits (Activity 7)
- The City of Gadsden maintained EPA posters on storm water and the Construction Industry outside the Building Department window (Activity 8)
- The City of Gadsden Engineering Employees discussed with the contractor's responsibility for Erosion and Sediment Control during construction project meetings (Activity 9)

A table identifying each Construction Site Storm Water Runoff strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Gadsden, and a description of activities planned for the next reporting period is provided in **Appendix E-2**. Supporting documentation is also included in **Appendix E-3**.

5.3.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Construction Site Storm Water Runoff Program during the 2017-2018 reporting period. The City will evaluate the success of the


program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

5.3.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Construction Site Storm Water Runoff Control Measure. The strategies are adequate to monitor and control pollutants associated with land disturbing activities.

5.3.4 Proposed Changes

The City of Gadsden requests no changes to the Construction Site Storm Water Runoff strategies identified in the 2017 SWMPP.

5.3.5 *Responsible Party*

The City of Gadsden Mayor's office and Engineering Department are responsible for implementing and tracking the construction site storm water provisions of the ordinance as well as other Construction Site Storm Water Runoff strategies.

5.4 Post-Construction Storm Water Management in New Development and Redevelopment

5.4.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Gadsden completed seven (7) of the seven (7) Post-Construction Storm Water Management strategies identified in the previous Annual Report and the 2017 SWMPP.

A table identifying each Post-Construction Storm Water Management strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Gadsden, and a description of activities planned for the next reporting period is provided in **Appendix E-2**. Supporting documentation is also included in **Appendix E-3**.

5.4.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Post-Construction Storm Water Management Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

5.4.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Post-Construction Storm Water Management Control Measure. The strategies are adequate to address post-construction storm water runoff from new development and re-development.



5.4.4 Proposed Changes

The City of Gadsden requests no changes to the Post-Construction Storm Water Management strategies identified in the 2017 SWMPP.

5.4.5 *Responsible Party*

The City of Gadsden Mayor's office and Engineering Department are responsible for implementing the provisions of the ordinance pertaining to post construction storm water management as well as other Post - Construction Site Storm Water Runoff strategies.

5.5 **Pollution Prevention and Good Housekeeping for Municipal Operations**

5.5.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Gadsden completed nine (9) of the nine (9) Pollution Prevention and Good Housekeeping for Municipal Operations strategies identified in the previous Annual Report and the 2017 SWMPP.

The City of Gadsden also completed eleven (11) strategies beyond those proposed in the previous Annual Report and the 2017 SWMPP. These strategies include:

- Petroleum spill kits are maintained on municipal trucks and equipment and replaced when needed (Activity 10)
- Mr. Jeramy Ward, Engineering Superintendent, is a Certified Professional in Erosion and Sediment Control (Activity 11)
- Mr. Jeramy Ward, Engineering Superintendent, is a Certified Professional in Municipal Storm Water Management. (CPMSM) (Activity 12)
- Inmates crews are used to pick up litter throughout the city (Activity 13)
- The City of Gadsden recycled copy paper and newspapers at City Hall (Activity 14)
- The City of Gadsden collects and disposes of tires (Activity 15)
- The City of Gadsden coordinated and participated in cleanups along Black Creek Gorge and Wildlife Sanctuary (Activity 16)
- The City of Gadsden coordinated and participated in cleanups at the River Walk at Coosa Landing (Activity 17)
- The City of Gadsden purchased a storm water inspection camera to help find storm water issues in the closed storm water system portions. (Activity 18)
- The City of Gadsden has placed 50 recycling trailers at 43 locations around the County to collect cardboard to be taken to the City's recycling center (Activity 19)
- Mr. Jeramy Ward, Engineering Superintendent, attended Erosion and Sediment Control and Storm water Classes through SESWA, APWA and ASCE, Soil and Water Conservation Committee - Clear Water Alabama, and Auburn University (Activity 20)

A table identifying each Pollution Prevention and Good Housekeeping for Municipal Operations strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Gadsden, and a



description of activities planned for the next reporting period is provided in **Appendix E-2**. Supporting documentation is also included in **Appendix E-3**.

5.5.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Pollution Prevention and Good Housekeeping for Municipal Operations Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

5.5.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Pollution Prevention and Good Housekeeping for Municipal Operations Control Measure. The strategies are adequate to address storm water pollution prevention from municipal operations.

5.5.4 Proposed Changes

The City of Gadsden requests no changes to the Pollution Prevention and Good Housekeeping for Municipal Operations strategies identified in the 2017 SWMPP.

5.5.5 *Responsible Party*

The City of Gadsden Mayor's office and Engineering Department are responsible for implementing and tracking Pollution Prevention and Good Housekeeping strategies within municipal operations.

5.6 **Overall Program Evaluation**

5.6.1 *Major Accomplishments*

The City of Gadsden's SWMPP is considerably stronger and more effective following the prior reporting period. The City completed 54 out of 55 planned strategies and 35 additional strategies. The number of additional strategies is an increase when compared to the previous reporting periods. This also demonstrates the City's commitment to implement the SWMPP and Phase II Permit by going beyond what the strategies they committed to in the 2017 SWMPP.

In response to the September 2016 Permit, the City of Gadsden contracted S&ME, Inc. to prepare a revised Storm Water Management Program Plan. The revised SWMPP included changes to strengthen, organize, and consolidate the Storm Water Management Program. The SWMPP was submitted to and approved by the ADEM in January 2017.

The City of has completed the Storm Water System Map. During stream-walking activities, 53.21 miles of streams within the Urbanized Area were walked and 940 outfalls were identified. The City inspected 236 outfalls during the reporting period and dry weather screening was conducted at each of the outfalls. No illicit discharges were observed and no samples were collected.

The City compiled an inventory of 32 post-construction controls within the City's urbanized area.



The City established SOPs and an associated checklist for eight municipal facilities that have the potential to discharge pollutants through storm water runoff.

The City has a strong partnership with Keep Etowah Beautiful. This reporting period the City was awarded the Municipality Award, the City of Gadsden Engineering Department was awarded the Community Award and the City of Gadsden Recycling Center received the Beautification Award.

5.6.2 *Overall Programs Strengths and Weaknesses*

The City has been diligent in enforcing the provisions of their Ordinances and the Alabama Construction General Permit at qualifying sites. There has been a significant adjustment of expectations within the City and the City has worked closely with engineers and developers to educate them on the requirements of the Construction General Permit.

Another strength is the completion of the Storm Water System Map with the identification of 940 outfalls and 53.21 miles of streams. Additionally, the City has created an Interactive GIS database system to store illicit discharge information. This GIS database provides a significant advantage in tracking in illicit discharge investigations.

The main weakness of the program is the small number of municipal staff that are able to be dedicated exclusively to the performance of the duties required by the Phase II Permit. The City currently employs an Engineering Superintendent as the primary executive of the storm water program. The Engineering Department assists with the storm water program responsibilities, including GIS mapping, performing required inspections and assisting with public education efforts; however, the majority of the program duties are handled by one individual. The City does not currently have the ability to expand the Engineering Department for the storm water program; therefore, this weakness is expected to remain for several years.

5.6.3 *Future Direction of the Program*

During the upcoming reporting period, the City plans to implement the 2017 SWMPP. The City is working to develop a better way to track and document the completion of the strategies. The City of Gadsden is committed to educating the citizens of the SWMP Program and how the actions of others can impact the storm water and the Coosa River.

5.6.4 *Overall effectiveness of the SWMPP*

The City of Gadsden is proud of their efforts to achieve the objectives of the SWMPP. Based on this evaluation, the SWMPP appears to be effective in meeting the objectives and requirements of the Phase II Permit.



5.7 Agency Certification

This Annual Report is produced jointly by the eight jurisdictions comprising the Gadsden-Etowah Phase II Small Municipal Separate Storm System. Implementation of the minimum control measures applicable to each jurisdiction is the responsibility of the individual jurisdiction. Implementation of the storm water monitoring component of the Storm Water Management Program is a joint responsibility of all jurisdictions.

I certify under penalty of law that this document and all attachments pertaining to the City of Gadsden were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations.

Anyton rman

Sherman Guyton, Mayor City of Gadsden, Alabama

5/30/17



6.0 City of Glencoe (ALR0400054)

The City of Glencoe (City) encompasses approximately 5% of the Urbanized Area and accounts for 4.4% of the population. A map depicting the City of Glencoe's urbanized area and city limits is located in **Appendix F-1, Figure 1**.

In accordance with Part III.B of the NPDES General Permit, the 2017 SWMPP detailed the specific activities the City planned to undertake regarding the following five minimum control measures:

- 1. Public Education and Public Involvement on Storm Water Impacts
- 2. Illicit Discharge Detection and Elimination (IDDE)
- 3. Construction Site Storm Water Runoff Control
- 4. Post-Construction Storm Water Management in New Development and Redevelopment
- 5. Pollution Prevention/Good Housekeeping for Municipal Operations

The following sections detail the current implementation status of each minimum control measure, activities conducted during the current reporting period, planned activities for the upcoming reporting period, requested changes to the provisions of the 2012 and 2017 SWMPP, and the party responsible for implementing each minimum control measure.

Information for the preparation of this report was provided by:

Mr. Brian Bramblett Code Official 201 Chastain Blvd W Glencoe, AL 35905 (256)492-1424 brianbramblett@cityofglencoe.net

6.1 **Public Education and Public Involvement on Storm Water Impacts**

6.1.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Glencoe completed nine (9) of the eleven (11) Public Education and Public Involvement strategies identified in the previous Annual Report and the 2017 SWMPP and began working on one (1) strategy. The City failed to meet two (2) strategies.

The City of Glencoe added the 2015-2016 Annual Report to the webpage, but did not add the 2017 SWMPP (Activity 3).

The City of Glencoe did not attend a Storm Water Steering Committee Meeting (Activity 6).



The City of Glencoe did not promote or participate in the Renew Our Rivers (Activity 6); however the City did participate in the Great American Cleanup.

A table identifying each Public Education and Public Involvement strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Glencoe, and a description of activities planned for the next reporting period is provided in **Appendix F-2**. Supporting documentation is also included in **Appendix F-3**.

6.1.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Public Education and Public Involvement Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

6.1.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Public Involvement and Public Involvement Control Measure. The strategies are adequate to educate the community about the impacts of storm water runoff, identify steps the community can take to help reduce pollutants, and provide opportunities for public involvement.

6.1.4 *Proposed Changes*

The City of Glencoe requests no changes to the Public Education and Public Involvement strategies identified in the 2017 SWMPP.

6.1.5 *Responsible Party*

The City of Glencoe Mayor's office and Code Enforcement Department are responsible for overseeing, developing, and coordinating the Public Education and Public Involvement efforts.

6.2 Illicit Discharge Detection and Elimination

6.2.1 *Implementation Status*

During the April 1, 2015 to March 31, 2016 reporting period, the City of Glencoe completed seventeen (17) of the seventeen (17) Illicit Discharge Detection and Elimination strategies identified in the previous Annual Report and the 2017 SWMPP.

A table identifying each Illicit Discharge Detection and Elimination strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Glencoe, and a description of activities planned for the next reporting period is provided in **Appendix F-2**. Supporting documentation is also included in **Appendix F-3**.



6.2.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Illicit Discharge Detection and Elimination Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

The City contracted S&ME, Inc. to assist in the implementation of this control measure. However, the City will be responsible for the completion of these activities, whether through City resources or an outside contractor, and for reporting the required evaluation criteria to the ADEM.

6.2.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Illicit Discharge Detection and Elimination Control Measure. The strategies are adequate to prevent or correct illicit discharges to the Gadsden-Etowah MS4.

6.2.4 *Proposed Changes*

The City of Glencoe stated in the 2017 SWMPP that they planned to complete an average of four to five miles of stream inventory each reporting period. The City would like to revise that to say, "The City will walk an average of 1-2 miles per reporting period." The City requests no other changes to the Illicit Discharge Detection and Elimination strategies identified in the 2017 SWMPP.

6.2.5 *Responsible Party*

The City of Glencoe Mayor's office and Code Enforcement Department are responsible for overseeing, developing, and coordinating the IDDE program in the City of Glencoe regulated MS4 area.

6.3 Construction Site Storm Water Runoff

6.3.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Glencoe completed five (5) of the six (6) Construction Site Storm Water Runoff strategies identified in the previous Annual Report and the 2017 SWMP and began working on one (1).

The City of Glencoe hired a new storm water coordinator in December 2016. He took a "Certified Storm water Inspector" course as the first training action. He did not take the QCI CBMP Training (Activity 4).

A table identifying each Construction Site Storm Water Runoff strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Glencoe, and a description of activities planned for the next reporting period is provided in **Appendix F-2**. Supporting documentation is also included in **Appendix F-3**.



6.3.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Construction Site Storm Water Runoff Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

6.3.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Construction Site Storm Water Runoff Control Measure. The strategies are adequate to monitor and control pollutants associated with land disturbing activities.

6.3.4 *Proposed Changes*

The City of Glencoe requests no changes to the Construction Site Storm Water Runoff strategies identified in the 2017 SWMPP.

6.3.5 *Responsible Party*

The City of Glencoe Mayor's office and Code Enforcement Department are responsible for implementing and tracking the construction site storm water provisions of the ordinance as well as other Construction Site Storm Water Runoff strategies.

6.4 Post-Construction Storm Water Management in New Development and Redevelopment

6.4.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Glencoe completed seven (7) of the seven (7) Post-Construction Storm Water Management strategies identified in the previous Annual Report and the 2017 SWMPP.

The City of Glencoe also completed one (1) strategy beyond those proposed in the previous Annual Report and the 2017 SWMPP. This strategy was:

• The City of Glencoe maintained valley gutters throughout the City (Activity 9)

A table identifying each Post-Construction Storm Water Management strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Glencoe, and a description of activities planned for the next reporting period is provided in **Appendix F-2**. Supporting documentation is also included in **Appendix F-3**.

6.4.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Post-Construction Storm Water Management Program during the 2017-2018 reporting period. The City will evaluate the success of



the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

6.4.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Post-Construction Storm Water Management Control Measure. The strategies are adequate to address post-construction storm water runoff from new development and re-development.

6.4.4 Proposed Changes

The City of Glencoe requests no changes to the Post-Construction Storm Water Runoff strategies identified in the 2017 SWMPP.

6.4.5 *Responsible Party*

The City of Glencoe Mayor's office and Code Enforcement Department are responsible for implementing the provisions of the ordinance pertaining to post construction storm water management as well as other Post - Construction Site Storm Water Runoff strategies.

6.5 **Pollution Prevention and Good Housekeeping for Municipal Operations**

6.5.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Glencoe completed six (6) of the six (6) Pollution Prevention and Good Housekeeping for Municipal Operations strategies identified in the previous Annual Report and the 2017 SWMPP.

The City of Glencoe also completed two (2) strategies beyond those proposed in the previous Annual Report and the 2017 SWMPP. These strategies included:

- The City of Glencoe recycled used oil from city vehicles (Activity 7)
- The new Storm Water Coordinator took a "Certified Storm water Inspector" course as the first training action. (Activity 8)

A table identifying each Pollution Prevention and Good Housekeeping for Municipal Operations strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Glencoe, and a description of activities planned for the next reporting period is provided in **Appendix F-2**. Supporting documentation is also included in **Appendix F-3**.

6.5.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Pollution Prevention and Good Housekeeping for Municipal Operations Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.



6.5.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Pollution Prevention and Good Housekeeping for Municipal Operations Control Measure. The strategies are adequate to address storm water pollution prevention from municipal operations.

6.5.4 Proposed Changes

The City of Glencoe requests no changes to the Pollution Prevention and Good Housekeeping for Municipal Operations strategies identified in the 2017 SWMPP.

6.5.5 *Responsible Party*

The City of Glencoe Mayor's office and Code Enforcement Department are responsible for implementing and tracking Pollution Prevention and Good Housekeeping strategies within municipal operations.

6.6 **Overall Program Evaluation**

6.6.1 *Major Accomplishments*

The City of Glencoe's SWMPP is considerably stronger and more effective following the prior reporting period. The City completed 41 out of 44 planned strategies and 4 additional strategies. This is a significant improvement over previous reporting periods.

In response to the September 2016 Permit, the City of Glencoe contracted S&ME, Inc. to prepare a revised Storm Water Management Program Plan. The revised SWMPP included changes to strengthen, organize, and consolidate the Storm Water Management Program. The SWMPP was submitted to and approved by the ADEM in January 2017.

The City of Glencoe hired a new Storm Water Coordinator in December 2016.

The City of Glencoe contracted S&ME, Inc. to conduct stream-walking activities on 1.88 miles of streams within the Urbanized Area. Thirty-four outfalls were identified during the reporting period and dry weather screening was conducted at each of the outfalls. No illicit discharges were observed and no samples were collected. The City has 1.82 miles remaining to walk within the MS4 Boundaries to complete the Storm Water System Map.

The City established SOPs and an associated checklist for three municipal facilities that have the potential to discharge pollutants through storm water runoff.

6.6.2 Overall Programs Strengths and Weaknesses

The City has been diligent in enforcing the provisions of their Ordinances and the Alabama Construction General Permit at qualifying sites. There has been a significant adjustment of expectations within the City and the City has worked closely with engineers and developers to educate them on the requirements of the Construction General Permit.



Another strength of the program is the increased public education efforts. The City has increased their involvement in cleanup activities within the City, partnerships with Keep Etowah Beautiful, and public education when compared to the past reporting periods.

The main weakness of the program is the small number of municipal staff that are able to be dedicated exclusively to the performance of the duties required by the Phase II Permit. The City currently employs Code Enforcer/Storm Water Coordinator as the primary executive of the storm water program. The City does not have an Engineering Department to assists with the storm water program responsibilities; the program duties are handled by one individual. The City does not currently have the ability to expand the Building Department for the storm water program; therefore, this weakness is expected to remain for several years.

The Storm Water Coordinator position was vacant for several months during this reporting period while the City looked for a replacement. The position was filled in December 2016. The City didn't have anyone familiar enough with the MS4 Permit or Program to ensure that the SWMPP objectives and strategies were being accomplished while the position was vacant. For this reason some of the SWMPP strategies were not accomplished or documentation cannot be produced to support the completion of the strategy. Additionally, this position has changed hands several times over the last few years and this has weaken the overall program due to the lack of consistency in leadership of the MS4 program.

6.6.3 Future Direction of the Program

During the upcoming reporting period, the City plans to implement the 2017 SWMPP. The City is working to develop a better way to track and document the completion of the strategies. The City of Glencoe is committed to educating the citizens of the SWMP Program and how the actions of others can impact the storm water and the Coosa River.

6.6.4 *Overall effectiveness of the SWMPP*

The City of Glencoe is proud of their efforts to achieve the objectives of the SWMPP. Based on this evaluation, the SWMPP appears to be effective in meeting the objectives and requirements of the Phase II Permit.



6.7 **Agency Certification**

This Annual Report is produced jointly by the eight jurisdictions comprising the Gadsden-Etowah Phase II Small Municipal Separate Storm System. Implementation of the minimum control measures applicable to each jurisdiction is the responsibility of the individual jurisdiction. Implementation of the storm water monitoring component of the Storm Water Management Program is a joint responsibility of all jurisdictions.

I certify under penalty of law that this document and all attachments pertaining to the City of Glencoe were prepared under my direction or supervision in accordance with a system designed to assure that gualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations.

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Charles Gilchrist, Mayor

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7.0 City of Hokes Bluff (ALR0400055)

The City of Hokes Bluff (City) encompasses approximately 5.5% of the Urbanized Area and accounts for 4.4% of the population. A map depicting the City of Hokes Bluff's urbanized area and city limits is located in **Appendix G-1, Figure 1**.

In accordance with Part III.B of the NPDES General Permit, the 2017 SWMPP detailed the specific activities the City planned to undertake regarding the following five minimum control measures:

- 1. Public Education and Public Involvement on Storm Water Impacts
- 2. Illicit Discharge Detection and Elimination (IDDE)
- 3. Construction Site Storm Water Runoff Control
- 4. Post-Construction Storm Water Management in New Development and Redevelopment
- 5. Pollution Prevention/Good Housekeeping for Municipal Operations

The following sections detail the current implementation status of each minimum control measure, activities conducted during the current reporting period, planned activities for the upcoming reporting period, requested changes to the provisions of the 2012 and 2017 SWMPP, and the party responsible for implementing each minimum control measure.

Information for the preparation of this report was provided by:

Ms. Lisa Johnson City Clerk 3301 Alford Bend Road Hokes Bluff, AL 35903 (256) 492-2414 lisa.johnson@cityofhokesbluff.com

7.1 Public Education and Public Involvement on Storm Water Impacts

7.1.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Hokes Bluff completed eleven (11) of the thirteen (13) Public Education and Public Involvement strategies identified in the previous Annual Report and the 2017 SWMPP and began working on one (1) strategy. The City failed to meet one (1) strategy.

The City of Hokes Bluff added the 2015-2016 Annual Report to the webpage, but did not add the 2017 SWMPP (Activity 3).

The City of Hokes Bluff did not coordinate a cleanup at Hokes Bluff City Block, Mill Pond, and/or Hokes Bluff Ferry Park annually.



The City of Hokes Bluff also completed twelve (12) strategies beyond those proposed in the previous Annual Report. These strategies included:

- The City of Hokes Bluff purchased an advertisement within the Hokes Bluff High School Football Program (Activity 14)
- The City of Hokes Bluff provided a storm water challenge word search to the 4 graders (Activity 15)
- The City of Hokes Bluff purchased t-shirts and gave them to participants at Hokes Bluff City Fest (Activity 16)
- The City of Hokes Bluff maintained 1 "Pet Waste Station" (Activity 17)
- The City of Hokes Bluff celebrated Earth Day reminding citizens to recognize the day by learning to conserve, recycle and avoid pollution (Activity 18)
- The City of Hokes Bluff purchased an advertisement at the Softball and Football fields that included a storm water education slogan (Activity 19)
- The City of Hokes Bluff partnered with Keep Etowah Beautiful and the Etowah County Sheriff's Department to Clean up Highway 278 (Activity 20)
- The City of Hokes Bluff maintains the Ferry Landing and utilizes part time labor during the months of May through October to clean up the area (Activity 21)
- The City of Hokes Bluff maintains the Mill Pond Park and utilizes part time labor during the months of May through October to clean up the area (Activity 22)
- The City of Hokes Bluff offers city dumpsters for additional waste at any time (Activity 23)
- The City of Hokes Bluff attended the ALDOT MS4 meeting to share information and network (Activity 24)
- The City of Hokes Bluff advertises a trailer for cardboard at the City Hall placed by the City of Gadsden (Activity 25)

A table identifying each Public Education and Public Involvement strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Hokes Bluff, and a brief description of activities planned for the next reporting period is provided in **Appendix G-2**. Supporting documentation is also included in **Appendix G-3**.

7.1.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Public Education and Public Involvement Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

7.1.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Public Involvement and Public Involvement Control Measure. The strategies are adequate to educate the community about the impacts of storm water runoff, identify steps the community can take to help reduce pollutants, and provide opportunities for public involvement.



7.1.4 *Proposed Changes*

The City of Hokes Bluff requests no changes to the Public Education and Public Involvement strategies identified in the 2017 SWMPP.

7.1.5 *Responsible Party*

The City of Hokes Bluff Mayor's office are responsible for overseeing, developing, and coordinating the Public Education and Public Involvement efforts.

7.2 Illicit Discharge Detection and Elimination

7.2.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Hokes Bluff completed seventeen (17) of the seventeen (17) Illicit Discharge Detection and Elimination strategies identified in the previous Annual Report and the 2017 SWMPP.

A table identifying each Illicit Discharge Detection and Elimination strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Hokes Bluff, and a description of activities planned for the next reporting period is provided in **Appendix G-2**. Supporting documentation is also included in **Appendix G-3**.

7.2.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Illicit Discharge Detection and Elimination Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

The City contracted S&ME, Inc. to assist in the implementation of this control measure. However, the City will be responsible for the completion of these activities, whether through City resources or an outside contractor, and for reporting the required evaluation criteria to the ADEM.

7.2.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Illicit Discharge Detection and Elimination Control Measure. The strategies are adequate to prevent or correct illicit discharges to the Gadsden-Etowah MS4.

7.2.4 Proposed Changes

The City of Hokes Bluff requests no changes to the Illicit Discharge Detection and Elimination strategies identified in the 2017 SWMPP.



7.2.5 *Responsible Party*

The City of Hokes Bluff Mayor's office are responsible for overseeing, developing, and coordinating the IDDE program in the City of Hokes Bluff regulated MS4 area.

7.3 Construction Site Storm Water Runoff

7.3.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Hokes Bluff completed six (6) of the six (6) Construction Site Storm Water Runoff strategies identified in the previous Annual Report and the 2017 SWMPP.

A table identifying each Construction Site Storm Water Runoff strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Hokes Bluff, and a description of activities planned for the next reporting period is provided in **Appendix G-2**. Supporting documentation is also included in **Appendix G-3**.

7.3.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Construction Site Storm Water Runoff Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

7.3.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Construction Site Storm Water Runoff Control Measure. The strategies are adequate to monitor and control pollutants associated with land disturbing activities.

7.3.4 Proposed Changes

The City of Hokes Bluff requests no changes to the Construction Site Storm Water Runoff strategies identified in the 2017 SWMPP.

7.3.5 *Responsible Party*

The City of Hokes Bluff Mayor's office are responsible for implementing and tracking the construction site storm water provisions of the ordinance as well as other Construction Site Storm Water Runoff strategies.



7.4 Post-Construction Storm Water Management in New Development and Redevelopment

7.4.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Hokes Bluff completed seven (7) of the seven (7) Post-Construction Storm Water Management strategies identified in the previous Annual Report and the 2017 SWMPP.

A table identifying each Post-Construction Storm Water Management strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Hokes Bluff, and a description of activities planned for the next reporting period is provided in **Appendix G-2**. Supporting documentation is also included in **Appendix G-3**.

7.4.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Post-Construction Storm Water Management Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

7.4.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Post-Construction Storm Water Management Control Measure. The strategies are adequate to address post-construction storm water runoff from new development and re-development.

7.4.4 Proposed Changes

The City of Hokes Bluff requests no changes to the Post-Construction Storm Water Management strategies identified in the 2017 SWMPP.

7.4.5 *Responsible Party*

The City of Hokes Bluff Mayor's office are responsible for implementing the provisions of the ordinance pertaining to post construction storm water management as well as other Post - Construction Site Storm Water Runoff strategies.

7.5 **Pollution Prevention and Good Housekeeping for Municipal Operations**

7.5.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Hokes Bluff completed eight (8) of the eight (8) Pollution Prevention and Good Housekeeping for Municipal Operations strategies identified in the previous Annual Report and the 2017 SWMPP.



The City of Hokes Bluff completed five (5) strategies beyond those proposed in the previous Annual Report and the 2017 SWMPP. These strategies include:

- The City of Hokes Bluff maintains the Mill Pond Park and utilizes part time labor during the months of May through October to clean up the area (Activity 9)
- The City of Hokes Bluff maintains the Ferry Landing and utilizes part time labor during the months of May through October to clean up the area (Activity 10)
- The City of Hokes Bluff partnered with Keep Etowah Beautiful and the Etowah County Sheriff's Department to Clean up Highway 278 (Activity 11)
- The City of Hokes Bluff maintained 12 "No Littering" Signs within the City (Activity 12)
- The City of Hokes Bluff advertises a trailer for cardboard at the City Hall placed by the City of Gadsden (Activity 13)

A table identifying each Pollution Prevention and Good Housekeeping for Municipal Operations strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Hokes Bluff, and a description of activities planned for the next reporting period is provided in **Appendix G-2**. Supporting documentation is also included in **Appendix G-3**.

7.5.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Pollution Prevention and Good Housekeeping for Municipal Operations Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

7.5.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Pollution Prevention and Good Housekeeping for Municipal Operations Control Measure. The strategies are adequate to address storm water pollution prevention from municipal operations.

7.5.4 Proposed Changes

The City of Hokes Bluff requests no changes to the Pollution Prevention and Good Housekeeping for Municipal Operations strategies identified in the 2017 SWMPP.

7.5.5 *Responsible Party*

The City of Hokes Bluff Mayor's office are responsible for implementing and tracking Pollution Prevention and Good Housekeeping strategies within municipal operations.

7.6 **Overall Program Evaluation**

7.6.1 *Major Accomplishments*

The City of Hokes Bluff's SWMPP is considerably stronger and more effective following the prior reporting period. The City completed 49 out of 51 planned strategies and 17 additional strategies. The number of



additional strategies is a significant increase when compared to previous reporting periods. This also demonstrates the City's commitment to implement the SWMPP and Phase II Permit by going beyond what the strategies they committed to in the 2017 SWMPP.

In response to the September 2016 Permit, the City of Hokes Bluff contracted S&ME, Inc. to prepare a revised Storm Water Management Program Plan. The revised SWMPP included changes to strengthen, organize, and consolidate the Storm Water Management Program. The SWMPP was submitted to and approved by the ADEM in January 2017.

The City of Hokes Bluff contracted S&ME, Inc. to conduct stream-walking activities on 2.11 miles of streams within the Urbanized Area. Twenty outfalls were identified during the reporting period and dry weather screening was conducted at each of the outfalls. No illicit discharges were observed and no samples were collected. The City has 1.41 miles remaining to walk within the MS4 Boundaries to complete the Storm Water System Map.

The City established SOPs and an associated checklist for nine municipal facilities that have the potential to discharge pollutants through storm water runoff.

7.6.2 Overall Programs Strengths and Weaknesses

The City has been diligent in enforcing the provisions of their Ordinances and the Alabama Construction General Permit at qualifying sites. There has been a significant adjustment of expectations within the City and the City has worked closely with engineers and developers to educate them on the requirements of the Construction General Permit.

Another strength of the program is the increased public education efforts. The City has increased their community education and involvement in unique ways like a football program, signs at baseball/softball fields, t-shirt give-a-ways, and free dumpster days.

The main weakness of the program is the small number of municipal staff that are able to be dedicated exclusively to the performance of the duties required by the Phase II Permit. The City currently employs the City Clerk as the primary executive of the storm water program. The City does not have an Engineering Department to assist with the storm water program responsibilities; the program duties are handled by one individual. The City does not currently have the ability to expand the Building Department for the storm water program; therefore, this weakness is expected to remain for several years.

7.6.3 Future Direction of the Program

During the upcoming reporting period, the City plans to implement the 2017 SWMPP. The City is working to develop a better way to track and document the completion of the strategies. The City of Hokes Bluff is committed to educating the citizens of the SWMP Program and how the actions of others can impact the storm water and the Coosa River.

7.6.4 Overall effectiveness of the SWMPP

The City of Hokes Bluff is proud of their efforts to achieve the objectives of the SWMPP. Based on this evaluation, the SWMPP appears to be effective in meeting the objectives and requirements of the Phase II Permit.



7.7 Agency Certification

This Annual Report is produced jointly by the eight jurisdictions comprising the Gadsden-Etowah Phase II Small Municipal Separate Storm System. Implementation of the minimum control measures applicable to each jurisdiction is the responsibility of the individual jurisdiction. Implementation of the storm water monitoring component of the Storm Water Management Program is a joint responsibility of all jurisdictions.

I certify under penalty of law that this document and all attachments pertaining to the City of Hokes Bluff were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations.

Scott Reeves, Mayor City of Hokes Bluff, Alabama

-30-17 Date



8.0 Rainbow City (ALR0400056)

The City of Rainbow City (City) encompasses approximately 10.2% of the Urbanized Area and accounts for 11.3% of the population. A map depicting Rainbow City's urbanized area and city limits is located in **Appendix H-1, Figure 1**.

In accordance with Part III.B of the NPDES General Permit, the 2017 SWMPP detailed the specific activities the City planned to undertake regarding the following five minimum control measures:

- 1. Public Education and Public Involvement on Storm Water Impacts
- 2. Illicit Discharge Detection and Elimination (IDDE)
- 3. Construction Site Storm Water Runoff Control
- 4. Post-Construction Storm Water Management in New Development and Redevelopment
- 5. Pollution Prevention/Good Housekeeping for Municipal Operations

The following sections detail the current implementation status of each minimum control measure, activities conducted during the current reporting period, planned activities for the upcoming reporting period, requested changes to the provisions of the 2012 and 2017 SWMPP, and the party responsible for implementing each minimum control measure.

Information for the preparation of this report was provided by:

Mr. Kevin Ashley, P.E., C.F.M. City Engineer / Street Superintendent 3700 Rainbow Drive Rainbow City, AL 35906 256-413-1240 kashley@rbcalabama.com

Mr. Wiley McLain Building Official 3700 Rainbow Drive Rainbow City, AL 35906 (256) 413-1230 wiley@rbcalabama.com

8.1 Public Education and Public Involvement on Storm Water Impacts

8.1.1 Implementation Status

During the April 1, 2016 to March 31, 2017 reporting period, Rainbow City completed nine (9) of the ten (10) Public Education and Public Involvement strategies identified in the previous Annual Report and the 2017 SWMPP and began working on one (1) strategy.



The Rainbow City added the 2015-2016 Annual Report to the webpage, but did not add the 2017 SWMPP (Activity 3).

A table identifying each Public Education and Public Involvement strategy planned for the 2015-2016 reporting period, a description of actions taken by Rainbow City, and a description of activities planned for the next reporting period is provided in **Appendix H-2**. Supporting documentation is also included in **Appendix H-3**.

8.1.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Public Education and Public Involvement Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

8.1.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Public Involvement and Public Involvement Control Measure. The strategies are adequate to educate the community about the impacts of storm water runoff, identify steps the community can take to help reduce pollutants, and provide opportunities for public involvement.

8.1.4 Proposed Changes

Rainbow City requests no changes to the Public Education and Public Involvement strategies identified in the 2017 SWMPP.

8.1.5 *Responsible Party*

The Rainbow City Mayor's office and Engineering Department are responsible for overseeing, developing, and coordinating the Public Education and Public Involvement efforts.

8.2 Illicit Discharge Detection and Elimination

8.2.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, Rainbow City completed eleven (11) of the seventeen (17) Illicit Discharge Detection and Elimination strategies identified in the previous Annual Report and the 2017 SWMPP and began working on one (1) strategy.

The City hired Brent Means Land Surveying to perform outfall identification and stream walking. Said Company lost the collected data and has not recollected it (Activity 2).

The City Engineer (Kevin Ashley) was deployed under the Army Reserves in February 2017. Five (5) of the strategies are considered incomplete as the interim replacement was unable to find the necessary information to show the activities have been completed. These strategies are:



- Conduct dry weather monitoring of 20% of major outfalls in Priority Areas and conduct dry weather monitoring of 15% of all known outfalls (Activity 4 and 4a)
- Field crews will collect samples of suspected illicit discharges for laboratory analysis (Activity 5)
- Designate the inspected outfalls as having obvious, suspect, possible, or unlikely discharge potential based on data from each ORI Field Sheet (Activity 6)
- Illicit discharge investigations will be performed to determine the source of a discharge problem (Activity 7)
- Create a case log detailing pertinent information for each identified suspect illicit discharge or illicit connection (Activity 8)

A table identifying each Illicit Discharge Detection and Elimination strategy planned for the 2016-2017 reporting period, a description of actions taken by Rainbow City, and a description of activities planned for the next reporting period is provided in **Appendix H-2**. Supporting documentation is also included in **Appendix H-3**.

8.2.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Illicit Discharge Detection and Elimination Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

8.2.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Illicit Discharge Detection and Elimination Control Measure. The strategies are adequate to prevent or correct illicit discharges to the Gadsden-Etowah MS4.

8.2.4 Proposed Changes

Rainbow City requests no changes to the Illicit Discharge Detection and Elimination strategies identified in the 2017 SWMPP. The strategies are adequate to prevent or correct illicit discharges to the Gadsden-Etowah MS4.

8.2.5 *Responsible Party*

The Rainbow City Mayor's office and Engineering Department are responsible for overseeing, developing, and coordinating the IDDE program in the Rainbow City regulated MS4 area.

8.3 Construction Site Storm Water Runoff

8.3.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, Rainbow City completed six (6) of the six (6) Construction Site Storm Water Runoff strategies identified in the previous Annual Report and the 2017 SWMPP.



A table identifying each Construction Site Storm Water Runoff strategy planned for the 2016-2017 reporting period, a description of actions taken by Rainbow City, and a description of activities planned for the next reporting period is provided in **Appendix H-2**. Supporting documentation is also included in **Appendix H-3**.

8.3.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Construction Site Storm Water Runoff Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

8.3.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Construction Site Storm Water Runoff Control Measure. The strategies are adequate to monitor and control pollutants associated with land disturbing activities.

8.3.4 Proposed Changes

Rainbow City requests no changes to the Construction Site Storm Water Runoff strategies identified in the 2017 SWMPP.

8.3.5 *Responsible Party*

The Rainbow City Mayor's office and Engineering Department are responsible for implementing and tracking the construction site storm water provisions of the ordinance as well as other Construction Site Storm Water Runoff strategies.

8.4 Post-Construction Storm Water Management in New Development and Redevelopment

8.4.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Southside completed seven (7) of the seven (7) Post-Construction Storm Water Management strategies identified in the previous Annual Report and the 2017 SWMPP.

A table identifying each Post-Construction Storm Water Management strategy planned for the 2016-2017 reporting period, a description of actions taken by Rainbow City, and a description of activities planned for the next reporting period is provided in **Appendix H-2**. Supporting documentation is also included in **Appendix H-3**.

8.4.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Post-Construction Storm Water Management Program during the 2017-2018 reporting period. The City will evaluate the success of



the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

8.4.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Post-Construction Storm Water Management Control Measure. The strategies are adequate to address post-construction storm water runoff from new development and re-development.

8.4.4 Proposed Changes

Rainbow City requests no changes to the Post-Construction Storm Water Runoff strategies identified in the 2017 SWMPP.

8.4.5 *Responsible Party*

The Rainbow City Mayor's office and Engineering Department are responsible for implementing the provisions of the ordinance pertaining to post construction storm water management as well as other Post - Construction Site Storm Water Runoff strategies.

8.5 **Pollution Prevention and Good Housekeeping for Municipal Operations**

8.5.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, Rainbow City completed six (6) of the six (6) Pollution Prevention and Good Housekeeping for Municipal Operations strategies identified in the previous Annual Report and the 2017 SWMPP.

A table identifying each Pollution Prevention and Good Housekeeping for Municipal Operations strategy planned for the 2016-2017 reporting period, a description of actions taken by Rainbow City, and a description of activities planned for the next reporting period is provided in **Appendix H-2**. Supporting documentation is also included in **Appendix H-3**.

8.5.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Pollution Prevention and Good Housekeeping for Municipal Operations Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

8.5.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Pollution Prevention and Good Housekeeping for Municipal Operations Control Measure. The strategies are adequate to address storm water pollution prevention from municipal operations.



8.5.4 Proposed Changes

Rainbow City requests no changes to the Pollution Prevention and Good Housekeeping for Municipal Operations strategies identified in the 2012 SWMP or the Annual Report for the 2014-2015 reporting period.

8.5.5 *Responsible Party*

The Rainbow City Mayor's office and Engineering Department are responsible for implementing and tracking Pollution Prevention and Good Housekeeping strategies within municipal operations.

8.6 **Overall Program Evaluation**

8.6.1 *Major Accomplishments*

In response to the September 2016 Permit, Rainbow City contracted S&ME, Inc. to prepare a revised Storm Water Management Program Plan. The revised SWMPP included changes to strengthen, organize, and consolidate the Storm Water Management Program. The SWMPP was submitted to and approved by the ADEM in January 2017.

The City established SOPs and an associated checklist for the municipal facilities that have the potential to discharge pollutants through storm water runoff.

The City compiled an inventory of 13 post-construction controls within the City's urbanized area.

8.6.2 *Overall Programs Strengths and Weaknesses*

The City has been diligent in enforcing the provisions of their Ordinances and the Alabama Construction General Permit at qualifying sites. There has been a significant adjustment of expectations within the City and the City has worked closely with engineers and developers to educate them on the requirements of the Construction General Permit.

Another strength of the program is the increased public education efforts. The City has increased their involvement in cleanup activities within the City, partnerships with Keep Etowah Beautiful, and public education when compared to the past reporting periods.

The main weakness of the program is the small number of municipal staff that are able to be dedicated exclusively to the performance of the duties required by the Phase II Permit. The City currently employs a City Engineer as the primary executive of the storm water program. The City does not have a Department to assists with the storm water program responsibilities; the program duties are handled by one individual. The City does not currently have the ability to expand the Engineering Department for the storm water program; therefore, this weakness is expected to remain for several years.

The City hired Brent Means Land Surveying to perform outfall identification and stream walking. Said Company lost the collected data and has not recollected it. This is a significant setback for the City and the implementation of the IDDE control measure.



The City Engineer was deployed under the Army Reserves in February 2017. The interim replacement was unable to find the necessary information. The City's interim replacement isn't familiar with the MS4 Permit or Program and therefore had difficulty compiling necessary supporting documentation to support the completion of some strategies. Additionally, he wasn't involved in the everyday process of the strategies and couldn't state whether some strategies had been accomplished.

8.6.3 *Future Direction of the Program*

During the upcoming reporting period, the City plans to implement the 2017 SWMPP. The City is working to develop a better way to track and document the completion of the strategies. Rainbow City is committed to educating the citizens of the SWMP Program and how the actions of others can impact the storm water and the Coosa River.

8.6.4 *Overall effectiveness of the SWMPP*

Rainbow City is proud of their efforts to achieve the objectives of the SWMPP. Based on this evaluation, the SWMPP appears to be effective in meeting the objectives and requirements of the Phase II Permit.



8.7 Agency Certification

This Annual Report is produced jointly by the eight jurisdictions comprising the Gadsden-Etowah Phase II Small Municipal Separate Storm System. Implementation of the minimum control measures applicable to each jurisdiction is the responsibility of the individual jurisdiction. Implementation of the storm water monitoring component of the Storm Water Management Program is a joint responsibility of all jurisdictions.

I certify under penalty of law that this document and all attachments pertaining to the Rainbow City were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations.

In Calhoun

Terry John Kalhoun, Mayor Rainbow City, Alabama

5/26/1



9.0 City of Southside (ALR0400057)

The City of Southside (City) encompasses approximately 13.4% of the Urbanized Area and accounts for 10% of the population. A map depicting the City of Southside's urbanized area and city limits is located in **Appendix I-1, Figure 1**.

In accordance with Part III.B of the NPDES General Permit, the 2017 SWMPP detailed the specific activities the City planned to undertake regarding the following five minimum control measures:

- 1. Public Education and Public Involvement on Storm Water Impacts
- 2. Illicit Discharge Detection and Elimination (IDDE)
- 3. Construction Site Storm Water Runoff Control
- 4. Post-Construction Storm Water Management in New Development and Redevelopment
- 5. Pollution Prevention/Good Housekeeping for Municipal Operations

The following sections detail the current implementation status of each minimum control measure, activities conducted during the current reporting period, planned activities for the upcoming reporting period, requested changes to the provisions of the 2012 and 2017 SWMPP, and the party responsible for implementing each minimum control measure.

Information for the preparation of this report was provided by:

Mr. Darryl Sanders 2255 Highway 77 Southside, AL 35907 256-442-9775 Dsanders76@gmail.com

9.1 Public Education and Public Involvement on Storm Water Impacts

9.1.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Southside completed twelve (12) of the fifteen (15) Public Education and Outreach strategies identified in the previous Annual Report and the 2017 SWMPP and began working on one (1) strategy. The City failed to meet two (2) strategies.

The City of Southside added the 2015-2016 Annual Report to the webpage, but did not add the 2017 SWMPP (Activity 3).

The City of Southside did not promote or participate in the Renew Our Rivers (Activity 14).

The City of Southside did not coordinate an annual community clean-up day targeting secondary waterways and primary contributing watersheds: (Activity 15).



The City of Southside also completed seven (7) strategies beyond those proposed in the previous Annual Report and the 2017 SWMPP. These strategies included:

- The City of Southside provided educational pamphlets to the City Council Members (Activity 16)
- The City of Southside placed bookmarks in the library and educational materials in the community center (Activity 17)
- The City of Southside displayed educational signs in the City Hall (Activity 18)
- The City of Southside used digital signs to advertise events (Activity 19)
- The City of Southside The City created a Beautification Board (Activity 20)
- The City of Southside was unable to participate in the ADEM statewide conference because the conference was not held during this reporting period (Activity 21)
- The City of Southside recycles aluminum cans in the break room at the City Hall (Activity 21)
- The City of Southside recycles metal from city projects (Activity 22)
- The City of Southside advertises the Gadsden Recycling Center on the webpage (Activity 23)
- The City of Southside has a Nuisance and Abatement Ordinance and an enforcement officer to investigate complaints of abandoned property, trash, debris, abandoned vehicles, unkept lawns, etc. (Activity 24)

A table identifying each Public Education and Outreach strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Southside, and a description of activities planned for the next reporting period is provided in **Appendix I-2**. Supporting documentation is also included in **Appendix I-3**.

9.1.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Public Education and Outreach Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

9.1.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Public Involvement and Public Involvement Control Measure. The strategies are adequate to educate the community about the impacts of storm water runoff, identify steps the community can take to help reduce pollutants, and provide opportunities for public involvement.

9.1.4 Proposed Changes

The City of Southside requests no changes to the Public Involvement and Participation strategies identified in the 2017 SWMPP.



9.1.5 *Responsible Party*

The City of Southside Mayor's office and Building Department are responsible for overseeing, developing, and coordinating the Public Education and Public Involvement efforts.

9.2 Illicit Discharge Detection and Elimination

9.2.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Southside completed seventeen (17) of the seventeen (17) Illicit Discharge Detection and Elimination strategies identified in the previous Annual Report and the 2017 SWMPP.

The City of Southside also completed one (1) strategy beyond those proposed in the previous Annual Report and the 2017 SWMPP. The strategy was:

• The City of Southside was unable to participate in the ADEM statewide conference because the conference was not held during this reporting period (Activity 21)

A table identifying each Illicit Discharge Detection and Elimination strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Southside, and a description of activities planned for the next reporting period is provided in **Appendix I-2**. Supporting documentation is also included in **Appendix I-3**.

9.2.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Illicit Discharge Detection and Elimination Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

9.2.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Illicit Discharge Detection and Elimination Control Measure. The strategies are adequate to prevent or correct illicit discharges to the Gadsden-Etowah MS4.

9.2.4 Proposed Changes

The City of Southside requests no changes to the Illicit Discharge Detection and Elimination strategies identified in the 2017 SWMPP.

9.2.5 *Responsible Party*

The City of Southside Mayor's office and Building Department are responsible for overseeing, developing, and coordinating the IDDE program in the City of Southside regulated MS4 area.



9.3 Construction Site Storm Water Runoff

9.3.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Southside completed six (6) of the six (6) Construction Site Storm Water Runoff strategies identified in the previous Annual Report and the 2017 SWMPP.

A table identifying each Construction Site Storm Water Runoff strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Southside, and a description of activities planned for the next reporting period is provided in **Appendix I-2**. Supporting documentation is also included in **Appendix I-3**.

9.3.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Construction Site Storm Water Runoff Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

9.3.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Construction Site Storm Water Runoff Control Measure. The strategies are adequate to monitor and control pollutants associated with land disturbing activities.

9.3.4 Proposed Changes

The City of Southside requests no changes to the Construction Site Storm Water Runoff strategies identified in the 2017 SWMPP.

9.3.5 *Responsible Party*

The City of Southside Mayor's office and Building Department are responsible for implementing and tracking the construction site storm water provisions of the ordinance as well as other Construction Site Storm Water Runoff strategies.

9.4 Post-Construction Storm Water Management in New Development and Redevelopment

9.4.1 Implementation Status

During the April 1, 2016 to March 31, 2017 reporting period, the City of Southside completed seven (7) of the seven (7) Post-Construction Storm Water Management strategies identified in the previous Annual Report and the 2017 SWMPP.



The City of Southside also completed one (1) strategy beyond those proposed in the previous Annual Report and the 2017 SWMPP. The strategy was:

• The City of Southside maintained a detention pond, to alleviate occasional flooding of Powell St. & pooling around a residential structure (Activity 8).

A table identifying each Post-Construction Storm Water Management strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Southside, and a description of activities planned for the next reporting period is provided in **Appendix I-2**. Supporting documentation is also included in **Appendix I-3**.

9.4.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Post-Construction Storm Water Management Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

9.4.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Post-Construction Storm Water Management Control Measure. The strategies are adequate to address post-construction storm water runoff from new development and re-development.

9.4.4 Proposed Changes

The City of Southside requests no changes to the Post-Construction Storm Water Runoff strategies identified in the 2017 SWMPP.

9.4.5 *Responsible Party*

The City of Southside Mayor's office and Building Department are responsible for implementing the provisions of the ordinance pertaining to post construction storm water management as well as other Post - Construction Site Storm Water Runoff strategies.

9.5 **Pollution Prevention and Good Housekeeping for Municipal Operations**

9.5.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the City of Southside completed eight (8) of the eight (8) Pollution Prevention and Good Housekeeping for Municipal Operations strategies identified in the previous Annual Report and the 2017 SWMPP.

The City of Southside also completed nine (9) strategies beyond those proposed in the previous Annual Report. These strategies included:

• The City of Southside used minimal amounts of herbicides at ball fields (Activity 9)



- Four employees received chemical spill training (Activity 10)
- The City placed materials to respond to spills at the maintenance shop (Activity 11)
- The City collected used oil at the Maintenance Shop for recycling (Activity 12)
- The City advertised the Gadsden Recycling Center on the webpage (Activity 13)
- The City recycled metal from city projects (Activity 14)
- The County provided prisoner cleanup along City, County, and State right-of-ways upon request (Activity 15)
- The City provided containment facilities for Used Oil & Off Road Diesel Storage Tanks (Activity 16)
- The City has a Nuisance and Abatement Ordinance and an enforcement officer to investigate complaints of abandoned property, trash, debris, abandoned vehicles, unkept lawns, etc. (Activity 17)

A table identifying each Pollution Prevention and Good Housekeeping for Municipal Operations strategy planned for the 2016-2017 reporting period, a description of actions taken by the City of Southside, and a description of activities planned for the next reporting period is provided in **Appendix I-2**. Supporting documentation is also included in **Appendix I-3**.

9.5.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The City will implement the activities listed in the 2017 SWMPP as part of their Pollution Prevention and Good Housekeeping for Municipal Operations Program during the 2017-2018 reporting period. The City will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

9.5.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Pollution Prevention and Good Housekeeping for Municipal Operations Control Measure. The strategies are adequate to address storm water pollution prevention from municipal operations.

9.5.4 Proposed Changes

The City of Southside requests no changes to the Pollution Prevention and Good Housekeeping for Municipal Operations strategies identified in the 2017 SWMPP.

9.5.5 *Responsible Party*

The City of Southside Mayor's office and Building Department are responsible for implementing and tracking Pollution Prevention and Good Housekeeping strategies within municipal operations.

9.6 **Overall Program Evaluation**

9.6.1 *Major Accomplishments*

The City of Southside's SWMPP is considerably stronger and more effective following the prior reporting period. The City completed 50 out of 53 planned strategies and 18 additional strategies. The number of



additional strategies is an increase when compared to previous reporting periods. This also demonstrates the City's commitment to implement the SWMPP and Phase II Permit by going beyond what the strategies they committed to in the 2017 SWMPP.

In response to the September 2016 Permit, the City of Southside contracted S&ME, Inc. to prepare a revised Storm Water Management Program Plan. The revised SWMPP included changes to strengthen, organize, and consolidate the Storm Water Management Program. The SWMPP was submitted to and approved by the ADEM in January 2017.

The City of Southside has completed the Storm Water System Map. Sixteen outfalls have been identified. Sixteen outfalls were inspected during the reporting period and dry weather screening was conducted at each of the outfalls. No illicit discharges were observed and no samples were collected.

The City established SOPs and an associated checklist for three municipal facilities that have the potential to discharge pollutants through storm water runoff.

The City compiled an inventory of six post-construction controls within the City's urbanized area.

9.6.2 *Overall Programs Strengths and Weaknesses*

The main strength of the program is the increased public education efforts. The City has increased their involvement in cleanup activities within the City, partnerships with Keep Etowah Beautiful, and public education when compared to the past reporting periods. Specifically the City hosts a City Fest each year which the City staffs a storm water display and advertises "Water Quality Awareness Week". City fest allows the City to not only reach citizens within the City but also within the County.

Another strength is the completion of the Storm Water System Map. This will significantly help the City in illicit discharge investigations.

The main weakness of the program is the small number of municipal staff that are able to be dedicated exclusively to the performance of the duties required by the Phase II Permit. The City currently employs Building Inspector as the primary executive of the storm water program. The City does not have an Engineering Department to assists with the storm water program responsibilities; the program duties are handled by one individual. The City does not currently have the ability to expand the Building Department for the storm water program; therefore, this weakness is expected to remain for several years.

9.6.3 *Future Direction of the Program*

During the upcoming reporting period, the City plans to implement the 2017 SWMPP. The City is working to develop a better way to track and document the completion of the strategies. The City of Southside is committed to educating the citizens of the SWMP Program and how the actions of others can impact the storm water and the Coosa River.

9.6.4 Overall effectiveness of the SWMPP

The City of Southside is proud of their efforts to achieve the objectives of the SWMPP. Based on this evaluation, the SWMPP appears to be effective in meeting the objectives and requirements of the Phase II Permit.


9.7 Agency Certification

This Annual Report is produced jointly by the eight jurisdictions comprising the Gadsden-Etowah Phase II Small Municipal Separate Storm System. Implementation of the minimum control measures applicable to each jurisdiction is the responsibility of the individual jurisdiction. Implementation of the storm water monitoring component of the Storm Water Management Program is a joint responsibility of all jurisdictions.

I certify under penalty of law that this document and all attachments pertaining to the City of Southside were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations.

Wally Burns, Mayor City of Southside, Alabama

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10.0 Etowah County (ALR0400009)

Unincorporated portions of Etowah County (County) within the *Gadsden, Alabama Urbanized Area* encompass approximately 16.5% of the Urbanized Area and account for approximately 4.5% of the population. Although only a relatively small portion of unincorporated Etowah County lies within the MS4 boundary, the majority of Etowah County lies within the Coosa River watershed. The information, resources, minimum control measures, and best management practices developed for the MS4 Storm Water Management Program can be applied to any area within the County and therefore ultimately benefit water quality of the Coosa River. A map depicting the Etowah County's urbanized area and county limits is located in **Appendix J-1, Figure 1**.

In accordance with Part III.B of the NPDES General Permit, the 2017 SWMPP detailed the specific activities the County planned to undertake regarding the following five minimum control measures:

- 1. Public Education and Public Involvement on Storm Water Impacts
- 2. Illicit Discharge Detection and Elimination (IDDE)
- 3. Construction Site Storm Water Runoff Control
- 4. Post-Construction Storm Water Management in New Development and Redevelopment
- 5. Pollution Prevention/Good Housekeeping for Municipal Operations

The following sections detail the current implementation status of each minimum control measure, activities conducted during the current reporting period, planned activities for the upcoming reporting period, requested changes to the provisions of the 2012 and 2017 SWMPP, and the party responsible for implementing each minimum control measure.

Information for the preparation of this report was provided by:

Mr. Robert Nail, P.E. County Engineer 402 Tuscaloosa Ave Gadsden, AL 35901 (256) 549-5358 rnail@etowahcounty.org

10.1 Public Education and Public Involvement on Storm Water Impacts

10.1.1 Implementation Status

During the April 1, 2016 to March 31, 2017 reporting period, Etowah County completed ten (10) of the eleven (11) Public Education and Public Involvement strategies identified in the previous Annual Report and the 2017 SWMPP and failed to complete one (1) strategy.

Etowah County did not add the 2017 SWMPP nor the current Annual Report to the webpage (Activity 3)



Etowah County also completed five (5) strategies beyond those proposed in the previous Annual Report or 2017 SWMPP. These strategies included:

- Etowah County partnered with Advanced Disposal had open-top containers at several locations across County (Activity 12)
- Etowah County sponsored a Drug Collection Day (Activity 13)
- Etowah County supported Adopt-A-Mile Program by providing trash bags for cleanup, maintaining the Adopt-A-Mile signs, and disposing of the garbage collected (Activity 14)
- Etowah County utilized County inmates to collect trash along the County highways throughout the year (Activity 15)
- Etowah County attended the ALDOT MS4 Meeting to share information and network (Activity 16)

A table identifying each Public Education and Public Involvement strategy planned for the 2016-2017 reporting period, a description of actions taken by Etowah County, and a description of activities planned for the next reporting period is provided in **Appendix J-2**. Supporting documentation is also included in **Appendix J-3**.

10.1.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The County will implement the activities listed in the 2017 SWMPP as part of their Public Education and Public Involvement Program during the 2017-2018 reporting period. The County will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

10.1.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Public Involvement and Public Involvement Control Measure. The strategies are adequate to educate the community about the impacts of storm water runoff, identify steps the community can take to help reduce pollutants, and provide opportunities for public involvement.

10.1.4 Proposed Changes

Etowah County requests no other changes to the Public Education and Public Involvement strategies identified in the 2017 SWMPP.

10.1.5 *Responsible Party*

The Etowah County Engineering Department is responsible for overseeing, developing, and coordinating the Public Education and Public Involvement efforts.



10.2 Illicit Discharge Detection and Elimination

10.2.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, the Etowah County completed eighteen (18) of the eighteen (18) Illicit Discharge Detection and Elimination strategies identified in the previous Annual Report and the 2017 SWMPP.

A table identifying each Illicit Discharge Detection and Elimination strategy planned for the 2016-2017 reporting period, a description of actions taken by the Etowah County, and a description of activities planned for the next reporting period is provided in **Appendix J-2**. Supporting documentation is also included in **Appendix J-3**.

10.2.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The County will implement the activities listed in the 2017 SWMPP as part of their Illicit Discharge Detection and Elimination Program during the 2017-2018 reporting period. The County will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

10.2.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Illicit Discharge Detection and Elimination Control Measure. The strategies are adequate to prevent or correct illicit discharges to the Gadsden-Etowah MS4.

10.2.4 Proposed Changes

Etowah County requests no changes to the Illicit Discharge Detection and Elimination strategies identified in the 2017 SWMPP.

10.2.5 *Responsible Party*

The Etowah County Engineering Department is responsible for overseeing, developing, and coordinating the IDDE program in the Etowah County regulated MS4 area.

10.3 Construction Site Storm Water Runoff

10.3.1 Implementation Status

During the April 1, 2016 to March 31, 2017 reporting period, the Etowah County completed five (5) of the five (5) Construction Site Storm Water Runoff strategies identified in the previous Annual Report and the 2017 SWMPP.

A table identifying each Construction Site Storm Water Runoff strategy planned for the 2016-2017 reporting period, a description of actions taken by the Etowah County, and a description of activities



planned for the next reporting period is provided in **Appendix J-2**. Supporting documentation is also included in **Appendix J-3**.

10.3.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The County will implement the activities listed in the 2017 SWMPP as part of their Construction Site Storm Water Runoff Program during the 2017-2018 reporting period. The County will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

10.3.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Construction Site Storm Water Runoff Control Measure. The strategies are adequate to monitor and control pollutants associated with land disturbing activities.

10.3.4 Proposed Changes

The Etowah County requests no changes to the Construction Site Storm Water Runoff strategies identified in the 2017 SWMPP.

10.3.5 *Responsible Party*

The Etowah County Engineering Department is responsible for implementing and tracking the construction site storm water provisions of the ordinance as well as other Construction Site Storm Water Runoff strategies.

10.4 Post-Construction Storm Water Management in New Development and Redevelopment

10.4.1 Implementation Status

During the April 1, 2016 to March 31, 2017 reporting period, Etowah County met seven (7) of the seven (7) Post-Construction Storm Water Management strategies identified in the previous Annual Report and the 2017 SWMPP.

Etowah County also completed one (1) strategy beyond those proposed in the previous Annual Report and the 2017 SWMPP. These strategies include:

• Etowah County worked to reduce runoff within our right-of way and monitor our areas for erosion using riprap and vegetation (Activity 8)

A table identifying each Post-Construction Storm Water Management strategy planned for the 2016-2017 reporting period, a description of actions taken by the Etowah County, and a description of activities planned for the next reporting period is provided in **Appendix J-2**. Supporting documentation is also included in **Appendix J-3**.



10.4.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The County will implement the activities listed in the 2017 SWMPP as part of their Post-Construction Storm Water Management Program during the 2017-2018 reporting period. The County will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

10.4.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Post-Construction Storm Water Management Control Measure. The strategies are adequate to address post-construction storm water runoff from new development and re-development.

10.4.4 Proposed Changes

Etowah County requests no changes to the Post-Construction Storm Water Management strategies identified in the 2017 SWMPP.

10.4.5 *Responsible Party*

The Etowah County Engineer's Office is responsible for implementing the provisions of the ordinance pertaining to post construction storm water management as well as other Post-Construction Site Storm Water Runoff strategies.

10.5 Pollution Prevention and Good Housekeeping for County Operations

10.5.1 *Implementation Status*

During the April 1, 2016 to March 31, 2017 reporting period, Etowah County completed eight (8) of the eight (8) Pollution Prevention and Good Housekeeping for Municipal Operations strategies identified in the previous Annual Report and the 2017 SWMPP.

Etowah County also completed six (6) strategies beyond those proposed in the previous Annual Report and the 2017 SWMPP. These strategies include:

- Etowah County removed dead animals from the roadside (Activity 9)
- Etowah County partnered with Advanced Disposal had open-top containers at several locations across County (Activity 10)
- Etowah County provided trash bags for cleanup, maintains the Adopt-A-Mile signs, and disposes of the garbage collected. (Activity 11)
- Etowah County cleared and removed trees and brush from drainage ways as needed (Activity 12)
- The County maintained "No Dumping \$500 fine" signs and these No Dumping areas are under video surveillance signs (Activity 13)
- The County utilized County inmates to collect trash along the County highways throughout the year (Activity 14)



A table identifying each Pollution Prevention and Good Housekeeping for Municipal Operations strategy planned for the 2016-2017 reporting period, a description of actions taken by Etowah County, and a description of activities planned for the next reporting period is provided in **Appendix J-2**. Supporting documentation is also included in **Appendix J-3**.

10.5.2 Proposed Activities for the April 1, 2017 to March 31, 2018 Reporting Period

The County will implement the activities listed in the 2017 SWMPP as part of their Pollution Prevention and Good Housekeeping for Municipal Operations Program during the 2017-2018 reporting period. The County will evaluate the success of the program to aid in preparing the required Annual Report based on the evaluation criteria established for each strategy.

10.5.3 Assessment of Control

The strategies enacted during the reporting period appear to be effective in meeting the objectives of the Pollution Prevention and Good Housekeeping for Municipal Operations Control Measure. The strategies are adequate to address storm water pollution prevention from municipal operations.

10.5.4 Proposed Changes

The Etowah County requests no changes to the Pollution Prevention and Good Housekeeping for Municipal Operations Program strategies identified in the 2017 SWMPP.

10.5.5 *Responsible Party*

The Etowah County Engineer's Office is responsible for implementing and tracking Pollution Prevention and Good Housekeeping strategies within County operations.

10.6 Overall Program Evaluation

10.6.1 Major Accomplishments

Etowah County's SWMPP is considerably stronger and more effective following the prior reporting period. The County completed 47 out of 48 planned strategies and 12 additional strategies. The number of additional strategies is an increase when compared to the previous reporting periods. This also demonstrates the City's commitment to implement the SWMPP and Phase II Permit by going beyond what the strategies they committed to in the 2017 SWMPP.

In response to the September 2016 Permit, the Etowah County contracted S&ME, Inc. to prepare a revised Storm Water Management Program Plan. The revised SWMPP included changes to strengthen, organize, and consolidate the Storm Water Management Program. The SWMPP was submitted to and approved by the ADEM in January 2017.

Etowah County has completed the Storm Water System Map and 47 outfalls were identified. Ten outfalls were inspected during the reporting period and dry weather screening was conducted at each of the outfalls. No illicit discharges were observed and no samples were collected.



The County established SOPs and an associated checklist for eight municipal facilities that have the potential to discharge pollutants through storm water runoff.

10.6.2 *Overall Programs Strengths and Weaknesses*

The County created Keep Etowah Beautiful (KEB) to plan, coordinate, document, and complete public educational and involvement activities to create a love for the county and to increase participation in cleanup activities. KEB is a significant strength of the Public Education and Involvement Control Measure.

In Etowah County, Home Rule is limited by the State constitution. Counties have no general grant of power in the State Constitution and must go to the Alabama Legislature for authority to engage in any activity not currently authorized by the State Constitution. Authority may be granted through constitutional amendments or by an act of the legislature known as "local legislation." Etowah County currently does not have the authority to enact an illicit discharge ordinance, and would require action from the Alabama Legislature to gain that ability. This is a weakness to the program that is unavoidable at this time.

Another weakness of the program is the small number of staff that are able to be dedicated exclusively to the performance of the duties required by the Phase II Permit. The County currently employs two individuals who are the primary executives of the storm water program. The County does have an Engineering Department to assists with the storm water program responsibilities. The County does not currently have the ability to expand the Engineering Department for the storm water program; therefore, this weakness is expected to remain for several years.

10.6.3 Future Direction of the Program

During the upcoming reporting period, the County plans to implement the 2017 SWMPP. The County is working to develop a better way to track and document the completion of the strategies. Etowah County is committed to educating the citizens of the SWMP Program and how the actions of others can impact the storm water and the Coosa River.

10.6.4 Overall effectiveness of the SWMPP

Etowah County is proud of their efforts to achieve the objectives of the SWMPP. Based on this evaluation, the SWMPP appears to be effective in meeting the objectives and requirements of the Phase II Permit.



10.7 Agency Certification

This Annual Report is produced jointly by the eight jurisdictions comprising the Gadsden-Etowah Phase II Small Municipal Separate Storm System. Implementation of the minimum control measures applicable to each jurisdiction is the responsibility of the individual jurisdiction. Implementation of the storm water monitoring component of the Storm Water Management Program is a joint responsibility of all jurisdictions.

I certify under penalty of law that this document and all attachments pertaining to Etowah County were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations.

Mr MI

Responsible Official Etowah County, Alabama

5/20/17

Date

Appendices

Appendix A – Figures





Appendix B – Charts

CHART 1 - TURBIDITY ANALYTICAL DATA



CHART 2 - pH ANALYTICAL DATA



CHART 3 - DISSOLVED OXYGEN ANALYTICAL DATA



CHART 4 - TEMPERATURE ANALYTICAL DATA



CHART 5 - NITRATE-NITRITE ANALYTICAL DATA



CHART 6 - ORTHOPHOSPHATE ANALYTICAL DATA



CHART 7 - TOTAL PHOSPHOROUS ANALYTICAL DATA



CHART 8 - TOTAL KJELDAHL NITROGEN ANALYTICAL DATA



CHART 9 - TOTAL SUSPENDED SOLIDS ANALYTICAL DATA



Appendix C – Monitoring Reports

Monitoring Report Second Quarter 2016 Gadsden Alabama Urbanized Area Phase II Small MS4 NPDES General Permit ALR040009 Gadsden, Etowah County, Alabama S&ME Project No. 4482-15-043



Prepared for: Gadsden-Etowah MS4 Steering Committee

> Prepared by: S&ME, Inc. 360D Quality Circle, NW Suite 450 Huntsville, AL 358066

> > August 30, 2016



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Appendix B

Table B.1 – Field Observations Table B.2 – Analytical Data Tables B.3 to B.21 – Historical Analytical Data



Appendix C Laboratory Report No. L844361, dated July 13, 2016



1.0 Introduction

S&ME, Inc. has prepared this Monitoring Report for the *Gadsden, Alabama Urbanized Area* Phase II small MS4 in accordance with S&ME Proposal No. 44-1500218, dated June 30, 2015. Authorization date and responsible official for each entity are provided in Table 1.1.

Name	Entity	Date	
Wally Burns, Mayor	City of Southside	July 7, 2015	
Larry Payne, President	Etowah County	July 21, 2015	
Sherman Guyton, Mayor	City of Gadsden	July 29, 2015	
Larry Means, Mayor	City of Attalla	August 5, 2015	
Jeff Cheatwood, Mayor	City of Hokes Bluff	August 14, 2015	
Charles Gilchrist, Mayor	City of Glencoe	August 14, 2015	
Terry John Calhoun, Mayor	City of Rainbow City	October 23, 2015	

Table 1-1 Responsible Official and Authorization Dates

1.1 NPDES Permit

The Storm Water Phase II Final Rule issued by the United States Environmental Protection Agency (USEPA) in 1999 requires nationwide coverage of all operators of small MS4s located within the boundaries of an "urbanized area" as defined by the latest decennial Census. Based on the results of the 2000 census, the Bureau of the Census designated The City of Gadsden, Rainbow City, Reece City, City of Southside, City of Glencoe, City of Hokes Bluff, City of Attalla, and portions of unincorporated Etowah County as the Gadsden, Alabama Urbanized Area. A map outlining the approximate boundary of the Gadsden, Alabama Urbanized Area is included as **Figure 1** in **Appendix A**. The regulated small municipal separate storm sewer system (MS4) for the urbanized area is collectively referred to as the Gadsden-Etowah MS4.

In 2003, the Alabama Department of Environmental Management (ADEM) issued National Pollutant Discharge Elimination System (NPDES) General Permit ALR040009 for discharges from regulated small municipal separate storm sewer systems to the Gadsden-Etowah MS4. The permit was re-issued in 2011 with an effective date of February 1, 2011.

1.2 Water Quality Concerns

Section 303(d) of the Clean Water Act (CWA), as amended by the Water Quality Act of 1987, and EPA's Water Quality Planning and Management Regulations (40CFR130) require states to identify waterbodies not in compliance with the water quality standards applicable to their designated use classifications. Section 303(d) then requires that total maximum daily loads (TMDLs) be determined for all pollutants causing violation of applicable water quality standards in each identified segment.

Neely Henry Lake is the primary receiving water for the Gadsden-Etowah MS4. In 1996, the ADEM identified five of the six reservoirs on the Coosa River within the State of Alabama's borders as being



impaired, including Neely Henry Lake. In 2008 the EPA approved TMDLs for Neely Henry Lake related to Nutrients (Total Phosphorous), pH, and Dissolved Oxygen. The Gadsden-Etowah MS4 is required to achieve a 30% reduction in Total Phosphorus loading.

1.3 Monitoring Program

Part III.B of the NPDES General Permit requires that the Permittee develop and implement a Storm Water Management Program (SWMP). Part IV.D of the NPDES General Permit requires that the SWMP include monitoring provisions to document that the waste load allocations prescribed in the TMDL are being achieved.

Section 2 of the SWMP, dated June 29, 2012, provides the specific details of the monitoring program. The ADEM approved the submitted SWMP in July of 2012. The intent of the monitoring program is to document that discharges from the MS4 meet the permit requirements. Where deviations are documented and/or expected, the collected monitoring data will be used to determine the extent and cause of the pollutant of concern.

2.0 Rainfall Data

The Gadsden-Etowah MS4 is required to achieve a 30% reduction in Total Phosphorus discharge loading. The largest loading of phosphorous to the Coosa River from the Gadsden-Etowah MS4 is expected to occur during runoff events; therefore, the SWMP requires that monitoring be conducted within 72 hours of a qualifying rain event of 0.75 inch.

Only one qualifying rain event occurred during the second quarter monitoring period at all four weather stations located in the vicinity of the urbanized area. This event took place at the beginning of the second quarter on April 11, 2016. Monitoring was not conducted within 72 hours of this event. No more qualifying rain events were observed at all four weather stations located in the vicinity of the urbanized area during the second quarter. Therefore, this sampling event was conducted following a rain event of less than 0.75 inch.

On June 27th rain was observed at three of the four weather stations located in the vicinity of the urbanized area. The locations of the weather stations are identified on **Figure 2** in **Appendix A**.

GAUGE NAME	LOCATION	LAT.	LONG.	PRECIP 7/27
MD5866*	Rainbow City, AL	33.922°	-86.099°	N/A
KGAD	Gadsden Municipal Airport	33.973°	-86.088°	0.34 in.
KALHOKES2	Hokes Bluff Hokes Bluff, AL	33.993°	-85.806°	0.49 in.
KALGADSD3	Noccalula Falls Gadsden, AL	34.056°	-85.994°	0.05 in.

Table 2-1 June 27, 2016 Rainfall Data



*No information was available for this weather station for the June 27, 2016 rain event.

3.0 Monitoring Event

On June 29, 2016, S&ME personnel mobilized to conduct storm water monitoring for the second quarter of 2016. The quarterly monitoring event was carried out in accordance with Section 2 of the Gadsden-Etowah MS4 Storm Water Management Program (SWMP), dated June 29, 2012.

3.1 Monitoring Locations

The primary monitoring locations selected for determining compliance of the Gadsden-Etowah MS4 with the 2008 phosphorous TMDL are identified on **Figure 2** in **Appendix A**. Coordinates for each point are listed in Table 3-1.

OUTFALL ID	LATITUDE	LONGITUDE	ACCESS	WATERBODY EVALUATED
AT 5	34.006446°	-86.069061°	LAND	Big Wills Creek / Little Wills Creek
GD 8	33.999535°	-86.024463°	LAND	Black Creek
RC 2	33.967683°	-86.039476°	LAND	Horton Creek
SS 13	33.891352°	-86.049229°	LAND	Neely Henry Lake
SS 14	33.885921°	-86.030683°	LAND	U.T. to Neely Henry Lake
GD 12	33.952567°	-86.003495°	LAND	U.T. to Neely Henry Lake
CO 14	33.940904°	-85.967704°	LAND	U.T. to Neely Henry Lake
SME 2	34.002461°	-86.001571°	LAND	U.T. to Coosa River
GD 6	34.015350°	-85.995617°	LAND	Town Creek
CO 15	33.972280°	-85.965354°	LAND	U.T. to Neely Henry Lake
RC 14	33.905786°	-86.111656°	BOAT	Rook Creek / Dry Creek
SS 5	33.941329°	-86.021569°	BOAT	U.T. to Coosa River
SME 1	33.990184°	-86.004048°	BOAT	Big Wills Creek / Black Creek
GD 9	33.989718°	-85.998472°	BOAT	U.T. to Coosa River (East Gadsden)
GD 7	34.008361°	-85.999777°	BOAT	Storm sewer outfall to Coosa River
GD 5	34.014324°	-85.924013°	BOAT	Big Cove Creek / Little Cove Creek
GD 3	34.012380°	-85.953651°	BOAT	U.T. to Neely Henry Lake
SME 3	34.009698°	-85.956230°	BOAT	Coal Creek
HB 3	34.002129°	-85.882808°	BOAT	U.T. to Neely Henry Lake

Table 3-1 Monitoring Point Coordinates

3.2 Sampling Procedures

Samples collected on land were obtained using a stainless steel 1-quart bucket attached to a 30-foot telescoping fiberglass pole. S&ME personnel extended the pole to mid-channel at each location and collected a sample at mid-depth or two (2) feet below the water surface, whichever was shallower. The



sample was then poured into a 6-quart stainless steel bucket. Four to five quarts were collected and mixed in the 6-quart bucket prior to analysis. The stainless steel buckets were decontaminated prior to use and between samples.

Samples collected from the boat were obtained using a horizontal Van Dorn sampler. S&ME personnel inserted the sampler into the water upstream of the boat, lowered it to a depth of five (5) feet below the water surface then triggered the seals. The collected sample was discharged from a valve in the sampler. Duplicate samples were obtained using the Van Dorn sampler to collect two 2-liter samples, then mixing them in a 6-quart stainless steel bucket. The Van Dorn sampler was decontaminated prior to use and in between samples.

3.3 Field Documentation

The following observations were documented in the field at each monitoring location:

- Monitoring point ID
- Date and time
- Person conducting the sampling
- Equipment used
- Depth of sample collection
- Weather conditions
- Waterbody conditions

The following parameters were measured in the field at the time of sample collection:

- Turbidity
- pH
- Dissolved Oxygen (DO)
- Temperature

Field parameters were measured using a combination of the following instruments:

- LaMotte 2020 Turbidimeter
- Hach 2100Q Turbidimeter
- YSI 556 Multi-Probe Meter
- PH100 ExStik® pH Meter
- YSI 550A Dissolved Oxygen Meter

The recorded field observations are included on **Table B.1** in **Appendix B**. The recorded field parameters are included on **Table B.2** in **Appendix B**.

3.4 Quality Assurance / Quality Control

The following handling procedures were employed in general accordance with EPA and ADEM guidance to safeguard the quality of the collected samples.



3.4.1 Sample Containers and Preservation

All samples were collected in new laboratory-provided containers containing analyte-appropriate preservatives as listed below:

PARAMETER	CONTAINER	PRESERVATIVE	HOLD TIME
Total Suspended Solids (TSS)	HDPE - 1 L	NONE	7 days
Total Phosphorous	HDPE - 250 mL	H ₂ SO ₄	48 hours
Orthophosphate	HDPE - 250 mL	NONE	48 hours
Nitrate-Nitrite	HDPE - 250 mL	H ₂ SO ₄	28 days
Total Kjeldahl Nitrogen (TKN)	HDPE - 250 mL	H ₂ SO ₄	28 days

Table 3-2 Sample Containers and Preservation

Prior to filling, sample containers were labeled with the following information in waterproof ink:

- Project number
- Sample location
- Collection date and time
- Preservative
- Analysis to be performed

3.4.2 Quality Assurance

Two duplicate samples were submitted to the laboratory. One duplicate sample of monitoring point SME 2 was collected by the land team during the sampling event and labeled as SME 4. One duplicate sample of monitoring point HB 3 was collected by the boat team during the sampling event and labeled as SME 5.

3.4.3 Sample Shipment

After filling, the sample containers were sealed and immediately placed on ice in a protective container for shipment to the analytical laboratory. A Chain of Custody form was completed and accompanied the samples from the field to the laboratory. A copy of the Chain of Custody is included in **Appendix C**.

4.0 Analytical Results

The laboratory analytical results for the June 29, 2016 quarterly monitoring event are included on **Table B.2** provided in **Appendix B**. The laboratory reports and Chain of Custody are included in **Appendix C**.

5.0 Recordkeeping

Each quarterly monitoring report will be incorporated into the Annual Update of the Storm Water Management Plan. Monitoring reports will be retained by each municipality for a minimum of 3 years.



The Storm Water Steering Committee is responsible for the coordination and implementation of the Storm Water Management Plan. Current membership of the Storm Water Steering Committee is as follows:

ENTITY	CONTACT	PHONE NO.	EMAIL
City of Gadsden	Jeramy Ward	256-549-4527	jward@cityofgadsden.com
City of Gadsden	Heath Williamson	256-549-4520	hwilliamson@cityofgadsden.com
City of Attalla	Jason Nicholson	256-441-9200	jason.attalla@gmail.com
City of Rainbow City	Kevin Ashley	256-413-1240	kashley@rbcalabama.com
City of Southside	Jimmy Whittemore	256-442-9775 Ext. 103	jwhittemore@cityofsouthside.com
City of Glencoe	Charles Gilchrist	256-492-1424	charlesgilchrist@cityofglencoe.net
City of Hokes Bluff	Lisa Johnson	256-492-2414	hbcity@cityofhokesbluff.net
Etowah County	Tim Graves	256-549-5358	tgraves@etowahcounty.org
Etowah County	Robert Nail	256-549-5358	rnail@etowahcounty.org

Table 5-0 Storm Water Steering Committee

One copy of this Monitoring Report has been provided to each member of the Storm Water Steering Committee.

6.0 Certification of the Monitoring Report

I certify under penalty of law that this document and all attachments were prepared under my directions or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations.

Signature of Responsible Official

Date

Print Name and Title

MS4 Entity

7.0 Acknowledgement

S&ME, Inc. certifies that the information provided in this monitoring report reflects the conditions reported, encountered, and discovered at the time of report preparation. When performing this scope of



services, S&ME, Inc., observed the degree of care and skill generally exercised by other consultants undertaking similar studies at the same time, under similar circumstances and conditions, and in the same geographic area.

S&ME sincerely appreciates the opportunity to provide watershed monitoring services for the Gadsden-Etowah MS4. Should questions remain or if additional information is required, please do not hesitate to contact the undersigned.

S&ME, Inc.

uned Emily J. Kennedy

Staff Scientist

fones

Deborah J. Jones, P.E. Senior Engineer



Appendix A

Figure 1 – Gadsden, Alabama Urbanized Area

Figure 2 – MS4 Monitoring Locations Map






Appendix B

Table B.1 – Field Observations

Table B.2 – Analytical Data

Tables B.3 to B.21 – Historical Analytical Data

TABLE B.1 - FIELD OBSERVATIONS

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	TIME	DEPTH (FT)	PERSONNEL	WEATHER CONDITIONS	WATERBODY CONDITIONS
AT 5	6/29/2016	950	-0.5'	DJJ/LP	Sunny	Smooth
GD 8	6/29/2016	1020	-0.5'	DJJ/LP	Sunny	Smooth
RC 2	6/29/2016	1045	-0.5'	DJJ/LP	Sunny	Smooth
SS 13	6/29/2016	1115	-0.5'	DJJ/LP	Sunny	Smooth
SS 14	6/29/2016	1130	-0.5'	DJJ/LP	Sunny	Smooth
GD 12	6/29/2016	1400	-0.5'	DJJ/LP	Sunny	Smooth
CO 14	6/29/2016	DRY		DJJ/LP	Sunny	DRY
SME 2	6/29/2016	1300	-0.5'	DJJ/LP	Sunny	Smooth
GD 6	6/29/2016	1500	-0.5'	DJJ/LP	Sunny	Smooth
CO 15	6/29/2016	DRY		DJJ/LP	Sunny	DRY
RC 14	6/29/2016	0:00	-5'	EJK/TLO	Sunny	Smooth, slow flow
SS 5	6/29/2016	1030	-5'	EJK/TLO	Sunny	Smooth, slow flow
SME 1	6/29/2016	1112	-5'	EJK/TLO	Sunny	Smooth, slow flow
GD 9	6/29/2016	1122	-5'	EJK/TLO	Sunny	Smooth, slow flow
GD 7	6/29/2016	1131	-5'	EJK/TLO	Sunny	Smooth, slow flow
GD 5	6/29/2016	1433	-5'	EJK/TLO	Partly Cloudy	Smooth, slow flow
GD 3	6/29/2016	1455	-5'	EJK/TLO	Partly Cloudy	Smooth, slow flow
SME 3	6/29/2016	1447	-5'	EJK/TLO	Partly Cloudy	Smooth, slow flow
HB 3	6/29/2016	1345	-5'	EJK/TLO	Partly Cloudy	Smooth, slow flow

TABLE B.2 - ANALYTICAL DATA

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

		FIELD PARAMETERS			LABORATORY ANALYSIS					
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
AT 5	6/29/2016	18.1	7.99	6.57	25.40	0.80	0.598	0.71	<0.25	14.5
GD 8	6/29/2016	32.5	8.50	6.60	29.30	<0.10	<0.025	<0.10	0.45	39.8
RC 2	6/29/2016	12.1	7.78	4.31	28.30	<0.10	0.077	<0.10	0.35	10.9
SS 13	6/29/2016	9.72	7.86	6.15	30.60	<0.10	<0.025	<0.10	0.53	9.8
SS 14	6/29/2016	5.98	7.62	3.61	27.20	<0.10	0.103	0.16	0.65	6.0
GD 12	6/29/2016	12.9	8.22	7.68	31.30	<0.10	0.036	<0.10	0.38	12.0
CO 14	6/29/2016	NS	NS	NS	NS	NS	NS	NS	NS	NS
SME 2	6/29/2016	7.6	8.23	7.24	30.40	0.19	<0.025	<0.10	0.29	8.0
GD 6	6/29/2016	10.4	8.86	9.64	31.50	<0.10	<0.025	<0.10	0.40	11.2
CO 15	6/29/2016	NS	NS	NS	NS	NS	NS	NS	NS	NS
SME 4	6/29/2016		DUPLICATE	E OF SME 2		<0.10	<0.025	<0.10	0.32	8.0
RC 14	6/29/2016	17.2	7.58	2.17	28.53	<0.10	0.037	<0.10	0.46	17.5
SS 5	6/29/2016	14.7	8.01	3.81	29.77	<0.10	0.066	<0.10	0.48	13.2
SME 1	6/29/2016	21.2	8.80	3.29	30.67	<0.10	0.180	0.25	0.62	20.3
GD 9	6/29/2016	43.7	8.20	1.76	29.77	<0.10	<0.025	<0.10	0.65	67.2
GD 7	6/29/2016	10.7	7.90	2.22	30.32	<0.10	0.048	<0.10	0.49	8.6
GD 5	6/29/2016	21.0	8.02	2.27	30.37	<0.10	0.074	<0.10	0.49	15.0
GD 3	6/29/2016	6.0	7.84	2.78	29.94	<0.10	0.088	<0.10	<0.25	10.7
SME 3	6/29/2016	17.7	7.80	2.56	30.16	<0.10	0.062	<0.10	0.37	15.3
HB 3	6/29/2016	17.3	8.02	2.77	30.61	<0.10	<0.025	<0.10	0.51	20.9
SME 5	6/29/2016		DUPLICAT	E OF HB 3		<0.10	0.027	<0.10	0.50	19.6

NTU - Nephelometric Turbidity Units

Bold - maximum reading for constituent

NA - not availabe at this time

NS - Not Sampled

mg/L - milligrams per liter

* - unknown reading due to equipment malfuction

TABLE B.3 - ANALYTICAL DATA - AT 5

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
AT 5	3/12/2013	15	7.80	11.04	12.55	0.61	0.150	0.14	0.37	20.0
AT 5	5/8/2013	25	5.08	2.59	14.69	0.31	0.099	0.11	0.56	19.0
AT 5	9/23/2013	21	5.96	3.95	22.88	1.30	0.400	0.35	0.37	22.0
AT 5	12/10/2013	68	5.32	11.43	8.21	0.79	0.290	0.34	0.97	64.0
AT 5	2/6/2014	40	4.06	15.29	7.28	0.80	0.130	0.13	0.35	32.0
AT 5	6/26/2014	70	7.85	7.61	23.89	0.77	0.340	0.28	0.38	19.0
AT 5	9/30/2014	15	5.78	6.63	21.03	0.94	0.490	0.54	<0.25	14.0
AT 5	11/19/2014	47	5.08	10.23	6.91	1.30	0.410	0.39	0.50	27.0
AT 5	3/23/2015	17	8.69	9.39	14.50	0.71	0.130	0.14	0.27	15.0
AT5	4/22/2015	53	6.93	11.13	18.40	0.69	0.110	0.13	<0.25	76.0
AT5	9/30/2015	15	6.37	9.45	21.63	1.82	0.664	0.86	<0.25	16.4
AT5	11/19/2015	934	7.38	19.33	14.98	0.67	0.261	0.31	1.47	74.6
AT 5	3/15/2016	30	7.93	20.43	16.86	0.58	0.068	<0.10	0.77	26.7
AT 5	6/29/2016	18	7.99	6.57	25.40	0.80	0.598	0.71	<0.25	14.5

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.4 - ANALYTICAL DATA - GD 8

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 8	3/12/2013	7	7.65	11.73	9.85	0.13	<0.025	<0.10	0.25	4.5
GD 8	5/8/2013	19	6.71	1.72	14.47	0.11	<0.025	<0.10	0.38	19.0
GD 8	9/23/2013	18	6.22	3.98	22.74	<0.10	<0.025	<0.10	0.41	9.6
GD 8	12/10/2013	31	6.04	13.33	8.10	0.28	0.040	<0.10	0.35	32.0
GD 8	2/6/2014	16	3.87	16.32	6.48	0.25	<0.025	<0.10	0.13	13.0
GD 8	6/26/2014	31	8.19	6.64	26.15	0.25	<0.025	<0.10	0.48	7.3
GD 8	9/30/2014	12	7.32	5.06	23.19	0.14	<0.025	<0.10	0.42	6.0
GD 8	11/19/2014	25	5.16	9.01	5.87	0.23	<0.025	<0.01	0.32	13.0
GD 8	3/23/2015	11	8.67	9.76	14.8	0.22	<0.025	<0.10	<0.25	4.8
GD 8	4/22/2015	20	7.40	11.71	17.70	0.16	<0.025	<0.10	<0.25	15.0
GD 8	9/30/2015	9	7.79	9.48	24.33	0.18	<0.025	<0.10	0.48	6.8
GD 8	11/19/2015	212	6.94	23.30	15.13	0.23	<0.025	0.10	0.85	79.6
GD 8	3/15/2016	11	7.88	16.81	16.98	0.13	<0.025	<0.10	0.47	8.3
GD 8	6/29/2016	33	8.50	6.60	29.30	<0.10	<0.025	<0.10	0.45	39.8

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.5 - ANALYTICAL DATA - RC 2

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
RC 2	3/12/2013	29	7.73	9.83	10.53	0.12	0.088	<0.10	0.75	14.0
RC 2	5/8/2013	19	6.16	3.06	16.36	0.19	<0.025	<0.10	0.55	12.0
RC 2	9/23/2013	11	6.24	3.00	23.61	<0.10	<0.025	<0.10	0.43	6.3
RC 2	12/10/2013	34	6.07	11.71	8.38	0.11	0.062	<0.10	0.54	10.0
RC 2	2/6/2014	30	3.89	17.28	5.62	0.26	<0.025	<0.10	0.43	9.6
RC 2	6/26/2014	18	7.90	6.81	24.81	0.15	<0.025	<0.10	0.44	7.2
RC 2	9/30/2014	3	7.27	5.55	22.25	<0.10	<0.025	<0.10	0.40	2.5
RC 2	11/19/2014	27	5.65	7.14	5.72	0.17	<0.025	<0.10	0.43	11.0
RC 2	3/23/2015	45	8.23	9.07	16.00	0.15	0.044	<0.10	0.81	18.0
RC 2	4/22/2015	14	7.64	11.42	18.40	0.26	<0.025	<0.10	<0.25	4.8
RC 2	9/30/2015	7	5.93	9.28	23.33	<0.10	<0.025	<0.10	<0.25	4.6
RC 2	11/19/2015	114	7.36	21.94	15.29	0.27	<0.025	0.13	0.75	14.4
RC 2	3/15/2016	15	7.62	16.67	14.61	0.18	<0.025	<0.10	0.43	6.0
RC 2	6/29/2016	12	7.78	4.31	28.30	<0.10	0.077	<0.10	0.35	10.9

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.6 - ANALYTICAL DATA - SS 13

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS		LABORATORY ANALYSIS				
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
SS 13	3/12/2013	8	7.04	9.85	11.45	0.34	0.032	<0.10	0.78	4.7
SS 13	5/8/2013	10	6.68	2.94	18.75	0.36	<0.050	<0.10	0.72	5.7
SS 13	9/23/2013	12	7.04	3.38	25.31	<0.10	0.028	<0.10	0.84	9.6
SS 13	12/10/2013	12	6.14	10.93	8.99	0.33	0.077	0.12	0.67	5.6
SS 13	2/6/2014	7	4.26	17.50	5.14	0.42	<0.025	<0.10	0.44	4.1
SS 13	6/26/2014	23	8.33	8.09	28.44	<0.10	<0.025	0.12	0.52	5.4
SS 13	9/30/2014	12	7.41	4.26	24.77	<0.10	<0.025	<0.10	0.44	12.0
SS 13	11/19/2014	13	6.31	6.08	6.44	0.22	0.044	<0.10	0.40	4.8
SS 13	3/23/2015	16	7.33	8.57	15.40	0.22	0.029	<0.10	0.71	7.6
SS 13	4/22/2015	15	6.60	8.93	20.80	0.32	<0.025	<0.10	0.67	10.0
SS 13	9/30/2015	9	7.33	11.54	25.95	<0.10	<0.025	<0.10	0.52	9.0
SS 13	11/19/2015	36	7.07	18.48	15.31	0.24	<0.025	0.18	0.97	4.8
SS 13	3/15/2016	9	6.61	12.42	17.37	0.32	<0.025	<0.10	<0.25	4.7
SS 13	6/29/2016	10	7.86	6.15	30.60	<0.10	<0.025	<0.10	0.53	9.8

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.7 - ANALYTICAL DATA - SS 14

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
SS 14	3/12/2013	10	7.40	11.23	10.93	0.40	0.087	0.11	0.77	4.7
SS 14	5/8/2013	10	6.47	2.75	16.42	0.45	0.041	<0.10	0.53	5.0
SS 14	9/23/2013	3	6.76	6.49	21.77	0.38	0.036	<0.10	0.45	<2.5
SS 14	12/10/2013	18	5.63	11.33	8.56	0.28	0.160	0.19	0.66	9.2
SS 14	2/6/2014	12	4.19	17.56	5.16	0.62	0.074	<0.10	0.50	14.0
SS 14	6/26/2014	8	8.18	7.58	24.14	0.67	0.080	0.16	0.89	<2.5
SS 14	9/30/2014	8	7.42	3.67	22.35	<0.10	0.031	<0.10	0.52	6.1
SS 14	11/19/2014	16	6.27	7.50	5.48	0.75	0.075	0.22	0.46	9.2
SS 14	3/23/2015	21	7.75	9.53	16.50	0.27	0.110	0.14	1.10	11.0
SS 14	4/22/2015	12	7.43	12.29	17.50	0.62	<0.025	<0.10	0.58	6.3
SS 14	9/30/2015	7	7.16	12.79	24.02	<0.10	0.088	0.18	0.51	6.6
SS 14	11/19/2015	27	6.49	20.71	15.16	0.44	0.131	0.18	1.00	23.3
SS 14	3/15/2016	11	7.18	12.11	16.01	0.50	0.056	<0.10	0.83	8.1
SS 14	6/29/2016	6	7.62	3.61	27.20	<0.10	0.103	0.16	0.65	6.0

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.8 - ANALYTICAL DATA - GD 12

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 12	3/12/2013	9	7.41	10.93	13.43	0.25	0.030	<0.10	0.54	3.9
GD 12	5/8/2013	15	6.73	2.35	16.53	0.21	0.030	<0.10	0.40	7.5
GD 12	9/23/2013	10	6.76	3.94	26.07	<0.10	0.026	<0.10	0.48	9.0
GD 12	12/10/2013	19	6.15	10.09	10.18	0.22	0.079	0.11	0.45	5.9
GD 12	2/6/2014	12	4.17	16.99	5.76	0.31	<0.025	<0.10	0.28	3.9
GD 12	6/26/2014	29	8.38	9.40	26.72	0.11	0.035	0.12	0.62	32.0
GD 12	9/30/2014	11	7.68	5.77	24.68	<0.10	<0.025	<0.10	0.39	11.0
GD 12	11/19/2014	15	6.95	5.93	5.85	0.28	<0.025	0.13	0.39	6.6
GD 12	3/23/2015	18	7.80	9.56	16.80	0.24	<0.025	<0.10	0.59	8.1
GD 12	4/22/2015	17	7.45	11.04	19.80	0.25	<0.025	<0.10	0.43	14.0
GD 12	9/30/2015	7	7.30	11.07	24.67	<0.10	<0.025	<0.10	0.70	8.5
GD 12	11/19/2015	23	7.07	19.14	14.68	0.28	0.100	0.15	0.77	12.0
GD 12	3/15/2016	10	7.43	13.14	16.05	0.25	0.032	<0.10	0.43	4.6
GD 12	6/29/2016	13	8.22	7.68	31.20	<0.10	0.036	<0.10	0.38	12.0

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.9 - ANALYTICAL DATA - CO 14

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
CO 14	3/12/2013	8	6.88	9.65	12.92	0.32	<0.025	<0.10	0.42	3.5
CO 14	5/8/2013	13	6.61	3.02	16.37	0.34	<0.12	<0.10	0.74	6.7
CO 14	9/23/2013	15	6.70	3.78	22.58	<0.10	0.036	<0.10	0.30	9.6
CO 14	12/10/2013	14	5.82	11.15	9.37	0.11	0.027	<0.10	0.55	9.7
CO 14	2/6/2014	14	4.02	16.69	5.08	0.58	<0.025	<0.10	0.41	9.1
CO 14	6/26/2014	20	8.25	8.19	22.33	0.34	<0.025	<0.10	0.86	9.0
CO 14	9/30/2014	*	*	*	*	*	*	*	*	*
CO 14	11/19/2014	9.84	6.70	3.86	7.90	<0.10	<0.025	<0.10	0.26	2.8
CO 14	3/23/2015	19	6.85	8.78	17.20	0.25	<0.025	<0.10	0.67	10.0
CO 14	4/22/2015	14	6.23	11.19	18.00	0.49	<0.025	<0.10	0.60	8.6
CO 14	9/30/2015	*	*	*	*	*	*	*	*	*
CO 14	11/19/2015	24	6.64	16.06	15.25	<0.10	<0.025	<0.10	1.27	5.9
CO 14	3/15/2016	16	6.33	13.05	16.42	0.47	<0.025	<0.10	0.71	9.7
CO 14	6/29/2016	*	*	*	*	*	*	*	*	*

NTU - Nephelometric Turbidity Units

* - outfall was dry

mg/L - milligrams per liter

TABLE B.10 - ANALYTICAL DATA - SME 2

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
SME 2	3/12/2013	6	7.12	9.28	14.17	0.28	0.032	<0.10	0.47	8.1
SME 2	5/8/2013	26	7.67	6.46	21.40	0.24	0.042	<0.10	0.92	21.0
SME 2	9/23/2013	7	6.92	5.51	26.24	<0.10	0.039	<0.10	0.34	7.1
SME 2	12/10/2013	12	5.71	11.05	11.01	0.31	0.100	0.15	0.42	7.0
SME 2	2/6/2014	20	4.21	14.38	6.13	0.39	0.053	<0.10	0.59	14.0
SME 2	6/26/2014	15	8.16	7.22	26.98	0.11	<0.025	<0.10	0.38	8.7
SME 2	9/30/2014	6	7.97	5.33	26.53	<0.10	<0.025	<0.10	0.52	7.4
SME 2	11/19/2014	10	7.06	3.53	10.20	0.14	0.039	0.16	<0.25	6.8
SME 2	3/23/2015	11	7.96	9.34	17.60	0.24	<0.025	<0.10	0.45	10.0
SME 2	4/22/2015	9	7.93	11.46	24.50	0.13	<0.025	<0.10	0.48	9.1
SME 2	9/30/2015	7	7.62	12.67	25.91	0.10	<0.025	0.10	0.50	8.7
SME 2	11/19/2015	22	6.55	14.30	19.12	0.22	0.062	0.22	1.21	82.3
SME 2	3/15/2016	8	7.86	13.43	20.73	<0.10	<0.025	<0.10	0.49	6.3
SME 2	6/29/2016	8	8.23	7.24	30.40	0.19	<0.025	<0.10	0.29	8.0

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.11 - ANALYTICAL DATA - GD 6

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 6	3/12/2013	10	8.03	9.65	11.90	0.21	0.036	<0.10	0.29	5.8
GD 6	5/8/2013	19	6.81	2.35	19.02	0.23	0.033	<0.10	0.40	8.3
GD 6	9/23/2013	6	7.28	5.17	26.93	<0.10	<0.025	<0.10	0.36	5.8
GD 6	12/10/2013	26	5.98	11.41	10.64	0.37	0.041	<0.10	0.17	8.6
GD 6	2/6/2014	16	4.34	15.80	6.85	0.26	0.057	<0.10	0.16	5.5
GD 6	6/26/2014	14	8.31	8.95	27.29	<0.10	<0.025	<0.10	0.42	7.0
GD 6	9/30/2014	7	8.35	6.53	26.78	<0.10	<0.025	<0.10	0.55	7.0
GD 6	11/19/2014	13	7.17	3.36	9.67	0.22	<0.025	0.28	0.38	9.8
GD 6	3/23/2015	17	7.95	8.95	18.40	0.22	<0.025	<0.10	0.26	8.2
GD 6	4/22/2015	15	7.59	10.82	19.80	0.22	<0.025	<0.10	0.28	8.0
GD 6	9/30/2015	14	8.19	12.31	25.47	<0.10	<0.025	0.10	0.97	12.4
GD 6	11/19/2015	43	6.97	15.87	17.75	0.47	0.037	0.13	0.77	16.0
GD 6	3/15/2016	16	7.68	11.58	19.98	0.12	0.043	<0.10	0.50	7.9
GD 6	6/29/2016	10	8.86	9.64	31.50	<0.10	<0.025	<0.10	0.40	11.2

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.12 - ANALYTICAL DATA - CO 15

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
CO 15	3/12/2013	32	7.41	8.91	14.40	<0.10	0.097	<0.10	0.53	9.0
CO 15	5/8/2013	27	7.51	8.04	18.10	0.10	<0.12	<0.10	0.59	11.0
CO 15	9/23/2013	13	7.09	4.01	27.18	<0.10	0.027	<0.10	0.34	11.0
CO 15	12/10/2013	42	6.09	11.25	9.83	0.18	0.068	<0.10	0.56	13.0
CO 15	2/6/2014	32	4.22	16.10	6.28	0.21	<0.025	<0.10	0.46	12.0
CO 15	6/26/2014	105	8.16	7.00	25.55	<0.10	0.140	<0.10	0.59	46.0
CO 15	9/30/2014	8	7.88	6.67	23.28	<0.10	<0.025	<0.10	<0.25	8.6
CO 15	11/19/2014	44	7.38	3.68	9.43	0.20	0.030	<0.10	0.32	12.0
CO 15	3/23/2015	56	7.85	9.53	18.50	0.14	0.067	<0.10	0.61	19.0
CO 15	4/22/2015	26	7.62	10.14	21.90	0.14	<0.025	<0.10	0.40	11.0
CO 15	9/30/2015	15	7.68	12.73	22.88	<0.10	<0.025	<0.10	0.75	11.8
CO 15	11/19/2015	50	7.30	19.45	16.98	0.24	0.042	0.18	0.42	17.5
CO 15	3/15/2016	29	7.66	12.39	19.83	<0.10	<0.025	<0.10	0.78	12.4
CO 15	6/29/2016	*	*	*	*	*	*	*	*	*

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.13 - ANALYTICAL DATA - RC 14

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
RC 14	3/12/2013	28	8.23	7.53	10.30	<0.10	0.088	<0.10	0.61	21.0
RC 14	5/8/2013	30	6.72	1.78	21.40	0.14	<0.12	<0.10	0.63	16.0
RC 14	9/23/2013	18	7.86	6.68	24.70	<0.10	<0.025	<0.10	0.58	13.0
RC 14	12/10/2013	40	8.45	9.50	8.20	<0.10	0.100	0.11	0.69	16.0
RC 14	2/6/2014	67	7.15	10.94	4.90	0.16	0.036	0.11	0.70	18.0
RC 14	6/26/2014	6	8.21	6.30	*	<0.10	<0.025	<0.10	0.39	5.9
RC 14	9/30/2014	12	7.20	6.20	23.50	<0.10	<0.025	<0.10	0.40	12.0
RC 14	9/19/2014	50	8.20	10.10	7.50	<0.10	0.085	0.13	0.52	28.0
RC 14	3/23/2015	70	8.03	7.80	18.20	0.26	0.070	<0.10	1.10	34.0
RC 14	4/22/2015	30	7.77	7.25	18.10	0.20	<0.025	<0.10	0.40	15.0
RC 14	9/30/2015	17	8.28	5.63	24.40	<0.10	<0.025	<0.10	0.45	12.6
RC 14	11/19/2015	95	7.32	6.07	17.71	0.14	<0.025	0.14	0.63	36.0
RC 14	3/15/2016	85	8.13	7.73	18.50	0.11	<0.025	0.30	0.43	69.6
RC 14	6/29/2016	17	7.58	2.17	28.53	<0.10	0.037	<0.10	0.46	17.5

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.14 - ANALYTICAL DATA - SS 5

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
SS 5	3/12/2013	6	8.38	9.87	10.80	0.30	0.031	<0.10	0.39	7.2
SS 5	5/8/2013	24	7.38	7.19	16.80	0.16	<0.12	<0.10	0.62	21.0
SS 5	9/23/2013	14	8.00	5.44	25.80	<0.10	0.029	<0.10	1.30	15.0
SS 5	12/10/2013	23	8.25	9.10	7.70	0.24	0.043	0.11	0.67	13.0
SS 5	2/6/2014	28	7.20	12.09	5.40	0.39	<0.025	<0.10	0.86	12.0
SS 5	6/26/2014	11	8.53	7.01	*	<0.10	<0.025	<0.10	0.40	11.0
SS 5	9/30/2014	11	7.64	6.82	24.44	<0.10	<0.025	<0.10	0.45	11.0
SS 5	11/19/2014	14	8.96	13.13	8.50	<0.10	<0.025	<0.10	0.35	9.6
SS 5	3/23/2015	18	8.50	8.99	17.70	0.26	<0.025	<0.10	0.46	11.0
SS 5	4/22/2015	19	7.76	6.71	20.20	0.15	<0.025	<0.10	0.47	13.0
SS 5	9/30/2015	11	8.26	6.61	25.30	<0.10	<0.025	<0.10	0.61	9.9
SS 5	11/19/2015	19	7.86	8.47	15.90	0.24	<0.025	<0.10	<0.25	11.0
SS 5	3/15/2016	20.0	8.37	8.47	17.20	0.26	<0.025	0.23	0.28	9.5
SS 5	6/29/2016	15	8.01	3.81	29.77	<0.10	0.066	<0.10	0.48	13.2

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.15 - ANALYTICAL DATA - SME 1

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
SME 1	3/12/2013	13	8.19	8.26	13.10	0.54	0.110	0.11	0.34	16.0
SME 1	5/8/2013	24	7.64	8.96	16.00	0.15	0.063	<0.10	0.42	14.0
SME 1	9/23/2013	14	8.26	7.87	27.70	<0.10	0.053	<0.10	0.80	15.0
SME 1	12/10/2013	46	8.05	9.15	7.60	0.55	0.210	0.26	0.47	21.0
SME 1	2/6/2014	61	7.22	11.34	5.90	0.55	0.110	0.13	0.50	23.0
SME 1	6/26/2014	14	8.49	7.05	*	<0.10	<0.025	<0.10	0.31	13.0
SME 1	9/30/2014	28	8.25	7.46	24.67	<0.10	0.044	0.11	0.61	34.0
SME 1	11/19/2014	40	8.31	10.86	7.80	0.74	0.270	0.29	0.55	19.0
SME 1	3/23/2015	21	8.26	8.52	17.30	0.51	0.073	0.10	<0.25	14.0
SME 1	4/22/2015	29	7.14	7.97	18.50	0.40	0.039	<0.10	0.38	18.0
SME 1	9/30/2015	15	8.34	7.03	26.40	<0.10	0.052	0.14	0.81	15.3
SME 1	11/19/2015	50	7.92	7.04	15.90	0.40	0.084	0.13	<0.25	23.2
SME 1	3/15/2016	26	8.44	7.21	18.30	0.45	0.047	<0.10	<0.25	17.7
SME 1	6/29/2016	21	8.80	3.29	30.67	<0.10	0.180	0.25	0.62	20.3

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.16 - ANALYTICAL DATA - GD 9

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 9	2/6/2014	34	7.20	11.27	5.50	0.40	0.063	0.12	0.60	14.0
GD 9	6/26/2014	45	8.22	6.08	*	<0.10	0.029	0.12	0.41	34.0
GD 9	9/30/2014	12	8.30	6.93	24.61	<0.10	<0.025	<0.10	0.30	15.0
GD 9	11/19/2014	23	8.13	9.38	9.30	0.16	0.082	0.25	0.74	15.0
GD 9	3/23/2015	25	8.16	7.58	15.80	0.15	<0.025	<0.10	0.64	18.0
GD 9	4/22/2015	18	7.58	5.58	20.70	0.15	<0.025	<0.10	0.65	14.0
GD 9	9/30/2015	10	7.93	5.37	25.70	<0.10	<0.025	<0.10	0.64	10.8
GD 9	11/19/2015	40	7.67	*	16.50	0.25	0.096	0.12	<0.25	16.7
GD 9	3/15/2016	15	8.49	7.66	17.30	0.33	0.044	<0.10	<0.25	12.1
GD 9	6/29/2016	44	8.20	1.76	29.77	<0.10	<0.025	<0.10	0.65	67.2

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.17 - ANALYTICAL DATA - GD 7

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 7	3/12/2013	10	7.98	11.63	15.27	0.39	0.037	<0.10	0.31	8.8
GD 7	5/8/2013	26	7.72	7.46	18.40	0.24	0.063	<0.10	<0.56	20.0
GD 7	9/23/2013	11	7.05	6.31	26.50	<0.10	0.026	<0.10	0.54	9.6
GD 7	12/10/2013	42	8.02	9.68	7.50	0.34	0.084	0.11	0.32	40.0
GD 7	2/6/2014	28	7.27	13.32	4.40	0.52	0.034	<0.10	0.61	13.0
GD 7	6/26/2014	6	8.45	7.04	*	<0.10	<0.025	<0.10	0.52	8.7
GD 7	9/30/2014	12	7.87	6.32	24.39	<0.10	<0.025	<0.10	0.41	13.0
GD 7	11/19/2014	20	8.53	10.10	9.60	0.14	<0.025	0.13	0.46	15.0
GD 7	3/23/2015	13	8.28	8.87	15.40	0.27	<0.025	<0.10	0.35	10.0
GD 7	4/22/2015	28	7.99	6.40	20.20	0.24	<0.025	<0.10	0.47	24.0
GD 7	9/30/2015	8	7.89	5.18	24.90	<0.10	<0.025	<0.10	0.59	9.1
GD 7	11/19/2015	45	7.78	8.23	15.60	0.34	0.051	<0.10	<0.25	34.3
GD 7	3/15/2016	17	8.46	8.51	17.80	0.26	<0.025	<0.10	0.40	13.9
GD 7	6/29/2016	11	7.90	2.22	30.32	<0.10	0.048	<0.10	0.49	8.6

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.18 - ANALYTICAL DATA - GD 5

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 5	3/13/2013	12	8.33	9.29	10.20	0.26	<0.025	<0.10	0.34	9.6
GD 5	5/20/2013	14	8.28	7.76	22.60	<0.10	<0.025	<0.10	0.62	9.0
GD 5	9/23/2013	12	7.67	6.78	27.10	<0.10	0.027	<0.10	0.45	8.0
GD 5	12/10/2013	58	7.97	9.10	9.10	0.10	0.088	0.10	0.47	18.0
GD 5	2/6/2014	46	7.14	9.88	7.20	0.17	0.038	<0.10	0.37	17.0
GD 5	6/26/2014	17	7.90	6.54	*	<0.10	<0.025	<0.10	0.34	12.0
GD 5	9/30/2014	23	8.28	7.53	25.22	<0.10	<0.025	<0.10	<0.25	18.0
GD 5	11/19/2014	43	8.15	9.30	9.40	0.11	0.051	<0.10	0.43	26.0
GD 5	3/23/2015	24	8.14	8.58	15.90	0.12	<0.025	<0.10	0.34	15.0
GD 5	4/22/2015	25	7.81	7.78	21.70	0.14	<0.025	<0.10	0.65	13.0
GD 5	9/30/2015	18	8.03	6.27	26.30	<0.10	<0.025	0.12	0.56	17.3
GD 5	11/19/2015	90	7.63	7.34	16.60	0.17	0.042	<0.10	<0.25	42.8
GD 5	3/15/2016	24	8.80	7.47	19.40	<0.10	<0.025	<0.10	0.44	13.2
GD 5	6/29/169	21	8.02	2.27	30.37	<0.10	0.074	<0.10	0.49	15.0

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.19 - ANALYTICAL DATA - GD 3

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 3	3/13/2013	12	8.00	9.28	10.70	0.29	0.028	<0.10	0.44	11.0
GD 3	5/20/2013	12	8.09	7.01	23.40	0.15	0.026	<0.10	0.63	13.0
GD 3	9/23/2013	12	7.80	6.50	26.40	<0.10	0.025	<0.10	0.58	10.0
GD 3	12/10/2013	46	7.85	9.23	9.30	0.21	0.085	0.14	0.64	23.0
GD 3	2/6/2014	90	7.13	10.58	6.10	0.21	<0.025	0.12	0.68	27.0
GD 3	6/26/2014	15	8.13	8.00	*	0.12	<0.025	<0.10	0.40	14.0
GD 3	9/30/2014	20	8.11	6.69	25.06	<0.10	<0.025	<0.10	0.32	19.0
GD 3	11/19/2014	18	8.36	10.88	9.30	<0.10	<0.025	<0.10	0.26	15.0
GD 3	3/23/2015	13	8.32	7.84	16.50	0.22	<0.025	<0.10	0.34	10.0
GD 3	4/22/2015	26	7.86	6.74	20.60	0.18	0.079	<0.10	0.36	21.0
GD 3	9/30/2015	10	7.94	4.91	24.90	0.10	<0.025	0.13	0.74	11.5
GD 3	11/19/2015	40	7.61	7.74	16.00	0.25	<0.025	0.10	<0.25	22.0
GD 3	3/15/2016	26	8.04	8.62	18.70	0.42	0.071	<0.10	<0.25	11.7
GD 3	6/29/2016	6	7.84	2.78	29.94	<0.10	0.088	<0.10	<0.25	10.7

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.20 - ANALYTICAL DATA - SME 3

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
SME 3	3/13/2013	17	7.84	7.44	11.30	0.20	0.038	<0.10	0.69	15.0
SME 3	5/20/2013	19	8.11	6.09	23.60	0.17	0.028	<0.10	0.69	19.0
SME 3	9/23/2013	15		5.32	26.50	<0.10	0.029	<0.10	0.53	13.0
SME 3	12/10/2013	48	7.69	8.85	9.60	<0.10	0.086	<0.10	0.62	20.0
SME 3	2/6/2014	83	7.09	10.62	6.30	0.25	<0.025	<0.10	0.69	33.0
SME 3	6/26/2014	50	8.04	7.03	*	<0.10	0.047	<0.10	0.53	30.0
SME 3	9/30/2014	17	8.08	5.98	25.33	<0.10	<0.025	<0.10	0.66	18.0
SME 3	11/19/2014	22	8.30	10.40	9.30	0.12	0.035	<0.10	<0.25	19.0
SME 3	3/23/2015	25	8.13	7.72	21.20	0.24	0.026	<0.10	0.46	16.0
SME 3	4/22/2015	12	7.76	6.70	21.80	0.15	<0.025	<0.10	0.45	14.0
SME 3	9/30/2015	18	7.96	6.19	25.60	0.13	<0.025	0.13	0.42	24.4
SME 3	11/19/2015	65	7.56	7.44	15.80	0.25	0.032	<0.10	<0.25	37.8
SME 3	3/15/2016	68	8.35	7.51	19.20	0.30	<0.025	<0.10	<0.25	78.8
SME 3	6/29/2016	18	7.80	2.56	30.16	<0.10	0.062	<0.10	0.37	15.3

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.21 - ANALYTICAL DATA - HB 3

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
HB 3	3/12/2013	33	7.54	9.48	13.90	0.19	0.081	<0.10	0.83	49.0
HB 3	5/20/2013	15	8.21	6.82	27.80	0.17	<0.025	<0.10	0.60	17.0
HB 3	9/23/2013	21	8.02	4.89	25.70	<0.10	0.037	<0.10	0.60	19.0
HB 3	12/10/2013	48	7.90	8.65	10.10	<0.10	0.140	0.15	0.62	20.0
HB 3	2/6/2014	32	7.22	12.24	5.90	0.48	0.030	<0.10	0.37	13.0
HB 3	6/26/2014	12	8.20	7.12	*	<0.10	<0.025	<0.10	0.37	12.0
HB 3	9/30/2014	30	8.05	6.01	24.78	<0.10	<0.025	<0.10	0.48	30.0
HB 3	11/19/2014	56	7.85	8.83	8.80	0.11	0.098	0.12	0.44	51.0
HB 3	3/23/2015	27	8.21	8.40	24.20	0.26	<0.025	<0.10	0.46	35.0
HB 3	4/22/2015	25	7.91	8.36	21.90	0.20	<0.025	<0.10	0.66	22.0
HB 3	9/30/2015	22	7.89	5.05	25.70	<0.10	<0.025	<0.10	0.91	23.0
HB 3	11/19/2015	32	7.83	7.37	17.40	0.38	0.045	<0.10	<0.25	30.2
HB 3	3/15/2016	29	8.52	7.97	19.10	0.30	0.087	<0.10	<0.25	23.8
HB 3	6/29/2016	17	8.02	2.77	30.61	<0.10	<0.025	<0.10	0.51	20.9

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter



Appendix C

Laboratory Report No. L844361, dated July 13, 2016



ANALYTICAL REPORT



S&ME - Huntsville

Sample Delivery Group: Samples Received: Project Number: Description: L844361 06/30/2016 4482-15-010 Gadsden MS4

Report To:

Ms. Christa Collins 360 D Quality Circle NW Suite 450 Huntsville, AL 35806

Entire Report Reviewed By:

Jason Romer Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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RC14 5FT L844361-01 WW			Collected by E Kennedy	Collected date/time 06/29/16 09:45	Received date/time 06/30/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG886218	1	07/06/16 12:29	07/06/16 13:55	MMF
Wet Chemistry by Method 351.2	WG885449	1	07/02/16 13:23	07/06/16 14:36	IFR
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 00:56	07/07/16 00:56	ΔSK
Wet Chemistry by Method 365.4	WG885448	1	07/02/16 13:20	07/05/16 14:33	DR
Wet Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 12:37	06/30/16 12:37	MHM
SS5 5FT L844361-02 WW			Collected by E Kennedy	Collected date/time 06/29/16 10:30	Received date/time 06/30/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG886218	1	07/06/16 12:29	07/06/16 13:55	MMF
Wet Chemistry by Method 351 2	WG885449	1	07/02/16 13:23	07/06/16 14.37	IFR
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 00:57	07/07/16 00:57	Δςκ
Wet Chemistry by Method 365.4	WG885448	1	07/02/16 13:20	07/05/16 14:34	DR
Wet Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 12:38	06/30/16 12:38	МНМ
SME1 5FT L844361-03 WW			Collected by E Kennedy	Collected date/time 06/29/16 11:12	Received date/time 06/30/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	,
Gravimetric Analysis by Method 2540 D-2011	WG886218	1	07/06/16 12:29	07/06/16 13:55	MMF
Wet Chemistry by Method 351.2	WG885449	1	07/02/16 13:23	07/06/16 14:38	JER
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 00:58	07/07/16 00:58	ASK
Wet Chemistry by Method 365.4	WG885448	1	07/02/16 13:20	07/05/16 14:36	DR
Wet Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 12:39	06/30/16 12:39	MHM
GD9 5FT L844361-04 WW			Collected by E Kennedy	Collected date/time 06/29/16 11:22	Received date/time 06/30/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG886218	1	07/06/16 12:29	07/06/16 13:55	MMF
Net Chemistry by Method 351.2	WG885449	1	07/02/16 13:23	07/06/16 14:39	JER
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 00:59	07/07/16 00:59	ASK
Wet Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 17:45	DR
Net Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 12:44	06/30/16 12:44	MHM
GD7 5FT L844361-05 WW			Collected by E Kennedy	Collected date/time 06/29/16 11:31	Received date/time 06/30/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG886218	1	07/06/16 12:29	07/06/16 13:55	MMF
Net Chemistry by Method 351.2	WG885449	1	07/02/16 13:23	07/06/16 14:40	JER
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 01:06	07/07/16 01:06	ASK
Wet Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 17:47	DR

SDG: L844361 DATE/TIME: 07/13/16 15:15

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GD5 5FT L844361-06 WW			Collected by E Kennedy	Collected date/time 06/29/16 14:33	Received date/time 06/30/16 09:00
Method	Batch	Dilution	Preparation	Analysis date/time	Analyst
Gravimetric Analysis by Mathod 2540 D-2011	WC886218	1	07/06/16 12:29	07/06/16 13:55	MME
Wet Chemistry by Method 351.2	WG885449	1	07/02/16 13:23	07/06/16 14:44	ΔSK
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 01:07	07/07/16 01:07	ASK
Wet Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 17:49	DR
Wet Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 12:46	06/30/16 12:46	МНМ
GD3 5FT L844361-07 WW			Collected by E Kennedy	Collected date/time 06/29/16 14:55	Received date/time 06/30/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG886218	1	07/06/16 12:29	07/06/16 13:55	MMF
Net Chemistry by Method 3512	WG886497	1	07/06/16 19:30	07/07/16 13:07	IFR
Net Chemistry by Method 353.2	WG885082	1	07/07/16 01:08	07/07/16 01:08	ASK
Net Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 17:50	DR
Wet Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 12:53	06/30/16 12:53	MHM
SME3 5FT L844361-08 WW			Collected by E Kennedy	Collected date/time 06/29/16 14:47	Received date/time 06/30/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	,
Gravimetric Analysis by Method 2540 D-2011	WG886219	1	07/06/16 13:59	07/06/16 14:52	MMF
Net Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:09	JER
Vet Chemistry by Method 353.2	WG885082	1	07/07/16 01:09	07/07/16 01:09	ASK
Net Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 17:51	DR
Net Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 12:53	06/30/16 12:53	MHM
HB3 5FT L844361-09 WW			Collected by E Kennedy	Collected date/time 06/29/16 13:45	Received date/time 06/30/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG886219	1	07/06/16 13:59	07/06/16 14:52	MMF
Vet Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:10	JER
Vet Chemistry by Method 353.2	WG885082	1	07/07/16 01:10	07/07/16 01:10	ASK
Vet Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 17:55	DR
Wet Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 12:54	06/30/16 12:54	MHM
SME5 5FT L844361-10 WW			Collected by E Kennedy	Collected date/time 06/29/16 12:00	Received date/time 06/30/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	y
Gravimetric Analysis by Method 2540 D-2011	WG886219	1	07/06/16 13:59	07/06/16 14:52	MMF
Vet Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:12	JER
Vet Chemistry by Method 353.2	WG885082	1	07/07/16 01:12	07/07/16 01:12	ASK
	WG885646	1	07/05/16 08:42	07/05/16 17:56	DR
Wet Chemistry by Method 365.4	W00000+0				

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AT5 .5FT L844361-11 WW			Collected by E Kennedy	Collected date/time 06/29/16 09:50	Received date/time 06/30/16 09:00
Method	Batch	Dilution	Preparation	Analysis dato/timo	Analyst
Gravimetric Analysis by Mothed 2540 D 2011	WC886210	1	07/06/16 13:59	07/06/16 14:52	MME
Wat Chemistry by Method 351.2	WG886/97	1	07/06/16 19:30	07/07/16 13:16	IFP
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 01:17	07/07/16 01:17	ASK.
Wet Chemistry by Method 365.2	WG885646	1	07/05/16 08:42	07/05/16 17:58	DR
Wet Chemistry by Method 3500.4	WG88/821	1	06/30/16 12:54	06/30/16 12:54	МНМ
	W0001021	ľ	00/00/10 12:01	00/30/10 12:31	IVIT IIVI
GD8 L844361-12 WW			Collected by E Kennedy	Collected date/time 06/29/16 10:20	Received date/time 06/30/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG886219	1	07/06/16 13:59	07/06/16 14:52	MMF
Net Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:18	JER
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 01:18	07/07/16 01:18	ASK
Net Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 17:59	DR
Wet Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 12:56	06/30/16 12:56	MHM
RC2 .5FT L844361-13 WW			Collected by E Kennedy	Collected date/time 06/29/16 10:45	Received date/time 06/30/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	,
Gravimetric Analysis by Method 2540 D-2011	WG886219	1	07/06/16 13:59	07/06/16 14:52	MMF
Net Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:19	JER
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 01:19	07/07/16 01:19	ASK
Wet Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 18:00	DR
Net Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 12:57	06/30/16 12:57	MHM
SS13 5FT 844361-14 WW			Collected by E Kennedy	Collected date/time 06/29/16 11:15	Received date/time 06/30/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG886219	1	07/06/16 13:59	07/06/16 14:52	MMF
Net Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:20	JER
Net Chemistry by Method 353.2	WG885082	1	07/07/16 01:20	07/07/16 01:20	ASK
Vet Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 18:01	DR
Vet Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 12:58	06/30/16 12:58	MHM
SS14 .5FT L844361-15 WW			Collected by E Kennedy	Collected date/time 06/29/16 11:30	Received date/time 06/30/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG886219	1	07/06/16 13:59	07/06/16 14:52	MMF
	WG886497	1	07/06/16 19:30	07/07/16 13:21	JER
Wet Chemistry by Method 351.2		1	07/07/16 01.22	07/07/16 01:22	ASK
Wet Chemistry by Method 351.2 Wet Chemistry by Method 353.2	WG885082	1	0,,0,,,0,0,,	······································	
Wet Chemistry by Method 351.2 Wet Chemistry by Method 353.2 Wet Chemistry by Method 365.4	WG885082 WG885646	1	07/05/16 08:42	07/05/16 18:03	DR

SDG: L844361 DATE/TIME: 07/13/16 15:15

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SME4 EET 1 944261 16 M/M			Collected by E Kennedy	Collected date/time 06/29/16 13:30	Received date/time 06/30/16 09:00
31VIE4 .3F1 L644301-10 VVVV	D : 1	D.I			
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG886219	1	07/06/16 13:59	07/06/16 14:52	MMF
Wet Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:22	JER
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 01:23	07/07/16 01:23	ASK
Wet Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 18:04	DR
Net Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 12:59	06/30/16 12:59	MHM
			Collected by	Collected date/time	Received date/time
GD12 .5FT L844361-17 WW			E Kennedy	06/29/16 14:00	06/30/16 09:00
Nethod	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG886219	1	07/06/16 13:59	07/06/16 14:52	MMF
Vet Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:24	JER
Net Chemistry by Method 353.2	WG885082	1	07/07/16 01:25	07/07/16 01:25	ASK
Vet Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 18:05	DR
Vet Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 13:00	06/30/16 13:00	MHM
			Collected by	Collected date/time	Received date/time
SME2 .5FT L844361-18 WW			E Kennedy	06/29/16 13:00	06/30/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG886219	1	07/06/16 13:59	07/06/16 14:52	MMF
Vet Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:27	JER
Vet Chemistry by Method 353.2	WG885082	1	07/07/16 01:30	07/07/16 01:30	ASK
Vet Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 18:09	DR
Vet Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 13:02	06/30/16 13:02	MHM
GD6 .5FT L844361-20 WW			Collected by E Kennedy	Collected date/time 06/29/16 15:00	Received date/time 06/30/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG886219	1	07/06/16 13:59	07/06/16 14:52	MMF
Vet Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:31	JER
Vet Chemistry by Method 353.2	WG885082	1	07/07/16 01:31	07/07/16 01:31	ASK
Vet Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 18:10	DR
			0.0/0.0/40.45.00	00/00/40 45 00	

CASE NARRATIVE

*

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jason Romer Technical Service Representative

¹ Cp
² Tc
³ Ss
⁴ Cn
-
°Sr
ိရင
⁷ Gl
ÅI
0
Sc

SDG: L844361 **PAGE**: 7 of 40

RC14 5FT Collected date/time: 06/29/16 C	9:45		SAMPLE	RES 184436	ULTS - 01	ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by I	Method 25	40 D-201	1				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	17.5		2.50	1	07/06/2016 13:55	WG886218	Tc
Wet Chemistry by Metho	od 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 Cn
Kjeldahl Nitrogen, TKN	0.459	B	0.250	1	07/06/2016 14:36	WG885449	СП
Wet Chemistry by Metho	od 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	C
Analyte	mg/l		mg/l		date / time		°Qc
Nitrate-Nitrite	ND		0.100	1	07/07/2016 00:56	WG885082	
Mot Chamistry by Mathe	d 265 /						⁷ Gl
	Ju 303.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	⁸ Al
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	ND		0.100	1	07/05/2016 14:33	<u>WG885448</u>	⁰Sc
Wet Chemistry by Metho	d 4500P E	-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	0.0370		0.0250	1	06/30/2016 12:37	WG884821

SS5 5FT Collected date/time: 06/29/16 1	10:30		SAMPLE	RES 184436	ULTS - 02	ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by	Method 25	40 D-20	11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	13.2		2.50	1	07/06/2016 13:55	<u>WG886218</u>	Tc
Wet Chemistry by Metho	od 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	00
Analyte	mg/l		mg/l		date / time	—	⁴ Cn
Kjeldahl Nitrogen, TKN	0.482	В	0.250	1	07/06/2016 14:37	WG885449	Cn
Wet Chemistry by Metho	od 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	C
Analyte	mg/l		mg/l		date / time		°Qc
Nitrate-Nitrite	ND		0.100	1	07/07/2016 00:57	WG885082	
Wet Chemistry by Metho	od 365.4						⁷ Gl
	Result	Qualifier	RDI	Dilution	Δnalvsis	Batch	8
Analyte	mg/l	quanner	mg/l	Shadoli	date / time		A
Phosphorus,Total	ND		0.100	1	07/05/2016 14:34	WG885448	9
							Sc
Wet Chemistry by Metho	od 4500P E	-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	0.0660		0.0250	1	06/30/2016 12:38	WG884821

SME1 5FT Collected date/time: 06/29/16	11:12		SAMPLE	RES 184436	ULTS - 03 1	ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by	Method 25	40 D-20	11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	20.3		2.50	1	07/06/2016 13:55	<u>WG886218</u>	Tc
Wet Chemistry by Metho	od 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 Cn
Kjeldahl Nitrogen, TKN	0.618	B	0.250	1	07/06/2016 14:38	<u>WG885449</u>	
Wet Chemistry by Metho	od 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	<u> </u>
Analyte	mg/l		mg/l		date / time		°Qc
Nitrate-Nitrite	ND		0.100	1	07/07/2016 00:58	WG885082	
Wet Chemistry by Metho	od 365.4						⁷ Gl
	Posult	Qualifier	וחפ	Dilution	Analysis	Batch	8
Analyte	ma/l	Quaimer	ma/l	Diation	date / time	bach	A
Phosphorus,Total	0.245		0.100	1	07/05/2016 14:36	WG885448	9
Wet Chemistry by Metho	od 4500P E	E-2011					SC

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	0.180		0.0250	1	06/30/2016 12:39	WG884821

GD9 5FT Collected date/time: 06/	29/16 11:22		SAMPLE	L84436	ULTS - 04	ONE LAB. NATIONWID	E. 🧮
Gravimetric Analysi	is by Method 2	2540 D-20	011				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	– Cp
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	67.2	<u>13</u>	2.50	1	07/06/2016 13:55	<u>WG886218</u>	Тс
Wet Chemistry by M	Method 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		⁴ Cn
Kjeldahl Nitrogen, TKN	0.646		0.250	1	07/06/2016 14:39	WG885449	CI
Wet Chemistry by M	Method 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		ČQc
Nitrate-Nitrite	ND		0.100	1	07/07/2016 00:59	WG885082	
Wet Chemistry by N	Method 365.4						⁷ Gl
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		AI
Phosphorus, Total	ND		0.100	1	07/05/2016 17:45	WG885646	9
Wet Chemistry by N	Method 4500F	P E-2011					Sc

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	06/30/2016 12:44	WG884821

GD7 5FT Collected date/time: 06/29/16 11:31			SAMPLE	RES	ULTS - 05	ONE LAB. NATIONWIDI	E. 🗮
Gravimetric Analys	sis by Method 2	2540 D-20	11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	– Cp
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	8.55		2.50	1	07/06/2016 13:55	WG886218	Тс
Wet Chemistry by I	Method 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		⁴ Cn
Kjeldahl Nitrogen, TKN	0.493	B	0.250	1	07/06/2016 14:40	<u>WG885449</u>	
Wet Chemistry by I	Method 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		[°] Qc
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:06	WG885082	
Wet Chemistry by I	Method 365.4						⁷ Gl
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		A
Phosphorus,Total	ND		0.100	1	07/05/2016 17:47	<u>WG885646</u>	9
Wet Chemistry by I	Method 4500F	P E-2011					50

	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Phosphate,Ortho	0.0480		0.0250	1	06/30/2016 12:45	WG884821	
GD5 5FT	29/16 14:33		SAMPLE	RES	ULTS - 06	ONE LAB. NATIONWID!	E. 💥
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Gravimetric Analysi	is by Method 2	2540 D-20 [°]	11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	– Cp
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	15.0		2.50	1	07/06/2016 13:55	WG886218	⁻Tc
Wet Chemistry by N	Method 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		⁴ Cn
Kjeldahl Nitrogen, TKN	0.488	B	0.250	1	07/06/2016 14:44	<u>WG885449</u>	
Wet Chemistry by M	Method 353.2						⁵ Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		ို့ဝင
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:07	<u>WG885082</u>	
Mat Chamistry by	Acthod 26E /						⁷ Gl
Wet Chemistry by h	vietnoù 505.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	⁸ Al
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	ND		0.100	1	07/05/2016 17:49	<u>WG885646</u>	9
Wat Chamistry by N	Acthod 4500E	P E_2011					50
wet Chemistry Dy h		L-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	0.0740		0.0250	1	06/30/2016 12:46	WG884821

GD3 5FT Collected date/time: 06/	29/16 14:55		SAMPLE	RES	ULTS - 07		ONE LAB. NATIONWIDE.	*
Gravimetric Analysi	is by Method 2	2540 D-20	11					1
	Result	Qualifier	RDL	Dilution	Analysis	Batch		Ср
Analyte	mg/l		mg/l		date / time			2
Suspended Solids	10.7		2.50	1	07/06/2016 13:55	WG886218		Тс
Wet Chemistry by N	Method 351.2							³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch		
Analyte	mg/l		mg/l		date / time			⁴ Cn
Kjeldahl Nitrogen, TKN	ND	<u>P1</u>	0.250	1	07/07/2016 13:07	<u>WG886497</u>		CII
Wet Chemistry by N	Method 353.2							⁵ Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch		6
Analyte	mg/l		mg/l		date / time			[°] Qc
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:08	WG885082		
Wet Chemistry by N	Method 365.4							⁷ Gl
	Result	Qualifier	RDL	Dilution	Analysis	Batch		8
Analyte	mg/l		mg/l		date / time			AI
Phosphorus,Total	ND		0.100	1	07/05/2016 17:50	WG885646		⁹ Sc
Wet Chemistry by N	Method 4500F	P E-2011						

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	0.0880		0.0250	1	06/30/2016 12:53	WG884821

SME3 5FT Collected date/time: 06/	29/16 14:47		SAMPLE	RES	ULTS - 08	ONE LAB. NATIONWIDE.	*
Gravimetric Analysi	is by Method 2	2540 D-20)11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	15.3		2.50	1	07/06/2016 14:52	<u>WG886219</u>	Tc
Wet Chemistry by N	Method 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		⁴ Cn
Kjeldahl Nitrogen, TKN	0.366		0.250	1	07/07/2016 13:09	WG886497	
Wet Chemistry by N	Method 353.2						⁵ Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	C
Analyte	mg/l		mg/l		date / time		°Qc
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:09	WG885082	-
							⁷ Gl
Wet Chemistry by N	Method 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		AI
Phosphorus,Total	ND		0.100	1	07/05/2016 17:51	WG885646	9
							Sc
Wet Chemistry by N	Method 4500F	PE-2011					L

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	0.0620		0.0250	1	06/30/2016 12:53	WG884821

SDG: L844361

HB3 5FT Collected date/time: 06/	29/16 13:45		SAMPLE	E RES	ULTS - 09	ONE LAB. NATIONWIDE.	*
Gravimetric Analysi	s by Method 2	2540 D-20	11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	20.9		2.50	1	07/06/2016 14:52	WG886219	Tc
Wet Chemistry by N	Nethod 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		⁴ Cn
Kjeldahl Nitrogen, TKN	0.509		0.250	1	07/07/2016 13:10	WG886497	CII
Wet Chemistry by N	Nethod 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	G
Analyte	mg/l		mg/l		date / time		[°] Qc
Nitrate-Nitrite	ND	J6	0.100	1	07/07/2016 01:10	WG885082	
Wat Chamistry by N	Acthod 365 /						⁷ Gl
Wet Chemistry by N	Decelt	0	DDI	Dilution	A	Detek	0
Analyto	Result	Qualifier	RDL mg/l	Dilution	Analysis dato / timo	Batch	°AI
Phoenhorus Total	ND		0.100	1	07/05/2016 17:55	WC885646	
i nospholus, i otal	שא		0.100	I	07/03/2010 17:55	W0005040	°Sc
Wet Chemistry by N	Nethod 4500F	P E-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	06/30/2016 12:54	<u>WG884821</u>

SME5 5FT Collected date/time: 06/2	29/16 12:00		SAMPLE	E RES	SULTS - 10	ONE LAB. NATIONWIDE.	*
Gravimetric Analysis	s by Method 2	2540 D-20)11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	19.6		2.50	1	07/06/2016 14:52	<u>WG886219</u>	Тс
Wet Chemistry by M	lethod 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		⁴ Cn
Kjeldahl Nitrogen, TKN	0.503	<u>J6</u>	0.250	1	07/07/2016 13:12	WG886497	СП
Wet Chemistry by M	lethod 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	C
Analyte	mg/l		mg/l		date / time		°Qc
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:12	WG885082	
Wet Chemistry by M	lethod 365.4						⁷ Gl
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		AI
Phosphorus,Total	ND		0.100	1	07/05/2016 17:56	WG885646	9
							Sc
Wet Chemistry by M	lethod 4500F	PE-2011					L

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	0.0270		0.0250	1	06/30/2016 12:54	WG884821

Phosphate,Ortho

0.598

SAMPLE RESULTS - 11

*

	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Suspended Solids	14.5		2.50	1	07/06/2016 14:52	WG886219	
Wet Chemistry by N	Nethod 351.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Kjeldahl Nitrogen, TKN	ND		0.250	1	07/07/2016 13:16	WG886497	
Wet Chemistry by N	Method 353.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	0.804		0.100	1	07/07/2016 01:17	WG885082	
Wet Chemistry by N	Aethod 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	0.705		0.100	1	07/05/2016 17:58	WG885646	
Wet Chemistry by N	Nethod 4500F	P E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	ma/l		ma/l		date / time		

0.0250

1

06/30/2016 12:54

WG884821

Phosphate,Ortho

ND

SAMPLE RESULTS - 12

*

	s by Method .	2340 D-20					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Suspended Solids	39.8		2.50	1	07/06/2016 14:52	WG886219	
Wet Chemistry by N	Method 351.2						:
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		ſ
Kjeldahl Nitrogen, TKN	0.452		0.250	1	07/07/2016 13:18	WG886497	
Wet Chemistry by N	Nethod 353.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:18	WG885082	L
Wet Chemistry by N	Aethod 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Phosphorus, Total	ND		0.100	1	07/05/2016 17:59	WG885646	L
Wet Chemistry by N	Nethod 4500	⊃ E-2011					L
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

06/30/2016 12:56

WG884821

0.0250

1

RC2 .5FT	29/16 10:45		SAMPL	-E RES	ULTS - 13		C
Gravimetric Analysi	s by Method 2	2540 D-20	11				
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Suspended Solids	10.9		2.50	1	07/06/2016 14:52	WG886219	
Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch	
Analyte	mg/l		mg/l	1	date / time	WC886407	
Kjeldani Milogen, TKN	0.547		0.230	I	0//0//2010 13.19	W0880497	
Wet Chemistry by N	Method 353.2						
Wet Chemistry by N	Nethod 353.2 Result	Qualifier	RDL	Dilution	Analysis	Batch	
Wet Chemistry by N	Method 353.2 Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch	
Wet Chemistry by N Analyte Nitrate-Nitrite	Method 353.2 Result mg/l ND	Qualifier	RDL mg/l 0.100	Dilution 1	Analysis date / time 07/07/2016 01:19	Batch WG885082	

Wet Chemistry by Method 365.4

	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		AI
Phosphorus, Total	ND		0.100	1	07/05/2016 18:00	<u>WG885646</u>	⁹ Sc

Wet Chemistry by Method 4500P E-2011

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	0.0770		0.0250	1	06/30/2016 12:57	WG884821

Ср

Тс

Ss

Cn

Qc

GI

SS13 Collected	.5FT date/time:	06/29/16	11:15		
Gravim	etric Ana	lysis by	Method	2540	[

ND

Phosphate,Ortho

SAMPLE RESULTS - 14



Gravimetric Analysi	s by Method 2	2540 D-20	11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	9.80		2.50	1	07/06/2016 14:52	WG886219	ĹΤc
Wet Chemistry by N	Nethod 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		⁴ Cr
Kjeldahl Nitrogen, TKN	0.528		0.250	1	07/07/2016 13:20	WG886497	
Wet Chemistry by N	Nethod 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		ŰQ(
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:20	WG885082	7
Wet Chemistry by N	Nethod 365.4						Í GI
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		AI
Phosphorus,Total	ND		0.100	1	07/05/2016 18:01	WG885646	9
Wet Chemistry by N	Nethod 4500	^D E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

06/30/2016 12:58

WG884821

0.0250

1

SS14 .5FT Collected date/time: 06/2	29/16 11:30		SAMPI	LE RES	ULTS - 15		ONE LAB. NATIONWIDE.	*
Gravimetric Analysis	s by Method 2	2540 D-20	11					1
	Result	Qualifier	RDL	Dilution	Analysis	Batch		Ср
Analyte	mg/l		mg/l		date / time			2
Suspended Solids	6.00		2.50	1	07/06/2016 14:52	WG886219		Tc
Wet Chemistry by M	1ethod 351.2							³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch		
Analyte	mg/l		mg/l		date / time			4 Cn
Kjeldahl Nitrogen, TKN	0.648		0.250	1	07/07/2016 13:21	<u>WG886497</u>		СП
Wet Chemistry by M	lethod 353.2							⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch		6
Analyte	mg/l		mg/l		date / time			[°] Qc
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:22	WG885082		
Wet Chemistry by M	1ethod 365.4							⁷ Gl
	Result	Qualifier	RDL	Dilution	Analysis	Batch		8
Analyte	mg/l		mg/l		date / time			AI
Phosphorus,Total	0.162		0.100	1	07/05/2016 18:03	WG885646		°SC
Wet Chemistry by M	lethod 4500F	PE-2011						

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	0.103		0.0250	1	06/30/2016 12:58	<u>WG884821</u>

SME4 .5FT Collected date/time: 06/29/16 13:30		SAMPLE RESULTS - 16		SULTS - 16	ONE LAB. NATIONWIDE.	*	
Gravimetric Analysi	is by Method 2	2540 D-20 [°]	11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Cp
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	8.00		2.50	1	07/06/2016 14:52	WG886219	⁻Tc
Wet Chemistry by N	Method 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		⁴ Cn
Kjeldahl Nitrogen, TKN	0.318		0.250	1	07/07/2016 13:22	WG886497	CI
Wet Chemistry by M	Method 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	C
Analyte	mg/l		mg/l		date / time		[°] Qc
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:23	WG885082	
							⁷ Gl
Wet Chemistry by N	Method 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	ND		0.100	1	07/05/2016 18:04	WG885646	9
							50
Wet Chemistry by N	Method 4500F	⁻ E-2011				I	L

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	06/30/2016 12:59	WG884821

SAMPLE RESULTS - 17



	Result	Qualifier	RDI	Dilution	Analysis	Batch	
Analyte	mg/l	quanter	mg/l	Dilation	date / time	Baten	
Suspended Solids	12.0		2.50	1	07/06/2016 14:52	WG886219	
Wet Chemistry by N	Method 351.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Kjeldahl Nitrogen, TKN	0.375		0.250	1	07/07/2016 13:24	WG886497	
Wet Chemistry by N	Method 353.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:25	<u>WG885082</u>	
Wet Chemistry by N	Method 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	ND		0.100	1	07/05/2016 18:05	WG885646	
Wet Chemistry by N	Method 4500	⊃ E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	

Analyte	mg/l	mg/l		date / time
Phosphate,Ortho	0.0360	0.0250	1	06/30/2016 13:00

WG884821

SME2 .5FT Collected date/time: 06/2	29/16 13:00		SAMPLE	RES	SULTS - 18	ONE LAB. NATIONWIDE.	*
Gravimetric Analysi	s by Method 2	2540 D-20	11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	8.00		2.50	1	07/06/2016 14:52	<u>WG886219</u>	Tc
Wet Chemistry by N	Nethod 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 Cr
Kjeldahl Nitrogen, TKN	0.288	<u>J6</u>	0.250	1	07/07/2016 13:27	WG886497	
Wet Chemistry by N	Nethod 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		[°] Q0
Nitrate-Nitrite	0.189		0.100	1	07/07/2016 01:30	WG885082	
							⁷ Gl
Wet Chemistry by N	Aethod 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		
Phosphorus, Total	ND		0.100	1	07/05/2016 18:09	WG885646	9
							50
wet Chemistry by N	vietnoa 4500F	- E-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	06/30/2016 13:02	WG884821

GD6 .5FT Collected date/time: 06/	29/16 15:00		SAMPLE	RES	ULTS - 20	ONE LAB. NATIONWIDE.	*
Gravimetric Analysi	is by Method 2	2540 D-20)11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	11.2		2.50	1	07/06/2016 14:52	WG886219	Тс
Wet Chemistry by N	Method 351.2						³Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 Cn
Kjeldahl Nitrogen, TKN	0.400		0.250	1	07/07/2016 13:31	WG886497	
Wet Chemistry by N	Method 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	G
Analyte	mg/l		mg/l		date / time		°Qc
Nitrate-Nitrite	ND	J6	0.100	1	07/07/2016 01:31	WG885082	
Mot Chamistry by	Acthod 265 1						⁷ Gl
wet Chemistry by N	vietnoù 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	⁸ Al
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	ND		0.100	1	07/05/2016 18:10	<u>WG885646</u>	9
	4						SC
Wet Chemistry by N	viethod 4500F	² E-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	06/30/2016 15:26	WG884835

Gravimetric Analysis by Method 2540 D-2011

QUALITY CONTROL SUMMARY L844361-01,02,03,04,05,06,07

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Method Blank (MB)

(MB) R3148060-1 07/06/1	6 13:55			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Suspended Solids	U		0.350	2.50

L844276-02 Original Sample (OS) • Duplicate (DUP)

(OS) L844276-02 07/06	6/16 13:55 • (DUP)	R3148060-4	07/06/16 1	3:55		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Suspended Solids	133	121	1	8.99	<u>J3</u>	5

L844361-04 Original Sample (OS) • Duplicate (DUP)

L844301-04 Origina	a Sample (03) • Dupi	icate (L	JOF)			7
(OS) L844361-04 07/06/16	5 13:55 • (DUP)	R3148060-5 (07/06/16 1	3:55			GI
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits	
Analyte	mg/l	mg/l		%		%	⁸ Al
Suspended Solids	67.2	71.2	1	5.78	J3	5	

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3148060-2 07/06/1	6 13:55 • (LCSE	D) R3148060-3	07/06/16 13:5	5						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Suspended Solids	773	792	800	102	103	85.0-115			1.01	5

SDG: L844361

DATE/TIME: 07/13/16 15:15

Gravimetric Analysis by Method 2540 D-2011

QUALITY CONTROL SUMMARY L844361-08.09,10,11,12,13,14,15,16,17,18,20

Τс

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Method Blank (MB)

(MB) R3148061-1 07/06/16	6 14:52			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Suspended Solids	U		0.350	2.50

L844375-01 Original Sample (OS) • Duplicate (DUP)

(OS) L844375-01 07/06/16	6 14:52 • (DUP) I	R3148061-4 0	7/06/16 14	:52		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Suspended Solids	160	146	1	8.98	J3	5

L844383-02 Original Sample (OS) • Duplicate (DUP)

		(/			7
(OS) L844383-02 07/06/1	6 14:52 • (DUP)	R3148061-5 C	7/06/16 14	4:52			GI
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits	
Analyte	mg/l	mg/l		%		%	⁸ Al
Suspended Solids	32.9	34.0	1	3.42		5	

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3148061-2 07/06/16	6 14:52 • (LCSD) R3148061-3 (07/06/16 14:52							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Suspended Solids	773	800	800	103	103	85.0-115			0.000	5

DATE/TIME: 07/13/16 15:15

Wet Chemistry by Method 351.2

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3147832-1 07/06/16	6 14:03			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Kjeldahl Nitrogen, TKN	0.0631	<u>B J</u>	0.0350	0.250

L844270-02 Original Sample (OS) • Duplicate (DUP)

(OS) L844270-02 07/06/	16 14:13 • (DUP)	R3147832-4 0	7/06/16 14	l:14						
Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD Limits										
Analyte	mg/l	mg/l		%		%				
Kjeldahl Nitrogen, TKN	ND	ND	1	0.000		20				

L844344-03 Original Sample (OS) • Duplicate (DUP)

(OS) L844344-03 07/06/16	ios) L844344-03 07/06/16 14:26 • (DUP) R3147832-7 07/06/16 14:27										
Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD Limits											
Analyte	mg/l	mg/l		%		%					
Kjeldahl Nitrogen, TKN	ND	ND	1	0.000		20					

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3147832-2 07/06/16 14:04 • (LCSD) R3147832-3 07/06/16 14:06												
Spike Amount LCS Result LCSD Result LCS Rec. LCSD Rec. Rec. Limits LCS Qualifier LCSD Qualifier RPD RPD Limits												
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%		
Kjeldahl Nitrogen, TKN	17.6	16.5	16.3	94.0	93.0	90.0-110			1.00	20		

L844344-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L844344-01 07/06/16 14:21 • (MS) R3147832-5 07/06/16 14:22 • (MSD) R3147832-6 07/06/16 14:24												
Spike Amount Original Result MS Result MS Result MS Rec. MSD Rec. Dilution Rec. Limits MS Qualifier MSD Qualifier RPD RPD Limits												
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Kjeldahl Nitrogen, TKN	5.00	ND	4.38	4.22	85.0	82.0	1	90.0-110	J6	J6	4.00	20

L844344-05 Original Sample (OS) • Matrix Spike (MS)

(OS) L844344-05 07/06/16	5 14:32 • (MS) R	3147832-8 07	/06/16 14:33				
	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Kieldahl Nitrogen, TKN	5.00	ND	4 16	81.0	1	90.0-110	

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Wet Chemistry by Method 351.2

QUALITY CONTROL SUMMARY L844361-07,08,09,10,11,12,13,14,15,16,17,18,20

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Method Blank (MB)

(MB) R3148134-1 07/07/16	13:02			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Kjeldahl Nitrogen, TKN	U		0.0350	0.250

L844361-07 Original Sample (OS) • Duplicate (DUP)

(OS) L844361-07 07/07/16	6 13:07 • (DUP) F	R3148134-4 07	7/07/16 13:	08						
Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD Limits										
Analyte	mg/l	mg/l		%		%				
Kjeldahl Nitrogen, TKN	ND	0.461	1	171	<u>P1</u>	20				

L844392-05 Original Sample (OS) • Duplicate (DUP)

(OS) L844392-05 07/07/16	OS) L844392-05 07/07/16 13:41 • (DUP) R3148134-8 07/07/16 13:43											
Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD Limits												
Analyte	mg/l	mg/l		%		%						
Kjeldahl Nitrogen, TKN	1.93	1.49	1	26.0	J3	20						

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3148134-2 07/07/16 13:03 • (LCSD) R3148134-3 07/07/16 13:04												
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits		
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%		
Kjeldahl Nitrogen, TKN	17.6	15.9	16.5	90.0	94.0	90.0-110			4.00	20		

L844361-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L844361-10 07/07/16	13:12 • (MS) R31	148134-5 07/07	7/16 13:13								
Spike Amount Original Result MS Result MS Rec. Dilution Rec. Limits MS Qualifier											
Analyte	mg/l	mg/l	mg/l	%		%					
Kjeldahl Nitrogen, TKN	5.00	0.503	4.89	88.0	1	90.0-110	<u>J6</u>				

L844361-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L844361-18 07/07/16 13:27 • (MS) R3148134-6 07/07/16 13:28 • (MSD) R3148134-7 07/07/16 13:30												
Spike Amount Original Result MS Result MS Result MS Rec. MSD Rec. Dilution Rec. Limits MS Qualifier MSD Qualifier RPD RPD Limits												
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Kjeldahl Nitrogen, TKN	5.00	0.288	4.80	4.70	90.0	88.0	1	90.0-110		<u>J6</u>	2.00	20

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Wet Chemistry by Method 353.2

QUALITY CONTROL SUMMARY 1844361-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,20

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Method Blank (MB)

MB) R3147917-1 07/07/16 00:51							
	MB Result	MB Qualifier	MB MDL	MB RDL			
Analyte	mg/l		mg/l	mg/l			
Nitrate-Nitrite	U		0.0197	0.100			

L844361-04 Original Sample (OS) • Duplicate (DUP)

(OS) L844361-04 07/07/16	OS) L844361-04 07/07/16 00:59 • (DUP) R3147917-4 07/07/16 01:05											
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits						
Analyte	mg/l	mg/l		%		%						
Nitrate-Nitrite	ND	ND	1	0.000		20						

L844361-14 Original Sample (OS) • Duplicate (DUP)

(OS) L844361-14 07/07/16	OS) L844361-14 07/07/16 01:20 • (DUP) R3147917-6 07/07/16 01:21												
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits							
Analyte	mg/l	mg/l		%		%							
Nitrate-Nitrite	ND	ND	1	0.000		20							

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3147917-2 07/07/16	LCS) R3147917-2 07/07/16 00:52 • (LCSD) R3147917-3 07/07/16 00:53													
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits				
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%				
Nitrate-Nitrite	5.00	4.89	5.07	98.0	101	90.0-110			4.00	20				

L844361-09 Original Sample (OS) • Matrix Spike (MS)

(OS) L844361-09 07/07/16	OS) L844361-09 07/07/16 01:10 • (MS) R3147917-5 07/07/16 01:11												
	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier						
Analyte	mg/l	mg/l	mg/l	%		%							
Nitrate-Nitrite	5.00	ND	4.26	84.0	1	90.0-110	<u>J6</u>						

L844361-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L844361-20 07/07/16	OS) L844361-20 07/07/16 01:31 • (MS) R3147917-7 07/07/16 01:32 • (MSD) R3147917-8 07/07/16 01:33												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%	
Nitrate-Nitrite	5.00	ND	4.67	4.35	93.0	86.0	1	90.0-110		<u>J6</u>	7.00	20	

ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
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Wet Chemistry by Method 365.4

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3147548-1 07/05/16 13:56								
	MB Result	MB Qualifier	MB MDL	MB RDL				
Analyte	mg/l		mg/l	mg/l				
Phosphorus, Total	U		0.0350	0.100				

L844309-06 Original Sample (OS) • Duplicate (DUP)

(OS) L844309-06 07/05/16 14:18 • (DUP) R3147548-6 07/05/16 14:19											
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits					
Analyte	mg/l	mg/l		%		%					
Phosphorus, Total	ND	ND	1	0.000		20					

L844309-08 Original Sample (OS) • Duplicate (DUP)

(OS) L844309-08 07/05/1	OS) L844309-08 07/05/16 14:25 • (DUP) R3147548-7 07/05/16 14:27												
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits							
Analyte	mg/l	mg/l		%		%							
Phosphorus, Total	ND	ND	1	0.000		20							

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3147548-2 07/05/1	(LCS) R3147548-2 07/05/16 13:57 • (LCSD) R3147548-3 07/05/16 13:59													
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits				
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%				
Phosphorus, Total	1.00	1.00	1.02	100	102	90.0-110			2.00	20				

L844309-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L844309-03 07/05/16	JS) L844309-03 07/05/16 14:11 • (MS) R3147548-4 07/05/16 14:13 • (MSD) R3147548-5 07/05/16 14:14												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%	
Phosphorus, Total	2.50	ND	2.13	2.12	85.0	85.0	1	90.0-110	<u>J6</u>	<u>J6</u>	0.000	20	

ACCOUNT:	
S&ME - Huntsville	

PROJECT: 4482-15-010

SDG: L844361 DATE/TIME: 07/13/16 15:15 PAGE: 32 of 40

Wet Chemistry by Method 365.4

QUALITY CONTROL SUMMARY L844361-04.05.06.07.08.09.10.11.12.13.14.15.16.17.18.20

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Method Blank (MB)

(MB) R3147607-1 07/05/16	6 17:40			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Phosphorus,Total	U		0.0350	0.100

L844361-04 Original Sample (OS) • Duplicate (DUP)

(OS) L844361-04 07/05/16	OS) L844361-04 07/05/16 17:45 • (DUP) R3147607-4 07/05/16 17:46										
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits					
Analyte	mg/l	mg/l		%		%					
Phosphorus, Total	ND	ND	1	0.000		20					

L844392-02 Original Sample (OS) • Duplicate (DUP)

(OS) L844392-02 07/05/16	OS) L844392-02 07/05/16 18:18 • (DUP) R3147607-7 07/05/16 18:19											
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits						
Analyte	mg/l	mg/l		%		%						
Phosphorus, Total	0.917	0.865	1	6.00		20						

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3147607-2 07/05/1	LCS) R3147607-2 07/05/16 17:41 • (LCSD) R3147607-3 07/05/16 17:42												
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits			
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%			
Phosphorus, Total	1.00	0.996	1.10	100	110	90.0-110			10.0	20			

L844392-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

OS) L844392-01 07/05/16 18:14 • (MS) R3147607-5 07/05/16 18:16 • (MSD) R3147607-6 07/05/16 18:17												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Phosphorus,Total	2.50	0.851	3.01	3.12	86.0	91.0	1	90.0-110	<u>J6</u>		4.00	20

ACCOUNT:	
S&ME - Huntsville	

PROJECT: 4482-15-010

SDG: L844361 DATE/TIME: 07/13/16 15:15 PAGE: 33 of 40

Wet Chemistry by Method 4500P E-2011

QUALITY CONTROL SUMMARY L844361-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18

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Method Blank (MB)

(MB) R3146792-1 06/30/16	6 12:35			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Phosphate,Ortho	U		0.00900	0.0250

L844361-03 Original Sample (OS) • Duplicate (DUP)

(OS) L844361-03 06/30/16	6 12:39 • (DUP)	R3146792-4 0	6/30/16 12	2:39		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Phosphate,Ortho	0.180	0.197	1	9.00		20

L844361-18 Original Sample (OS) • Duplicate (DUP)

L044301-16 Oliginal	i Sample (C	JS) • Dupin		UF)			7				
(OS) L844361-18 06/30/16 13:02 • (DUP) R3146792-7 06/30/16 13:02											
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits					
Analyte	mg/l	mg/l		%		%	⁸ Al				
Phosphate,Ortho	ND	ND	1	0.000		20					

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3146792-2 06/30/1	LCS) R3146792-2 06/30/16 12:35 • (LCSD) R3146792-3 06/30/16 12:35												
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits			
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%			
Phosphate,Ortho	0.750	0.776	0.762	103	102	85.0-115			2.00	20			

L844361-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L844361-03 06/30/16	14361-03 06/30/16 12:39 • (MS) R3146792-5 06/30/16 12:41 • (MSD) R3146792-6 06/30/16 12:42												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%	
Phosphate,Ortho	0.500	0.180	0.679	0.684	100	101	1	80.0-120			1.00	20	

SDG: L844361 DATE/TIME: 07/13/16 15:15

Wet Chemistry by Method 4500P E-2011

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3146866-1 06/3	30/16 15:25			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Phosphate,Ortho	U		0.00900	0.0250

L844361-20 Original Sample (OS) • Duplicate (DUP)

(OS) L844361-20 06/30/1	6 15:26 • (DUP)	R3146866-4	06/30/16 1	5:26		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Phosphate,Ortho	ND	ND	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3146866-2 06/30/1	:S) R3146866-2 06/30/16 15:25 • (LCSD) R3146866-3 06/30/16 15:25										
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%	
Phosphate,Ortho	0.750	0.769	0.752	103	100	85.0-115			2.00	20	

L844361-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L844361-20 06/30/16	L844361-20 06/30/16 15:26 • (MS) R3146866-5 06/30/16 15:26 • (MSD) R3146866-6 06/30/16 15:27													
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits		
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%		
Phosphate,Ortho	0.500	ND	0.487	0.480	94.0	92.0	1	80.0-120			1.00	20		

DATE/TIME: 07/13/16 15:15

GLOSSARY OF TERMS

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Abbreviations	and	Definitions	
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SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Rec.	Recovery.

Qualifier	Description
В	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
Je	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

ACCREDITATIONS & LOCATIONS

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ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.** * Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
lowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee 14	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



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Monitoring Report Third Quarter 2016 Gadsden Alabama Urbanized Area Phase II Small MS4 NPDES General Permit ALR040009 Gadsden, Etowah County, Alabama S&ME Project No. 4482-15-043



Prepared for: Gadsden-Etowah MS4 Steering Committee

> Prepared by: S&ME, Inc. 360D Quality Circle, NW Suite 450 Huntsville, AL 35806

> > October 4, 2016



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Table 3-1 Monitoring Point Coordinates	3
Table 3-2 Sample Containers and Preservation	5
Table 5-0 Storm Water Steering Committee	5

Appendices

Appendix A

Figure 1 – Gadsden, Alabama Urbanized Area

Figure 2 – MS4 Monitoring Locations Map



Appendix B

Table B.1 – Field Observations Table B.2 – Analytical Data Tables B.3 to B.21 – Historical Analytical Data

Appendix C

Laboratory Report No. L852190, dated August 16, 2016



1.0 Introduction

S&ME, Inc. has prepared this Monitoring Report for the *Gadsden, Alabama Urbanized Area* Phase II small MS4 in accordance with S&ME Proposal No. 44-1500218, dated June 30, 2015. Authorization date and responsible official for each entity are provided in Table 1.1.

Name	Entity	Date
Wally Burns, Mayor	City of Southside	July 7, 2015
Larry Payne, President	Etowah County	July 21, 2015
Sherman Guyton, Mayor	City of Gadsden	July 29, 2015
Larry Means, Mayor	City of Attalla	August 5, 2015
Jeff Cheatwood, Mayor	City of Hokes Bluff	August 14, 2015
Charles Gilchrist, Mayor	City of Glencoe	August 14, 2015
Terry John Calhoun, Mayor	City of Rainbow City	October 23, 2015

Table 1-1 Responsible Official and Authorization Dates

1.1 NPDES Permit

The Storm Water Phase II Final Rule issued by the United States Environmental Protection Agency (USEPA) in 1999 requires nationwide coverage of all operators of small MS4s located within the boundaries of an "urbanized area" as defined by the latest decennial Census. Based on the results of the 2000 census, the Bureau of the Census designated The City of Gadsden, Rainbow City, Reece City, City of Southside, City of Glencoe, City of Hokes Bluff, City of Attalla, and portions of unincorporated Etowah County as the Gadsden, Alabama Urbanized Area. A map outlining the approximate boundary of the Gadsden, Alabama Urbanized Area is included as **Figure 1** in **Appendix A**. The regulated small municipal separate storm sewer system (MS4) for the urbanized area is collectively referred to as the Gadsden-Etowah MS4.

In 2003, the Alabama Department of Environmental Management (ADEM) issued National Pollutant Discharge Elimination System (NPDES) General Permit ALR040009 for discharges from regulated small municipal separate storm sewer systems to the Gadsden-Etowah MS4. The permit was re-issued in 2011 with an effective date of February 1, 2011.

1.2 Water Quality Concerns

Section 303(d) of the Clean Water Act (CWA), as amended by the Water Quality Act of 1987, and EPA's Water Quality Planning and Management Regulations (40CFR130) require states to identify waterbodies not in compliance with the water quality standards applicable to their designated use classifications. Section 303(d) then requires that total maximum daily loads (TMDLs) be determined for all pollutants causing violation of applicable water quality standards in each identified segment.

Neely Henry Lake is the primary receiving water for the Gadsden-Etowah MS4. In 1996, the ADEM identified five of the six reservoirs on the Coosa River within the State of Alabama's borders as being



impaired, including Neely Henry Lake. In 2008 the EPA approved TMDLs for Neely Henry Lake related to Nutrients (Total Phosphorous), pH, and Dissolved Oxygen. The Gadsden-Etowah MS4 is required to achieve a 30% reduction in Total Phosphorus loading.

1.3 Monitoring Program

Part III.B of the NPDES General Permit requires that the Permittee develop and implement a Storm Water Management Program (SWMP). Part IV.D of the NPDES General Permit requires that the SWMP include monitoring provisions to document that the waste load allocations prescribed in the TMDL are being achieved.

Section 2 of the SWMP, dated June 29, 2012, provides the specific details of the monitoring program. The ADEM approved the submitted SWMP in July of 2012. The intent of the monitoring program is to document that discharges from the MS4 meet the permit requirements. Where deviations are documented and/or expected, the collected monitoring data will be used to determine the extent and cause of the pollutant of concern.

2.0 Rainfall Data

The Gadsden-Etowah MS4 is required to achieve a 30% reduction in Total Phosphorus discharge loading. The largest loading of phosphorous to the Coosa River from the Gadsden-Etowah MS4 is expected to occur during runoff events; therefore, the SWMP requires that monitoring be conducted within 72 hours of a qualifying rain event of 0.75 inch.

On August 7th and 8th a rain event was observed at one of the four weather stations located in the vicinity of the urbanized area. The locations of the weather stations are identified on **Figure 2** in **Appendix A**.

GAUGE NAME	LOCATION	LAT.	LONG.	PRECIP 8/7	PRECIP 8/8
MD5866*	Rainbow City, AL	33.922°	-86.099°	N/A	N/A
KGAD	Gadsden Municipal Airport	33.973°	-86.088°	0.60 in.	0.24 in.
KALHOKES2	Hokes Bluff Hokes Bluff, AL	33.993°	-85.806°	0.07 in.	0.01 in.
KALGADSD3	Noccalula Falls Gadsden, AL	34.056°	-85.994°	0.11 in.	0.0 in.

Table 2-1 August 7 and 8, 2016 Rainfall Data

*No information was available for this weather station for the August 7 and 8, 2015 rain event.

3.0 Monitoring Event

On August 9, 2016, S&ME personnel mobilized to conduct storm water monitoring for the third quarter of 2016. The quarterly monitoring event was carried out in accordance with Section 2 of the Gadsden-Etowah MS4 Storm Water Management Program (SWMP), dated June 29, 2012.



3.1 Monitoring Locations

The primary monitoring locations selected for determining compliance of the Gadsden-Etowah MS4 with the 2008 phosphorous TMDL are identified on **Figure 2** in **Appendix A**. Coordinates for each point are listed in Table 3-1.

OUTFALL ID	LATITUDE	LONGITUDE	ACCESS	WATERBODY EVALUATED
AT 5	34.006446°	-86.069061°	LAND	Big Wills Creek / Little Wills Creek
GD 8	33.999535°	-86.024463°	LAND	Black Creek
RC 2	33.967683°	-86.039476°	LAND	Horton Creek
SS 13	33.891352°	-86.049229°	LAND	Neely Henry Lake
SS 14	33.885921°	-86.030683°	LAND	U.T. to Neely Henry Lake
GD 12	33.952567°	-86.003495°	LAND	U.T. to Neely Henry Lake
CO 14	33.940904°	-85.967704°	LAND	U.T. to Neely Henry Lake
SME 2	34.002461°	-86.001571°	LAND	U.T. to Coosa River
GD 6	34.015350°	-85.995617°	LAND	Town Creek
CO 15	33.972280°	-85.965354°	LAND	U.T. to Neely Henry Lake
RC 14	33.905786°	-86.111656°	BOAT	Rook Creek / Dry Creek
SS 5	33.941329°	-86.021569°	BOAT	U.T. to Coosa River
SME 1	33.990184°	-86.004048°	BOAT	Big Wills Creek / Black Creek
GD 9	33.989718°	-85.998472°	BOAT	U.T. to Coosa River (East Gadsden)
GD 7	34.008361°	-85.999777°	BOAT	Storm sewer outfall to Coosa River
GD 5	34.014324°	-85.924013°	BOAT	Big Cove Creek / Little Cove Creek
GD 3	34.012380°	-85.953651°	BOAT	U.T. to Neely Henry Lake
SME 3	34.009698°	-85.956230°	BOAT	Coal Creek
HB 3	34.002129°	-85.882808°	BOAT	U.T. to Neely Henry Lake

Table 3-1 Monitoring Point Coordinates

3.2 Sampling Procedures

Samples collected on land were obtained using a stainless steel 1-quart bucket attached to a 30-foot telescoping fiberglass pole. S&ME personnel extended the pole to mid-channel at each location and collected a sample at mid-depth or two (2) feet below the water surface, whichever was shallower. The sample was then poured into a 6-quart stainless steel bucket. Four to five quarts were collected and mixed in the 6-quart bucket prior to analysis. The stainless steel buckets were decontaminated prior to use and between samples.

Samples collected from the boat were obtained using a horizontal Van Dorn sampler. S&ME personnel inserted the sampler into the water upstream of the boat, lowered it to a depth of five (5) feet below the water surface then triggered the seals. The collected sample was discharged from a valve in the sampler. Duplicate samples were obtained using the Van Dorn sampler to collect two 2-liter samples, then mixing



them in a 6-quart stainless steel bucket. The Van Dorn sampler was decontaminated prior to use and in between samples.

3.3 Field Documentation

The following observations were documented in the field at each monitoring location:

- Monitoring point ID
- Date and time
- Person conducting the sampling
- Equipment used
- Depth of sample collection
- Weather conditions
- Waterbody conditions

The following parameters were measured in the field at the time of sample collection:

- Turbidity
- pH
- Dissolved Oxygen (DO)
- Temperature

Field parameters were measured using a combination of the following instruments:

- LaMotte 2020 Turbidimeter
- Hach 2100Q Turbidimeter
- YSI 556 Multi-Probe Meter
- PH100 ExStik® pH Meter
- YSI 550A Dissolved Oxygen Meter

The recorded field observations are included on **Table B.1** in **Appendix B**. The recorded field parameters are included on **Table B.2** in **Appendix B**.

3.4 Quality Assurance / Quality Control

The following handling procedures were employed in general accordance with EPA and ADEM guidance to safeguard the quality of the collected samples.

3.4.1 Sample Containers and Preservation

All samples were collected in new laboratory-provided containers containing analyte-appropriate preservatives as listed below:



PARAMETER	CONTAINER	PRESERVATIVE	HOLD TIME
Total Suspended Solids (TSS)	HDPE - 1 L	NONE	7 days
Total Phosphorous	HDPE - 250 mL	H ₂ SO ₄	48 hours
Orthophosphate	HDPE - 250 mL	NONE	48 hours
Nitrate-Nitrite	HDPE - 250 mL	H ₂ SO ₄	28 days
Total Kjeldahl Nitrogen (TKN)	HDPE - 250 mL	H ₂ SO ₄	28 days

Table 3-2 Sample Containers and Preservation

Prior to filling, sample containers were labeled with the following information in waterproof ink:

- Project number
- Sample location
- Collection date and time
- Preservative
- Analysis to be performed

3.4.2 *Quality Assurance*

Two duplicate samples were submitted to the laboratory. One duplicate sample of monitoring point AT 5 was collected by the land team during the sampling event and labeled as SME 4. One duplicate sample of monitoring point HB 3 was collected by the boat team during the sampling event and labeled as SME 5.

3.4.3 Sample Shipment

After filling, the sample containers were sealed and immediately placed on ice in a protective container for shipment to the analytical laboratory. A Chain of Custody form was completed and accompanied the samples from the field to the laboratory. A copy of the Chain of Custody is included in **Appendix C**.

4.0 Analytical Results

The laboratory analytical results for the August 9, 2016 quarterly monitoring event are included on **Table B.2** provided in **Appendix B**. The laboratory reports and Chain of Custody are included in **Appendix C**.

5.0 Recordkeeping

Each quarterly monitoring report will be incorporated into the Annual Update of the Storm Water Management Plan. Monitoring reports will be retained by each municipality for a minimum of 3 years.

The Storm Water Steering Committee is responsible for the coordination and implementation of the Storm Water Management Plan. Current membership of the Storm Water Steering Committee is as follows:


ENTITY	CONTACT	PHONE NO.	EMAIL
City of Gadsden	Jeramy Ward	256-549-4527	jward@cityofgadsden.com
City of Gadsden	Heath Williamson	256-549-4520	hwilliamson@cityofgadsden.com
City of Attalla	Jason Nicholson	256-441-9200	jason.attalla@gmail.com
City of Rainbow City	Kevin Ashley	256-413-1240	kashley@rbcalabama.com
City of Southside	Jimmy Whittemore	256-442-9775 Ext. 103	jwhittemore@cityofsouthside.com
City of Glencoe	Charles Gilchrist	256-492-1424	mayor@cityofglencoe.net
City of Hokes Bluff	Lisa Johnson	256-492-2414	hbcity@cityofhokesbluff.net
Etowah County	Tim Graves	256-549-5358	tgraves@etowahcounty.org
Etowah County	Robert Nail	256-549-5358	rnail@etowahcounty.org

Table 5-0 Storm Water Steering Committee

One copy of this Monitoring Report has been provided to each member of the Storm Water Steering Committee.

6.0 Certification of the Monitoring Report

I certify under penalty of law that this document and all attachments were prepared under my directions or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations.

Signature of Responsible Official

Print Name and Title

MS4 Entity

7.0 Acknowledgement

S&ME, Inc. certifies that the information provided in this monitoring report reflects the conditions reported, encountered, and discovered at the time of report preparation. When performing this scope of services, S&ME, Inc., observed the degree of care and skill generally exercised by other consultants undertaking similar studies at the same time, under similar circumstances and conditions, and in the same geographic area.



S&ME sincerely appreciates the opportunity to provide watershed monitoring services for the Gadsden-Etowah MS4. Should questions remain or if additional information is required, please do not hesitate to contact the undersigned.

S&ME, Inc.

Jenned (m Emily J. Kennedy

Project Scientist

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Deborah J. Jones, P.E. Senior Engineer



Appendix A

Figure 1 – Gadsden, Alabama Urbanized Area

Figure 2 – MS4 Monitoring Locations Map







Appendix B

Table B.1 – Field Observations

Table B.2 – Analytical Data

Tables B.3 to B.21 – Historical Analytical Data

TABLE B.1 - FIELD OBSERVATIONS

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	TIME	DEPTH (FT)	PERSONNEL	WEATHER CONDITIONS	WATERBODY CONDITIONS
AT 5	8/9/2016	925	-0.3'	EJK/RTF	Cloudy	Smooth, fast flow
GD 8	8/9/2016	1002	-0.2'	EJK/RTF	Cloudy	Smooth
RC 2	8/9/2016	1028	-0.3'	EJK/RTF	Cloudy	Smooth
SS 13	8/9/2016	1049	-0.3'	EJK/RTF	Cloudy	Smooth
SS 14	8/9/2016	1102	-0.1'	EJK/RTF	Cloudy	Smooth
GD 12	8/9/2016	1120	-0.2'	EJK/RTF	Cloudy	Smooth, slow flow
CO 14	8/9/2016	DRY		EJK/RTF	Overcast	DRY
SME 2	8/9/2016	1255	-0.3'	EJK/RTF	Partly Sunny	Smooth
GD 6	8/9/2016	1300	-0.3'	EJK/RTF	Partly Sunny	Smooth
CO 15	8/9/2016	1326	-0.1'	EJK/RTF	Partly Sunny	Smooth
RC 14	8/9/2016	950	-5'	JJW/TLO	Cloudy	Smooth
SS 5	8/9/2016	1035	-5'	JJW/TLO	Cloudy	Smooth
SME 1	8/9/2016	1110	-5'	JJW/TLO	Cloudy	Smooth
GD 9	8/9/2016	1115	-5'	JJW/TLO	Cloudy	Smooth
GD 7	8/9/2016	1120	-5'	JJW/TLO	Cloudy	Medium
GD 5	8/9/2016	1400	-5'	JJW/TLO	Cloudy	Medium
GD 3	8/9/2016	1410	-5'	JJW/TLO	Cloudy	Smooth
SME 3	8/9/2016	1420	-5'	JJW/TLO	Cloudy	Smooth
HB 3	8/9/2016	1320	-5'	JJW/TLO	Cloudy	Smooth

TABLE B.2 - ANALYTICAL DATA

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

	FIELD PARAMETERS						LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
AT 5	8/9/2016	17.1	7.89	6.47	25.80	0.98	0.482	0.50	0.27	18.3
GD 8	8/9/2016	12.7	8.90	5.87	28.90	0.22	<0.025	<0.10	0.67	6.3
RC 2	8/9/2016	24.5	8.12	5.05	26.50	0.14	<0.025	<0.10	0.45	9.9
SS 13	8/9/2016	20.3	7.77	5.92	29.10	<0.10	<0.025	<0.10	0.73	24.0
SS 14	8/9/2016	22.3	7.71	5.99	26.90	0.16	0.062	0.12	0.87	12.7
GD 12	8/9/2016	22.1	7.57	4.39	27.60	<0.10	<0.025	<0.10	0.63	13.3
CO 14	8/9/2016	NS	NS	NS	NS	NS	NS	NS	NS	NS
SME 2	8/9/2016	10.3	8.01	6.58	30.60	<0.10	<0.025	<0.10	0.59	8.2
GD 6	8/9/2016	10.4	8.26	6.98	30.70	<0.10	<0.025	<0.10	0.62	10.3
CO 15	8/9/2016	38.3	8.03	6.78	29.60	<0.10	<0.025	<0.10	<0.25	22.0
SME 4	8/9/2016		DUPLICAT	TE OF AT5		0.97	0.479	0.49	0.27	18.3
RC 14	8/9/2016	10.4	7.05	2.35	28.53	<0.10	<0.025	<0.10	0.55	8.5
SS 5	8/9/2016	11.6	7.86	3.16	29.40	<0.10	<0.025	<0.10	0.46	12.6
SME 1	8/9/2016	15.3	8.55	4.98	28.87	<0.10	0.089	0.15	0.55	12.6
GD 9	8/9/2016	10.6	8.07	4.14	29.00	<0.10	<0.025	<0.10	0.47	9.4
GD 7	8/9/2016	6.5	7.97	4.08	29.31	<0.10	<0.025	<0.10	0.47	5.7
GD 5	8/9/2016	11.8	8.25	5.55	30.20	<0.10	<0.025	<0.10	0.41	11.0
GD 3	8/9/2016	8.3	7.98	5.09	30.01	<0.10	<0.025	<0.10	0.39	10.0
SME 3	8/9/2016	14.8	7.52	3.43	29.53	<0.10	<0.025	<0.10	0.56	10.8
HB 3	8/9/2016	11.3	7.91	4.31	30.19	<0.10	<0.025	<0.10	0.70	14.3
SME 5	8/9/2016		DUPLICAT	E OF HB 3		<0.10	<0.025	<0.10	0.77	11.7

NTU - Nephelometric Turbidity Units

Bold - maximum reading for constituent

NA - not availabe at this time

mg/L - milligrams per liter

* - unknown reading due to equipment malfuction

NS - Not Sampled (Dry)

TABLE B.3 - ANALYTICAL DATA - AT 5

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
AT 5	3/12/2013	15	7.80	11.04	12.55	0.61	0.150	0.14	0.37	20.0
AT 5	5/8/2013	25	5.08	2.59	14.69	0.31	0.099	0.11	0.56	19.0
AT 5	9/23/2013	21	5.96	3.95	22.88	1.30	0.400	0.35	0.37	22.0
AT 5	12/10/2013	68	5.32	11.43	8.21	0.79	0.290	0.34	0.97	64.0
AT 5	2/6/2014	40	4.06	15.29	7.28	0.80	0.130	0.13	0.35	32.0
AT 5	6/26/2014	70	7.85	7.61	23.89	0.77	0.340	0.28	0.38	19.0
AT 5	9/30/2014	15	5.78	6.63	21.03	0.94	0.490	0.54	<0.25	14.0
AT 5	11/19/2014	47	5.08	10.23	6.91	1.30	0.410	0.39	0.50	27.0
AT 5	3/23/2015	17	8.69	9.39	14.50	0.71	0.130	0.14	0.27	15.0
AT5	4/22/2015	53	6.93	11.13	18.40	0.69	0.110	0.13	<0.25	76.0
AT5	9/30/2015	15	6.37	9.45	21.63	1.82	0.664	0.86	<0.25	16.4
AT5	11/19/2015	934	7.38	19.33	14.98	0.67	0.261	0.31	1.47	74.6
AT 5	3/15/2016	30	7.93	20.43	16.86	0.58	0.068	<0.10	0.77	26.7
AT 5	6/29/2016	18	7.99	6.57	25.40	0.80	0.598	0.71	<0.25	14.5
AT 5	8/9/2016	17	7.89	6.47	25.80	0.98	0.482	0.50	0.27	18.3

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.4 - ANALYTICAL DATA - GD 8

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 8	3/12/2013	7	7.65	11.73	9.85	0.13	<0.025	<0.10	0.25	4.5
GD 8	5/8/2013	19	6.71	1.72	14.47	0.11	<0.025	<0.10	0.38	19.0
GD 8	9/23/2013	18	6.22	3.98	22.74	<0.10	<0.025	<0.10	0.41	9.6
GD 8	12/10/2013	31	6.04	13.33	8.10	0.28	0.040	<0.10	0.35	32.0
GD 8	2/6/2014	16	3.87	16.32	6.48	0.25	<0.025	<0.10	0.13	13.0
GD 8	6/26/2014	31	8.19	6.64	26.15	0.25	<0.025	<0.10	0.48	7.3
GD 8	9/30/2014	12	7.32	5.06	23.19	0.14	<0.025	<0.10	0.42	6.0
GD 8	11/19/2014	25	5.16	9.01	5.87	0.23	<0.025	<0.01	0.32	13.0
GD 8	3/23/2015	11	8.67	9.76	14.8	0.22	<0.025	<0.10	<0.25	4.8
GD 8	4/22/2015	20	7.40	11.71	17.70	0.16	<0.025	<0.10	<0.25	15.0
GD 8	9/30/2015	9	7.79	9.48	24.33	0.18	<0.025	<0.10	0.48	6.8
GD 8	11/19/2015	212	6.94	23.30	15.13	0.23	<0.025	0.10	0.85	79.6
GD 8	3/15/2016	11	7.88	16.81	16.98	0.13	<0.025	<0.10	0.47	8.3
GD 8	6/29/2016	33	8.50	6.60	29.30	<0.10	<0.025	<0.10	0.45	39.8
GD 8	8/9/2016	13	8.90	5.87	28.90	0.22	<0.025	<0.10	0.67	6.3

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.5 - ANALYTICAL DATA - RC 2

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS		LABORATORY ANALYSIS				
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
RC 2	3/12/2013	29	7.73	9.83	10.53	0.12	0.088	<0.10	0.75	14.0
RC 2	5/8/2013	19	6.16	3.06	16.36	0.19	<0.025	<0.10	0.55	12.0
RC 2	9/23/2013	11	6.24	3.00	23.61	<0.10	<0.025	<0.10	0.43	6.3
RC 2	12/10/2013	34	6.07	11.71	8.38	0.11	0.062	<0.10	0.54	10.0
RC 2	2/6/2014	30	3.89	17.28	5.62	0.26	<0.025	<0.10	0.43	9.6
RC 2	6/26/2014	18	7.90	6.81	24.81	0.15	<0.025	<0.10	0.44	7.2
RC 2	9/30/2014	3	7.27	5.55	22.25	<0.10	<0.025	<0.10	0.40	2.5
RC 2	11/19/2014	27	5.65	7.14	5.72	0.17	<0.025	<0.10	0.43	11.0
RC 2	3/23/2015	45	8.23	9.07	16.00	0.15	0.044	<0.10	0.81	18.0
RC 2	4/22/2015	14	7.64	11.42	18.40	0.26	<0.025	<0.10	<0.25	4.8
RC 2	9/30/2015	7	5.93	9.28	23.33	<0.10	<0.025	<0.10	<0.25	4.6
RC 2	11/19/2015	114	7.36	21.94	15.29	0.27	<0.025	0.13	0.75	14.4
RC 2	3/15/2016	15	7.62	16.67	14.61	0.18	<0.025	<0.10	0.43	6.0
RC 2	6/29/2016	12	7.78	4.31	28.30	<0.10	0.077	<0.10	0.35	10.9
RC2	8/9/2016	25	8.12	5.05	26.50	0.14	<0.025	<0.10	0.45	9.9

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.6 - ANALYTICAL DATA - SS 13

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS		LABORATORY ANALYSIS					
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)	
SS 13	3/12/2013	8	7.04	9.85	11.45	0.34	0.032	<0.10	0.78	4.7	
SS 13	5/8/2013	10	6.68	2.94	18.75	0.36	<0.050	<0.10	0.72	5.7	
SS 13	9/23/2013	12	7.04	3.38	25.31	<0.10	0.028	<0.10	0.84	9.6	
SS 13	12/10/2013	12	6.14	10.93	8.99	0.33	0.077	0.12	0.67	5.6	
SS 13	2/6/2014	7	4.26	17.50	5.14	0.42	<0.025	<0.10	0.44	4.1	
SS 13	6/26/2014	23	8.33	8.09	28.44	<0.10	<0.025	0.12	0.52	5.4	
SS 13	9/30/2014	12	7.41	4.26	24.77	<0.10	<0.025	<0.10	0.44	12.0	
SS 13	11/19/2014	13	6.31	6.08	6.44	0.22	0.044	<0.10	0.40	4.8	
SS 13	3/23/2015	16	7.33	8.57	15.40	0.22	0.029	<0.10	0.71	7.6	
SS 13	4/22/2015	15	6.60	8.93	20.80	0.32	<0.025	<0.10	0.67	10.0	
SS 13	9/30/2015	9	7.33	11.54	25.95	<0.10	<0.025	<0.10	0.52	9.0	
SS 13	11/19/2015	36	7.07	18.48	15.31	0.24	<0.025	0.18	0.97	4.8	
SS 13	3/15/2016	9	6.61	12.42	17.37	0.32	<0.025	<0.10	<0.25	4.7	
SS 13	6/29/2016	10	7.86	6.15	30.60	<0.10	<0.025	<0.10	0.53	9.8	
SS13	8/9/2016	20	7.77	5.92	29.10	<0.10	<0.025	<0.10	0.73	24.0	

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.7 - ANALYTICAL DATA - SS 14

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS		LABORATORY ANALYSIS					
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)	
SS 14	3/12/2013	10	7.40	11.23	10.93	0.40	0.087	0.11	0.77	4.7	
SS 14	5/8/2013	10	6.47	2.75	16.42	0.45	0.041	<0.10	0.53	5.0	
SS 14	9/23/2013	3	6.76	6.49	21.77	0.38	0.036	<0.10	0.45	<2.5	
SS 14	12/10/2013	18	5.63	11.33	8.56	0.28	0.160	0.19	0.66	9.2	
SS 14	2/6/2014	12	4.19	17.56	5.16	0.62	0.074	<0.10	0.50	14.0	
SS 14	6/26/2014	8	8.18	7.58	24.14	0.67	0.080	0.16	0.89	<2.5	
SS 14	9/30/2014	8	7.42	3.67	22.35	<0.10	0.031	<0.10	0.52	6.1	
SS 14	11/19/2014	16	6.27	7.50	5.48	0.75	0.075	0.22	0.46	9.2	
SS 14	3/23/2015	21	7.75	9.53	16.50	0.27	0.110	0.14	1.10	11.0	
SS 14	4/22/2015	12	7.43	12.29	17.50	0.62	<0.025	<0.10	0.58	6.3	
SS 14	9/30/2015	7	7.16	12.79	24.02	<0.10	0.088	0.18	0.51	6.6	
SS 14	11/19/2015	27	6.49	20.71	15.16	0.44	0.131	0.18	1.00	23.3	
SS 14	3/15/2016	11	7.18	12.11	16.01	0.50	0.056	<0.10	0.83	8.1	
SS 14	6/29/2016	6	7.62	3.61	27.20	<0.10	0.103	0.16	0.65	6.0	
SS 14	8/9/2016	22	7.71	5.99	26.90	0.16	0.062	0.12	0.87	12.7	

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.8 - ANALYTICAL DATA - GD 12

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS		LABORATORY ANALYSIS				
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 12	3/12/2013	9	7.41	10.93	13.43	0.25	0.030	<0.10	0.54	3.9
GD 12	5/8/2013	15	6.73	2.35	16.53	0.21	0.030	<0.10	0.40	7.5
GD 12	9/23/2013	10	6.76	3.94	26.07	<0.10	0.026	<0.10	0.48	9.0
GD 12	12/10/2013	19	6.15	10.09	10.18	0.22	0.079	0.11	0.45	5.9
GD 12	2/6/2014	12	4.17	16.99	5.76	0.31	<0.025	<0.10	0.28	3.9
GD 12	6/26/2014	29	8.38	9.40	26.72	0.11	0.035	0.12	0.62	32.0
GD 12	9/30/2014	11	7.68	5.77	24.68	<0.10	<0.025	<0.10	0.39	11.0
GD 12	11/19/2014	15	6.95	5.93	5.85	0.28	<0.025	0.13	0.39	6.6
GD 12	3/23/2015	18	7.80	9.56	16.80	0.24	<0.025	<0.10	0.59	8.1
GD 12	4/22/2015	17	7.45	11.04	19.80	0.25	<0.025	<0.10	0.43	14.0
GD 12	9/30/2015	7	7.30	11.07	24.67	<0.10	<0.025	<0.10	0.70	8.5
GD 12	11/19/2015	23	7.07	19.14	14.68	0.28	0.100	0.15	0.77	12.0
GD 12	3/15/2016	10	7.43	13.14	16.05	0.25	0.032	<0.10	0.43	4.6
GD 12	6/29/2016	13	8.22	7.68	31.20	<0.10	0.036	<0.10	0.38	12.0
GD 12	8/9/2016	22	7.57	4.39	27.60	<0.10	<0.025	<0.10	0.63	13.3

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.9 - ANALYTICAL DATA - CO 14

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS		LABORATORY ANALYSIS					
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)	
CO 14	3/12/2013	8	6.88	9.65	12.92	0.32	<0.025	<0.10	0.42	3.5	
CO 14	5/8/2013	13	6.61	3.02	16.37	0.34	<0.12	<0.10	0.74	6.7	
CO 14	9/23/2013	15	6.70	3.78	22.58	<0.10	0.036	<0.10	0.30	9.6	
CO 14	12/10/2013	14	5.82	11.15	9.37	0.11	0.027	<0.10	0.55	9.7	
CO 14	2/6/2014	14	4.02	16.69	5.08	0.58	<0.025	<0.10	0.41	9.1	
CO 14	6/26/2014	20	8.25	8.19	22.33	0.34	<0.025	<0.10	0.86	9.0	
CO 14	9/30/2014	*	*	*	*	*	*	*	*	*	
CO 14	11/19/2014	9.84	6.70	3.86	7.90	<0.10	<0.025	<0.10	0.26	2.8	
CO 14	3/23/2015	19	6.85	8.78	17.20	0.25	<0.025	<0.10	0.67	10.0	
CO 14	4/22/2015	14	6.23	11.19	18.00	0.49	<0.025	<0.10	0.60	8.6	
CO 14	9/30/2015	*	*	*	*	*	*	*	*	*	
CO 14	11/19/2015	24	6.64	16.06	15.25	<0.10	<0.025	<0.10	1.27	5.9	
CO 14	3/15/2016	16	6.33	13.05	16.42	0.47	<0.025	<0.10	0.71	9.7	
CO 14	6/29/2016	*	*	*	*	*	*	*	*	*	
CO 14	8/9/2016	*	*	*	*	*	*	*	*	*	

NTU - Nephelometric Turbidity Units

* - outfall was dry

mg/L - milligrams per liter

TABLE B.10 - ANALYTICAL DATA - SME 2

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
SME 2	3/12/2013	6	7.12	9.28	14.17	0.28	0.032	<0.10	0.47	8.1
SME 2	5/8/2013	26	7.67	6.46	21.40	0.24	0.042	<0.10	0.92	21.0
SME 2	9/23/2013	7	6.92	5.51	26.24	<0.10	0.039	<0.10	0.34	7.1
SME 2	12/10/2013	12	5.71	11.05	11.01	0.31	0.100	0.15	0.42	7.0
SME 2	2/6/2014	20	4.21	14.38	6.13	0.39	0.053	<0.10	0.59	14.0
SME 2	6/26/2014	15	8.16	7.22	26.98	0.11	<0.025	<0.10	0.38	8.7
SME 2	9/30/2014	6	7.97	5.33	26.53	<0.10	<0.025	<0.10	0.52	7.4
SME 2	11/19/2014	10	7.06	3.53	10.20	0.14	0.039	0.16	<0.25	6.8
SME 2	3/23/2015	11	7.96	9.34	17.60	0.24	<0.025	<0.10	0.45	10.0
SME 2	4/22/2015	9	7.93	11.46	24.50	0.13	<0.025	<0.10	0.48	9.1
SME 2	9/30/2015	7	7.62	12.67	25.91	0.10	<0.025	0.10	0.50	8.7
SME 2	11/19/2015	22	6.55	14.30	19.12	0.22	0.062	0.22	1.21	82.3
SME 2	3/15/2016	8	7.86	13.43	20.73	<0.10	<0.025	<0.10	0.49	6.3
SME 2	6/29/2016	8	8.23	7.24	30.40	0.19	<0.025	<0.10	0.29	8.0
SME 2	8/9/2016	10	8.01	6.58	30.60	<0.10	<0.025	<0.10	0.59	8.2

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.11 - ANALYTICAL DATA - GD 6

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

FIELD PARAMETERS			LABORATORY ANALYSIS							
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 6	3/12/2013	10	8.03	9.65	11.90	0.21	0.036	<0.10	0.29	5.8
GD 6	5/8/2013	19	6.81	2.35	19.02	0.23	0.033	<0.10	0.40	8.3
GD 6	9/23/2013	6	7.28	5.17	26.93	<0.10	<0.025	<0.10	0.36	5.8
GD 6	12/10/2013	26	5.98	11.41	10.64	0.37	0.041	<0.10	0.17	8.6
GD 6	2/6/2014	16	4.34	15.80	6.85	0.26	0.057	<0.10	0.16	5.5
GD 6	6/26/2014	14	8.31	8.95	27.29	<0.10	<0.025	<0.10	0.42	7.0
GD 6	9/30/2014	7	8.35	6.53	26.78	<0.10	<0.025	<0.10	0.55	7.0
GD 6	11/19/2014	13	7.17	3.36	9.67	0.22	<0.025	0.28	0.38	9.8
GD 6	3/23/2015	17	7.95	8.95	18.40	0.22	<0.025	<0.10	0.26	8.2
GD 6	4/22/2015	15	7.59	10.82	19.80	0.22	<0.025	<0.10	0.28	8.0
GD 6	9/30/2015	14	8.19	12.31	25.47	<0.10	<0.025	0.10	0.97	12.4
GD 6	11/19/2015	43	6.97	15.87	17.75	0.47	0.037	0.13	0.77	16.0
GD 6	3/15/2016	16	7.68	11.58	19.98	0.12	0.043	<0.10	0.50	7.9
GD 6	6/29/2016	10	8.86	9.64	31.50	<0.10	<0.025	<0.10	0.40	11.2
GD 6	8/9/2016	10	8.26	6.98	30.70	<0.10	<0.025	<0.10	0.62	10.3

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.12 - ANALYTICAL DATA - CO 15

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS		LABORATORY ANALYSIS				
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
CO 15	3/12/2013	32	7.41	8.91	14.40	<0.10	0.097	<0.10	0.53	9.0
CO 15	5/8/2013	27	7.51	8.04	18.10	0.10	<0.12	<0.10	0.59	11.0
CO 15	9/23/2013	13	7.09	4.01	27.18	<0.10	0.027	<0.10	0.34	11.0
CO 15	12/10/2013	42	6.09	11.25	9.83	0.18	0.068	<0.10	0.56	13.0
CO 15	2/6/2014	32	4.22	16.10	6.28	0.21	<0.025	<0.10	0.46	12.0
CO 15	6/26/2014	105	8.16	7.00	25.55	<0.10	0.140	<0.10	0.59	46.0
CO 15	9/30/2014	8	7.88	6.67	23.28	<0.10	<0.025	<0.10	<0.25	8.6
CO 15	11/19/2014	44	7.38	3.68	9.43	0.20	0.030	<0.10	0.32	12.0
CO 15	3/23/2015	56	7.85	9.53	18.50	0.14	0.067	<0.10	0.61	19.0
CO 15	4/22/2015	26	7.62	10.14	21.90	0.14	<0.025	<0.10	0.40	11.0
CO 15	9/30/2015	15	7.68	12.73	22.88	<0.10	<0.025	<0.10	0.75	11.8
CO 15	11/19/2015	50	7.30	19.45	16.98	0.24	0.042	0.18	0.42	17.5
CO 15	3/15/2016	29	7.66	12.39	19.83	<0.10	<0.025	<0.10	0.78	12.4
CO 15	6/29/2016	*	*	*	*	*	*	*	*	*
CO 15	8/9/2016	38	8.03	6.78	29.60	<0.10	<0.025	<0.10	<0.25	22.0

NTU - Nephelometric Turbidity Units

* - outfall was dry

mg/L - milligrams per liter

TABLE B.13 - ANALYTICAL DATA - RC 14

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

FIELD PARAMETERS			AMETERS		LABORATORY ANALYSIS					
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
RC 14	3/12/2013	28	8.23	7.53	10.30	<0.10	0.088	<0.10	0.61	21.0
RC 14	5/8/2013	30	6.72	1.78	21.40	0.14	<0.12	<0.10	0.63	16.0
RC 14	9/23/2013	18	7.86	6.68	24.70	<0.10	<0.025	<0.10	0.58	13.0
RC 14	12/10/2013	40	8.45	9.50	8.20	<0.10	0.100	0.11	0.69	16.0
RC 14	2/6/2014	67	7.15	10.94	4.90	0.16	0.036	0.11	0.70	18.0
RC 14	6/26/2014	6	8.21	6.30	*	<0.10	<0.025	<0.10	0.39	5.9
RC 14	9/30/2014	12	7.20	6.20	23.50	<0.10	<0.025	<0.10	0.40	12.0
RC 14	9/19/2014	50	8.20	10.10	7.50	<0.10	0.085	0.13	0.52	28.0
RC 14	3/23/2015	70	8.03	7.80	18.20	0.26	0.070	<0.10	1.10	34.0
RC 14	4/22/2015	30	7.77	7.25	18.10	0.20	<0.025	<0.10	0.40	15.0
RC 14	9/30/2015	17	8.28	5.63	24.40	<0.10	<0.025	<0.10	0.45	12.6
RC 14	11/19/2015	95	7.32	6.07	17.71	0.14	<0.025	0.14	0.63	36.0
RC 14	3/15/2016	85	8.13	7.73	18.50	0.11	<0.025	0.30	0.43	69.6
RC 14	6/29/2016	17	7.58	2.17	28.53	<0.10	0.037	<0.10	0.46	17.5
RC 14	8/9/2016	10	7.05	2.35	28.53	<0.10	<0.025	<0.10	0.55	8.5

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.14 - ANALYTICAL DATA - SS 5

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

FIELD PARAMETERS				LABORATORY ANALYSIS						
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
SS 5	3/12/2013	6	8.38	9.87	10.80	0.30	0.031	<0.10	0.39	7.2
SS 5	5/8/2013	24	7.38	7.19	16.80	0.16	<0.12	<0.10	0.62	21.0
SS 5	9/23/2013	14	8.00	5.44	25.80	<0.10	0.029	<0.10	1.30	15.0
SS 5	12/10/2013	23	8.25	9.10	7.70	0.24	0.043	0.11	0.67	13.0
SS 5	2/6/2014	28	7.20	12.09	5.40	0.39	<0.025	<0.10	0.86	12.0
SS 5	6/26/2014	11	8.53	7.01	*	<0.10	<0.025	<0.10	0.40	11.0
SS 5	9/30/2014	11	7.64	6.82	24.44	<0.10	<0.025	<0.10	0.45	11.0
SS 5	11/19/2014	14	8.96	13.13	8.50	<0.10	<0.025	<0.10	0.35	9.6
SS 5	3/23/2015	18	8.50	8.99	17.70	0.26	<0.025	<0.10	0.46	11.0
SS 5	4/22/2015	19	7.76	6.71	20.20	0.15	<0.025	<0.10	0.47	13.0
SS 5	9/30/2015	11	8.26	6.61	25.30	<0.10	<0.025	<0.10	0.61	9.9
SS 5	11/19/2015	19	7.86	8.47	15.90	0.24	<0.025	<0.10	<0.25	11.0
SS 5	3/15/2016	20.0	8.37	8.47	17.20	0.26	<0.025	0.23	0.28	9.5
SS 5	6/29/2016	15	8.01	3.81	29.77	<0.10	0.066	<0.10	0.48	13.2
SS5	8/9/2016	12	7.86	3.16	29.40	<0.10	<0.025	<0.10	0.46	12.6

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.15 - ANALYTICAL DATA - SME 1

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

FIELD PARAMETERS				LABORATORY ANALYSIS						
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
SME 1	3/12/2013	13	8.19	8.26	13.10	0.54	0.110	0.11	0.34	16.0
SME 1	5/8/2013	24	7.64	8.96	16.00	0.15	0.063	<0.10	0.42	14.0
SME 1	9/23/2013	14	8.26	7.87	27.70	<0.10	0.053	<0.10	0.80	15.0
SME 1	12/10/2013	46	8.05	9.15	7.60	0.55	0.210	0.26	0.47	21.0
SME 1	2/6/2014	61	7.22	11.34	5.90	0.55	0.110	0.13	0.50	23.0
SME 1	6/26/2014	14	8.49	7.05	*	<0.10	<0.025	<0.10	0.31	13.0
SME 1	9/30/2014	28	8.25	7.46	24.67	<0.10	0.044	0.11	0.61	34.0
SME 1	11/19/2014	40	8.31	10.86	7.80	0.74	0.270	0.29	0.55	19.0
SME 1	3/23/2015	21	8.26	8.52	17.30	0.51	0.073	0.10	<0.25	14.0
SME 1	4/22/2015	29	7.14	7.97	18.50	0.40	0.039	<0.10	0.38	18.0
SME 1	9/30/2015	15	8.34	7.03	26.40	<0.10	0.052	0.14	0.81	15.3
SME 1	11/19/2015	50	7.92	7.04	15.90	0.40	0.084	0.13	<0.25	23.2
SME 1	3/15/2016	26	8.44	7.21	18.30	0.45	0.047	<0.10	<0.25	17.7
SME 1	6/29/2016	21	8.80	3.29	30.67	<0.10	0.180	0.25	0.62	20.3
SME 1	8/9/2016	15	8.55	4.98	28.87	<0.10	0.089	0.15	0.55	12.6

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.16 - ANALYTICAL DATA - GD 9

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

		FIELD PARAMETERS			LABORATORY ANALYSIS					
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 9	2/6/2014	34	7.20	11.27	5.50	0.40	0.063	0.12	0.60	14.0
GD 9	6/26/2014	45	8.22	6.08	*	<0.10	0.029	0.12	0.41	34.0
GD 9	9/30/2014	12	8.30	6.93	24.61	<0.10	<0.025	<0.10	0.30	15.0
GD 9	11/19/2014	23	8.13	9.38	9.30	0.16	0.082	0.25	0.74	15.0
GD 9	3/23/2015	25	8.16	7.58	15.80	0.15	<0.025	<0.10	0.64	18.0
GD 9	4/22/2015	18	7.58	5.58	20.70	0.15	<0.025	<0.10	0.65	14.0
GD 9	9/30/2015	10	7.93	5.37	25.70	<0.10	<0.025	<0.10	0.64	10.8
GD 9	11/19/2015	40	7.67	*	16.50	0.25	0.096	0.12	<0.25	16.7
GD 9	3/15/2016	15	8.49	7.66	17.30	0.33	0.044	<0.10	<0.25	12.1
GD 9	6/29/2016	44	8.20	1.76	29.77	<0.10	<0.025	<0.10	0.65	67.2
GD9	8/9/2016	11	8.07	4.14	29.00	<0.10	<0.025	<0.10	0.47	9.4

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.17 - ANALYTICAL DATA - GD 7

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

FIELD PARAMETERS			LABORATORY ANALYSIS							
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 7	3/12/2013	10	7.98	11.63	15.27	0.39	0.037	<0.10	0.31	8.8
GD 7	5/8/2013	26	7.72	7.46	18.40	0.24	0.063	<0.10	<0.56	20.0
GD 7	9/23/2013	11	7.05	6.31	26.50	<0.10	0.026	<0.10	0.54	9.6
GD 7	12/10/2013	42	8.02	9.68	7.50	0.34	0.084	0.11	0.32	40.0
GD 7	2/6/2014	28	7.27	13.32	4.40	0.52	0.034	<0.10	0.61	13.0
GD 7	6/26/2014	6	8.45	7.04	*	<0.10	<0.025	<0.10	0.52	8.7
GD 7	9/30/2014	12	7.87	6.32	24.39	<0.10	<0.025	<0.10	0.41	13.0
GD 7	11/19/2014	20	8.53	10.10	9.60	0.14	<0.025	0.13	0.46	15.0
GD 7	3/23/2015	13	8.28	8.87	15.40	0.27	<0.025	<0.10	0.35	10.0
GD 7	4/22/2015	28	7.99	6.40	20.20	0.24	<0.025	<0.10	0.47	24.0
GD 7	9/30/2015	8	7.89	5.18	24.90	<0.10	<0.025	<0.10	0.59	9.1
GD 7	11/19/2015	45	7.78	8.23	15.60	0.34	0.051	<0.10	<0.25	34.3
GD 7	3/15/2016	17	8.46	8.51	17.80	0.26	<0.025	<0.10	0.40	13.9
GD 7	6/29/2016	11	7.90	2.22	30.32	<0.10	0.048	<0.10	0.49	8.6
GD7	8/9/2016	7	7.97	4.08	29.31	<0.10	<0.025	<0.10	0.47	5.7

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.18 - ANALYTICAL DATA - GD 5

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS		LABORATORY ANALYSIS				
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 5	3/13/2013	12	8.33	9.29	10.20	0.26	<0.025	<0.10	0.34	9.6
GD 5	5/20/2013	14	8.28	7.76	22.60	<0.10	<0.025	<0.10	0.62	9.0
GD 5	9/23/2013	12	7.67	6.78	27.10	<0.10	0.027	<0.10	0.45	8.0
GD 5	12/10/2013	58	7.97	9.10	9.10	0.10	0.088	0.10	0.47	18.0
GD 5	2/6/2014	46	7.14	9.88	7.20	0.17	0.038	<0.10	0.37	17.0
GD 5	6/26/2014	17	7.90	6.54	*	<0.10	<0.025	<0.10	0.34	12.0
GD 5	9/30/2014	23	8.28	7.53	25.22	<0.10	<0.025	<0.10	<0.25	18.0
GD 5	11/19/2014	43	8.15	9.30	9.40	0.11	0.051	<0.10	0.43	26.0
GD 5	3/23/2015	24	8.14	8.58	15.90	0.12	<0.025	<0.10	0.34	15.0
GD 5	4/22/2015	25	7.81	7.78	21.70	0.14	<0.025	<0.10	0.65	13.0
GD 5	9/30/2015	18	8.03	6.27	26.30	<0.10	<0.025	0.12	0.56	17.3
GD 5	11/19/2015	90	7.63	7.34	16.60	0.17	0.042	<0.10	<0.25	42.8
GD 5	3/15/2016	24	8.80	7.47	19.40	<0.10	<0.025	<0.10	0.44	13.2
GD 5	6/29/169	21	8.02	2.27	30.37	<0.10	0.074	<0.10	0.49	15.0
GD 5	8/9/2016	12	8.25	5.55	30.20	<0.10	<0.025	<0.10	0.41	11.0

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.19 - ANALYTICAL DATA - GD 3

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS		LABORATORY ANALYSIS				
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 3	3/13/2013	12	8.00	9.28	10.70	0.29	0.028	<0.10	0.44	11.0
GD 3	5/20/2013	12	8.09	7.01	23.40	0.15	0.026	<0.10	0.63	13.0
GD 3	9/23/2013	12	7.80	6.50	26.40	<0.10	0.025	<0.10	0.58	10.0
GD 3	12/10/2013	46	7.85	9.23	9.30	0.21	0.085	0.14	0.64	23.0
GD 3	2/6/2014	90	7.13	10.58	6.10	0.21	<0.025	0.12	0.68	27.0
GD 3	6/26/2014	15	8.13	8.00	*	0.12	<0.025	<0.10	0.40	14.0
GD 3	9/30/2014	20	8.11	6.69	25.06	<0.10	<0.025	<0.10	0.32	19.0
GD 3	11/19/2014	18	8.36	10.88	9.30	<0.10	<0.025	<0.10	0.26	15.0
GD 3	3/23/2015	13	8.32	7.84	16.50	0.22	<0.025	<0.10	0.34	10.0
GD 3	4/22/2015	26	7.86	6.74	20.60	0.18	0.079	<0.10	0.36	21.0
GD 3	9/30/2015	10	7.94	4.91	24.90	0.10	<0.025	0.13	0.74	11.5
GD 3	11/19/2015	40	7.61	7.74	16.00	0.25	<0.025	0.10	<0.25	22.0
GD 3	3/15/2016	26	8.04	8.62	18.70	0.42	0.071	<0.10	<0.25	11.7
GD 3	6/29/2016	6	7.84	2.78	29.94	<0.10	0.088	<0.10	<0.25	10.7
GD 3	8/9/2016	8	7.98	5.09	30.01	<0.10	<0.025	<0.10	0.39	10.0

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.20 - ANALYTICAL DATA - SME 3

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

FIELD PARAMETERS			AMETERS		LABORATORY ANALYSIS					
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
SME 3	3/13/2013	17	7.84	7.44	11.30	0.20	0.038	<0.10	0.69	15.0
SME 3	5/20/2013	19	8.11	6.09	23.60	0.17	0.028	<0.10	0.69	19.0
SME 3	9/23/2013	15		5.32	26.50	<0.10	0.029	<0.10	0.53	13.0
SME 3	12/10/2013	48	7.69	8.85	9.60	<0.10	0.086	<0.10	0.62	20.0
SME 3	2/6/2014	83	7.09	10.62	6.30	0.25	<0.025	<0.10	0.69	33.0
SME 3	6/26/2014	50	8.04	7.03	*	<0.10	0.047	<0.10	0.53	30.0
SME 3	9/30/2014	17	8.08	5.98	25.33	<0.10	<0.025	<0.10	0.66	18.0
SME 3	11/19/2014	22	8.30	10.40	9.30	0.12	0.035	<0.10	<0.25	19.0
SME 3	3/23/2015	25	8.13	7.72	21.20	0.24	0.026	<0.10	0.46	16.0
SME 3	4/22/2015	12	7.76	6.70	21.80	0.15	<0.025	<0.10	0.45	14.0
SME 3	9/30/2015	18	7.96	6.19	25.60	0.13	<0.025	0.13	0.42	24.4
SME 3	11/19/2015	65	7.56	7.44	15.80	0.25	0.032	<0.10	<0.25	37.8
SME 3	3/15/2016	68	8.35	7.51	19.20	0.30	<0.025	<0.10	<0.25	78.8
SME 3	6/29/2016	18	7.80	2.56	30.16	<0.10	0.062	<0.10	0.37	15.3
SME 3	8/9/2016	15	7.52	3.43	29.53	<0.10	<0.025	<0.10	0.56	10.8

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.21 - ANALYTICAL DATA - HB 3

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS		LABORATORY ANALYSIS				
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
HB 3	3/12/2013	33	7.54	9.48	13.90	0.19	0.081	<0.10	0.83	49.0
HB 3	5/20/2013	15	8.21	6.82	27.80	0.17	<0.025	<0.10	0.60	17.0
HB 3	9/23/2013	21	8.02	4.89	25.70	<0.10	0.037	<0.10	0.60	19.0
HB 3	12/10/2013	48	7.90	8.65	10.10	<0.10	0.140	0.15	0.62	20.0
HB 3	2/6/2014	32	7.22	12.24	5.90	0.48	0.030	<0.10	0.37	13.0
HB 3	6/26/2014	12	8.20	7.12	*	<0.10	<0.025	<0.10	0.37	12.0
HB 3	9/30/2014	30	8.05	6.01	24.78	<0.10	<0.025	<0.10	0.48	30.0
HB 3	11/19/2014	56	7.85	8.83	8.80	0.11	0.098	0.12	0.44	51.0
HB 3	3/23/2015	27	8.21	8.40	24.20	0.26	<0.025	<0.10	0.46	35.0
HB 3	4/22/2015	25	7.91	8.36	21.90	0.20	<0.025	<0.10	0.66	22.0
HB 3	9/30/2015	22	7.89	5.05	25.70	<0.10	<0.025	<0.10	0.91	23.0
HB 3	11/19/2015	32	7.83	7.37	17.40	0.38	0.045	<0.10	<0.25	30.2
HB 3	3/15/2016	29	8.52	7.97	19.10	0.30	0.087	<0.10	<0.25	23.8
HB 3	6/29/2016	17	8.02	2.77	30.61	<0.10	<0.025	<0.10	0.51	20.9
HB 3	8/9/2016	11	7.91	4.31	30.19	<0.10	<0.025	<0.10	0.70	14.3

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter



Appendix C

Laboratory Report No. L852190, dated August 16, 2016



ANALYTICAL REPORT

August 16, 2016



S&ME - Huntsville

Sample Delivery Group: Samples Received: Project Number: Description:

L852190 08/10/2016 4482-15-043 Gadsen MS4

Report To:

Mr. Travis Overton 360 D Quality Circle NW Suite 450 Huntsville, AL 35806

Entire Report Reviewed By:

Ceat

Craig Cothron Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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SDG: L852190

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RC14 L852190-01 WW			Collected by Reece Lee	Collected date/time 08/09/16 09:50	Received date/time 08/10/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
Cravimatric Applysic by Mathed 2E40 D 2011	WC000020	1			15.4
Gravinetric Analysis by Method 2540 D-2011	WG898030	1	08/13/16 00:14	08/13/16 02:27	
Wet Chemistry by Method 351.2	WG097912	1	00/11/10 10.01	08/12/16 15:20	JER
Wet Chemistry by Method 355.2	WG097001	1	08/13/10 10.40	00/13/10 10.40	ASK
Wet Chemistry by Method 4500P 5 2011	WG097401 WC907412	1	08/10/16 10.22	00/11/10 11.15	
wet chemisuly by Method 4500P E-2011	WG097413	I	06/10/10 13.14	06/10/16 13.14	JJL
SS5 L852190-02 WW			Collected by Reece Lee	Collected date/time 08/09/16 10:35	Received date/time 08/10/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG898030	1	08/13/16 00:14	08/13/16 02:27	JM
Wet Chemistry by Method 351.2	WG897912	1	08/11/16 18:51	08/12/16 15:00	JER
Net Chemistry by Method 353.2	WG897681	1	08/13/16 16:47	08/13/16 16:47	ASK
Wet Chemistry by Method 365.4	WG897481	1	08/10/16 16:22	08/11/16 11:17	DR
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:15	08/10/16 13:15	JJL
SME1 L852190-03 WW			Collected by Reece Lee	Collected date/time 08/09/16 11:10	Received date/time 08/10/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG898030	1	08/13/16 00:14	08/13/16 02:27	JM
Net Chemistry by Method 351.2	WG897912	1	08/11/16 18:51	08/12/16 15:04	JER
Net Chemistry by Method 353.2	WG897681	1	08/13/16 16:48	08/13/16 16:48	ASK
Wet Chemistry by Method 365.4	WG897910	1	08/11/16 18:50	08/12/16 09:21	DR
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:15	08/10/16 13:15	JJL
GD9 L852190-04 WW			Collected by Reece Lee	Collected date/time 08/09/16 11:15	Received date/time 08/10/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG898030	1	08/13/16 00:14	08/13/16 02:27	JM
Net Chemistry by Method 351.2	WG897912	1	08/11/16 18:51	08/12/16 15:05	JER
Net Chemistry by Method 353.2	WG897681	1	08/13/16 16:49	08/13/16 16:49	ASK
Wet Chemistry by Method 365.4	WG897481	1	08/10/16 16:22	08/11/16 11:19	DR
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:17	08/10/16 13:17	JJL
GD7 L852190-05 WW			Collected by Reece Lee	Collected date/time 08/09/16 11:20	Received date/time 08/10/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG898030	1	08/13/16 00:14	08/13/16 02:27	JM
Net Chemistry by Method 351.2	WG897912	1	08/11/16 18:51	08/12/16 15:06	JER
Net Chemistry by Method 353.2	WG897681	1	08/13/16 16:50	08/13/16 16:50	ASK
Wet Chemistry by Method 365.4	WG897481	1	08/10/16 16:22	08/11/16 11:20	DR
	11/2007/112	1	00/10/10 12:17	00/10/10 12:17	

SDG: L852190

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GD5 L852190-06 WW			Collected by Reece Lee	Collected date/time 08/09/16 14:00	Received date/time 08/10/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
Cravimatric Analysis by Mathad 2540 D 2011	1// С000020	1			IM
Wet Chemistry by Method 251.2	WG090030 WC207012	1	08/13/10 00.14	08/13/16 02.27	JIVI
Wet Chemistry by Method 353.2	WG897681	1	08/13/16 16:56	08/13/16 16:56	ΔSK
Wet Chemistry by Method 365.4	WG897508	1	08/11/16 11:47	08/12/16 08:04	DR
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:18	08/10/16 13:18	JJL
GD3 L852190-07 WW			Collected by Reece Lee	Collected date/time 08/09/16 14:10	Received date/time 08/10/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG898030	1	08/13/16 00:14	08/13/16 02:27	IM
Wet Chemistry by Method 351.2	WG897912	1	08/11/16 18:51	08/12/16 15:09	JFR
Wet Chemistry by Method 353.2	WG897681	1	08/13/16 16:57	08/13/16 16:57	ASK
Wet Chemistry by Method 365.4	WG897508	1	08/11/16 11:47	08/12/16 08:06	DR
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:18	08/10/16 13:18	JJL
SME3 L852190-08 WW			Collected by Reece Lee	Collected date/time 08/09/16 14:20	Received date/time 08/10/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG898030	1	08/13/16 00:14	08/13/16 02:27	JM
Wet Chemistry by Method 351.2	WG898132	1	08/12/16 12:50	08/15/16 09:55	JER
Wet Chemistry by Method 353.2	WG897681	1	08/13/16 16:58	08/13/16 16:58	ASK
Wet Chemistry by Method 365.4	WG897508	1	08/11/16 11:47	08/12/16 08:08	DR
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:19	08/10/16 13:19	JJL
HB3 L852190-09 WW			Collected by Reece Lee	Collected date/time 08/09/16 13:20	Received date/time 08/10/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG898030	1	08/13/16 00:14	08/13/16 02:27	JM
Wet Chemistry by Method 351.2	WG898132	1	08/12/16 12:50	08/15/16 09:57	JER
Wet Chemistry by Method 353.2	WG897681	1	08/13/16 16:59	08/13/16 16:59	ASK
Wet Chemistry by Method 365.4	WG897508	1	08/11/16 11:47	08/12/16 08:14	DR
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:19	08/10/16 13:19	JJL
SME5 1.852190-10 W/W			Collected by Reece Lee	Collected date/time 08/09/16 13:30	Received date/time 08/10/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
	Baten	Bildton	date/time	date/time	, maryst
Gravimetric Analysis by Method 2540 D-2011	WG898030	1	08/13/16 00:14	08/13/16 02:27	JM
Wet Chemistry by Method 351.2	WG898132	1	08/12/16 12:50	08/15/16 09:59	JER
Wet Chemistry by Method 353.2	WG897681	1	08/13/16 17:01	08/13/16 17:01	ASK
Wet Chemistry by Method 365.4	WG897508	1	08/11/16 11:47	08/12/16 08:15	DR
	11/2007/112	4	00/10/10 10:00	09/10/16 12:20	1.0

SDG: L852190

ONE LAB. NATIONWIDE.

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ATS L852190-11 WW			Collected by Reece Lee	Collected date/time 08/09/16 09:25	Received date/time 08/10/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
Gravimetric Analysis by Method 2540 D 2011	WC808033	1		08/13/16 0//·22	IM
Wet Chemistry by Method 351.2	WG898032	1	08/13/10 00:17	08/15/16 10:03	JIM
Wet Chemistry by Method 353.2	WG897681	1	08/12/16 17:03	08/13/16 17:03	V2K 2EK
Wet Chemistry by Method 365.4	WG897508	1	08/11/16 11:47	08/12/16 08:17	DR
Wet Chemistry by Method 300.4 Wet Chemistry by Method 4500P E-2011	WG897508 WG897413	1	08/10/16 13:21	08/10/16 13:21	JJL
GD8 L852190-12 WW			Collected by Reece Lee	Collected date/time 08/09/16 10:02	Received date/time 08/10/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	-
Gravimetric Analysis by Method 2540 D-2011	WG898032	1	08/13/16 00:17	08/13/16 04:22	JM
Wet Chemistry by Method 351.2	WG898132	1	08/12/16 12:50	08/15/16 10:04	JER
Wet Chemistry by Method 353.2	WG897681	1	08/13/16 17:08	08/13/16 17:08	ASK
Net Chemistry by Method 365.4	WG897508	1	08/11/16 11:47	08/12/16 08:18	DR
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:25	08/10/16 13:25	JJL
RC2 852190-13 WW			Collected by Reece Lee	Collected date/time 08/09/16 10:28	Received date/time 08/10/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
	baten	Dilution	date/time	date/time	Analyst
Fravimatric Analysis by Mathed 2540 D 2011	WC808033	1	08/13/16 00:17	08/13/16 0/1.22	IM
Not Chomistry by Mothod 251 2	WC808132	1	08/13/10 00.17	08/15/16 10:07	JIM
Net Chemistry by Method 252.2	WG030132	1	00/12/10 12:50	08/13/16 10:07	JER
Net Chemistry by Method 365.2	WC807508	1	08/13/10 17:03	08/13/16 08:19	
Net Chemistry by Method 4500P F-2011	WG897413	1	08/10/16 13:26	08/10/16 13:26	
	W6037113	I	00/10/10 13:20	00/10/10 13.20	JJL
SS13 852190-14 WW			Collected by Reece Lee	Collected date/time 08/09/16 10:49	Received date/time 08/10/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	2
Gravimetric Analysis by Method 2540 D-2011	WG898032	1	08/13/16 00:17	08/13/16 04:22	JM
Net Chemistry by Method 351.2	WG898132	1	08/12/16 12:50	08/15/16 10:09	JER
Net Chemistry by Method 353.2	WG897681	1	08/13/16 17:10	08/13/16 17:10	ASK
Vet Chemistry by Method 365.4	WG897508	1	08/11/16 11:47	08/12/16 08:20	DR
Net Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:26	08/10/16 13:26	JJL
			Collected by	Collected date/time	Received date/time
SS14 L852190-15 WW			Reece Lee	08/09/16 11:02	08/10/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
Cravimatric Applycic by Mathed 2E40 D 2014	Weener	4			18.4
Diavimentic Analysis by Method 2540 D-2011	WG898032	1	08/13/16 00:17	08/13/16 04:22	ML
Wet Chemistry by Method 351.2	WG898132	1	08/12/16 12:50	08/15/16 10:10	JER
Wet Chemistry by Method 353.2	WG897681	1	08/13/16 17:11	08/13/16/17:11	ASK
Wet Chemistry by Method 365.4	WG89/508	1	08/11/16 11:4/	08/12/16 08:22	DR
wet Chemistry by Method 4500P E-2011	WG897413	I	08/10/16 13:27	08/10/16 13:27	JJL

SDG: L852190

ONE LAB. NATIONWIDE.

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GD12 L852190-16 WW			Collected by Reece Lee	Collected date/time 08/09/16 11:20	Received date/time 08/10/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG898032	1	08/13/16 00:17	08/13/16 04:22	IM
Net Chemistry by Method 351.2	WG898132	1	08/12/16 12:50	08/15/16 10:11	IFR
Net Chemistry by Method 353.2	WG897681	1	08/13/16 17:13	08/13/16 17:13	ASK
Wet Chemistry by Method 365.4	WG897910	1	08/11/16 18:50	08/12/16 09:23	DR
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:29	08/10/16 13:29	JJL
SME2 L852190-17 WW			Collected by Reece Lee	Collected date/time 08/09/16 12:55	Received date/time 08/10/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG898032	1	08/13/16 00:17	08/13/16 04:22	JM
Net Chemistry by Method 351 2	WG898132	1	08/12/16 12:50	08/15/16 10:15	IFR
Wet Chemistry by Method 353.2	WG897681	1	08/13/16 17:14	08/13/16 17:14	ASK
Vet Chemistry by Method 365.4	WGR97910	1	08/11/16 18:50	08/12/16 09:24	DR
Wet Chemistry by Method 4500P F-2011	W/G807/13	1	08/10/16 12:20	08/10/16 13:29	
wer chemisuly by method 4000F E-2011	1003/413	I	UUIUIUIU.23	00/10/10 13.29	JJL
GD6 L852190-18 WW			Collected by Reece Lee	Collected date/time 08/09/16 13:00	Received date/time 08/10/16 09:00
<i>l</i> ethod	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG898032	1	08/13/16 00:17	08/13/16 04:22	JM
Vet Chemistry by Method 3512	WG898132	1	08/12/16 12:50	08/15/16 10:17	IFR
Vet Chemistry by Method 353.2	WG897681	1	08/13/16 17:15	08/13/16 17:15	ASK
Net Chemistry by Method 365.4	WG897910	1	08/11/16 18:50	08/12/16 09:25	DR
Vet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:30	08/10/16 13:30	JJL
			Collected by	Collected data/time	Pocoivad data/tima
CO15 L852190-19 WW			Reece Lee	08/09/16 13:26	08/10/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
	Batem	Bildtion	date/time	date/time	, and you
Gravimetric Analysis by Method 2540 D-2011	WG898032	1	08/13/16 00.17	08/13/16 04·22	IM
Net Chemistry by Method 351.2	WG898032	1	08/12/16 12:50	08/15/16 10.18	IFR
Net Chemistry by Method 353.2	WGR076R1	1	08/13/16 17:21	08/13/16 17:21	2CK
Net Chemistry by Method 365.4	W/C207010	ı 1	08/11/16 18:50	08/12/16 00.27	
Net Chemistry by Method 4500P F-2011	WIC207/12	ı 1	08/10/16 12:21	08/10/16 13:21	
ver chemisuy by method 4500F E-2011	WG03/4I3	I	00/10/10 13.31	06/10/10 15:51	JJL
			Collected by Reece Lee	Collected date/time 08/09/16 12:00	Received date/time 08/10/16 09:00
SIVIE4 L852190-20 WW	_				
l ethod	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG898032	1	08/13/16 00:17	08/13/16 04:22	JM
Vet Chemistry by Method 351.2	WG898132	1	08/12/16 12:50	08/15/16 10:19	JER
Not Chamiotry by Mathed 252.2	WG897681	1	08/13/16 17:22	08/13/16 17:22	ASK
vel Chemistry by Method 353.2		1	08/12/16 12:52	08/13/16 19:09	ASK
Wet Chemistry by Method 353.2 Net Chemistry by Method 365.4	WG898138		00/12/10 12.02	00/10/10 10:00	11011

SDG: L852190

CASE NARRATIVE

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All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Craig Cothron Technical Service Representative

¹ Cp	
² Tc	
³ Ss	
⁴ Cn	
⁵ Sr	
⁶ Qc	
⁷ Gl	
⁸ Al	
⁹ Sc	

SDG: L852190

RC14 Collected date/time: 08/09	9/16 09:50		SAMPL	LE RES	ULTS - 01		ONE LAB. NATIONWIDE.
Gravimetric Analysis	by Method 2	2540 D-20	011				
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Suspended Solids	8.48		2.50	1	08/13/2016 02:27	WG898030	
Wet Chemistry by M	ethod 351.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Kjeldahl Nitrogen, TKN	0.547	B	0.250	1	08/12/2016 15:20	WG897912	
Wet Chemistry by M	ethod 353.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	ND		0.100	1	08/13/2016 16:46	WG897681	
Wet Chemistry by M	ethod 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Phosphorus, Total	ND	J4	0.100	1	08/11/2016 11:15	WG897481	

Wet Chemistry by Method 4500P E-2011

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	08/10/2016 13:14	WG897413

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SS5 Collected date/time: 08/09/16 10:35		SAMPL	E RES	ULTS - 02 ⁰		ONE LAB. NATIONWIDE.	*	
Gravimetric Analysis	by Method 2	2540 D-20)11					1
Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch		Cp
Suspended Solids	12.6		2.50	1	08/13/2016 02:27	WG898030		Tc
Wet Chemistry by M	lethod 351.2							³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch		
Analyte	mg/l		mg/l		date / time			⁴ Cn
Kjeldahl Nitrogen, TKN	0.464	B	0.250	1	08/12/2016 15:00	<u>WG897912</u>		CII
Wet Chemistry by M	lethod 353.2							⁵ Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch		G
Analyte	mg/l		mg/l		date / time			°Qc
Nitrate-Nitrite	ND		0.100	1	08/13/2016 16:47	WG897681		
								⁷ Gl
Wet Chemistry by M	lethod 365.4							
	Result	Qualifier	RDL	Dilution	Analysis	Batch		8
Analyte	mg/l		mg/l		date / time			AI
Phosphorus,Total	ND	<u>J4</u>	0.100	1	08/11/2016 11:17	WG897481		⁹ Sc
Wet Chemistry by M	lethod 4500P	E-2011						

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	08/10/2016 13:15	WG897413

SAMPLE RESULTS - 03



Collected date/time: 08/0	09/16 11:10			L85219	0		
Gravimetric Analysi	s by Method 2	2540 D-201	11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	 Ср
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	12.6		2.50	1	08/13/2016 02:27	<u>WG898030</u>	⁻Tc
Wet Chemistry by N	lethod 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 Cn
Kjeldahl Nitrogen, TKN	0.547	B	0.250	1	08/12/2016 15:04	WG897912	CII
Wet Chemistry by N	lethod 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	 6
Analyte	mg/l		mg/l		date / time		[°] Qc
Nitrate-Nitrite	ND		0.100	1	08/13/2016 16:48	WG897681	
Wet Chemistry by N	lethod 365.4						⁷ Gl
	Result	Qualifier	RDL	Dilution	Analysis	Batch	 8
Analyte	mg/l		mg/l		date / time		AI
Phosphorus,Total	0.154		0.100	1	08/12/2016 09:21	<u>WG897910</u>	⁹ SC
Wet Chemistry by N	lethod 4500F	9 E-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	0.0890		0.0250	1	08/10/2016 13:15	<u>WG897413</u>

Phosphate,Ortho

ND

SAMPLE RESULTS - 04

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Gravimetric Analysi	is by Method	2540 D-20 [°]	11				
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Suspended Solids	9.44		2.50	1	08/13/2016 02:27	<u>WG898030</u>	
Wet Chemistry by N	Method 351.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Kjeldahl Nitrogen, TKN	0.468	B	0.250	1	08/12/2016 15:05	WG897912	
Wet Chemistry by N	Method 353.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	ND		0.100	1	08/13/2016 16:49	WG897681	
Wet Chemistry by N	Nethod 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	ND	<u>J4</u>	0.100	1	08/11/2016 11:19	WG897481	
Wet Chemistry by N	Method 4500	P E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

08/10/2016 13:17

WG897413

0.0250

GD7 Collected date/time: 08/0	09/16 11:20		SAMPL	E RES	ULTS - 05 ⁰		ONE LAB. NATIONWIDE.	*
Gravimetric Analysis	s by Method 2	2540 D-20	11					1
	Result	Qualifier	RDL	Dilution	Analysis	Batch		Ср
Analyte	mg/l		mg/l		date / time			2
Suspended Solids	5.73		2.50	1	08/13/2016 02:27	WG898030		Тс
Wet Chemistry by M	1ethod 351.2							³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch		
Analyte	mg/l		mg/l		date / time			⁴ Cn
Kjeldahl Nitrogen, TKN	0.471	B	0.250	1	08/12/2016 15:06	WG897912		
Wet Chemistry by M	lethod 353.2							⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch		6
Analyte	mg/l		mg/l		date / time			[°] Qc
Nitrate-Nitrite	ND		0.100	1	08/13/2016 16:50	WG897681		
								⁷ Gl
Wet Chemistry by M	lethod 365.4							
	Result	Qualifier	RDL	Dilution	Analysis	Batch		8
Analyte	mg/l		mg/l		date / time			A
Phosphorus,Total	ND	<u>J4</u>	0.100	1	08/11/2016 11:20	WG897481		⁹ Sc
Wat Chamistry by M	lethod 45005	P F_2011						
wet Chemistry Dy IV		L-2011						

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	08/10/2016 13:17	WG897413

GD5 Collected date/time: 08/09/16 14	4:00		SAMPLE	RES 185219	ULTS - 06 º	ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by M	Method 25	40 D-201	1				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	11.0		2.50	1	08/13/2016 02:27	WG898030	Tc
Wet Chemistry by Metho	d 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 (C)
Kjeldahl Nitrogen, TKN	0.412	В	0.250	1	08/12/2016 15:08	WG897912	СП
Wet Chemistry by Metho	d 353.2						⁵ Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	C
Analyte	mg/l		mg/l		date / time		°Qc
Nitrate-Nitrite	ND		0.100	1	08/13/2016 16:56	WG897681	
Wat Chamistry by Matha	d 365 /						⁷ Gl
	u 303. 4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	⁸ Al
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	ND		0.100	1	08/12/2016 08:04	WG897508	⁹ Sc
Wet Chemistry by Metho	d 4500P E	-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	08/10/2016 13:18	WG897413

SAMPLE RESULTS - 07



	is by Method.	2340 D-20					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Suspended Solids	10.0		2.50	1	08/13/2016 02:27	<u>WG898030</u>	
Wet Chemistry by N	Method 351.2						[
	Result	Qualifier	RDL	Dilution	Analysis	Batch	[
Analyte	mg/l		mg/l		date / time		
Kjeldahl Nitrogen, TKN	0.393	<u>B J6</u>	0.250	1	08/12/2016 15:09	WG897912	
Wet Chemistry by N	Nethod 353.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	ND		0.100	1	08/13/2016 16:57	WG897681	
Wet Chemistry by N	Nethod 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	ND		0.100	1	08/12/2016 08:06	WG897508	
Wet Chemistry by N	Method 4500I	⁻ E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	

Analyte	mg/l	mg/l		date / time	
Phosphate,Ortho	ND	0.0250	1	08/10/2016 13:18	WG897413

SME3 Collected date/time: 08/09/16 1	4:20		SAMPLE	RES 185219	ULTS - 08 º	ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by	Method 25	40 D-201	11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	10.8		2.50	1	08/13/2016 02:27	<u>WG898030</u>	⁻Tc
Wet Chemistry by Metho	od 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 Cn
Kjeldahl Nitrogen, TKN	0.564	B	0.250	1	08/15/2016 09:55	<u>WG898132</u>	СП
Wet Chemistry by Metho	od 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	C
Analyte	mg/l		mg/l		date / time		°Qc
Nitrate-Nitrite	ND		0.100	1	08/13/2016 16:58	WG897681	
							⁷ Gl
wet Chemistry by Metho	00 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	⁸ ΔI
Analyte	mg/l		mg/l		date / time		7.4
Phosphorus, Total	ND	<u>J6</u>	0.100	1	08/12/2016 08:08	<u>WG897508</u>	9 SC
Wet Chemistry by Metho	od 4500P E	E-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	08/10/2016 13:19	WG897413

HB3 Collected date/time: 08/09/16 1	3:20		SAMPLE	RES 185219	ULTS - 09 °	ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by I	Method 25	40 D-201	1				1
Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch	Ср
Suspended Solids	14.3		2.50	1	08/13/2016 02:27	WG898030	² Tc
Wet Chemistry by Metho	od 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 Cn
Kjeldahl Nitrogen, TKN	0.703	B	0.250	1	08/15/2016 09:57	WG898132	СП
Wet Chemistry by Metho	od 353.2						⁵ Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	C
Analyte	mg/l		mg/l		date / time		°Qc
Nitrate-Nitrite	ND		0.100	1	08/13/2016 16:59	WG897681	
							⁷ CI
Wet Chemistry by Metho	d 365.4						Gi
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		AI
Phosphorus, Total	ND		0.100	1	08/12/2016 08:14	WG897508	9
Wet Chemistry by Metho	d 4500P E	-2011					SC

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	08/10/2016 13:19	WG897413

SME5 Collected date/time: 08/09/16 1	3:30		SAMPLE	RES	ULTS - 10 ₀		ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by I	Method 25	40 D-201	1					1
	Result	Qualifier	RDL	Dilution	Analysis	Batch		Ср
Analyte	mg/l		mg/l		date / time			2
Suspended Solids	11.7		2.50	1	08/13/2016 02:27	<u>WG898030</u>		Tc
Wet Chemistry by Metho	d 351.2							³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch		
Analyte	mg/l		mg/l		date / time			⁴ Cm
Kjeldahl Nitrogen, TKN	0.768	B	0.250	1	08/15/2016 09:59	WG898132		CII
Wet Chemistry by Metho	d 353.2							⁵ Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch		0
Analyte	mg/l		mg/l		date / time			°Qc
Nitrate-Nitrite	ND		0.100	1	08/13/2016 17:01	WG897681		
								⁷ CI
Wet Chemistry by Metho	d 365.4							G
	Result	Qualifier	RDL	Dilution	Analysis	Batch		8
Analyte	mg/l		mg/l		date / time			AI
Phosphorus,Total	ND		0.100	1	08/12/2016 08:15	WG897508		9
Wet Chemistry by Metho	d 4500P E	-2011						

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	08/10/2016 13:20	<u>WG897413</u>

Phosphate,Ortho

SAMPLE RESULTS - 11



	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Suspended Solids	18.3		2.50	1	08/13/2016 04:22	WG898032
Wet Chemistry by I	Method 351.2					
	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	0.268	B	0.250	1	08/15/2016 10:03	WG898132
Wet Chemistry by I	Method 353.2					
	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Nitrate-Nitrite	0.975		0.100	1	08/13/2016 17:03	WG897681
Wet Chemistry by I	Method 365.4					
	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphorus,Total	0.502		0.100	1	08/12/2016 08:17	WG897508
Wet Chemistry by I	Method 4500	P E-2011				
	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analuto	ma/l		ma/l		dato / timo	

08/10/2016 13:21

WG897413

0.0250

1

0.482

Phosphate,Ortho

ND

SAMPLE RESULTS - 12

*

	is by Method	2540 D-20					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Suspended Solids	6.30		2.50	1	08/13/2016 04:22	<u>WG898032</u>	
Wet Chemistry by N	Method 351.2						:
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		·
Kjeldahl Nitrogen, TKN	0.668	B J6	0.250	1	08/15/2016 10:04	WG898132	
Wet Chemistry by N	Method 353.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	0.217		0.100	1	08/13/2016 17:08	WG897681	
Wet Chemistry by N	Method 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	ND		0.100	1	08/12/2016 08:18	<u>WG897508</u>	
Wet Chemistry by N	Method 4500	P E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

08/10/2016 13:25

WG897413

0.0250

RC2 Collected date/time: 08/09/16 10	0:28		SAMPLE	RES	ULTS - 13		ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by N	Method 254	40 D-201'	1					1
	Result	Qualifier	RDL	Dilution	Analysis	Batch		Ср
Analyte	mg/l		mg/l		date / time			2
Suspended Solids	9.90		2.50	1	08/13/2016 04:22	WG898032		Tc
Wet Chemistry by Metho	d 351.2							³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch		
Analyte	mg/l		mg/l		date / time			⁴ Cn
Kjeldahl Nitrogen, TKN	0.454	B	0.250	1	08/15/2016 10:07	WG898132		СП
Wet Chemistry by Metho	d 353.2							⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch		6
Analyte	mg/l		mg/l		date / time			[°] Qc
Nitrate-Nitrite	0.140		0.100	1	08/13/2016 17:09	WG897681		
								⁷ Gl
Wet Chemistry by Metho	d 365.4							
	Result	Qualifier	RDL	Dilution	Analysis	Batch		8
Analyte	mg/l		mg/l		date / time			AI
Phosphorus,Total	ND		0.100	1	08/12/2016 08:19	<u>WG897508</u>		9
		0.044						Sc
Wet Chemistry by Metho	d 4500P E	-2011						

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	08/10/2016 13:26	WG897413

F

SS13 Collected date/time: 08/0	9/16 10:49		SAMPLE	E RES	ULTS - 14		ONE LAB
Gravimetric Analysis	by Method 2	2540 D-20	11				
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Suspended Solids	24.0		2.50	1	08/13/2016 04:22	WG898032	
Wet Chemistry by M	lethod 351.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Kjeldahl Nitrogen, TKN	0.728	B	0.250	1	08/15/2016 10:09	WG898132	
Wet Chemistry by M	lethod 353.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	ND		0.100	1	08/13/2016 17:10	WG897681	
Wet Chemistry by M	lethod 365.4						

	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		AI
Phosphorus,Total	ND		0.100	1	08/12/2016 08:20	<u>WG897508</u>	⁰Sc

Wet Chemistry by Method 4500P E-2011

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate, Ortho	ND		0.0250	1	08/10/2016 13:26	WG897413



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Qc

GI

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	08/10/2016 13:26	WG897413

SS14 Collected date/time: 08/0	9/16 11:02		SAMPI	_E RES	ULTS - 15		ONE LAB. NATIONWIDE.	*
Gravimetric Analysis	by Method 2	2540 D-20	11					1
	Result	Qualifier	RDL	Dilution	Analysis	Batch		Ср
Analyte	mg/l		mg/l		date / time			2
Suspended Solids	12.7	<u>J3</u>	2.50	1	08/13/2016 04:22	WG898032		Tc
Wet Chemistry by M	ethod 351.2							³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch		
Analyte	mg/l		mg/l		date / time			4 Cn
Kjeldahl Nitrogen, TKN	0.871		0.250	1	08/15/2016 10:10	WG898132		CII
Wet Chemistry by M	ethod 353.2							⁵ Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch		G
Analyte	mg/l		mg/l		date / time			°Qc
Nitrate-Nitrite	0.164	P1	0.100	1	08/13/2016 17:11	WG897681		
								⁷ Gl
Wet Chemistry by M	ethod 365.4							
	Result	Qualifier	RDL	Dilution	Analysis	Batch		⁸ A I
Analyte	mg/l		mg/l		date / time			
Phosphorus, Total	0.119		0.100	1	08/12/2016 08:22	<u>WG897508</u>		⁹ Sc
Wet Chemistry by M	ethod 4500F	^D E-2011						

Dilution

1

Analysis

date / time

08/10/2016 13:27

Batch

WG897413

Qualifier

Result

0.0620

mg/l

Analyte

Phosphate,Ortho

RDL

mg/l

0.0250



	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Suspended Solids	13.3		2.50	1	08/13/2016 04:22	WG898032	
Wet Chemistry by N	Nethod 351.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Kjeldahl Nitrogen, TKN	0.629	B	0.250	1	08/15/2016 10:11	WG898132	
Wet Chemistry by N	/lethod 353.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	ND		0.100	1	08/13/2016 17:13	<u>WG897681</u>	
Wet Chemistry by N	/lethod 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	ND		0.100	1	08/12/2016 09:23	WG897910	
Wet Chemistry by N	/lethod 4500l	P E-2011					
		0 110					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	08/10/2016 13:29	WG897413

SME2 Collected date/time: 08/09/16 1	2:55	:	SAMPLE	RES	ULTS - 17	0	NE LAB. NATIONWIDE.	*
Gravimetric Analysis by N	Method 25	40 D-2011						1
Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch		Ср
Suspended Solids	8.16		2.50	1	08/13/2016 04:22	WG898032		² Tc
Wet Chemistry by Metho	d 351.2							³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch		
Analyte	mg/l		mg/l		date / time			⁴ Cn
Kjeldahl Nitrogen, TKN	0.585	B	0.250	1	08/15/2016 10:15	WG898132		
Wet Chemistry by Metho	d 353.2							⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch		G
Analyte	mg/l		mg/l		date / time			[°] Qc
Nitrate-Nitrite	ND		0.100	1	08/13/2016 17:14	WG897681		
Wat Chamistry by Matha	d 365 /							⁷ Gl
wet chemistry by Metho	u 505.4							
	Result	Qualifier	RDL	Dilution	Analysis	Batch		⁸ Al
Analyte	mg/l		mg/l		date / time			
Phosphorus, Total	ND		0.100	1	08/12/2016 09:24	<u>WG897910</u>		⁹ Sc
Wet Chemistry by Metho	d 4500P E	-2011						

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate, Ortho	ND		0.0250	1	08/10/2016 13:29	WG897413

Analyte

Phosphate,Ortho

mg/l

ND

SAMPLE RESULTS - 18



concerca date/rime: 00/	03/10 13.00			205215			
Gravimetric Analysi	s by Method 2	2540 D-201	11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Cp
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	10.3		2.50	1	08/13/2016 04:22	WG898032	Ťc
Wet Chemistry by N	Aethod 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		⁴ Cn
Kjeldahl Nitrogen, TKN	0.621	B	0.250	1	08/15/2016 10:17	<u>WG898132</u>	CIT
Wet Chemistry by N	/lethod 353.2						⁵ Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		۵۵
Nitrate-Nitrite	ND		0.100	1	08/13/2016 17:15	WG897681	7
Wet Chemistry by N	/lethod 365.4						[′] Gl
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		AI
Phosphorus,Total	ND		0.100	1	08/12/2016 09:25	WG897910	9 6
Wet Chemistry by N	/lethod 4500	P E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	

date / time

08/10/2016 13:30

WG897413

mg/l

0.0250

Phosphate,Ortho

ND

SAMPLE RESULTS - 19

*

Gravimetric Analysi	is by Method	2540 D-20 [°]	11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	C
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	22.0		2.50	1	08/13/2016 04:22	WG898032	ĹΤ
Wet Chemistry by N	Method 351.2						³ S
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4
Kjeldahl Nitrogen, TKN	ND		0.250	1	08/15/2016 10:18	WG898132	
Wet Chemistry by N	Method 353.2						⁵ S
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		ິິ ຊີ
Nitrate-Nitrite	ND		0.100	1	08/13/2016 17:21	WG897681	7
Wet Chemistry by N	Method 365.4						Í G
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		A
Phosphorus,Total	ND		0.100	1	08/12/2016 09:27	WG897910	9 9
Wet Chemistry by N	Method 4500I	P E-2011					5
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

08/10/2016 13:31

WG897413

0.0250

SME4 Collected date/time: 08/09/16 1	2:00		SAMPLE	RES 185219	ULTS - 20 º	ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by I	Method 25	40 D-201	1				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	18.3		2.50	1	08/13/2016 04:22	WG898032	Тс
Wet Chemistry by Metho	od 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 Cp
Kjeldahl Nitrogen, TKN	0.271	В	0.250	1	08/15/2016 10:19	WG898132	СП
Wet Chemistry by Methc	od 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	C
Analyte	mg/l		mg/l		date / time		°Qc
Nitrate-Nitrite	0.965		0.100	1	08/13/2016 17:22	WG897681	
							7
Wet Chemistry by Metho	od 365.4						GI
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		AI
Phosphorus, Total	0.494		0.100	1	08/13/2016 19:09	WG898138	9
							Sc
Wet Chemistry by Metho	d 4500P E	-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	0.479		0.0250	1	08/10/2016 13:31	WG897413

Gravimetric Analysis by Method 2540 D-2011

QUALITY CONTROL SUMMARY L852190-01.02.03.04.05.06.07.08.09.10

Τс

Ss

Cn

Sr

Qc

Sc

Method Blank (MB)

(MB) R3156678-1 08/13/16 02:27						
	MB Result	MB Qualifier	MB MDL	MB RDL		
Analyte	mg/l		mg/l	mg/l		
Suspended Solids	U		0.350	2.50		

L852109-01 Original Sample (OS) • Duplicate (DUP)

(OS) L852109-01 08/13/16	02:27 • (DUP) F	R3156678-4 0	8/13/16 02	::27		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Suspended Solids	71.0	69.0	1	2.86		5

L852187-01 Original Sample (OS) • Duplicate (DUP)

		/		_ ·)			7
(OS) L852187-01 08/13/16	02:27 • (DUP) F	R3156678-5 0	8/13/16 02	2:27			GI
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits	
Analyte	mg/l	mg/l		%		%	⁸ Al
Suspended Solids	500	512	1	2.37		5	

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3156678-2 08/13/16	5 02:27 • (LCSE) R3156678-3	08/13/16 02:27	7						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Suspended Solids	773	788	784	102	101	85.0-115			0.509	5

DATE/TIME: 08/16/16 16:15

Gravimetric Analysis by Method 2540 D-2011

QUALITY CONTROL SUMMARY L852190-11,12,13,14,15,16,17,18,19,20

Τс

Ss

Cn

Sr

Qc

Sc

Method Blank (MB)

(MB) R3156694-1 08/13/16	04:22			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Suspended Solids	U		0.350	2.50

L852190-15 Original Sample (OS) • Duplicate (DUP)

(OS) L852190-15 08/13/16	04:22 • (DUP) F	R3156694-4 0	8/13/16 04	1:22		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Suspended Solids	12.7	11.8	1	7.27	<u>J3</u>	5

L852235-01 Original Sample (OS) • Duplicate (DUP)

L852255-01 Oligina		03) • Dupi	icate (L	JOF)			7
(OS) L852235-01 08/13/16	04:22 • (DUP)	R3156694-5 C	08/13/16 0	4:22			GI
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits	
Analyte	mg/l	mg/l		%		%	⁸ Al
Suspended Solids	512	470	1	8.55	J3	5	

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3156694-2 08/13/16	5 04:22 • (LCSE	D) R3156694-3	08/13/16 04:22	2						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Suspended Solids	773	768	792	99.4	102	85.0-115			3.08	5

DATE/TIME: 08/16/16 16:15

Wet Chemistry by Method 351.2

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3156483-2 08/12/	16 14:50			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Kjeldahl Nitrogen, TKN	0.203	J	0.0350	0.250

L852118-01 Original Sample (OS) • Duplicate (DUP)

(OS) L852118-01 08/12/16	15:17 • (DUP) R3	156483-7 08	/12/16 15:18	1		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Kjeldahl Nitrogen, TKN	0.771	0.352	1	75.0	<u>P1</u>	20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3156483-8 08/12/16	6 16:16 • (LCSD)	R3156483-9 (08/12/16 16:17							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Kjeldahl Nitrogen, TKN	17.6	16.4	16.2	93.0	92.0	90.0-110			1.00	20

L852190-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L852190-07 08/12/16	vS) L852190-07 08/12/16 15:09 • (MS) R3156483-6 08/12/16 15:10												
	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier						
Analyte	mg/l	mg/l	mg/l	%		%							
Kjeldahl Nitrogen, TKN	5.00	0.393	4.84	89.0	1	90.0-110	J6						

DATE/TIME: 08/16/16 16:15

Wet Chemistry by Method 351.2

QUALITY CONTROL SUMMARY L852190-08.09.10.11.12.13.14.15.16.17.18.19.20

Ср

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Method Blank (MB)

(MB) R3156769-1 08/15/	16 09:48			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Kjeldahl Nitrogen, TKN	0.0808	J	0.0350	0.250

L852190-09 Original Sample (OS) • Duplicate (DUP)

(OS) L852190-09 08/15/	16 09:57 • (DUP)	R3156769-4 (08/15/16 0	9:58		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Kjeldahl Nitrogen, TKN	0.703	0.732	1	4.00		20

L852190-17 Original Sample (OS) • Duplicate (DUP)

(OS) L852190-17 08/15/16	OS) L852190-17 08/15/16 10:15 • (DUP) R3156769-7 08/15/16 10:16												
Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD Limits													
Analyte	mg/l	mg/l		%		%							
Kjeldahl Nitrogen, TKN	0.585	0.507	1	14.0		20							

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3156769-2 08/15/16	,LCS) R3156769-2 08/15/16 09:49 • (LCSD) R3156769-3 08/15/16 09:51												
Spike Amount LCS Result LCSD Result LCS Rec. LCSD Rec. Rec. Limits LCS Qualifier LCSD Qualifier RPD RPD Limits													
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%			
Kjeldahl Nitrogen, TKN	17.6	16.0	16.3	91.0	93.0	90.0-110			2.00	20			

L852190-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

OS) L852190-12 08/15/16 10:04 • (MS) R3156769-5 08/15/16 10:05 • (MSD) R3156769-6 08/15/16 10:06												
Spike Amount Original Result MS Result MS Result MS Rec. MSD Rec. Dilution Rec. Limits MS Qualifier MSD Qualifier RPD RPD Limits												
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Kjeldahl Nitrogen, TKN	5.00	0.668	4.85	4.67	84.0	80.0	1	90.0-110	J6	J6	4.00	20

L852259-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L852259-02 08/15/1	6 10:24 • (MS) R	3156769-8 08	/15/16 10:25				
	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Kjeldahl Nitrogen, TKN	5.00	1.03	4.27	65.0	1	90.0-110	J6

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Wet Chemistry by Method 353.2

QUALITY CONTROL SUMMARY L852190-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20

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Method Blank (MB)

(MB) R3156595-1 08/13/16	6 16:42			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Nitrate-Nitrite	U		0.0197	0.100

L852190-05 Original Sample (OS) • Duplicate (DUP)

(OS) L852190-05 08/13/16	6 16:50 • (DUP) I	R3156595-4 C	08/13/16 16	:55		
	Original Result	DUP Result	Dilution	DUP RPD	DUP RPD Limits	
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	ND	ND	1	0.000		20

L852190-15 Original Sample (OS) • Duplicate (DUP)

(OS) L852190-15 08/13/16	OS) L852190-15 08/13/16 17:11 • (DUP) R3156595-6 08/13/16 17:12												
Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD Limits													
Analyte	mg/l	mg/l		%		%							
Nitrate-Nitrite	0.164	0.318	1	64.0	P1	20							

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3156595-2 08/13/1	LCS) R3156595-2 08/13/16 16:43 • (LCSD) R3156595-3 08/13/16 16:44												
Spike Amount LCS Result LCSD Result LCS Rec. LCSD Rec. Rec. Limits LCS Qualifier LCSD Qualifier RPD RPD Limits													
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%			
Nitrate-Nitrite	5.00	5.00	5.22	100	104	90.0-110			4.00	20			

L852190-10 Original Sample (OS) • Matrix Spike (MS)

(OS) L852190-10 08/13/16	17:01 • (MS) R31	56595-5 08/1	3/16 17:02				
	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Nitrate-Nitrite	5.00	ND	5.05	101	1	90.0-110	

L852190-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L852190-20 08/13/16 17:22 • (MS) R3156595-7 08/13/16 17:23 • (MSD) R3156595-8 08/13/16 17:24												
Spike Amount Original Result MS Result MS Result MS Rec. MSD Rec. Dilution Rec. Limits MS Qualifier MSD Qualifier RPD RPD Limits												
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate-Nitrite	5.00	0.965	6.07	6.04	102	102	1	90.0-110			0.000	20

ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
S&ME - Huntsville	4482-15-043	L852190	08/16/16 16:15	32 of 43

Wet Chemistry by Method 365.4

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3156012-1 08/11/16 10:46										
	MB Result	MB Qualifier	MB MDL	MB RDL						
Analyte	mg/l		mg/l	mg/l						
Phosphorus,Total	U		0.0350	0.100						

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3156012-2 08/11/16	(LCS) R3156012-2 08/11/16 10:47 • (LCSD) R3156012-3 08/11/16 10:48														
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits					
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%					
Phosphorus, Total	1.00	1.24	1.25	124	125	90.0-110	<u>J4</u>	<u>J4</u>	1.00	20					

SDG: L852190 DATE/TIME: 08/16/16 16:15 PAGE: 33 of 43

Wet Chemistry by Method 365.4

QUALITY CONTROL SUMMARY L852190-06,07,08,09,10,11,12,13,14,15

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Method Blank (MB)

(MB) R3156293-1	08/12/16	07:59			
		MB Result	MB Qualifier	MB MDL	MB RDL
Analyte		mg/l		mg/l	mg/l
Phosphorus,Total		U		0.0350	0.100

L852190-06 Original Sample (OS) • Duplicate (DUP)

(OS) L852190-06 08/12/16	(OS) L852190-06 08/12/16 08:04 • (DUP) R3156293-4 08/12/16 08:05											
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits						
Analyte	mg/l	mg/l		%		%						
Phosphorus, Total	ND	ND	1	0.000		20						

L852542-02 Original Sample (OS) • Duplicate (DUP)

(OS) L852542-02 08/12/16	(OS) L852542-02 08/12/16 08:24 • (DUP) R3156293-7 08/12/16 08:28											
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits						
Analyte	mg/l	mg/l		%		%						
Phosphorus, Total	0.634	0.676	1	6.00		20						

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3156293-2 08/12/16	LCS) R3156293-2 08/12/16 08:00 • (LCSD) R3156293-3 08/12/16 08:01													
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits				
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%				
Phosphorus,Total	1.00	0.934	0.920	93.0	92.0	90.0-110			2.00	20				

L852190-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L852190-08 08/12/16	OS) L852190-08 08/12/16 08:08 • (MS) R3156293-5 08/12/16 08:09 • (MSD) R3156293-6 08/12/16 08:10													
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits		
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%		
Phosphorus,Total	2.50	ND	2.36	2.21	91.0	85.0	1	90.0-110		J6	7.00	20		

ACCOUNT:									
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PROJECT: 4482-15-043

SDG: L852190 DATE/TIME: 08/16/16 16:15

Wet Chemistry by Method 365.4

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Method Blank (MB)

MB) R3156310-1 08/12/16 08:52									
	MB Result	MB Qualifier	MB MDL	MB RDL					
Analyte	mg/l		mg/l	mg/l					
Phosphorus,Total	U		0.0350	0.100					

L852115-03 Original Sample (OS) • Duplicate (DUP)

(OS) L852115-03 08/12/16	(OS) L852115-03 08/12/16 08:57 • (DUP) R3156310-4 08/12/16 08:58											
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits						
Analyte	mg/l	mg/l		%		%						
Phosphorus, Total	0.523	0.528	1	1.00		20						

L852280-03 Original Sample (OS) • Duplicate (DUP)

(OS) L852280-03 08/12/16	(OS) L852280-03 08/12/16 09:30 • (DUP) R3156310-7 08/12/16 09:32												
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits							
Analyte	mg/l	mg/l		%		%							
Phosphorus, Total	4.74	4.95	1	4.00		20							

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3156310-2 08/12/16	LCS) R3156310-2 08/12/16 08:53 • (LCSD) R3156310-3 08/12/16 08:55													
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits				
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%				
Phosphorus, Total	1.00	0.974	1.02	97.0	102	90.0-110			5.00	20				

L852171-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L852171-01 08/12/16 0	OS) L852171-01 08/12/16 09:12 • (MS) R3156310-5 08/12/16 09:14 • (MSD) R3156310-6 08/12/16 09:15											
Spike Amount Original Result MS Result MSD Result MS Rec. MSD Rec. Dilution Rec. Limits <u>MS Qualifier</u> MSD Qualifier RPD RPD Limits												
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Phosphorus,Total	2.50	2.38	4.55	4.59	87.0	88.0	1	90.0-110	<u>J6</u>	<u>J6</u>	1.00	20

SDG: L852190 DATE/TIME: 08/16/16 16:15

Wet Chemistry by Method 365.4

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Method Blank (MB)

(MB) R3156597-1	08/13/16 19:01			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Phosphorus,Total	U		0.0350	0.100

L852230-02 Original Sample (OS) • Duplicate (DUP)

(OS) L852230-02 08/13/1	IS) L852230-02 08/13/16 19:18 • (DUP) R3156597-6 08/13/16 19:19										
Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD Limits											
Analyte	mg/l	mg/l		%		%					
Phosphorus, Total	1.76	1.82	1	3.00		20					

L852259-02 Original Sample (OS) • Duplicate (DUP)

(OS) L852259-02 08/13/16	JS) L852259-02 08/13/16 19:30 • (DUP) R3156597-7 08/13/16 19:32											
Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD Limits												
Analyte	mg/l	mg/l		%		%						
Phosphorus, Total	0.330	0.326	1	1.00		20						

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3156597-2 08/13/16	LCS) R3156597-2 08/13/16 19:02 • (LCSD) R3156597-3 08/13/16 19:04												
Spike Amount LCS Result LCS Result LCS Rec. LCSD Rec. Rec. Limits LCS Qualifier LCSD Qualifier RPD RPD Limits													
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%			
Phosphorus, Total	1.00	0.951	0.959	95.0	96.0	90.0-110			1.00	20			

L852225-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L852225-01 08/13/16	OS) L852225-01 08/13/16 19:10 • (MS) R3156597-4 08/13/16 19:11 • (MSD) R3156597-5 08/13/16 19:12											
Spike Amount Original Result MS Result MS Result MS Rec. MSD Rec. Dilution Rec. Limits MS Qualifier MSD Qualifier RPD RPD Limits												
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Phosphorus,Total	2.50	2.83	5.35	5.07	101	90.0	1	90.0-110	E	E	5.00	20

ACCOUNT:	
S&ME - Huntsville	

PROJECT: 4482-15-043

SDG: L852190 DATE/TIME: 08/16/16 16:15

Wet Chemistry by Method 4500P E-2011

QUALITY CONTROL SUMMARY L852190-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20

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Method Blank (MB)

(MB) R3155708-1	08/10/16 13:12			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Phosphate,Ortho	U		0.00900	0.0250

L852190-10 Original Sample (OS) • Duplicate (DUP)

(OS) L852190-10 08/10/16	13:20 • (DUP) R	3155708-4 08	8/10/16 13:	20						
Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD Limits										
Analyte	mg/l	mg/l		%		%				
Phosphate,Ortho	ND	ND	1	0.000		20				

L852190-20 Original Sample (OS) • Duplicate (DUP)

(OS) L852190-20 08/10/16	DS) L852190-20 08/10/16 13:31 • (DUP) R3155708-7 08/10/16 13:32											
	Original Result DUP Result Dilution DUP RPD DUP Qualifier DUP RPD Limits											
Analyte	mg/l	mg/l		%		%						
Phosphate,Ortho	0.479	0.499	1	4.00		20						

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3155708-2 08/10/1	_CS) R3155708-2 08/10/16 13:12 • (LCSD) R3155708-3 08/10/16 13:12												
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits			
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%			
Phosphate,Ortho	0.750	0.751	0.755	100	101	85.0-115			1.00	20			

L852190-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L852190-10 08/10/16	OS) L852190-10 08/10/16 13:20 • (MS) R3155708-5 08/10/16 13:20 • (MSD) R3155708-6 08/10/16 13:21											
Spike Amount Original Result MS Result MS Result MS Rec. MSD Rec. Dilution Rec. Limits MS Qualifier MSD Qualifier RPD RPD Limits												
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Phosphate,Ortho	0.500	ND	0.531	0.528	106	106	1	80.0-120			1.00	20

SDG: L852190 DATE/TIME: 08/16/16 16:15

GLOSSARY OF TERMS

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SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Rec.	Recovery.

Qualifier	Description
В	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J4	The associated batch QC was outside the established quality control range for accuracy.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

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ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.** * Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
lowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee 14	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



ACCOUNT:	PROJECT:	SDG:
S&ME - Huntsville	4482-15-043	L852190

		Bi	illing Inform	nation:		, ett			Ana	lysis / Co	ontainer / Pr	eservativ	e		Chain of Custody	Pageof
S&ME - Huntsville 360 D Quality Circle NW Suite 450 Huntsville, AL 35806		A 3 5 H	accounts 60 D Qua 5uite 450 Huntsville Fmail To: to	Payable ality Circle NW e, AL 35806 verton@smeinc.con	n				25						L · A · B S · C VOUR LAB 12065 Lebanon Rd Mount Juliet, TN 37 Phone: 615-758-588 Phone: 800-767-588	
Mr. Travis Overton				City/State 1	1 /1 /	_			504						Fax: 615-758-5859	
Project Gadsden M. Description:	54			Collected: 690	sden AL	-	SS	N	E-H2						L# 350 H183	2/90
Phone: 256-837-8882	Client Project # 4482-15-043	3		Lab Project # QOREHAL-4482	215043		E-NoPr	04 <	INHDPI						Acctnum: QO	REHAL
Collected by (print): Ripre Lee	Site/Facility ID	#	18. J	P.O. #	Ite Needed		HDPE	E-H2SC	3 250r	NoPre					Template: T1	14559 5 3732
Collected by (signature):	Rush? (La Same D Next Da Two Da Three D	ab MUST Be N ay y y ay	Notified) 200% 100% 50% 25%	Email?N FAX?N	o X_Yes	No. of	RTHO 250n	250mlHDP	IN / NO2NO	S 1L-HDPE					TSR: 034 - Cra PB: 8-2- Shipped Via:	ig Cothron
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	PO	PT	¥	TS					Kem./Containing	01
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SS5	1	ww			10:35	4	X		^ X	X						3
SINFI		ww			11:10	4	×		X	X						04
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* Matrix: SS - Soil GW - Groundv Remarks:	water WW - Waste	Water DW - I	Drinking Wa	ater OT - Other	6903	3 4	754 754	0130	137	pH Flow		Temp _ Other _		Hold #		(Jahura oply)
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Cooler Receipt Checklist

YOUR LAB OF CHOICE

DOLEHAL

Client:_

Cooler Received/Opened On: 8-10-16

Temperature Upon Receipt: <u>() - 3.2</u>°c

Caleb Busby By

852190

SDG#

(Signature)

Vere custody seals on outside of cooler and intact? Vere custody papers properly filled out (ink, signed, etc.)?		
Vere custody papers properly filled out (ink, signed, etc.)?		
Were custody papers properly filled out (inity signed) and (inity signed)		
Did all bottles arrive in good condition?		
Nere contect bottles ascares and in each hottle?		
Nas sufficient amount of sample sellum each accordent		
More correct preservatives used?		
were contemported for preservation?		
(Any samples not in accepted pH range noted on cock		×
restriction was an observable VOA headspace present?		2
It applicable, was all observes and ut us say attached NCF)	5	

12065 LEBANON ROAD

MOUNT JULIET, TENNESSEE 37122 www.esclabsciences.com • sales@esclabsciences.com 800.767.5859 • 615.758.5858 • FAX 615.758.5859 een Technology through Innovation



Monitoring Report Fourth Quarter 2016 Gadsden Alabama Urbanized Area Phase II Small MS4 NPDES General Permit ALR040009 Gadsden, Etowah County, Alabama S&ME Project No. 4482-16-056



Prepared for: Gadsden-Etowah MS4 Steering Committee

> Prepared by: S&ME, Inc. 360D Quality Circle, NW Suite 450 Huntsville, AL 35806

> > January 10, 2017


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Appendix B

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Appendix C

Laboratory Report No. L877154, dated December 15, 2016 Laboratory Report No. L877168, dated December 15, 2016



1.0 Introduction

S&ME, Inc. has prepared this Monitoring Report for the *Gadsden, Alabama Urbanized Area* Phase II small MS4 in accordance with S&ME Proposal No. 44-1600328, dated July 22, 2016. Authorization date and responsible official for each entity are provided in Table 1.1.

Name	Entity	Date		
Wally Burns, Mayor	City of Southside	February 15, 2017		
Tim Graves, County Engineer	Etowah County	January 24, 2017		
Sherman Guyton, Mayor	City of Gadsden	November 16, 2016		
Jason Nicholson, City Engineer	City of Attalla	November 4, 2016		
Jeff Cheatwood, Mayor	City of Hokes Bluff	October 11, 2016		
Charles Gilchrist, Mayor	City of Glencoe	January 9, 2017		
Terry John Calhoun, Mayor	City of Rainbow City	October 11, 2016		

Table 1-1 Responsible Official and Authorization Dates

1.1 NPDES Permit

The Storm Water Phase II Final Rule issued by the United States Environmental Protection Agency (USEPA) in 1999 requires nationwide coverage of all operators of small MS4s located within the boundaries of an "urbanized area" as defined by the latest decennial Census. Based on the results of the 2010 census, the Bureau of the Census designated The City of Gadsden, Rainbow City, City of Southside, City of Glencoe, City of Hokes Bluff, City of Attalla, and portions of unincorporated Etowah County as the Gadsden, Alabama Urbanized Area. A map outlining the approximate boundary of the Gadsden, Alabama Urbanized Area is included as **Figure 1** in **Appendix A**. The regulated small municipal separate storm sewer system (MS4) for the urbanized area is collectively referred to as the Gadsden-Etowah MS4.

In 2016, the Alabama Department of Environmental Management (ADEM) issued National Pollutant Discharge Elimination System (NPDES) General Permit ALR040000 for discharges from regulated small municipal separate storm sewer systems to the Gadsden-Etowah MS4 with an effective date of October 1, 2016. Permit numbers for each entity are provided in Table. 1.2.



Entity	ADEM Permit Number
City of Attalla	ALR0400052
City of Gadsden	ALR0400053
City of Glencoe	ALR0400054
City of Hokes Bluff	ALR0400055
City of Rainbow City	ALR0400056
City of Southside	ALR0400057
Etowah County	ALR0400009

Table 1-2: Permit Numbers for MS4 Entities

1.2 Water Quality Concerns

Section 303(d) of the Clean Water Act (CWA), as amended by the Water Quality Act of 1987, and EPA's Water Quality Planning and Management Regulations (40CFR130) require states to identify waterbodies not in compliance with the water quality standards applicable to their designated use classifications. Section 303(d) then requires that total maximum daily loads (TMDLs) be determined for all pollutants causing violation of applicable water quality standards in each identified segment.

Neely Henry Lake is the primary receiving water for the Gadsden-Etowah MS4. In 1996, the ADEM identified five of the six reservoirs on the Coosa River within the State of Alabama's borders as being impaired, including Neely Henry Lake. In 2008 the EPA approved TMDLs for Neely Henry Lake related to Nutrients (Total Phosphorous), pH, and Dissolved Oxygen. The Gadsden-Etowah MS4 is required to achieve a 30% reduction in Total Phosphorus loading.

1.3 Monitoring Program

Part III.B of the NPDES General Permit requires that the Permittee develop and implement a Storm Water Management Program Plan (SWMPP). Part IV.D of the NPDES General Permit requires that the SWMPP include monitoring provisions to document that the waste load allocations prescribed in the TMDL are being achieved.

Section 2 of the SWMPP, dated January 1, 2017, provides the specific details of the monitoring program. The intent of the monitoring program is to document that discharges from the MS4 meet the permit requirements. Where deviations are documented and/or expected, the collected monitoring data will be used to determine the extent and cause of the pollutant of concern.

2.0 Rainfall Data

The Gadsden-Etowah MS4 is required to achieve a 30% reduction in Total Phosphorus discharge loading. The largest loading of phosphorous to the Coosa River from the Gadsden-Etowah MS4 is expected to



occur during runoff events; therefore, the SWMPP requires that monitoring be conducted within 72 hours of a qualifying rain event of 0.75 inch.

On December 5th and 6th a rain event was observed at two of the four weather stations located in the vicinity of the urbanized area. The locations of the weather stations are identified on **Figure 2** in **Appendix A**.

GAUGE NAME	LOCATION	LAT.	LONG.	PRECIP 12/5	PRECIP 12/6
MD5866*	Rainbow City, AL	33.922°	-86.099°	N/A	N/A
KGAD	KGAD Gadsden Municipal Airport		-86.088°	0.56 in.	0.43 in.
KALHOKES2	Hokes Bluff Hokes Bluff, AL	33.993°	-85.806°	0.13 in.	0.01 in.
KALGADSD3	Noccalula Falls Gadsden, AL	34.056°	-85.994°	0.56 in.	0.58 in.

Table 2-1 December 5 and 6, 2016 Rainfall Data

*No information was available for this weather station for the December 5 and 6, 2016 rain event.

3.0 Monitoring Event

On December 7, 2016, S&ME personnel mobilized to conduct storm water monitoring for the fourth quarter of 2016. The quarterly monitoring event was carried out in accordance with Section 2 of the Gadsden-Etowah MS4 Storm Water Management Program (SWMPP), dated January 1, 2017.

3.1 Monitoring Locations

The primary monitoring locations selected for determining compliance of the Gadsden-Etowah MS4 with the 2008 phosphorous TMDL are identified on **Figure 2** in **Appendix A**. Coordinates for each point are listed in Table 3-1.

OUTFALL ID	LATITUDE	LONGITUDE	ACCESS	WATERBODY EVALUATED
AT 5	34.006446°	-86.069061°	LAND	Big Wills Creek / Little Wills Creek
GD 8	33.999535°	-86.024463°	LAND	Black Creek
RC 2	33.967683°	-86.039476°	LAND	Horton Creek
SS 13	33.891352°	-86.049229°	LAND	Neely Henry Lake
SS 14	33.885921°	-86.030683°	LAND	U.T. to Neely Henry Lake
GD 12	33.952567°	-86.003495°	LAND	U.T. to Neely Henry Lake
CO 14	33.940904°	-85.967704°	LAND	U.T. to Neely Henry Lake
SME 2	34.002461°	-86.001571°	LAND	U.T. to Coosa River

Table 3-1 Monitoring Point Coordinates



NPDES General Permit ALR040009 S&ME Project No. 4482-16-056

OUTFALL ID	LATITUDE	LONGITUDE	ACCESS	WATERBODY EVALUATED
GD 6	34.015350°	-85.995617°	LAND	Town Creek
CO 15	33.972280°	-85.965354°	LAND	U.T. to Neely Henry Lake
RC 14	33.905786°	-86.111656°	BOAT	Rook Creek / Dry Creek
SS 5	33.941329°	-86.021569°	BOAT	U.T. to Coosa River
SME 1	33.990184°	-86.004048°	BOAT	Big Wills Creek / Black Creek
GD 9	33.989718°	-85.998472°	BOAT	U.T. to Coosa River (East Gadsden)
GD 7	34.008361°	-85.999777°	BOAT	Storm sewer outfall to Coosa River
GD 5	34.014324°	-85.924013°	BOAT	Big Cove Creek / Little Cove Creek
GD 3	34.012380°	-85.953651°	BOAT	U.T. to Neely Henry Lake
SME 3	34.009698°	-85.956230°	BOAT	Coal Creek
HB 3	34.002129°	-85.882808°	BOAT	U.T. to Neely Henry Lake

3.2 Sampling Procedures

Samples collected on land were obtained using a stainless steel 1-quart bucket attached to a 30-foot telescoping fiberglass pole. S&ME personnel extended the pole to mid-channel at each location and collected a sample at mid-depth or two (2) feet below the water surface, whichever was shallower. The sample was then poured into a 6-quart stainless steel bucket. Four to five quarts were collected and mixed in the 6-quart bucket prior to analysis. The stainless steel buckets were decontaminated prior to use and between samples.

Samples collected from the boat were obtained using a horizontal Van Dorn sampler. S&ME personnel inserted the sampler into the water upstream of the boat, lowered it to a depth of five (5) feet below the water surface then triggered the seals. The collected sample was discharged from a valve in the sampler. Duplicate samples were obtained using the Van Dorn sampler to collect two 2-liter samples, then mixing them in a 6-quart stainless steel bucket. The Van Dorn sampler was decontaminated prior to use and in between samples.

3.3 Field Documentation

The following observations were documented in the field at each monitoring location:

- Monitoring point ID
- Date and time
- Person conducting the sampling
- Equipment used
- Depth of sample collection
- Weather conditions
- Waterbody conditions

The following parameters were measured in the field at the time of sample collection:

- Turbidity
- pH



IPDES General Permit ALR040009 S&ME Project No. 4482-16-056

- Dissolved Oxygen (DO)
- Temperature

Field parameters were measured using a combination of the following instruments:

- LaMotte 2020 Turbidimeter
- Hach 2100Q Turbidimeter
- YSI 556 Multi-Probe Meter
- YSI Pro DSS Multi-Probe Meter

The recorded field observations are included on **Table B.1** in **Appendix B**. The recorded field parameters are included on **Table B.2** in **Appendix B**.

3.4 Quality Assurance / Quality Control

The following handling procedures were employed in general accordance with EPA and ADEM guidance to safeguard the quality of the collected samples.

3.4.1 Sample Containers and Preservation

All samples were collected in new laboratory-provided containers containing analyte-appropriate preservatives as listed below:

PARAMETER	CONTAINER	PRESERVATIVE	HOLD TIME
Total Suspended Solids (TSS)	HDPE - 1 L	NONE	7 days
Total Phosphorous	HDPE - 250 mL	H ₂ SO ₄	48 hours
Orthophosphate	HDPE - 250 mL	NONE	48 hours
Nitrate-Nitrite	HDPE - 250 mL	H ₂ SO ₄	28 days
Total Kjeldahl Nitrogen (TKN)	HDPE - 250 mL	H ₂ SO ₄	28 days

Table 3-2 Sample Containers and Preservation

Prior to filling, sample containers were labeled with the following information in waterproof ink:

- Project number
- Sample location
- Collection date and time
- Preservative
- Analysis to be performed

3.4.2 *Quality Assurance*

Two duplicate samples were submitted to the laboratory. One duplicate sample of monitoring point AT 5 was collected by the land team during the sampling event and labeled as SME 4. One duplicate sample of monitoring point HB 3 was collected by the boat team during the sampling event and labeled as SME 5.



3.4.3 *Sample Shipment*

After filling, the sample containers were sealed and immediately placed on ice in a protective container for shipment to the analytical laboratory. A Chain of Custody form was completed and accompanied the samples from the field to the laboratory. A copy of the Chain of Custody is included in **Appendix C**.

4.0 Analytical Results

The laboratory analytical results for the December 7, 2016 quarterly monitoring event are included on **Table B.2** provided in **Appendix B**. The laboratory reports and Chain of Custody are included in **Appendix C**.

5.0 Recordkeeping

Each quarterly monitoring report will be incorporated into the Annual Update of the Storm Water Management Plan. Monitoring reports will be retained by each municipality for a minimum of 3 years.

The Storm Water Steering Committee is responsible for the coordination and implementation of the Storm Water Management Plan. Current membership of the Storm Water Steering Committee is as follows:

ENTITY	CONTACT	PHONE NO.	EMAIL
City of Gadsden	Jeramy Ward	256-549-4527	jward@cityofgadsden.com
City of Gadsden	Heath Williamson	256-549-4520	hwilliamson@cityofgadsden.com
City of Attalla	Jason Nicholson	256-441-9200	jason.attalla@gmail.com
City of Rainbow City	Kevin Ashley	256-413-1240	kashley@rbcalabama.com
City of Southside	Jimmy Whittemore	256-442-9775 Ext. 103	jwhittemore@cityofsouthside.com
City of Glencoe	Charles Gilchrist	256-492-1424	mayor@cityofglencoe.net
City of Glencoe	Brian Bramblett	256-492-1424	bbramblett@cityofglencoe.net
City of Hokes Bluff	Lisa Johnson	256-492-2414	hbcity@cityofhokesbluff.net
Etowah County	Tim Graves	256-549-5358	tgraves@etowahcounty.org
Etowah County	Robert Nail	256-549-5358	rnail@etowahcounty.org

Table 5-0 Storm Water Steering Committee

One copy of this Monitoring Report has been provided to each member of the Storm Water Steering Committee.

6.0 Certification of the Monitoring Report

I certify under penalty of law that this document and all attachments were prepared under my directions or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the



MS4 Entity

system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations.

Signature of Responsible Official	Date	

7.0 Acknowledgement

Print Name and Title

S&ME, Inc. certifies that the information provided in this monitoring report reflects the conditions reported, encountered, and discovered at the time of report preparation. When performing this scope of services, S&ME, Inc., observed the degree of care and skill generally exercised by other consultants undertaking similar studies at the same time, under similar circumstances and conditions, and in the same geographic area.

S&ME sincerely appreciates the opportunity to provide watershed monitoring services for the Gadsden-Etowah MS4. Should questions remain or if additional information is required, please do not hesitate to contact the undersigned.

S&ME, Inc.

Shent

Jesse J. Wheat Staff Professional

ones

Deborah J. Jones, P.E. Senior Engineer

Chuida C. Lyons

Christa C. Lyons Project Manager



Appendix A

Figure 1 – Gadsden, Alabama Urbanized Area

Figure 2 – MS4 Monitoring Locations Map







Appendix B

Table B.1 – Field Observations

Table B.2 – Analytical Data

Tables B.3 to B.21 – Historical Analytical Data

TABLE B.1 - FIELD OBSERVATIONS

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	TIME	DEPTH (FT)	PERSONNEL	WEATHER CONDITIONS	WATERBODY CONDITIONS
AT 5	12/7/2016	0955	-3'	EJK/RWL	Sunny	Smooth, slow flow
GD 8	12/7/2016	1009	-3'	EJK/RWL	Sunny	Smooth, slow flow
RC 2	12/7/2016	1030	-3'	EJK/RWL	Sunny	Smooth, slow flow
SS 13	12/7/2016	1050	-3'	EJK/RWL	Sunny	Smooth, slow flow
SS 14	12/7/2016	1100	-3'	EJK/RWL	Sunny	Smooth, slow flow
GD 12	12/7/2016	1111	-3'	EJK/RWL	Sunny	Smooth, slow flow
CO 14	12/7/2016	DRY	DRY	EJK/RWL	Sunny	DRY
SME 2	12/7/2016	1136	-3'	EJK/RWL	Sunny	Smooth, slow flow
GD 6	12/7/2016	1300	-3'	EJK/RWL	Cloudy	Smooth, slow flow
CO 15	12/7/2016	1400	-1'	EJK/RWL	Cloudy	Smooth, slow flow
RC 14	12/7/2016	0945	-5'	JJW/TLO	Cloudy	Smooth
SS 5	12/7/2016	1055	-5'	JJW/TLO	Cloudy	Smooth
SME 1	12/7/2016	1110	-5'	JJW/TLO	Cloudy	Smooth
GD 9	12/7/2016	1120	-5'	JJW/TLO	Cloudy	Smooth
GD 7	12/7/2016	1130	-5'	JJW/TLO	Cloudy	rough
GD 5	12/7/2016	1410	-5'	JJW/TLO	Cloudy	rough
GD 3	12/7/2016	1420	-5'	JJW/TLO	Cloudy	Smooth
SME 3	12/7/2016	1430	-5'	JJW/TLO	Cloudy	Smooth
HB 3	12/7/2016	1330	-5'	JJW/TLO	Cloudy	Smooth

TABLE B.2 - ANALYTICAL DATA

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

		FIELD PARAMETERS				LABORATORY ANALYSIS				
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
AT 5	12/7/2016	26.5	7.08	10.19	11.3	0.66	0.450	0.47	<0.25	16.9
GD 8	12/7/2016	10.1	7.75	8.84	12.1	0.31	<0.025	<0.10	0.41	7.0
RC 2	12/7/2016	17.2	7.86	7.47	12.0	0.20	<0.025	<0.10	0.53	11.9
SS 13	12/7/2016	4.8	7.39	6.97	12.5	0.11	<0.025	<0.10	0.45	3.6
SS 14	12/7/2016	7.6	7.27	7.72	11.9	0.89	0.078	0.15	0.71	<2.5
GD 12	12/7/2016	10.3	7.18	6.65	11.4	0.14	<0.025	<0.10	0.60	4.0
CO 14	12/7/2016	NS	NS	NS	NS	NS	NS	NS	NS	NS
SME 2	12/7/2016	6.0	7.52	6.86	12.7	<0.10	<0.025	0.10	0.47	5.8
GD 6	12/7/2016	11.5	7.43	8.13	14.3	0.37	<0.025	<0.10	0.49	7.5
CO 15	12/7/2016	13.6	7.50	9.78	12.1	<0.10	<0.025	<0.10	0.67	14.8
SME 4	12/7/2016		DUPLICAT	TE OF AT5		0.70	0.446	0.51	0.34	17.3
RC 14	12/7/2016	7.9	7.21	6.47	11.62	<0.10	<0.025	<0.10	0.25	8.6
SS 5	12/7/2016	6.6	7.94	6.70	12.30	<0.10	<0.025	0.12	0.42	8.0
SME 1	12/7/2016	31	7.96	10.20	11.98	0.41	0.209	0.27	0.38	17.7
GD 9	12/7/2016	26	7.99	8.01	11.99	<0.10	<0.025	0.13	0.38	38.3
GD 7	12/7/2016	9.5	7.88	10.14	12.39	<0.10	<0.025	<0.10	0.36	7.8
GD 5	12/7/2016	10	7.73	10.61	11.96	<0.10	<0.025	<0.10	0.34	6.8
GD 3	12/7/2016	5.9	7.91	10.55	12.00	<0.10	<0.025	<0.10	0.36	8.1
SME 3	12/7/2016	8.5	7.90	10.91	11.85	<0.10	<0.025	0.15	1.78	9.4
HB 3	12/7/2016	16.0	7.93	8.44	12.81	0.11	<0.025	0.13	0.73	17.0
SME 5	12/7/2016		DUPLICAT	E OF HB 3		<0.10	<0.025	0.11	0.67	49.3

NTU - Nephelometric Turbidity Units

Bold - maximum reading for constituent

NA - not availabe at this time

mg/L - milligrams per liter NS - Not Sampled (Dry)

* - unknown reading due to equipment malfuction

TABLE B.3 - ANALYTICAL DATA - AT 5

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

		FIELD PARAMETERS				LABORATORY ANALYSIS				
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
AT 5	3/12/2013	15	7.80	11.04	12.55	0.61	0.150	0.14	0.37	20.0
AT 5	5/8/2013	25	5.08	2.59	14.69	0.31	0.099	0.11	0.56	19.0
AT 5	9/23/2013	21	5.96	3.95	22.88	1.30	0.400	0.35	0.37	22.0
AT 5	12/10/2013	68	5.32	11.43	8.21	0.79	0.290	0.34	0.97	64.0
AT 5	2/6/2014	40	4.06	15.29	7.28	0.80	0.130	0.13	0.35	32.0
AT 5	6/26/2014	70	7.85	7.61	23.89	0.77	0.340	0.28	0.38	19.0
AT 5	9/30/2014	15	5.78	6.63	21.03	0.94	0.490	0.54	<0.25	14.0
AT 5	11/19/2014	47	5.08	10.23	6.91	1.30	0.410	0.39	0.50	27.0
AT 5	3/23/2015	17	8.69	9.39	14.50	0.71	0.130	0.14	0.27	15.0
AT5	4/22/2015	53	6.93	11.13	18.40	0.69	0.110	0.13	<0.25	76.0
AT5	9/30/2015	15	6.37	9.45	21.63	1.82	0.664	0.86	<0.25	16.4
AT5	11/19/2015	934	7.38	19.33	14.98	0.67	0.261	0.31	1.47	74.6
AT 5	3/15/2016	30	7.93	20.43	16.86	0.58	0.068	<0.10	0.77	26.7
AT 5	6/29/2016	18	7.99	6.57	25.40	0.80	0.598	0.71	<0.25	14.5
AT 5	8/9/2016	17	7.89	6.47	25.80	0.98	0.482	0.50	0.27	18.3
AT 5	12/7/2016	26.5	7.08	10.19	11.3	0.66	0.450	0.47	<0.25	16.9

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.4 - ANALYTICAL DATA - GD 8

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 8	3/12/2013	7	7.65	11.73	9.85	0.13	<0.025	<0.10	0.25	4.5
GD 8	5/8/2013	19	6.71	1.72	14.47	0.11	<0.025	<0.10	0.38	19.0
GD 8	9/23/2013	18	6.22	3.98	22.74	<0.10	<0.025	<0.10	0.41	9.6
GD 8	12/10/2013	31	6.04	13.33	8.10	0.28	0.040	<0.10	0.35	32.0
GD 8	2/6/2014	16	3.87	16.32	6.48	0.25	<0.025	<0.10	0.13	13.0
GD 8	6/26/2014	31	8.19	6.64	26.15	0.25	<0.025	<0.10	0.48	7.3
GD 8	9/30/2014	12	7.32	5.06	23.19	0.14	<0.025	<0.10	0.42	6.0
GD 8	11/19/2014	25	5.16	9.01	5.87	0.23	<0.025	<0.01	0.32	13.0
GD 8	3/23/2015	11	8.67	9.76	14.8	0.22	<0.025	<0.10	<0.25	4.8
GD 8	4/22/2015	20	7.40	11.71	17.70	0.16	<0.025	<0.10	<0.25	15.0
GD 8	9/30/2015	9	7.79	9.48	24.33	0.18	<0.025	<0.10	0.48	6.8
GD 8	11/19/2015	212	6.94	23.30	15.13	0.23	<0.025	0.10	0.85	79.6
GD 8	3/15/2016	11	7.88	16.81	16.98	0.13	<0.025	<0.10	0.47	8.3
GD 8	6/29/2016	33	8.50	6.60	29.30	<0.10	<0.025	<0.10	0.45	39.8
GD 8	8/9/2016	13	8.90	5.87	28.90	0.22	<0.025	<0.10	0.67	6.3
GD 8	12/7/2016	10.1	7.75	8.84	12.1	0.31	<0.025	<0.10	0.41	7.0

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.5 - ANALYTICAL DATA - RC 2

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

		FIELD PARAMETERS				LA	BORATORY ANALYS	SIS		
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
RC 2	3/12/2013	29	7.73	9.83	10.53	0.12	0.088	<0.10	0.75	14.0
RC 2	5/8/2013	19	6.16	3.06	16.36	0.19	<0.025	<0.10	0.55	12.0
RC 2	9/23/2013	11	6.24	3.00	23.61	<0.10	<0.025	<0.10	0.43	6.3
RC 2	12/10/2013	34	6.07	11.71	8.38	0.11	0.062	<0.10	0.54	10.0
RC 2	2/6/2014	30	3.89	17.28	5.62	0.26	<0.025	<0.10	0.43	9.6
RC 2	6/26/2014	18	7.90	6.81	24.81	0.15	<0.025	<0.10	0.44	7.2
RC 2	9/30/2014	3	7.27	5.55	22.25	<0.10	<0.025	<0.10	0.40	2.5
RC 2	11/19/2014	27	5.65	7.14	5.72	0.17	<0.025	<0.10	0.43	11.0
RC 2	3/23/2015	45	8.23	9.07	16.00	0.15	0.044	<0.10	0.81	18.0
RC 2	4/22/2015	14	7.64	11.42	18.40	0.26	<0.025	<0.10	<0.25	4.8
RC 2	9/30/2015	7	5.93	9.28	23.33	<0.10	<0.025	<0.10	<0.25	4.6
RC 2	11/19/2015	114	7.36	21.94	15.29	0.27	<0.025	0.13	0.75	14.4
RC 2	3/15/2016	15	7.62	16.67	14.61	0.18	<0.025	<0.10	0.43	6.0
RC 2	6/29/2016	12	7.78	4.31	28.30	<0.10	0.077	<0.10	0.35	10.9
RC 2	8/9/2016	25	8.12	5.05	26.50	0.14	<0.025	<0.10	0.45	9.9
RC 2	12/7/2016	17.2	7.86	7.47	12.0	0.20	<0.025	<0.10	0.53	11.9

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.6 - ANALYTICAL DATA - SS 13

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	D PARAMETERS LABORATORY ANALYSIS						
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
SS 13	3/12/2013	8	7.04	9.85	11.45	0.34	0.032	<0.10	0.78	4.7
SS 13	5/8/2013	10	6.68	2.94	18.75	0.36	<0.050	<0.10	0.72	5.7
SS 13	9/23/2013	12	7.04	3.38	25.31	<0.10	0.028	<0.10	0.84	9.6
SS 13	12/10/2013	12	6.14	10.93	8.99	0.33	0.077	0.12	0.67	5.6
SS 13	2/6/2014	7	4.26	17.50	5.14	0.42	<0.025	<0.10	0.44	4.1
SS 13	6/26/2014	23	8.33	8.09	28.44	<0.10	<0.025	0.12	0.52	5.4
SS 13	9/30/2014	12	7.41	4.26	24.77	<0.10	<0.025	<0.10	0.44	12.0
SS 13	11/19/2014	13	6.31	6.08	6.44	0.22	0.044	<0.10	0.40	4.8
SS 13	3/23/2015	16	7.33	8.57	15.40	0.22	0.029	<0.10	0.71	7.6
SS 13	4/22/2015	15	6.60	8.93	20.80	0.32	<0.025	<0.10	0.67	10.0
SS 13	9/30/2015	9	7.33	11.54	25.95	<0.10	<0.025	<0.10	0.52	9.0
SS 13	11/19/2015	36	7.07	18.48	15.31	0.24	<0.025	0.18	0.97	4.8
SS 13	3/15/2016	9	6.61	12.42	17.37	0.32	<0.025	<0.10	<0.25	4.7
SS 13	6/29/2016	10	7.86	6.15	30.60	<0.10	<0.025	<0.10	0.53	9.8
SS 13	8/9/2016	20	7.77	5.92	29.10	<0.10	<0.025	<0.10	0.73	24.0
SS 13	12/7/2016	4.8	7.39	6.97	12.5	0.11	<0.025	<0.10	0.45	3.6

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.7 - ANALYTICAL DATA - SS 14

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
SS 14	3/12/2013	10	7.40	11.23	10.93	0.40	0.087	0.11	0.77	4.7
SS 14	5/8/2013	10	6.47	2.75	16.42	0.45	0.041	<0.10	0.53	5.0
SS 14	9/23/2013	3	6.76	6.49	21.77	0.38	0.036	<0.10	0.45	<2.5
SS 14	12/10/2013	18	5.63	11.33	8.56	0.28	0.160	0.19	0.66	9.2
SS 14	2/6/2014	12	4.19	17.56	5.16	0.62	0.074	<0.10	0.50	14.0
SS 14	6/26/2014	8	8.18	7.58	24.14	0.67	0.080	0.16	0.89	<2.5
SS 14	9/30/2014	8	7.42	3.67	22.35	<0.10	0.031	<0.10	0.52	6.1
SS 14	11/19/2014	16	6.27	7.50	5.48	0.75	0.075	0.22	0.46	9.2
SS 14	3/23/2015	21	7.75	9.53	16.50	0.27	0.110	0.14	1.10	11.0
SS 14	4/22/2015	12	7.43	12.29	17.50	0.62	<0.025	<0.10	0.58	6.3
SS 14	9/30/2015	7	7.16	12.79	24.02	<0.10	0.088	0.18	0.51	6.6
SS 14	11/19/2015	27	6.49	20.71	15.16	0.44	0.131	0.18	1.00	23.3
SS 14	3/15/2016	11	7.18	12.11	16.01	0.50	0.056	<0.10	0.83	8.1
SS 14	6/29/2016	6	7.62	3.61	27.20	<0.10	0.103	0.16	0.65	6.0
SS 14	8/9/2016	22	7.71	5.99	26.90	0.16	0.062	0.12	0.87	12.7
SS 14	12/7/2016	7.6	7.27	7.72	11.9	0.89	0.078	0.15	0.71	<2.5

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.8 - ANALYTICAL DATA - GD 12

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 12	3/12/2013	9	7.41	10.93	13.43	0.25	0.030	<0.10	0.54	3.9
GD 12	5/8/2013	15	6.73	2.35	16.53	0.21	0.030	<0.10	0.40	7.5
GD 12	9/23/2013	10	6.76	3.94	26.07	<0.10	0.026	<0.10	0.48	9.0
GD 12	12/10/2013	19	6.15	10.09	10.18	0.22	0.079	0.11	0.45	5.9
GD 12	2/6/2014	12	4.17	16.99	5.76	0.31	<0.025	<0.10	0.28	3.9
GD 12	6/26/2014	29	8.38	9.40	26.72	0.11	0.035	0.12	0.62	32.0
GD 12	9/30/2014	11	7.68	5.77	24.68	<0.10	<0.025	<0.10	0.39	11.0
GD 12	11/19/2014	15	6.95	5.93	5.85	0.28	<0.025	0.13	0.39	6.6
GD 12	3/23/2015	18	7.80	9.56	16.80	0.24	<0.025	<0.10	0.59	8.1
GD 12	4/22/2015	17	7.45	11.04	19.80	0.25	<0.025	<0.10	0.43	14.0
GD 12	9/30/2015	7	7.30	11.07	24.67	<0.10	<0.025	<0.10	0.70	8.5
GD 12	11/19/2015	23	7.07	19.14	14.68	0.28	0.100	0.15	0.77	12.0
GD 12	3/15/2016	10	7.43	13.14	16.05	0.25	0.032	<0.10	0.43	4.6
GD 12	6/29/2016	13	8.22	7.68	31.20	<0.10	0.036	<0.10	0.38	12.0
GD 12	8/9/2016	22	7.57	4.39	27.60	<0.10	<0.025	<0.10	0.63	13.3
GD 12	12/7/2016	10.3	7.18	6.65	11.4	0.14	<0.025	<0.10	0.60	4.0

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.9 - ANALYTICAL DATA - CO 14

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PARAMETERS				LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
CO 14	3/12/2013	8	6.88	9.65	12.92	0.32	<0.025	<0.10	0.42	3.5
CO 14	5/8/2013	13	6.61	3.02	16.37	0.34	<0.12	<0.10	0.74	6.7
CO 14	9/23/2013	15	6.70	3.78	22.58	<0.10	0.036	<0.10	0.30	9.6
CO 14	12/10/2013	14	5.82	11.15	9.37	0.11	0.027	<0.10	0.55	9.7
CO 14	2/6/2014	14	4.02	16.69	5.08	0.58	<0.025	<0.10	0.41	9.1
CO 14	6/26/2014	20	8.25	8.19	22.33	0.34	<0.025	<0.10	0.86	9.0
CO 14	9/30/2014	*	*	*	*	*	*	*	*	*
CO 14	11/19/2014	9.84	6.70	3.86	7.90	<0.10	<0.025	<0.10	0.26	2.8
CO 14	3/23/2015	19	6.85	8.78	17.20	0.25	<0.025	<0.10	0.67	10.0
CO 14	4/22/2015	14	6.23	11.19	18.00	0.49	<0.025	<0.10	0.60	8.6
CO 14	9/30/2015	*	*	*	*	*	*	*	*	*
CO 14	11/19/2015	24	6.64	16.06	15.25	<0.10	<0.025	<0.10	1.27	5.9
CO 14	3/15/2016	16	6.33	13.05	16.42	0.47	<0.025	<0.10	0.71	9.7
CO 14	6/29/2016	*	*	*	*	*	*	*	*	*
CO 14	8/9/2016	*	*	*	*	*	*	*	*	*
CO 14	12/7/2016	*	*	*	*	*	*	*	*	*

NTU - Nephelometric Turbidity Units

* - outfall was dry

mg/L - milligrams per liter

TABLE B.10 - ANALYTICAL DATA - SME 2

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	RAMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
SME 2	3/12/2013	6	7.12	9.28	14.17	0.28	0.032	<0.10	0.47	8.1
SME 2	5/8/2013	26	7.67	6.46	21.40	0.24	0.042	<0.10	0.92	21.0
SME 2	9/23/2013	7	6.92	5.51	26.24	<0.10	0.039	<0.10	0.34	7.1
SME 2	12/10/2013	12	5.71	11.05	11.01	0.31	0.100	0.15	0.42	7.0
SME 2	2/6/2014	20	4.21	14.38	6.13	0.39	0.053	<0.10	0.59	14.0
SME 2	6/26/2014	15	8.16	7.22	26.98	0.11	<0.025	<0.10	0.38	8.7
SME 2	9/30/2014	6	7.97	5.33	26.53	<0.10	<0.025	<0.10	0.52	7.4
SME 2	11/19/2014	10	7.06	3.53	10.20	0.14	0.039	0.16	<0.25	6.8
SME 2	3/23/2015	11	7.96	9.34	17.60	0.24	<0.025	<0.10	0.45	10.0
SME 2	4/22/2015	9	7.93	11.46	24.50	0.13	<0.025	<0.10	0.48	9.1
SME 2	9/30/2015	7	7.62	12.67	25.91	0.10	<0.025	0.10	0.50	8.7
SME 2	11/19/2015	22	6.55	14.30	19.12	0.22	0.062	0.22	1.21	82.3
SME 2	3/15/2016	8	7.86	13.43	20.73	<0.10	<0.025	<0.10	0.49	6.3
SME 2	6/29/2016	8	8.23	7.24	30.40	0.19	<0.025	<0.10	0.29	8.0
SME 2	8/9/2016	10	8.01	6.58	30.60	<0.10	<0.025	<0.10	0.59	8.2
SME 2	12/7/2016	6.0	7.52	6.86	12.7	<0.10	<0.025	0.10	0.47	5.8

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.11 - ANALYTICAL DATA - GD 6

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 6	3/12/2013	10	8.03	9.65	11.90	0.21	0.036	<0.10	0.29	5.8
GD 6	5/8/2013	19	6.81	2.35	19.02	0.23	0.033	<0.10	0.40	8.3
GD 6	9/23/2013	6	7.28	5.17	26.93	<0.10	<0.025	<0.10	0.36	5.8
GD 6	12/10/2013	26	5.98	11.41	10.64	0.37	0.041	<0.10	0.17	8.6
GD 6	2/6/2014	16	4.34	15.80	6.85	0.26	0.057	<0.10	0.16	5.5
GD 6	6/26/2014	14	8.31	8.95	27.29	<0.10	<0.025	<0.10	0.42	7.0
GD 6	9/30/2014	7	8.35	6.53	26.78	<0.10	<0.025	<0.10	0.55	7.0
GD 6	11/19/2014	13	7.17	3.36	9.67	0.22	<0.025	0.28	0.38	9.8
GD 6	3/23/2015	17	7.95	8.95	18.40	0.22	<0.025	<0.10	0.26	8.2
GD 6	4/22/2015	15	7.59	10.82	19.80	0.22	<0.025	<0.10	0.28	8.0
GD 6	9/30/2015	14	8.19	12.31	25.47	<0.10	<0.025	0.10	0.97	12.4
GD 6	11/19/2015	43	6.97	15.87	17.75	0.47	0.037	0.13	0.77	16.0
GD 6	3/15/2016	16	7.68	11.58	19.98	0.12	0.043	<0.10	0.50	7.9
GD 6	6/29/2016	10	8.86	9.64	31.50	<0.10	<0.025	<0.10	0.40	11.2
GD 6	8/9/2016	10	8.26	6.98	30.70	<0.10	<0.025	<0.10	0.62	10.3
GD 6	12/7/2016	11.5	7.43	8.13	14.3	0.37	<0.025	<0.10	0.49	7.5

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.12 - ANALYTICAL DATA - CO 15

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

		FIELD PARAMETERS				LA	BORATORY ANALYS	SIS		
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
CO 15	3/12/2013	32	7.41	8.91	14.40	<0.10	0.097	<0.10	0.53	9.0
CO 15	5/8/2013	27	7.51	8.04	18.10	0.10	<0.12	<0.10	0.59	11.0
CO 15	9/23/2013	13	7.09	4.01	27.18	<0.10	0.027	<0.10	0.34	11.0
CO 15	12/10/2013	42	6.09	11.25	9.83	0.18	0.068	<0.10	0.56	13.0
CO 15	2/6/2014	32	4.22	16.10	6.28	0.21	<0.025	<0.10	0.46	12.0
CO 15	6/26/2014	105	8.16	7.00	25.55	<0.10	0.140	<0.10	0.59	46.0
CO 15	9/30/2014	8	7.88	6.67	23.28	<0.10	<0.025	<0.10	<0.25	8.6
CO 15	11/19/2014	44	7.38	3.68	9.43	0.20	0.030	<0.10	0.32	12.0
CO 15	3/23/2015	56	7.85	9.53	18.50	0.14	0.067	<0.10	0.61	19.0
CO 15	4/22/2015	26	7.62	10.14	21.90	0.14	<0.025	<0.10	0.40	11.0
CO 15	9/30/2015	15	7.68	12.73	22.88	<0.10	<0.025	<0.10	0.75	11.8
CO 15	11/19/2015	50	7.30	19.45	16.98	0.24	0.042	0.18	0.42	17.5
CO 15	3/15/2016	29	7.66	12.39	19.83	<0.10	<0.025	<0.10	0.78	12.4
CO 15	6/29/2016	*	*	*	*	*	*	*	*	*
CO 15	8/9/2016	38	8.03	6.78	29.60	<0.10	<0.025	<0.10	<0.25	22.0
CO 15	12/7/2016	13.6	7.50	9.78	12.1	<0.10	<0.025	<0.10	0.67	14.8

NTU - Nephelometric Turbidity Units

* - outfall was dry

mg/L - milligrams per liter

TABLE B.13 - ANALYTICAL DATA - RC 14

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
RC 14	3/12/2013	28	8.23	7.53	10.30	<0.10	0.088	<0.10	0.61	21.0
RC 14	5/8/2013	30	6.72	1.78	21.40	0.14	<0.12	<0.10	0.63	16.0
RC 14	9/23/2013	18	7.86	6.68	24.70	<0.10	<0.025	<0.10	0.58	13.0
RC 14	12/10/2013	40	8.45	9.50	8.20	<0.10	0.100	0.11	0.69	16.0
RC 14	2/6/2014	67	7.15	10.94	4.90	0.16	0.036	0.11	0.70	18.0
RC 14	6/26/2014	6	8.21	6.30	*	<0.10	<0.025	<0.10	0.39	5.9
RC 14	9/30/2014	12	7.20	6.20	23.50	<0.10	<0.025	<0.10	0.40	12.0
RC 14	9/19/2014	50	8.20	10.10	7.50	<0.10	0.085	0.13	0.52	28.0
RC 14	3/23/2015	70	8.03	7.80	18.20	0.26	0.070	<0.10	1.10	34.0
RC 14	4/22/2015	30	7.77	7.25	18.10	0.20	<0.025	<0.10	0.40	15.0
RC 14	9/30/2015	17	8.28	5.63	24.40	<0.10	<0.025	<0.10	0.45	12.6
RC 14	11/19/2015	95	7.32	6.07	17.71	0.14	<0.025	0.14	0.63	36.0
RC 14	3/15/2016	85	8.13	7.73	18.50	0.11	<0.025	0.30	0.43	69.6
RC 14	6/29/2016	17	7.58	2.17	28.53	<0.10	0.037	<0.10	0.46	17.5
RC 14	8/9/2016	10	7.05	2.35	28.53	<0.10	<0.025	<0.10	0.55	8.5
RC 14	12/7/2016	7.9	7.21	6.47	11.62	<0.10	<0.025	<0.10	0.25	8.6

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.14 - ANALYTICAL DATA - SS 5

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS		LABORATORY ANALYSIS				
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
SS 5	3/12/2013	6	8.38	9.87	10.80	0.30	0.031	<0.10	0.39	7.2
SS 5	5/8/2013	24	7.38	7.19	16.80	0.16	<0.12	<0.10	0.62	21.0
SS 5	9/23/2013	14	8.00	5.44	25.80	<0.10	0.029	<0.10	1.30	15.0
SS 5	12/10/2013	23	8.25	9.10	7.70	0.24	0.043	0.11	0.67	13.0
SS 5	2/6/2014	28	7.20	12.09	5.40	0.39	<0.025	<0.10	0.86	12.0
SS 5	6/26/2014	11	8.53	7.01	*	<0.10	<0.025	<0.10	0.40	11.0
SS 5	9/30/2014	11	7.64	6.82	24.44	<0.10	<0.025	<0.10	0.45	11.0
SS 5	11/19/2014	14	8.96	13.13	8.50	<0.10	<0.025	<0.10	0.35	9.6
SS 5	3/23/2015	18	8.50	8.99	17.70	0.26	<0.025	<0.10	0.46	11.0
SS 5	4/22/2015	19	7.76	6.71	20.20	0.15	<0.025	<0.10	0.47	13.0
SS 5	9/30/2015	11	8.26	6.61	25.30	<0.10	<0.025	<0.10	0.61	9.9
SS 5	11/19/2015	19	7.86	8.47	15.90	0.24	<0.025	<0.10	<0.25	11.0
SS 5	3/15/2016	20.0	8.37	8.47	17.20	0.26	<0.025	0.23	0.28	9.5
SS 5	6/29/2016	15	8.01	3.81	29.77	<0.10	0.066	<0.10	0.48	13.2
SS 5	8/9/2016	12	7.86	3.16	29.40	<0.10	<0.025	<0.10	0.46	12.6
SS 5	12/7/2016	6.6	7.94	6.70	12.30	<0.10	<0.025	0.12	0.42	8.0

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.15 - ANALYTICAL DATA - SME 1

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS		LABORATORY ANALYSIS				
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
SME 1	3/12/2013	13	8.19	8.26	13.10	0.54	0.110	0.11	0.34	16.0
SME 1	5/8/2013	24	7.64	8.96	16.00	0.15	0.063	<0.10	0.42	14.0
SME 1	9/23/2013	14	8.26	7.87	27.70	<0.10	0.053	<0.10	0.80	15.0
SME 1	12/10/2013	46	8.05	9.15	7.60	0.55	0.210	0.26	0.47	21.0
SME 1	2/6/2014	61	7.22	11.34	5.90	0.55	0.110	0.13	0.50	23.0
SME 1	6/26/2014	14	8.49	7.05	*	<0.10	<0.025	<0.10	0.31	13.0
SME 1	9/30/2014	28	8.25	7.46	24.67	<0.10	0.044	0.11	0.61	34.0
SME 1	11/19/2014	40	8.31	10.86	7.80	0.74	0.270	0.29	0.55	19.0
SME 1	3/23/2015	21	8.26	8.52	17.30	0.51	0.073	0.10	<0.25	14.0
SME 1	4/22/2015	29	7.14	7.97	18.50	0.40	0.039	<0.10	0.38	18.0
SME 1	9/30/2015	15	8.34	7.03	26.40	<0.10	0.052	0.14	0.81	15.3
SME 1	11/19/2015	50	7.92	7.04	15.90	0.40	0.084	0.13	<0.25	23.2
SME 1	3/15/2016	26	8.44	7.21	18.30	0.45	0.047	<0.10	<0.25	17.7
SME 1	6/29/2016	21	8.80	3.29	30.67	<0.10	0.180	0.25	0.62	20.3
SME 1	8/9/2016	15	8.55	4.98	28.87	<0.10	0.089	0.15	0.55	12.6
SME 1	12/7/2016	31	7.96	10.20	11.98	0.41	0.209	0.27	0.38	17.7

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.16 - ANALYTICAL DATA - GD 9

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 9	2/6/2014	34	7.20	11.27	5.50	0.40	0.063	0.12	0.60	14.0
GD 9	6/26/2014	45	8.22	6.08	*	<0.10	0.029	0.12	0.41	34.0
GD 9	9/30/2014	12	8.30	6.93	24.61	<0.10	<0.025	<0.10	0.30	15.0
GD 9	11/19/2014	23	8.13	9.38	9.30	0.16	0.082	0.25	0.74	15.0
GD 9	3/23/2015	25	8.16	7.58	15.80	0.15	<0.025	<0.10	0.64	18.0
GD 9	4/22/2015	18	7.58	5.58	20.70	0.15	<0.025	<0.10	0.65	14.0
GD 9	9/30/2015	10	7.93	5.37	25.70	<0.10	<0.025	<0.10	0.64	10.8
GD 9	11/19/2015	40	7.67	*	16.50	0.25	0.096	0.12	<0.25	16.7
GD 9	3/15/2016	15	8.49	7.66	17.30	0.33	0.044	<0.10	<0.25	12.1
GD 9	6/29/2016	44	8.20	1.76	29.77	<0.10	<0.025	<0.10	0.65	67.2
GD 9	8/9/2016	11	8.07	4.14	29.00	<0.10	<0.025	<0.10	0.47	9.4
GD 9	12/7/2016	26	7.99	8.01	11.99	<0.10	<0.025	0.13	0.38	38.3

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.17 - ANALYTICAL DATA - GD 7

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

FIELD PARAMETERS							LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 7	3/12/2013	10	7.98	11.63	15.27	0.39	0.037	<0.10	0.31	8.8
GD 7	5/8/2013	26	7.72	7.46	18.40	0.24	0.063	<0.10	<0.56	20.0
GD 7	9/23/2013	11	7.05	6.31	26.50	<0.10	0.026	<0.10	0.54	9.6
GD 7	12/10/2013	42	8.02	9.68	7.50	0.34	0.084	0.11	0.32	40.0
GD 7	2/6/2014	28	7.27	13.32	4.40	0.52	0.034	<0.10	0.61	13.0
GD 7	6/26/2014	6	8.45	7.04	*	<0.10	<0.025	<0.10	0.52	8.7
GD 7	9/30/2014	12	7.87	6.32	24.39	<0.10	<0.025	<0.10	0.41	13.0
GD 7	11/19/2014	20	8.53	10.10	9.60	0.14	<0.025	0.13	0.46	15.0
GD 7	3/23/2015	13	8.28	8.87	15.40	0.27	<0.025	<0.10	0.35	10.0
GD 7	4/22/2015	28	7.99	6.40	20.20	0.24	<0.025	<0.10	0.47	24.0
GD 7	9/30/2015	8	7.89	5.18	24.90	<0.10	<0.025	<0.10	0.59	9.1
GD 7	11/19/2015	45	7.78	8.23	15.60	0.34	0.051	<0.10	<0.25	34.3
GD 7	3/15/2016	17	8.46	8.51	17.80	0.26	<0.025	<0.10	0.40	13.9
GD 7	6/29/2016	11	7.90	2.22	30.32	<0.10	0.048	<0.10	0.49	8.6
GD 7	8/9/2016	7	7.97	4.08	29.31	<0.10	<0.025	<0.10	0.47	5.7
GD 7	12/7/2016	9.5	7.88	10.14	12.39	<0.10	<0.025	<0.10	0.36	7.8

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.18 - ANALYTICAL DATA - GD 5

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 5	3/13/2013	12	8.33	9.29	10.20	0.26	<0.025	<0.10	0.34	9.6
GD 5	5/20/2013	14	8.28	7.76	22.60	<0.10	<0.025	<0.10	0.62	9.0
GD 5	9/23/2013	12	7.67	6.78	27.10	<0.10	0.027	<0.10	0.45	8.0
GD 5	12/10/2013	58	7.97	9.10	9.10	0.10	0.088	0.10	0.47	18.0
GD 5	2/6/2014	46	7.14	9.88	7.20	0.17	0.038	<0.10	0.37	17.0
GD 5	6/26/2014	17	7.90	6.54	*	<0.10	<0.025	<0.10	0.34	12.0
GD 5	9/30/2014	23	8.28	7.53	25.22	<0.10	<0.025	<0.10	<0.25	18.0
GD 5	11/19/2014	43	8.15	9.30	9.40	0.11	0.051	<0.10	0.43	26.0
GD 5	3/23/2015	24	8.14	8.58	15.90	0.12	<0.025	<0.10	0.34	15.0
GD 5	4/22/2015	25	7.81	7.78	21.70	0.14	<0.025	<0.10	0.65	13.0
GD 5	9/30/2015	18	8.03	6.27	26.30	<0.10	<0.025	0.12	0.56	17.3
GD 5	11/19/2015	90	7.63	7.34	16.60	0.17	0.042	<0.10	<0.25	42.8
GD 5	3/15/2016	24	8.80	7.47	19.40	<0.10	<0.025	<0.10	0.44	13.2
GD 5	6/29/169	21	8.02	2.27	30.37	<0.10	0.074	<0.10	0.49	15.0
GD 5	8/9/2016	12	8.25	5.55	30.20	<0.10	<0.025	<0.10	0.41	11.0
GD 5	12/7/2016	10	7.73	10.61	11.96	<0.10	<0.025	<0.10	0.34	6.8

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.19 - ANALYTICAL DATA - GD 3

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS						
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 3	3/13/2013	12	8.00	9.28	10.70	0.29	0.028	<0.10	0.44	11.0
GD 3	5/20/2013	12	8.09	7.01	23.40	0.15	0.026	<0.10	0.63	13.0
GD 3	9/23/2013	12	7.80	6.50	26.40	<0.10	0.025	<0.10	0.58	10.0
GD 3	12/10/2013	46	7.85	9.23	9.30	0.21	0.085	0.14	0.64	23.0
GD 3	2/6/2014	90	7.13	10.58	6.10	0.21	<0.025	0.12	0.68	27.0
GD 3	6/26/2014	15	8.13	8.00	*	0.12	<0.025	<0.10	0.40	14.0
GD 3	9/30/2014	20	8.11	6.69	25.06	<0.10	<0.025	<0.10	0.32	19.0
GD 3	11/19/2014	18	8.36	10.88	9.30	<0.10	<0.025	<0.10	0.26	15.0
GD 3	3/23/2015	13	8.32	7.84	16.50	0.22	<0.025	<0.10	0.34	10.0
GD 3	4/22/2015	26	7.86	6.74	20.60	0.18	0.079	<0.10	0.36	21.0
GD 3	9/30/2015	10	7.94	4.91	24.90	0.10	<0.025	0.13	0.74	11.5
GD 3	11/19/2015	40	7.61	7.74	16.00	0.25	<0.025	0.10	<0.25	22.0
GD 3	3/15/2016	26	8.04	8.62	18.70	0.42	0.071	<0.10	<0.25	11.7
GD 3	6/29/2016	6	7.84	2.78	29.94	<0.10	0.088	<0.10	<0.25	10.7
GD 3	8/9/2016	8	7.98	5.09	30.01	<0.10	<0.025	<0.10	0.39	10.0
GD 3	12/7/2016	5.9	7.91	10.55	12.00	<0.10	<0.025	<0.10	0.36	8.1

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.20 - ANALYTICAL DATA - SME 3

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS		LABORATORY ANALYSIS					
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)	
SME 3	3/13/2013	17	7.84	7.44	11.30	0.20	0.038	<0.10	0.69	15.0	
SME 3	5/20/2013	19	8.11	6.09	23.60	0.17	0.028	<0.10	0.69	19.0	
SME 3	9/23/2013	15		5.32	26.50	<0.10	0.029	<0.10	0.53	13.0	
SME 3	12/10/2013	48	7.69	8.85	9.60	<0.10	0.086	<0.10	0.62	20.0	
SME 3	2/6/2014	83	7.09	10.62	6.30	0.25	<0.025	<0.10	0.69	33.0	
SME 3	6/26/2014	50	8.04	7.03	*	<0.10	0.047	<0.10	0.53	30.0	
SME 3	9/30/2014	17	8.08	5.98	25.33	<0.10	<0.025	<0.10	0.66	18.0	
SME 3	11/19/2014	22	8.30	10.40	9.30	0.12	0.035	<0.10	<0.25	19.0	
SME 3	3/23/2015	25	8.13	7.72	21.20	0.24	0.026	<0.10	0.46	16.0	
SME 3	4/22/2015	12	7.76	6.70	21.80	0.15	<0.025	<0.10	0.45	14.0	
SME 3	9/30/2015	18	7.96	6.19	25.60	0.13	<0.025	0.13	0.42	24.4	
SME 3	11/19/2015	65	7.56	7.44	15.80	0.25	0.032	<0.10	<0.25	37.8	
SME 3	3/15/2016	68	8.35	7.51	19.20	0.30	<0.025	<0.10	<0.25	78.8	
SME 3	6/29/2016	18	7.80	2.56	30.16	<0.10	0.062	<0.10	0.37	15.3	
SME 3	8/9/2016	15	7.52	3.43	29.53	<0.10	<0.025	<0.10	0.56	10.8	
SME 3	12/7/2016	8.5	7.90	10.91	11.85	<0.10	<0.025	0.15	1.78	9.4	

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.21 - ANALYTICAL DATA - HB 3

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

		FIELD PARAMETERS			LABORATORY ANALYSIS					
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
HB 3	3/12/2013	33	7.54	9.48	13.90	0.19	0.081	<0.10	0.83	49.0
HB 3	5/20/2013	15	8.21	6.82	27.80	0.17	<0.025	<0.10	0.60	17.0
HB 3	9/23/2013	21	8.02	4.89	25.70	<0.10	0.037	<0.10	0.60	19.0
HB 3	12/10/2013	48	7.90	8.65	10.10	<0.10	0.140	0.15	0.62	20.0
HB 3	2/6/2014	32	7.22	12.24	5.90	0.48	0.030	<0.10	0.37	13.0
HB 3	6/26/2014	12	8.20	7.12	*	<0.10	<0.025	<0.10	0.37	12.0
HB 3	9/30/2014	30	8.05	6.01	24.78	<0.10	<0.025	<0.10	0.48	30.0
HB 3	11/19/2014	56	7.85	8.83	8.80	0.11	0.098	0.12	0.44	51.0
HB 3	3/23/2015	27	8.21	8.40	24.20	0.26	<0.025	<0.10	0.46	35.0
HB 3	4/22/2015	25	7.91	8.36	21.90	0.20	<0.025	<0.10	0.66	22.0
HB 3	9/30/2015	22	7.89	5.05	25.70	<0.10	<0.025	<0.10	0.91	23.0
HB 3	11/19/2015	32	7.83	7.37	17.40	0.38	0.045	<0.10	<0.25	30.2
HB 3	3/15/2016	29	8.52	7.97	19.10	0.30	0.087	<0.10	<0.25	23.8
HB 3	6/29/2016	17	8.02	2.77	30.61	<0.10	<0.025	<0.10	0.51	20.9
HB 3	8/9/2016	11	7.91	4.31	30.19	<0.10	<0.025	<0.10	0.70	14.3
HB 3	12/7/2016	16	7.93	8.44	12.81	0.11	<0.025	0.13	0.73	17.0

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter



Appendix C

Laboratory Report No. L877154, dated December 15, 2016 Laboratory Report No. L877168, dated December 15, 2016



ANALYTICAL REPORT

December 15, 2016



S&ME - Huntsville

Sample Delivery Group: Samples Received: Project Number: Description:

L877168 12/08/2016 4482-15-043 Gadsden MS4

Report To:

Mr. Travis Overton 360 D Quality Circle NW Suite 450 Huntsville, AL 35806

Entire Report Reviewed By:

Ceat

Craig Cothron Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.
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SDG: L877168

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

*

Ср

Tc

Ss

Cn

Sr

Qc

GI

ΆI

Sc

AI5 L877168-01 WW			Collected by E. Kennedy	Collected date/time 12/07/16 09:55	Received date/time 12/08/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
0 · · · · A · · · · A · · · · · · · · ·	11/2024000		date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG934898	1	12/14/16 00:42	12/14/16 02:40	ML
Wet Chemistry by Method 351.2	WG933935	1	12/10/16 08:30	12/12/16 11:14	JER
Wet Chemistry by Method 355.2	MC033200	1	12/12/10 10.17	12/12/10 10.17	
Wet Chemistry by Method 4500P E 2011	MC022220	1	12/09/10 11.40	12/12/10 10.27	
wet Chemistry by Method 4500P E-2011	MG337339	I	12/06/10 15:44	12/08/10 15:44	МПМ
GD8 L877168-02 WW			Collected by E. Kennedy	Collected date/time 12/07/16 10:09	Received date/time 12/08/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG934898	1	12/14/16 00:42	12/14/16 02:40	JM
Wet Chemistry by Method 351.2	WG933935	1	12/10/16 08:30	12/12/16 11:18	JER
Wet Chemistry by Method 353.2	WG933987	1	12/12/16 10:18	12/12/16 10:18	DR
Wet Chemistry by Method 365.4	WG933506	1	12/09/16 11:48	12/12/16 16:28	DR
Wet Chemistry by Method 4500P E-2011	WG933570	1	12/09/16 07:06	12/09/16 07:06	JJL
RC2 1 877168-03 WW			Collected by E. Kennedy	Collected date/time 12/07/16 10:30	Received date/time 12/08/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG934898	1	12/14/16 00:42	12/14/16 02:40	JM
Wet Chemistry by Method 351.2	WG933935	1	12/10/16 08:30	12/12/16 11:19	JFR
Wet Chemistry by Method 353.2	WG933987	1	12/12/16 10:23	12/12/16 10:23	DR
Wet Chemistry by Method 365.4	WG933506	1	12/09/16 11:48	12/12/16 16:30	DR
Wet Chemistry by Method 4500P E-2011	WG933570	1	12/09/16 07:06	12/09/16 07:06	JJL
			Collected by	Collected date/time	Received date/time
SS13 L877168-04 WW			E. Kennedy	12/0//16 10:50	12/08/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG934898	1	12/14/16 00:42	12/14/16 02:40	JM
Wet Chemistry by Method 351.2	WG933935	1	12/10/16 08:30	12/12/16 11:20	JER
Wet Chemistry by Method 353.2	WG933987	1	12/12/16 10:24	12/12/16 10:24	DR
Wet Chemistry by Method 365.4	WG933506	1	12/09/16 11:48	12/12/16 16:32	DR
Wet Chemistry by Method 4500P E-2011	WG933570	1	12/09/16 07:09	12/09/16 07:09	JJL
			Collected by	Collected date/time	Received date/time
SS14 L877168-05 WW			Е. Кеппеау	12/07/16 TT:00	12/08/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG934898	1	12/14/16 00:42	12/14/16 02:40	JM
Wet Chemistry by Method 351.2	WG933935	1	12/10/16 08:30	12/12/16 11:23	JER
Wet Chemistry by Method 353.2	WG933988	1	12/12/16 11:51	12/12/16 11:51	DR
Wet Chemistry by Method 365.4	WG933506	1	12/09/16 11:48	12/12/16 16:33	DR
Wet Chemistry by Method 4500P E-2011	WG933570	1	12/09/16 07:09	12/09/16 07:09	

SDG: L877168

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

*

Ср

Tc

Ss

Cn

Sr

Qc

GI

ΆI

Sc

GD12 L877168-06 WW			Collected by E. Kennedy	Collected date/time 12/07/16 11:11	Received date/time 12/08/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG934899	1	12/14/16 00:47	12/14/16 03:11	IM
Wet Chemistry by Method 351 2	WG935030	1	12/13/16 19:46	12/14/16 11:23	IFR
Wet Chemistry by Method 353 2	WG933988	1	12/12/16 11:52	12/12/16 11:52	DR
Wet Chemistry by Method 365.4	WG933506	1	12/09/16 11:48	12/12/16 16:34	DR
Wet Chemistry by Method 4500P E-2011	WG933570	1	12/09/16 07:10	12/09/16 07:10	JJL
SME2 L877168-07 WW			Collected by E. Kennedy	Collected date/time 12/07/16 11:36	Received date/time 12/08/16 09:00
Method	Batch	Dilution	Preparation	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG934899	1	12/14/16 00:47	12/14/16 03:11	IM
Wet Chemistry by Method 351.2	WG935030	1	12/13/16 10:46	12/14/16 11:24	IEP
Wet Chemistry by Method 353.2	MC033020	1	12/13/16 19.40	12/12/16 11:24	
Wet Chemistry by Method 365.4	MC033200	1	12/12/10 11.34	12/12/16 16:25	DR DR
Wet Chemistry by Method 4500P E-2011	WG933570	1	12/09/16 07:10	12/09/16 07:10	JJL
GD6 L877168-08 WW			Collected by E. Kennedy	Collected date/time 12/07/16 13:00	Received date/time 12/08/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG934899	1	12/14/16 00:47	12/14/16 03:11	JM
Wet Chemistry by Method 351.2	WG935030	1	12/13/16 19:46	12/14/16 11:25	JER
Net Chemistry by Method 353.2	WG933988	1	12/12/16 12:00	12/12/16 12:00	DR
Wet Chemistry by Method 365.4	WG933506	1	12/09/16 11:48	12/12/16 16:53	DR
Wet Chemistry by Method 4500P E-2011	WG933570	1	12/09/16 07:10	12/09/16 07:10	JJL
CO15 L877168-09 WW			Collected by E. Kennedy	Collected date/time 12/07/16 14:00	Received date/time 12/08/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG934899	1	12/14/16 00:47	12/14/16 03:11	JM
Net Chemistry by Method 351.2	WG935030	1	12/13/16 19:46	12/14/16 11:28	JER
Net Chemistry by Method 353.2	WG933988	1	12/12/16 12:01	12/12/16 12:01	DR
Wet Chemistry by Method 365.4	WG933506	1	12/09/16 11:48	12/12/16 16:39	DR
Wet Chemistry by Method 4500P E-2011	WG933570	1	12/09/16 07:11	12/09/16 07:11	JJL
SME4 L877168-10 WW			Collected by E. Kennedy	Collected date/time 12/07/16 12:00	Received date/time 12/08/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG934899	1	12/14/16 00:47	12/14/16 03:11	JM
Net Chemistry by Method 351.2	WG935030	1	12/13/16 19:46	12/14/16 11:33	JER
Net Chemistry by Method 353.2	WG933988	1	12/12/16 12:02	12/12/16 12:02	DR
Wet Chemistry by Method 365.4	WG933506	1	12/09/16 11:48	12/12/16 16:41	DR
	WC022570	4	12/00/10 07:11	12/00/10 07:11	1.01

SDG: L877168

CASE NARRATIVE

*

All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Craig Cothron Technical Service Representative

¹ Cp
² Tc
³ Ss
⁴ Cn
⁵Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

Phosphate,Ortho

SAMPLE RESULTS - 01

*

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Suspended Solids	16.9		2.50	1	12/14/2016 02:40	WG934898
Wet Chemistry by I	Method 351.2					
	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	ND		0.250	1	12/12/2016 11:14	WG933935
Wet Chemistry by I	Method 353.2					
	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Nitrate-Nitrite	0.663		0.100	1	12/12/2016 10:17	WG933987
Wet Chemistry by I	Method 365.4					
	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphorus,Total	0.474	B	0.100	1	12/12/2016 16:27	WG933506
Wet Chemistry by I	Method 4500	P E-2011				
	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	

12/08/2016 15:44

WG932338

0.0250

1

0.450

GD8 Collected date/time: 12/07/16	0:09		SAMPLE	RES	ULTS - 02 8	ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by	y Method 2	540 D-201	1				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte Suspended Solids	7.00		2.50	1	date / time 12/14/2016 02:40	WG934898	² Tc
Wet Chemistry by Meth	nod 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		⁴Cn
Kjeldahl Nitrogen, TKN	0.409	B	0.250	1	12/12/2016 11:18	WG933935	
Wet Chemistry by Meth	nod 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		QC
Nitrate-Nitrite	0.308		0.100	1	12/12/2016 10:18	WG933987	
Wet Chemistry by Meth	nod 365.4						⁷ Gl
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		AI
Phosphorus,Total	ND		0.100	1	12/12/2016 16:28	WG933506	⁹ Sc
Wet Chemistry by Meth	nod 4500P	E-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	12/09/2016 07:06	<u>WG933570</u>

Phosphate,Ortho

ND

SAMPLE RESULTS - 03

*

Gravimetric Analysi	s by Method	2540 D-20 [′]	11				1_
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	11.9		2.50	1	12/14/2016 02:40	WG934898	Tc
Wet Chemistry by N	Nethod 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		⁴ Cn
Kjeldahl Nitrogen, TKN	0.532	B	0.250	1	12/12/2016 11:19	WG933935	CI
Wet Chemistry by N	/lethod 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		ို့လူင
Nitrate-Nitrite	0.200		0.100	1	12/12/2016 10:23	WG933987	7
Wet Chemistry by N	/lethod 365.4						Í GI
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8 1
Analyte	mg/l		mg/l		date / time		AI
Phosphorus,Total	ND		0.100	1	12/12/2016 16:30	WG933506	9 ₉
Wet Chemistry by N	Nethod 4500	P E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

12/09/2016 07:06

WG933570

0.0250

SS13 Collected date/time: 12/07/16 10:50	SAMPLE RE	SULTS - 04		ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by Method 2540 D-2	O11				1
Result Qualifier	RDL Dilutio	n Analysis date / time	Batch		Ср
Suspended Solids 3.60	2.50 1	12/14/2016 02:40	WG934898		² Tc
Wet Chemistry by Method 351.2					³ Ss
Result <u>Qualifier</u>	RDL Dilutio	n Analysis	Batch		
Analyte mg/l	mg/l	date / time			4 Cn
(jeldahl Nitrogen, TKN 0.453 <u>B</u>	0.250 1	12/12/2016 11:20	WG933935		CII
Wet Chemistry by Method 353.2					⁵Sr
Result Qualifier	RDL Dilutio	n Analysis	Batch		6
Analyte mg/l	mg/l	date / time			[°] Qc
Vitrate-Nitrite 0.108	0.100 1	12/12/2016 10:24	WG933987		
Net Chemistry by Method 365.4					⁷ Gl
Result Qualifier	RDL Dilutio	n Analysis	Batch		8
Analyte mg/l	mg/l	date / time			AI
Phosphorus, Total ND	0.100 1	12/12/2016 16:32	WG933506		°Sc
Net Chemistry by Method 4500P E-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	12/09/2016 07:09	WG933570

SS14 Collected date/time: 12/07/16 1	1:00		SAMPLE	RES 187716	ULTS - 05	ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by	Method 25	40 D-20	11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	ND		2.50	1	12/14/2016 02:40	WG934898	⁻Tc
Wet Chemistry by Metho	od 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 Cn
Kjeldahl Nitrogen, TKN	0.705	В	0.250	1	12/12/2016 11:23	WG933935	СП
Wet Chemistry by Metho	od 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		°Qc
Nitrate-Nitrite	0.885		0.100	1	12/12/2016 11:51	WG933988	-
							⁷ Gl
Wet Chemistry by Metho	od 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		AI .
Phosphorus,Total	0.147	B	0.100	1	12/12/2016 16:33	WG933506	9
Wat Chamistry by Mathe	nd 4500P F	-2011					SC
wet chemistry by Meth		-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	0.0780		0.0250	1	12/09/2016 07:09	<u>WG933570</u>

GD12 Collected date/time: 12/07/16 11	:11		SAMPLE	RES L87716	ULTS - 06		ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by M	Method 254	40 D-201	1					1
	Result	Qualifier	RDL	Dilution	Analysis	Batch		Ср
Analyte	mg/l		mg/l		date / time			2
Suspended Solids	4.00		2.50	1	12/14/2016 03:11	WG934899		Tc
Wet Chemistry by Metho	d 351.2							³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch		
Analyte	mg/l		mg/l		date / time			4 Cn
Kjeldahl Nitrogen, TKN	0.599		0.250	1	12/14/2016 11:23	WG935030		CIT
Wet Chemistry by Metho	d 353.2							⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch		G
Analyte	mg/l		mg/l		date / time			°Qc
Nitrate-Nitrite	0.142		0.100	1	12/12/2016 11:52	WG933988		
								⁷ Gl
Wet Chemistry by Metho	d 365.4							· ·
	Result	Qualifier	RDL	Dilution	Analysis	Batch		8
Analyte	mg/l		mg/l		date / time			AI
Phosphorus, Total	ND		0.100	1	12/12/2016 16:34	WG933506		°Sc
Wet Chemistry by Metho	d 4500P E	-2011						

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	12/09/2016 07:10	WG933570

SAMPLE RESULTS - 07

*

	Posult	Qualifier	PDI	Dilution	Analysis	Batch	(
Analyto	ma/l	Quanner	ma/l	Dilution	Analysis data / timo	Batch	
Analyte	111g/1		nig/i	4		1//2022/2022	² _
Suspended Solids	5.80		2.50	1	12/14/2016 03:11	<u>WG934899</u>	
Wet Chemistry by N	Nethod 351.2						3
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4
Kjeldahl Nitrogen, TKN	0.469		0.250	1	12/14/2016 11:24	WG935030	
Wet Chemistry by N	lethod 353.2						55
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	ND		0.100	1	12/12/2016 11:54	<u>WG933988</u>	7
Wet Chemistry by N	/lethod 365.4						[′] •
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		<i>F</i>
Phosphorus, Total	0.101	B	0.100	1	12/12/2016 16:35	<u>WG933506</u>	9
Wet Chemistry by N	lethod 4500	P E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

Tanatyte	iiig/i	ing/i		date / time	
Phosphate,Ortho	ND	0.0250	1	12/09/2016 07:10	WG933570

GD6 Collected date/time: 12/07/16 13	:00		SAMPLE	RESU	ULTS - 08	ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by N	Method 254	40 D-201'	1				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	7.50		2.50	1	12/14/2016 03:11	<u>WG934899</u>	⁻Tc
Wet Chemistry by Metho	d 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 Cn
Kjeldahl Nitrogen, TKN	0.485	<u>J6</u>	0.250	1	12/14/2016 11:25	<u>WG935030</u>	
Wet Chemistry by Metho	d 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	C
Analyte	mg/l		mg/l		date / time		°Qc
Nitrate-Nitrite	0.365		0.100	1	12/12/2016 12:00	WG933988	
Wet Chemistry by Metho	d 365 4						⁷ Gl
Wet ellennistry by Metho	<u> </u>	0 115		D .1	A 1 -		
Analyte	Result ma/l	Qualifier	RDL ma/l	Dilution	Analysis date / time	Batch	Å
Phosphorus Total	ND		0.100	1	12/12/2016 16:53	WG933506	
					,, 2010 10.00		[°] Sc
Wet Chemistry by Metho	d 4500P E	-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	12/09/2016 07:10	WG933570

CO15 Collected date/time: 12/07/16 14	1:00		SAMPLE	RES L87716	ULTS - 09	ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by N	Method 25	40 D-201	1				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	14.8		2.50	1	12/14/2016 03:11	WG934899	⁻Tc
Wet Chemistry by Metho	d 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 Cn
Kjeldahl Nitrogen, TKN	0.665		0.250	1	12/14/2016 11:28	<u>WG935030</u>	
Wet Chemistry by Metho	d 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	G
Analyte	mg/l		mg/l		date / time		°Qc
Nitrate-Nitrite	ND		0.100	1	12/12/2016 12:01	WG933988	
Wet Chemistry by Metho	d 365 4						⁷ Gl
	Decult	Qualifier		Dilution	Analysis	Datch	8
Analyto	ma/l	Qualifier	RDL ma/l	Dilution	Alidiysis date / time	Balch	ĬAĬ
Phosphorus Total	ND		0.100	1	12/12/2016 16:39	WG933506	
1103010103,10101	ND		0.100	ı	12/12/2010 10.35	<u>wessesou</u>	°Sc
Wet Chemistry by Metho	d 4500P E	-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	12/09/2016 07:11	WG933570

Phosphate,Ortho

0.446

SAMPLE RESULTS - 10

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		2040 0-20					1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	17.3		2.50	1	12/14/2016 03:11	<u>WG934899</u>	
Wet Chemistry by N	Method 351.2						з
	Result	Qualifier	RDL	Dilution	Analysis	Batch	L
Analyte	mg/l		mg/l		date / time		4
Kjeldahl Nitrogen, TKN	0.344		0.250	1	12/14/2016 11:33	<u>WG935030</u>	
Wet Chemistry by M	Method 353.2						5
	Result	Qualifier	RDL	Dilution	Analysis	Batch	e
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	0.695		0.100	1	12/12/2016 12:02	WG933988	
Wet Chemistry by N	Method 365.4						ĺ
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	0.514	B	0.100	1	12/12/2016 16:41	<u>WG933506</u>	ç
Wet Chemistry by N	Method 4500F	P E-2011					L
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

0.0250

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12/09/2016 07:11

WG933570

Gravimetric Analysis by Method 2540 D-2011

QUALITY CONTROL SUMMARY L877168-01,02,03,04,05

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Method Blank (MB)

(MB) R3184733-1 12/14/16	6 02:40			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Suspended Solids	U		0.350	2.50

L877154-04 Original Sample (OS) • Duplicate (DUP)

(OS) L877154-04 12/14/16 ((OS) L877154-04 12/14/16 02:40 • (DUP) R3184733-4 12/14/16 02:40										
Original Result DUP Result Dilution DUP RPD DUP Qualifier DUP RPD Limits											
Analyte	mg/l	mg/l		%		%					
Suspended Solids	38.3	36.3	1	5.36	<u>J3</u>	5					

L877164-01 Original Sample (OS) • Duplicate (DUP)

L877104-01 Oligilia	i Sample (C	JS) • Dupin		UF)			7
(OS) L877164-01 12/14/16 0	2:40 • (DUP) R	3184733-5 12/	14/16 02:4	0			GI
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits	
Analyte	mg/l	mg/l		%		%	⁸ Al
Suspended Solids	35.0	36.5	1	4.20		5	

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3184733-2 12/14/16	(LCS) R3184733-2 12/14/16 02:40 • (LCSD) R3184733-3 12/14/16 02:40												
Spike Amount LCS Result LCSD Result LCS Rec. LCSD Rec. Rec. Limits LCS Qualifier LCSD Qualifier RPD RPD Limits													
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%			
Suspended Solids	773	740	748	95.7	96.8	85.0-115			1.08	5			

Gravimetric Analysis by Method 2540 D-2011

QUALITY CONTROL SUMMARY

Τс

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Method Blank (MB)

(MB) R3184730-1 12/14/16	03:11			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Suspended Solids	U		0.350	2.50

L877168-06 Original Sample (OS) • Duplicate (DUP)

(OS) L877168-06 12/14/16	03:11 • (DUP) R3	184730-4 12/1	4/16 03:11								
Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD Limits											
Analyte	mg/l	mg/l		%		%					
Suspended Solids	4.00	4.00	1	0.000		5					

L877357-01 Original Sample (OS) • Duplicate (DUP)

Lorrssr-or Origina	i Sample (d	JS) • Dupi	cale (D	UF)			7
(OS) L877357-01 12/14/16 0)3:11 • (DUP) R3	184730-5 12/1	4/16 03:11				GI
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits	
Analyte	mg/l	mg/l		%		%	⁸ Al
Suspended Solids	12.8	12.3	1	4.00		5	

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3184730-2 12/14/16	(LCS) R3184730-2 12/14/16 03:11 • (LCSD) R3184730-3 12/14/16 03:11												
Spike Amount LCS Result LCSD Result LCS Rec. LCSD Rec. Rec. Limits LCS Qualifier LCSD Qualifier RPD RPD Limits													
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%			
Suspended Solids	773	728	744	94.2	96.2	85.0-115			2.17	5			

Wet Chemistry by Method 351.2

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3183970-5 12/12/	IB) R3183970-5 12/12/16 10:44									
	MB Result	MB Qualifier	MB MDL	MB RDL						
Analyte	mg/l		mg/l	mg/l						

L877168-05 Original Sample (OS) • Duplicate (DUP)

(OS) L877168-05 12/12/16	11:23 • (DUP) R3	3183970-9 12/	12/16 11:25								
Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD Limits											
Analyte	mg/l	mg/l		%		%					
Kjeldahl Nitrogen, TKN	0.705	0.720	1	2.00		20					

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3183970-10 12/12/16	(LCS) R3183970-10 12/12/16 11:27 • (LCSD) R3183970-11 12/12/16 11:28											
Spike Amount LCS Result LCSD Result LCS Rec. LCSD Rec. Rec. Limits LCS Qualifier LCSD Qualifier RPD RPD Limits												
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%		
Kjeldahl Nitrogen, TKN	23.6	21.8	21.4	92.0	91.0	90.0-110			2.00	20		

L877154-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L877154-02 12/12/16	OS) L877154-02 12/12/16 10:58 • (MS) R3183970-6 12/12/16 11:00											
Spike Amount Original Result MS Result MS Rec. Dilution Rec. Limits MS Qualifier												
Analyte	mg/l	mg/l	mg/l	%		%						
Kjeldahl Nitrogen, TKN	5.00	0.419	4.78	87.0	1	90.0-110	J6					

L877168-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L877168-01 12/12/16 11	OS) L877168-01 12/12/16 11:14 • (MS) R3183970-7 12/12/16 11:15 • (MSD) R3183970-8 12/12/16 11:16													
	Spike Amount Original Result MS Result MSD Result MS Rec. MSD Rec. Dilution Rec. Limits <u>MS Qualifier</u> MSD Qualifier RPD RPD Limits													
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%		
Kjeldahl Nitrogen, TKN	5.00	ND	4.63	4.62	93.0	92.0	1	90.0-110			0.000	20		

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SDG: L877168 DATE/TIME: 12/15/16 11:06 PAGE: 18 of 29

Wet Chemistry by Method 351.2

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3184567-1 12/14/16	6 11:17			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Kjeldahl Nitrogen, TKN	U		0.0350	0.250

L877168-09 Original Sample (OS) • Duplicate (DUP)

(OS) L877168-09 12/14/16	11:28 • (DUP) R3	3184567-5 12/	14/16 11:31			
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Kjeldahl Nitrogen, TKN	0.665	0.708	1	6.00		20

L877244-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877244-01 12/14/16 1	OS) L877244-01 12/14/16 11:40 • (DUP) R3184567-6 12/14/16 11:41												
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits							
Analyte	mg/l	mg/l		%		%							
Kjeldahl Nitrogen, TKN	13.0	12.5	1	4.00		20							

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3184567-2 12/14/16	(LCS) R3184567-2 12/14/16 11:18 • (LCSD) R3184567-3 12/14/16 11:19												
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits			
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%			
Kjeldahl Nitrogen, TKN	23.6	22.3	21.6	94.0	91.0	90.0-110			3.00	20			

L877168-08 Original Sample (OS) • Matrix Spike (MS)

(OS) L877168-08 12/14/16 1	OS) L877168-08 12/14/16 11:25 • (MS) R3184567-4 12/14/16 11:27												
	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier						
Analyte	mg/l	mg/l	mg/l	%		%							
Kjeldahl Nitrogen, TKN	5.00	0.485	4.83	87.0	1	90.0-110	<u>J6</u>						

L877277-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L877277-01 12/14/16 1	DS) L877277-01 12/14/16 11:47 • (MS) R3184567-7 12/14/16 11:48 • (MSD) R3184567-8 12/14/16 11:49												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	ma/l	ma/l	ma/l	ma/l	%	%		%			%	%	
	gr.		iiig/i	iiig/i	70	70		70			70	70	

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Wet Chemistry by Method 353.2

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3184003-1 12/12/16	6 09:44			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Nitrate-Nitrite	U		0.0197	0.100

L876823-01 Original Sample (OS) • Duplicate (DUP)

(OS) L876823-01 12/12/16	S) L876823-01 12/12/16 09:48 • (DUP) R3184003-4 12/12/16 09:49									
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits				
Analyte	mg/l	mg/l		%		%				
Nitrate-Nitrite	0.168	0.142	1	17.0		20				

L877154-06 Original Sample (OS) • Duplicate (DUP)

(OS) L877154-06 12/12/16 1	(OS) L877154-06 12/12/16 10:03 • (DUP) R3184003-6 12/12/16 10:04												
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits							
Analyte	mg/l	mg/l		%		%							
Nitrate-Nitrite	ND	ND	1	0.000		20							

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3184003-2 12/12/16	(LCS) R3184003-2 12/12/16 09:45 • (LCSD) R3184003-3 12/12/16 09:46												
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits			
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%			
Nitrate-Nitrite	5.00	4.94	5.07	99.0	101	90.0-110			3.00	20			

L876844-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L876844-01 12/12/16	S) L876844-01 12/12/16 09:51 • (MS) R3184003-5 12/12/16 09:52											
	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier					
Analyte	mg/l	mg/l	mg/l	%		%						
Nitrate-Nitrite	5.00	0.526	5.29	95.0	1	90.0-110						

L877154-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L877154-10 12/12/16 10	·S) L877154-10 12/12/16 10:12 • (MS) R3184003-7 12/12/16 10:13 • (MSD) R3184003-8 12/12/16 10:14											
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate-Nitrite	5.00	ND	5.25	4.90	103	96.0	1	90.0-110			7.00	20

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Wet Chemistry by Method 353.2

QUALITY CONTROL SUMMARY

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Method Blank (MB)

MB) R3184004-1 12/12/16 11:46							
	MB Result	MB Qualifier	MB MDL	MB RDL			
Analyte	mg/l		mg/l	mg/l			
Nitrate-Nitrite	U		0.0197	0.100			

L877168-06 Original Sample (OS) • Duplicate (DUP)

(OS) L877168-06 12/12/16)S) L877168-06 12/12/16 11:52 • (DUP) R3184004-4 12/12/16 11:53										
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits					
Analyte	mg/l	mg/l		%		%					
Nitrate-Nitrite	0.142	0.116	1	20.0		20					

L877217-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877217-01 12/12/16 12	S) L877217-01 12/12/16 12:03 • (DUP) R3184004-6 12/12/16 12:04										
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits					
Analyte	mg/l	mg/l		%		%					
Nitrate-Nitrite	0.315	0.288	1	9.00		20					

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3184004-2 12/12/16	6 11:48 • (LCSD)	R3184004-3 12	2/12/16 11:49							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Nitrate-Nitrite	5.00	5.03	5.08	101	102	90.0-110			1.00	20

L877168-07 Original Sample (OS) • Matrix Spike (MS)

(OS) L877168-07 12/12/16 1	1:54 • (MS) R318	84004-5 12/12	/16 11:55				
	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Nitrate-Nitrite	5.00	ND	4.99	98.0	1	90.0-110	

L877266-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L877266-01 12/12/16 1	JS) L877266-01 12/12/16 12:19 • (MS) R3184004-7 12/12/16 12:20 • (MSD) R3184004-8 12/12/16 12:25											
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate-Nitrite	5.00	ND	4.90	4.87	98.0	97.0	1	90.0-110			1.00	20

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Wet Chemistry by Method 365.4

QUALITY CONTROL SUMMARY <u>L877168-01,02,03,04,05,06,07,08,09,10</u>

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Method Blank (MB)

(MB) R3184112-1 12/12/16 16:10								
	MB Result	MB Qualifier	MB MDL	MB RDL				
Analyte	mg/l		mg/l	mg/l				
Phosphorus,Total	0.0550	J	0.0350	0.100				

L877168-02 Original Sample (OS) • Duplicate (DUP)

(OS) L877168-02 12/12/16	OS) L877168-02 12/12/16 16:28 • (DUP) R3184112-6 12/12/16 16:29										
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits					
Analyte	mg/l	mg/l		%		%					
Phosphorus, Total	ND	ND	1	0.000		20					

L877175-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877175-01 12/12/16 16	6:42 • (DUP) R3	184112-7 12/12	/16 16:43			
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Phosphorus, Total	0.331	0.308	1	7.00		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3184112-2 12/12/16 1	16:11 • (LCSD) R	3184112-3 12/12	2/16 16:12							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Phosphorus, Total	1.00	0.989	0.941	99.0	94.0	90.0-110			5.00	20

L877166-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L877166-02 12/12/16 1	6:19 • (MS) R31	84112-4 12/12/1	6 16:20 • (MSD) R3184112-5 12	2/12/16 16:21							
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Phosphorus,Total	2.50	3.37	5.51	5.68	86.0	92.0	1	90.0-110	E J6	E	3.00	20

ACCOUNT:	
S&ME - Huntsville	

PROJECT: 4482-15-043

SDG: L877168 DATE/TIME: 12/15/16 11:06 PAGE: 22 of 29

Wet Chemistry by Method 4500P E-2011

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3183395-1 12/08/	16 15:27			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Phosphate,Ortho	U		0.00900	0.0250

L877116-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877116-01 12/08/16 1	5:36 • (DUP) R3	3183395-4 12/	08/16 15:3	6		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Phosphate,Ortho	0.102	0.0990	1	3.00		20

L877168-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877168-01 12/08/16	L877168-01 12/08/16 15:44 • (DUP) R3183395-7 12/08/16 15:45										
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits					
Analyte	mg/l	mg/l		%		%					
Phosphate,Ortho	0.450	0.446	1	1.00		20					

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3183395-2 12/08/16	6 15:27 • (LCSD) R3183395-3	12/08/16 15:27							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Phosphate,Ortho	0.750	0.686	0.681	91.0	91.0	85.0-115			1.00	20

L877116-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L877116-01 12/08/16 1	5:36 • (MS) R31	83395-5 12/08	3/16 15:38 • (MS	D) R3183395-6	6 12/08/16 15:3	8						
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Phosphate,Ortho	0.500	0.102	0.464	0.462	72.0	72.0	1	80.0-120	<u>J6</u>	<u>J6</u>	0.000	20

PROJECT: 4482-15-043

SDG: L877168 DATE/TIME: 12/15/16 11:06

PAGE: 23 of 29

Wet Chemistry by Method 4500P E-2011

QUALITY CONTROL SUMMARY 1877168-02.03,04,05,06,07,08,09,10

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Method Blank (MB)

(MB) R3183577-1 12/09/	/16 07:04			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Phosphate,Ortho	U		0.00900	0.0250

L877168-03 Original Sample (OS) • Duplicate (DUP)

(OS) L877168-03 12/09/16	07:06 • (DUP) I	R3183577-4 12	2/09/16 07	:08		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Phosphate,Ortho	ND	ND	1	0.000		20

L877176-03 Original Sample (OS) • Duplicate (DUP)

(OS) L877176-03 12/09/16	07:13 • (DUP) R	3183577-7 12/	09/16 07:	15		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Phosphate,Ortho	0.0590	0.0590	1	0.000		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3183577-2 12/09/16 07:04 • (LCSD) R3183577-3 12/09/16 07:04											
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits	
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%	
Phosphate,Ortho	0.750	0.721	0.724	96.0	97.0	85.0-115			0.000	20	

L877168-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L877168-03 12/09/16 07:06 • (MS) R3183577-5 12/09/16 07:08 • (MSD) R3183577-6 12/09/16 07:08												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Phosphate,Ortho	0.500	ND	0.542	0.542	105	105	1	80.0-120			0.000	20

SDG: L877168

GLOSSARY OF TERMS

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SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Rec.	Recovery.

Qualifier	Description
В	The same analyte is found in the associated blank.
E	The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL).
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

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ACCREDITATIONS & LOCATIONS

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Qc

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ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.** * Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
lowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee 14	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ². Underground Storage Tanks ³. Aquatic Toxicity ⁴. Chemical/Microbiological ⁵. Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



ACCOUNT:	PROJECT:	SDG:	DATE/TIME:
S&ME - Huntsville	4482-15-043	L877168	12/15/16 11:06

CRAFT - Huntruille			Billing tell	ding Information & Quate Number:				Analysis / Container / Preservative				M	Out of Funda Asia			
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Report to: Mr. Travis Overton			Oraș Ta 1	townton@amalia.	ann /			-	1			100			Not the first	- Bat
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RC2		ww	31		1030	4	x	x	x	x		1000	100			02
5513		ww	3		1050	4	x	x	x	x			-		-	07
5514		ww	31		NOD	4	x	x	x	x		100	1		-	97
6D12		ww	31		1111	4	x	x	x	x		100	-		-	6
CO14 MDRYN		ww	DRY		1120	4	x	x	x	x			-		-	14
SME2	100	ww	31		11310	4	x	x	x	x		1000	-			54.00
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	Cooler Red	eipt Form	-				
Client:	87	877162					
Cooler Received/Opened On: 12/ \$ /2016 Temperature Upon Receipt:					31 *		
Received By: Timiesha Scott							
Signature:	dist						
1	Receipt Check List		Yes	No	N/A		
Were custody seals on outside of	cooler and intact?		1	1	1000		
Were custody papers properly fil	led out?		1				
Did all bottles arrive in good con-	fition?		1		1		
Were correct bottles used for the	analyses requested?		1	1	1.00		
Was sufficient amount of sample	sent in each bottle?		1				
Were all applicable sample conta	iners correctly preserv	ved and	1	1			
checked for preservation? (Any n	ot in accepted range r	noted on COC)			1 million		
If applicable, was an observable	VOA headspace preser	nt?		1	1		
Non Conformance Generated. (If	yes see attached NCF)					



ANALYTICAL REPORT

December 15, 2016



S&ME - Huntsville

Sample Delivery Group: Samples Received: Project Number: Description:

L877154 12/08/2016 4482-16-059 Gadsden MS4

Report To:

Mr. Travis Overton 360 D Quality Circle NW Suite 450 Huntsville, AL 35806

Entire Report Reviewed By:

Ceat

Craig Cothron Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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²Cp ²Tc ³Ss ⁴Cn ⁵Sr ⁶Qc ⁷Gl ⁸Al ⁹Sc

ACCOUNT: S&ME - Huntsville PROJECT: 4482-16-059 SDG: L877154 DATE/TIME: 12/15/16 11:04 **PAGE**: 2 of 26

SAMPLE SUMMARY

ONE LAB. NATIONWIDE.

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RC14 L877154-01 WW			Collected by Jesse Wheat	Collected date/time 12/07/16 09:45	Received date/time 12/08/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG934561	1	12/13/16 22:57	12/14/16 00:03	IM
Wet Chemistry by Method 351.2	WG933935	1	12/10/16 08:30	12/12/16 12:35	JFR
Wet Chemistry by Method 353.2	WG933603	1	12/09/16 11:58	12/09/16 11:58	DR
Wet Chemistry by Method 365.4	WG933505	1	12/09/16 11:48	12/12/16 14:13	DR
Wet Chemistry by Method 4500P E-2011	WG932338	1	12/08/16 15:39	12/08/16 15:39	MHM
SS5 L877154-02 WW			Collected by Jesse Wheat	Collected date/time 12/07/16 10:55	Received date/time 12/08/16 09:00
Method	Batch	Dilution	Preparation	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG934561	1	12/13/16 22:57	12/14/16 00:03	IM
Wat Chemistry by Method 351.2	WG033035	1	12/10/16 08:30	12/17/16 10:58	IEP
Wet Chemistry by Method 353.2	MC0338U3	ı 1	12/10/10 00.30	12/10/16 12:00	
Wet Chemistry by Method 365.4	WG0332003	1	12/09/16 11:48	12/12/16 12:00	DD
Wet Chemistry by Method 4500P E-2011	WG932338	1	12/08/16 15:39	12/08/16 15:39	MHM
SME1 L877154-03 WW			Collected by Jesse Wheat	Collected date/time 12/07/16 11:10	Received date/time 12/08/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG934561	1	12/13/16 22:57	12/14/16 00:03	JM
Net Chemistry by Method 351.2	WG933935	1	12/10/16 08:30	12/12/16 11:01	JER
Wet Chemistry by Method 353.2	WG933603	1	12/09/16 12:06	12/09/16 12:06	DR
Wet Chemistry by Method 365.4	WG933505	1	12/09/16 11:48	12/12/16 14:15	DR
Net Chemistry by Method 4500P E-2011	WG932338	1	12/08/16 15:40	12/08/16 15:40	MHM
GD9 L877154-04 WW			Collected by Jesse Wheat	Collected date/time 12/07/16 11:20	Received date/time 12/08/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG934898	1	12/14/16 00:42	12/14/16 02:40	JM
Net Chemistry by Method 351.2	WG933935	1	12/10/16 08:30	12/12/16 11:02	JER
Net Chemistry by Method 353.2	WG933603	1	12/09/16 12:07	12/09/16 12:07	DR
Wet Chemistry by Method 365.4	WG933505	1	12/09/16 11:48	12/12/16 14:17	DR
Net Chemistry by Method 4500P E-2011	WG932338	1	12/08/16 15:42	12/08/16 15:42	MHM
GD7 L877154-05 WW			Collected by Jesse Wheat	Collected date/time 12/07/16 11:30	Received date/time 12/08/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG934898	1	12/14/16 00:42	12/14/16 02:40	JM
Net Chemistry by Method 351.2	WG933935	1	12/10/16 08:30	12/12/16 11:03	JER
Wet Chemistry by Method 353.2	WG933987	1	12/12/16 10:02	12/12/16 10:02	DR
Wet Chemistry by Method 365.4	WG933505	1	12/09/16 11:48	12/12/16 14:18	DR
Wat Chamistry by Mathad 4500P E 2011	WG932338	1	12/08/16 15.42	12/08/16 15:42	МНМ

SDG: L877154

SAMPLE SUMMARY

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GD5 L877154-06 WW			Collected by Jesse Wheat	Collected date/time 12/07/16 14:10	Received date/time 12/08/16 09:00
Method	Batch	Dilution	Preparation	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG934898	1	12/14/16 00:42	12/14/16 02:40	IM
Wet Chemistry by Method 3512	WG933935	1	12/10/16 08:30	12/12/16 11:04	IFR
Wet Chemistry by Method 353.2	WG933987	1	12/12/16 10:03	12/12/16 10:03	DR
Wet Chemistry by Method 365.4	WG933505	1	12/09/16 11:48	12/12/16 14:26	DR
Wet Chemistry by Method 4500P E-2011	WG932338	1	12/08/16 15:43	12/08/16 15:43	MHM
GD3 L877154-07 WW			Collected by Jesse Wheat	Collected date/time 12/07/16 14:20	Received date/time 12/08/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
Crowingstrip Applying by Mathed 2040 D 2011	WC024000	1		12/14/16 02:40	INA
Gravimetric Andiysis by Method 2540 D-2011	WG934898	1	12/14/10 00:42	12/14/10 UZ:40	
Wet Chemistry by Method 252.2	W6933935	1	12/10/10 08:30	12/12/10 11:00	JEK
Wet Chemistry by Method 353.2	W693398/	1	12/12/10 10:05	12/12/10 10:05	DK
Wet Chemistry by Method 355.4 Wet Chemistry by Method 4500P E-2011	WG933505 WG932338	1	12/09/16 11:48	12/08/16 15:43	MHM
SME3 L877154-08 WW			Collected by Jesse Wheat	Collected date/time 12/07/16 14:30	Received date/time 12/08/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG934898	1	12/14/16 00:42	12/14/16 02:40	JM
Net Chemistry by Method 351.2	WG933935	1	12/10/16 08:30	12/12/16 11:26	JER
Net Chemistry by Method 353.2	WG933987	1	12/12/16 10:10	12/12/16 10:10	DR
Wet Chemistry by Method 365.4	WG933505	1	12/09/16 11:48	12/12/16 14:30	DR
Net Chemistry by Method 4500P E-2011	WG932338	1	12/08/16 15:43	12/08/16 15:43	MHM
HB3 L877154-09 WW			Collected by Jesse Wheat	Collected date/time 12/07/16 13:30	Received date/time 12/08/16 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG934898	1	12/14/16 00:42	12/14/16 02:40	JM
wet Chemistry by Method 351.2	WG933935	1	12/10/16 08:30	12/12/16 11:08	JER
Wet Chemistry by Method 353.2	WG933987	1	12/12/16 10:11	12/12/16 10:11	DR
Wet Chemistry by Method 365.4	WG933505	1	12/09/16 11:48	12/12/16 14:31	DR
wet Chemistry by Method 4500P E-2011	WG932338	1	12/08/16 15:44	12/08/16 15:44	MHM
SME5 L877154-10 WW			Collected by Jesse Wheat	Collected date/time 12/07/16 13:40	Received date/time 12/08/16 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG934898	1	12/14/16 00:42	12/14/16 02:40	JM
Wet Chemistry by Method 351.2	WG933935	1	12/10/16 08:30	12/12/16 11:12	JER
Wet Chemistry by Method 353.2	WG933987	1	12/12/16 10:12	12/12/16 10:12	DR
Wet Chemistry by Method 365.4	WG933505	1	12/09/16 11:48	12/12/16 14:32	DR
Wat Chamistry by Mathad JEOOD E 2011	WC032338	1	12/08/16 15:44	12/08/16 15:44	мнм

SDG: L877154

CASE NARRATIVE

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All sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Craig Cothron Technical Service Representative

¹ Cp
² Tc
³ Ss
⁴ Cn
⁵Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SDG: L877154

RC14 Collected date/time: 12/07/16 0	9:45		SAMPLE	RES 187715	ULTS - 01	ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by I	Method 25	40 D-2011					1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
nalyte	mg/l		mg/l		date / time		2
uspended Solids	8.60		2.50	1	12/14/2016 00:03	<u>WG934561</u>	Тс
Net Chemistry by Metho	od 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
nalyte	mg/l		mg/l		date / time		4 Cn
(jeldahl Nitrogen, TKN	0.252	В	0.250	1	12/12/2016 12:35	WG933935	СП
Net Chemistry by Metho	od 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	C
nalyte	mg/l		mg/l		date / time		°Qc
litrate-Nitrite	ND		0.100	1	12/09/2016 11:58	WG933603	
							⁷ Gl
Net Chemistry by Metho	d 365.4						0.
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
nalyte	mg/l		mg/l		date / time		A
hosphorus,Total	ND		0.100	1	12/12/2016 14:13	<u>WG933505</u>	9 S C
Net Chemistry by Metho	d 4500P E	-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	12/08/2016 15:39	WG932338

F

Phosphate,Ortho

ND

SAMPLE RESULTS - 02



Analyte	ma/l		ma/l		date / time		
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Wet Chemistry by M	lethod 4500F	⊃ E-2011					
Phosphorus,Total	0.116	B	0.100	1	12/12/2016 14:14	WG933505	9
Analyte	mg/l		mg/l		date / time		
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Wet Chemistry by M	1ethod 365.4						
Nitrate-Nitrite	ND		0.100	1	12/09/2016 12:00	<u>WG933603</u>	7
Analyte	mg/l		mg/l		date / time		°C
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Wet Chemistry by M	lethod 353.2						55
Kjeldahl Nitrogen, TKN	0.419	BJ6	0.250	1	12/12/2016 10:58	<u>WG933935</u>	Ľ
Analyte	mg/l		mg/l		date / time		4
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Wet Chemistry by M	lethod 351.2						³ C
Suspended Solids	8.00		2.50	1	12/14/2016 00:03	WG934561	T
Analyte	mg/l		mg/l		date / time		2
	Result	Qualifier	RDL	Dilution	Analysis	Batch	

12/08/2016 15:39

WG932338

0.0250

Phosphate,Ortho

0.209

SAMPLE RESULTS - 03

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Gravimetric Analysi	s by Method	2540 D-20 [°]	11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	17.7		2.50	1	12/14/2016 00:03	<u>WG934561</u>	Ť
Wet Chemistry by N	Method 351.2						³ S
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4
Kjeldahl Nitrogen, TKN	0.378	B	0.250	1	12/12/2016 11:01	WG933935	
Wet Chemistry by N	Method 353.2						⁵ S
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		Č
Nitrate-Nitrite	0.413		0.100	1	12/09/2016 12:06	WG933603	7
Wet Chemistry by N	Method 365.4						í e
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		F
Phosphorus,Total	0.271	B	0.100	1	12/12/2016 14:15	WG933505	9
Wet Chemistry by N	Method 4500	P E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

0.0250

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12/08/2016 15:40

WG932338
GD9 Collected date/time: 12/07/16	11:20		SAMPLE	E RES	ULTS - 04		ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by	/ Method 2	540 D-20	11					1
Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch		Ср
Suspended Solids	38.3	<u>13</u>	2.50	1	12/14/2016 02:40	WG934898		² Tc
Wet Chemistry by Meth	nod 351.2							³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch		
Analyte	mg/l		mg/l		date / time			⁴Cn
Kjeldahl Nitrogen, TKN	0.378	B	0.250	1	12/12/2016 11:02	WG933935		
Wet Chemistry by Meth	nod 353.2							⁵ Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch		6
Analyte	mg/l		mg/l		date / time			ČQc
Nitrate-Nitrite	ND		0.100	1	12/09/2016 12:07	WG933603		
								⁷ Gl
Wet Chemistry by Meth	nod 365.4							
	Result	Qualifier	RDL	Dilution	Analysis	Batch		8
Analyte	mg/l		mg/l		date / time			AI
Phosphorus,Total	0.130	B	0.100	1	12/12/2016 14:17	WG933505		⁰Sc
Wet Chemistry by Meth	nod 4500P	E-2011						

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	12/08/2016 15:42	WG932338

GD7 Collected date/time: 12/07/16 11	:30	S	AMPLE	RES 187715	ULTS - 05 ₄	ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by N	Method 25	40 D-2011					1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	7.75		2.50	1	12/14/2016 02:40	WG934898	⁻Tc
Wet Chemistry by Metho	d 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 Cn
Kjeldahl Nitrogen, TKN	0.355	B	0.250	1	12/12/2016 11:03	WG933935	СП
Wet Chemistry by Metho	d 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	C
Analyte	mg/l		mg/l		date / time		°Qc
Nitrate-Nitrite	ND		0.100	1	12/12/2016 10:02	WG933987	-
Mat Character , by Matha							⁷ Gl
wet Chemistry by Metho	0 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	⁸ AI
Analyte	mg/l		mg/l		date / time		<i>/</i>
Phosphorus,Total	ND	<u>J6</u>	0.100	1	12/12/2016 14:18	WG933505	⁹ Sc
Wet Chemistry by Metho	d 4500P E	-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	12/08/2016 15:42	WG932338

GD5 Collected date/time: 12/07/16 1	14:10		SAMPLE	RES 187715	ULTS - 06 4	ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by	Method 25	40 D-201	11				1
Analvte	Result ma/l	Qualifier	RDL ma/l	Dilution	Analysis date / time	Batch	Ср
Suspended Solids	6.80		2.50	1	12/14/2016 02:40	WG934898	² Tc
Wet Chemistry by Meth	od 351.2						³Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 Cn
Kjeldahl Nitrogen, TKN	0.337	B	0.250	1	12/12/2016 11:04	<u>WG933935</u>	
Wet Chemistry by Meth	od 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	C
Analyte	mg/l		mg/l		date / time		°Qc
Nitrate-Nitrite	ND		0.100	1	12/12/2016 10:03	WG933987	
Wet Chemistry by Meth	od 365.4						⁷ Gl
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		AI
Phosphorus, Total	ND		0.100	1	12/12/2016 14:26	WG933505	⁹ Sc
Wet Chemistry by Meth	od 4500P E	-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	12/08/2016 15:43	WG932338

ND

SAMPLE RESULTS - 07



	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time	—	
Suspended Solids	8.13		2.50	1	12/14/2016 02:40	WG934898	
Wet Chemistry by N	Nethod 351.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Kjeldahl Nitrogen, TKN	0.356	В	0.250	1	12/12/2016 11:06	WG933935	
Wet Chemistry by N	/lethod 353.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
litrate-Nitrite	ND		0.100	1	12/12/2016 10:05	WG933987	
Net Chemistry by N	/lethod 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	ND		0.100	1	12/12/2016 14:28	WG933505	
Wet Chemistry by N	/lethod 4500l	P E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	ma/l		ma/l		date / time		

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SAMPLE RESULTS - 08

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	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Suspended Solids	9.38		2.50	1	12/14/2016 02:40	<u>WG934898</u>	
Wet Chemistry by N	Method 351.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Kjeldahl Nitrogen, TKN	1.78		0.250	1	12/12/2016 11:26	WG933935	
Wet Chemistry by N	Method 353.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	ND		0.100	1	12/12/2016 10:10	WG933987	
Wet Chemistry by N	Nethod 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	0.147	В	0.100	1	12/12/2016 14:30	WG933505	
Wet Chemistry by N	Method 4500	⊃ E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analista	····· //		ma m /l		data (tima		

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SAMPLE RESULTS - 09

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Gravimetric Analysi	is by Method	2540 D-20 [°]	11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	17.0		2.50	1	12/14/2016 02:40	WG934898	Ť
Wet Chemistry by N	Method 351.2						³ S
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4
Kjeldahl Nitrogen, TKN	0.730		0.250	1	12/12/2016 11:08	WG933935	
Wet Chemistry by N	Method 353.2						⁵ S
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		Č
Nitrate-Nitrite	0.111		0.100	1	12/12/2016 10:11	WG933987	7
Wet Chemistry by M	Method 365.4						Í G
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		F
Phosphorus,Total	0.126	B	0.100	1	12/12/2016 14:31	WG933505	9
Wet Chemistry by N	Method 4500I	⊃ E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

12/08/2016 15:44

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SAMPLE RESULTS - 10



	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Suspended Solids	49.3		2.50	1	12/14/2016 02:40	WG934898	
Wet Chemistry by N	Method 351.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Kjeldahl Nitrogen, TKN	0.668	B	0.250	1	12/12/2016 11:12	WG933935	
Wet Chemistry by N	Method 353.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	ND		0.100	1	12/12/2016 10:12	WG933987	
Wet Chemistry by N	Aethod 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	0.107	B	0.100	1	12/12/2016 14:32	WG933505	
Wet Chemistry by N	Method 4500	⊃ E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	

12/08/2016 15:44

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Gravimetric Analysis by Method 2540 D-2011

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3184734-1 12/14/16 00:03						
	MB Result	MB Qualifier	MB MDL	MB RDL		
Analyte	mg/l		mg/l	mg/l		
Suspended Solids	U		0.350	2.50		

L877132-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877132-01 12/14/16 0	0:03 • (DUP) R	3184734-4 12/	14/16 00:0	3		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Suspended Solids	177	177	1	0.000		5

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3184734-2 12/14/16	00:03 • (LCSD) R3184734-3 1	12/14/16 00:03							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Suspended Solids	773	800	772	103	99.9	85.0-115			3.56	5

SDG: L877154 DATE/TIME: 12/15/16 11:04

PAGE: 16 of 26

Gravimetric Analysis by Method 2540 D-2011

QUALITY CONTROL SUMMARY L877154-04,05,06,07,08,09,10

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Method Blank (MB)

(MB) R3184733-1 12/14/16	02:40			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Suspended Solids	U		0.350	2.50

L877154-04 Original Sample (OS) • Duplicate (DUP)

(OS) L877154-04 12/14/16	02:40 • (DUP) R	3184733-4 12	/14/16 02:4	40		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Suspended Solids	38.3	36.3	1	5.36	<u>J3</u>	5

L877164-01 Original Sample (OS) • Duplicate (DUP)

L877104-01 Oliginal	Sample (C	5) • Dupin		UF)			7
(OS) L877164-01 12/14/16 0	2:40 • (DUP) R	3184733-5 12/	14/16 02:4	0			GI
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits	
Analyte	mg/l	mg/l		%		%	⁸ Al
Suspended Solids	35.0	36.5	1	4.20		5	

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3184733-2 12/14/16	02:40 • (LCSD)) R3184733-3 1	2/14/16 02:40							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Suspended Solids	773	740	748	95.7	96.8	85.0-115			1.08	5

SDG: L877154

DATE/TIME: 12/15/16 11:04

Wet Chemistry by Method 351.2

QUALITY CONTROL SUMMARY L877154-01,02,03,04,05,06,07,08,09,10

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Method Blank (MB)

(MB) R3183970-5 12/12/1	6 10:44			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Kjeldahl Nitrogen, TKN	0.0730	J	0.0350	0.250

L877168-05 Original Sample (OS) • Duplicate (DUP)

(OS) L877168-05 12/12/16	11:23 • (DUP) R3	3183970-9 12/	12/16 11:25			
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Kjeldahl Nitrogen, TKN	0.705	0.720	1	2.00		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3183970-10 12/12/16	6 11:27 • (LCSD)) R3183970-11 1	2/12/16 11:28							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Kjeldahl Nitrogen, TKN	23.6	21.8	21.4	92.0	91.0	90.0-110			2.00	20

L877154-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L877154-02 12/12/16	10:58 • (MS) R3	183970-6 12/12	2/16 11:00				
	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Kjeldahl Nitrogen, TKN	5.00	0.419	4.78	87.0	1	90.0-110	<u>J6</u>

L877168-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L877168-01 12/12/16 11	:14 • (MS) R3183	3970-7 12/12/10	6 11:15 • (MSD) F	R3183970-8 12	/12/16 11:16							
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Kjeldahl Nitrogen, TKN	5.00	ND	4.63	4.62	93.0	92.0	1	90.0-110			0.000	20

ACCOUNT:	
S&ME - Huntsville	

PROJECT: 4482-16-059

SDG: L877154 DATE/TIME: 12/15/16 11:04 PAGE: 18 of 26

Wet Chemistry by Method 353.2

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3183724-1 12/09/16 1'	11:39			
	11.00			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
			0.0407	0.100

L877024-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877024-01 12/09/16	6 11:44 • (DUP) R	3183724-4 12/	/09/16 11:4	5							
Original Result DUP Result Dilution DUP RPD DUP Qualifier DUP RPD Limits											
Analyte	mg/l	mg/l		%		%					
Nitrate-Nitrite	0.162	0.141	1	14.0		20					

L877154-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877154-01 12/09/16 1	(OS) L877154-01 12/09/16 11:58 • (DUP) R3183724-6 12/09/16 11:59											
Original Result DUP Result Dilution DUP RPD DUP Qualifier DUP RPD Limits												
Analyte	mg/l	mg/l		%		%						
Nitrate-Nitrite	ND	ND	1	0.000		20						

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3183724-2 12/09/16	(LCS) R3183724-2 12/09/16 11:40 • (LCSD) R3183724-3 12/09/16 11:41											
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits		
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%		
Nitrate-Nitrite	5.00	4.89	4.99	98.0	100	90.0-110			2.00	20		

L877052-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L877052-01 12/09/16	11:47 • (MS) R31	83724-5 12/09	9/16 11:48									
Spike Amount Original Result MS Result MS Rec. Dilution Rec. Limits MS Qualifier												
Analyte	mg/l	mg/l	mg/l	%		%						
Nitrate-Nitrite	5.00	0.101	4.64	91.0	1	90.0-110						

L877211-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L877211-01 12/09/16 12	(OS) L877211-01 12/09/16 12:10 • (MS) R3183724-7 12/09/16 12:11 • (MSD) R3183724-8 12/09/16 12:12												
Spike Amount Original Result MS Result MS Rec. MSD Rec. Dilution Rec. Limits MS Qualifier MSD Qualifier RPD RPD Limits													
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%	
Nitrate-Nitrite	5.00	0.341	5.02	4.93	94.0	92.0	1	90.0-110			2.00	20	

ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
S&ME - Huntsville	4482-16-059	L877154	12/15/16 11:04	19 of 26

Wet Chemistry by Method 353.2

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3184003-1 12/12/16	6 09:44							
MB Result MB Qualifier MB MDL MB RDL								
Analyte	mg/l		mg/l	mg/l				
Nitrate-Nitrite	U		0.0197	0.100				

L876823-01 Original Sample (OS) • Duplicate (DUP)

(OS) L876823-01 12/12/16	09:48 • (DUP) F	3184003-4 12	2/12/16 09:	49							
Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD Limits											
Analyte	mg/l	mg/l		%		%					
Nitrate-Nitrite	0.168	0.142	1	17.0		20					

L877154-06 Original Sample (OS) • Duplicate (DUP)

(OS) L877154-06 12/12/16 1	ios) L877154-06 12/12/16 10:03 • (DUP) R3184003-6 12/12/16 10:04											
Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD Limits												
Analyte	mg/l	mg/l		%		%						
Nitrate-Nitrite	ND	ND	1	0.000		20						

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3184003-2 12/12/16	(LCS) R3184003-2 12/12/16 09:45 • (LCSD) R3184003-3 12/12/16 09:46												
Spike Amount LCS Result LCSD Result LCS Rec. LCSD Rec. Rec. Limits LCS Qualifier LCSD Qualifier RPD RPD Limits													
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%			
Nitrate-Nitrite	5.00	4.94	5.07	99.0	101	90.0-110			3.00	20			

L876844-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L876844-01 12/12/16	09:51 • (MS) R3	184003-5 12/12	2/16 09:52									
Spike Amount Original Result MS Result MS Rec. Dilution Rec. Limits <u>MS Qualifier</u>												
Analyte	mg/l	mg/l	mg/l	%		%						
Nitrate-Nitrite	5.00	0.526	5.29	95.0	1	90.0-110						

L877154-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L877154-10 12/12/16 10	OS) L877154-10 12/12/16 10:12 • (MS) R3184003-7 12/12/16 10:13 • (MSD) R3184003-8 12/12/16 10:14												
Spike Amount Original Result MS Result MS Result MS Rec. MSD Rec. Dilution Rec. Limits MS Qualifier MSD Qualifier RPD RPD Limits													
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%	
Nitrate-Nitrite	5.00	ND	5.25	4.90	103	96.0	1	90.0-110			7.00	20	

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S&ME - Huntsville	4482-16-059	L877154	12/15/16 11:04	20 of 26

Wet Chemistry by Method 365.4

QUALITY CONTROL SUMMARY L877154-01,02,03,04,05,06,07,08,09,10

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Method Blank (MB)

MB) R3184052-2 12/12/16 13:54									
	MB Result	MB Qualifier	MB MDL	MB RDL					
Analyte	mg/l		mg/l	mg/l					
Phosphorus,Total	0.0392	J	0.0350	0.100					

L877005-02 Original Sample (OS) • Duplicate (DUP)

(OS) L877005-02 12/12/16	OS) L877005-02 12/12/16 13:59 • (DUP) R3184052-4 12/12/16 14:00										
Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD Limits											
Analyte	mg/l	mg/l		%		%					
Phosphorus,Total	0.279	0.218	1	25.0	P1	20					

L877154-06 Original Sample (OS) • Duplicate (DUP)

(OS) L877154-06 12/12/16 1	OS) L877154-06 12/12/16 14:26 • (DUP) R3184052-8 12/12/16 14:27											
Original Result DUP Result Dilution DUP RPD DUP Qualifier DUP RPD Limits												
Analyte	mg/l	mg/l		%		%						
Phosphorus, Total	s,Total ND ND 1 0.000 20											

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3184052-3 12/12/16	(LCS) R3184052-3 12/12/16 13:55 • (LCSD) R3184052-7 12/12/16 14:24												
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits			
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%			
Phosphorus,Total	1.00	0.951	0.956	95.0	96.0	90.0-110			1.00	20			

L877154-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L877154-05 12/12/16 1	(OS) L877154-05 12/12/16 14:18 • (MS) R3184052-5 12/12/16 14:19 • (MSD) R3184052-6 12/12/16 14:23												
Spike Amount Original Result MS Result MS Result MS Rec. MSD Rec. Dilution Rec. Limits <u>MS Qualifier</u> MSD Qualifier RPD RPD Limits													
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%	
Phosphorus,Total	2.50	ND	2.27	2.25	88.0	87.0	1	90.0-110	<u>J6</u>	<u>J6</u>	1.00	20	

ACCOUNT:									
S&ME - Huntsville									

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SDG: L877154 DATE/TIME: 12/15/16 11:04 PAGE: 21 of 26

Wet Chemistry by Method 4500P E-2011

QUALITY CONTROL SUMMARY L877154-01,02,03,04,05,06,07,08,09,10

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Method Blank (MB)

(MB) R3183395-1 12/08/16 15:27										
	MB Result	MB Qualifier	MB MDL	MB RDL						
Analyte	mg/l		mg/l	mg/l						
Phosphate,Ortho	U		0.00900	0.0250						

L877116-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877116-01 12/08/16 1)S) L877116-01 12/08/16 15:36 • (DUP) R3183395-4 12/08/16 15:36										
Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD Limits											
Analyte	mg/l	mg/l		%		%					
Phosphate,Ortho	0.102	0.0990	1	3.00		20					

L877168-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877168-01 12/08/16	OS) L877168-01 12/08/16 15:44 • (DUP) R3183395-7 12/08/16 15:45										
Original Result DUP Result Dilution DUP RPD <u>DUP Qualifier</u> DUP RPD Limits											
Analyte	mg/l	mg/l		%		%					
Phosphate,Ortho	0.450	0.446	1	1.00		20					

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3183395-2 12/08/16	,LCS) R3183395-2 12/08/16 15:27 • (LCSD) R3183395-3 12/08/16 15:27												
Spike Amount LCS Result LCSD Result LCS Rec. LCSD Rec. Rec. Limits LCS Qualifier LCSD Qualifier RPD RPD Limits													
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%			
Phosphate,Ortho	0.750	0.686	0.681	91.0	91.0	85.0-115			1.00	20			

L877116-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L877116-01 12/08/16 1	,OS) L877116-01 12/08/16 15:36 • (MS) R3183395-5 12/08/16 15:38 • (MSD) R3183395-6 12/08/16 15:38												
Spike Amount Original Result MS Result MS Rec. MSD Rec. Dilution Rec. Limits MS Qualifier MSD Qualifier RPD RPD Limits													
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%	
Phosphate,Ortho	0.500	0.102	0.464	0.462	72.0	72.0	1	80.0-120	<u>J6</u>	<u>J6</u>	0.000	20	

ACCOUNT:	
S&ME - Huntsville	

PROJECT: 4482-16-059

SDG: L877154 DATE/TIME: 12/15/16 11:04

PAGE: 22 of 26

GLOSSARY OF TERMS

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Abbreviations and I	Definitions
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SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Rec.	Recovery.

Qualifier	Description
В	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
Je	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.** * Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
lowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee 14	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ². Underground Storage Tanks ³. Aquatic Toxicity ⁴. Chemical/Microbiological ⁵. Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



ACCOUNT:	PROJECT:	SDG:	DATE/TIME:
S&ME - Huntsville	4482-16-059	L877154	12/15/16 11:04

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Cooler Receipt Form SDG# QOREHAL Chest: Temperature Upon Receipt: Cooler Received/Opened On: 12/ \$ /2016 Received By: Timiesha Spott Signature NO N/A Yes **Receipt Check List** 1 Were custody seals on outside of cooler and intact? 1 Were custody papers properly filled out? 1 Did all bottles arrive in good condition? Were correct bottles used for the analyses requested? Was sufficient amount of sample sent in each bottle? Were all applicable sample containers correctly preserved and checked for preservation? (Any not in accepted range noted on COC) If applicable, was an observable VOA headspace present? Non Conformance Generated. (If yes see attached NCF)

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	S&ME - Huntsville 360 D Quality CIrcle NW Sulte 450 HuntsvIlle, AL 35806	Report to: Mr. Travis Overton	Project Description:	Phone: 256-837-8882 Cl Fax: 256-837-6931 4	Collected by Iprint:	Collected by (signature):	Immediately	Sample ID C	SMEL						Matrix: 55 - Soil GW - Groundwater WV ernarks:		Relinquished by : [Signature]	Relinquished by ilSig	Relinquished by ?(Sig re

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	S&ME - Huntsville	360 D Quality Circle NW Suite 450 Huntsvijle, AL 35806	Report to: Mr. Travis Overton	Project Description. And Ad	Phone 256-837-8882 Fax: 256-837-6931	Collected by Ipri t	Collected by Ig ature	Immediately P	Sample ID 🐥	, K-I S	.17	(C)	5512	SSIL	101-102	* 20 M M 10 02	7 VC	670	(CIS	Matrix: SS - Soil GW - Groundwater		Relinquished by : [Signature]		Relinquished by 3 (The tu	Relinquished by . [Signature

ative Chain of Custody Pae of		12055 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-8858	From: 615-753-5859		Acct um: OOREHAL	ちょうしょう Iemplate: I.1.4339	TSR: 034 - Craig Cothron	Shipped Via: FedEX Ground Nig H1 Rem./Contaminant Sample # (tab only)	999 9110 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Date Meig DV : MDRAN CVD DV : CVD DV : CVD CVD CVD CVD CVD CVD CVD CVD CVD CVD	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	AS -852 5602: 874-	: И (е12) селер Кенчс	0e1 e : 10e1 : 00 : 00	tano Phono 1 te2					Hoe #	JPS Condition (!ab use only)		Received: COC Sea ntact. Y N NA	pre-ed NCF
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	S&ME - Huntsville 360 D Quality Circle NW Suite 450 Huntsville, AL 35806	Report to: Mr. Travis Overton	Project Description: C	Phone: 256-837-8882 Fax: 256-837-6931	Collected by [print]:	Collected by (signature):	Immediately Packed on Ice N	Sample ID	RGI4	5.	SEI	609	607	(05	245	NFZ	183	SEE	Matrix: SS Soil GW Groundwater Remarks:		Relinquished by Signature)	J. Ward	Relin d : atūre)	Relinquished by . (Signature

Monitoring Report First Quarter 2017 Gadsden Alabama Urbanized Area Phase II Small MS4 NPDES General Permit ALR040009 Gadsden, Etowah County, Alabama S&ME Project No. 4482-16-056



Prepared for: Gadsden-Etowah MS4 Steering Committee

> Prepared by: S&ME, Inc. 360D Quality Circle, NW Suite 450 Huntsville, AL 35806

> > May 30, 2017



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Laboratory Report No. L893513, dated March 13, 2017



1.0 Introduction

S&ME, Inc. has prepared this Monitoring Report for the *Gadsden, Alabama Urbanized Area* Phase II small MS4 in accordance with S&ME Proposal No. 44-1600328, dated July 22, 2016. Authorization date and responsible official for each entity are provided in Table 1.1.

Name	Entity	Date
Wally Burns, Mayor	City of Southside	February 15, 2017
Tim Graves, County Engineer	Etowah County	January 24, 2017
Sherman Guyton, Mayor	City of Gadsden	November 16, 2016
Jason Nicholson, City Engineer	City of Attalla	November 4, 2016
Jeff Cheatwood, Mayor	City of Hokes Bluff	October 11, 2016
Charles Gilchrist, Mayor	City of Glencoe	January 9, 2017
Terry John Calhoun, Mayor	City of Rainbow City	October 11, 2016

Table 1-1 Responsible Official and Authorization Dates

1.1 NPDES Permit

The Storm Water Phase II Final Rule issued by the United States Environmental Protection Agency (USEPA) in 1999 requires nationwide coverage of all operators of small MS4s located within the boundaries of an "urbanized area" as defined by the latest decennial Census. Based on the results of the 2010 census, the Bureau of the Census designated The City of Gadsden, Rainbow City, City of Southside, City of Glencoe, City of Hokes Bluff, City of Attalla, and portions of unincorporated Etowah County as the *Gadsden, Alabama Urbanized Area*. A map outlining the approximate boundary of the *Gadsden, Alabama Urbanized Area* is included as **Figure 1** in **Appendix A**. The regulated small municipal separate storm sewer system (MS4) for the urbanized area is collectively referred to as the Gadsden-Etowah MS4.

In 2016, the Alabama Department of Environmental Management (ADEM) issued National Pollutant Discharge Elimination System (NPDES) General Permit ALR040000 for discharges from regulated small municipal separate storm sewer systems to the Gadsden-Etowah MS4 with an effective date of October 1, 2016. Permit numbers for each entity are provided in Table. 1.2.



Entity	ADEM Permit Number
City of Attalla	ALR0400052
City of Gadsden	ALR0400053
City of Glencoe	ALR0400054
City of Hokes Bluff	ALR0400055
City of Rainbow City	ALR0400056
City of Southside	ALR0400057
Etowah County	ALR0400009

Table 1-2: Permit Numbers for MS4 Entities

1.2 Water Quality Concerns

Section 303(d) of the Clean Water Act (CWA), as amended by the Water Quality Act of 1987, and EPA's Water Quality Planning and Management Regulations (40CFR130) require states to identify waterbodies not in compliance with the water quality standards applicable to their designated use classifications. Section 303(d) then requires that total maximum daily loads (TMDLs) be determined for all pollutants causing violation of applicable water quality standards in each identified segment.

Neely Henry Lake is the primary receiving water for the Gadsden-Etowah MS4. In 1996, the ADEM identified five of the six reservoirs on the Coosa River within the State of Alabama's borders as being impaired, including Neely Henry Lake. In 2008 the EPA approved TMDLs for Neely Henry Lake related to Nutrients (Total Phosphorous), pH, and Dissolved Oxygen. The Gadsden-Etowah MS4 is required to achieve a 30% reduction in Total Phosphorus loading.

1.3 Monitoring Program

Part III.B of the NPDES General Permit requires that the Permittee develop and implement a Storm Water Management Program Plan (SWMPP). Part IV.D of the NPDES General Permit requires that the SWMPP include monitoring provisions to document that the waste load allocations prescribed in the TMDL are being achieved.

Section 2 of the SWMPP, dated January 1, 2017, provides the specific details of the monitoring program. The intent of the monitoring program is to document that discharges from the MS4 meet the permit requirements. Where deviations are documented and/or expected, the collected monitoring data will be used to determine the extent and cause of the pollutant of concern.

2.0 Rainfall Data

The Gadsden-Etowah MS4 is required to achieve a 30% reduction in Total Phosphorus discharge loading. The largest loading of phosphorous to the Coosa River from the Gadsden-Etowah MS4 is expected to occur during runoff events; therefore, the SWMPP requires that monitoring be conducted within 72 hours of a qualifying rain event of 0.75 inch.



On February 27th and March 1st a rain event was observed at three of the four weather stations located in the vicinity of the urbanized area. The locations of the weather stations are identified on **Figure 2** in **Appendix A**.

GAUGE NAME	LOCATION	LAT.	LONG.	PRECIP 2/27	PRECIP 3/01
MD5866*	Rainbow City, AL	33.922°	-86.099°	N/A	N/A
KGAD	Gadsden Municipal Airport	33.973°	-86.088°	0.30 in.	0.13 in.
KALHOKES2	Hokes Bluff Hokes Bluff, AL	33.993°	-85.806°	0.42 in.	0.31 in.
KALGADSD3	Noccalula Falls Gadsden, Al	34.056°	-85.994°	0.53 in.	0.14 in.

Table 2-1 February 27 and March 1, 2017 Rainfall Data

*No information was available for this weather station for the February 27 and March 1, 2017 rain event.

3.0 Monitoring Event

On March 2, 2017, S&ME personnel mobilized to conduct storm water monitoring for the first quarter of 2017. The quarterly monitoring event was carried out in accordance with Section 2 of the Gadsden-Etowah MS4 Storm Water Management Program (SWMPP), dated January 1, 2017.

3.1 Monitoring Locations

The primary monitoring locations selected for determining compliance of the Gadsden-Etowah MS4 with the 2008 phosphorous TMDL are identified on **Figure 2** in **Appendix A**. Coordinates for each point are listed in Table 3-1.

OUTFALL ID	LATITUDE	LONGITUDE	ACCESS	WATERBODY EVALUATED
AT 5	34.006446°	-86.069061°	LAND	Big Wills Creek / Little Wills Creek
GD 8	33.999535°	-86.024463°	LAND	Black Creek
RC 2	33.967683°	-86.039476°	LAND	Horton Creek
SS 13	33.891352°	-86.049229°	LAND	Neely Henry Lake
SS 14	33.885921°	-86.030683°	LAND	U.T. to Neely Henry Lake
GD 12	33.952567°	-86.003495°	LAND	U.T. to Neely Henry Lake
CO 14	33.940904°	-85.967704°	LAND	U.T. to Neely Henry Lake
SME 2	34.002461°	-86.001571°	LAND	U.T. to Coosa River
GD 6	34.015350°	-85.995617°	LAND	Town Creek
CO 15	33.972280°	-85.965354°	LAND	U.T. to Neely Henry Lake

Table 3-1 Monitoring Point Coordinates



S&ME Project No. 4482-16-056

OUTFALL ID	LATITUDE	LONGITUDE	ACCESS	WATERBODY EVALUATED
RC 14	33.905786°	-86.111656°	BOAT	Rook Creek / Dry Creek
SS 5	33.941329°	-86.021569°	BOAT	U.T. to Coosa River
SME 1	33.990184°	-86.004048°	BOAT	Big Wills Creek / Black Creek
GD 9	33.989718°	-85.998472°	BOAT	U.T. to Coosa River (East Gadsden)
GD 7	34.008361°	-85.999777°	BOAT	Storm sewer outfall to Coosa River
GD 5	34.014324°	-85.924013°	BOAT	Big Cove Creek / Little Cove Creek
GD 3	34.012380°	-85.953651°	BOAT	U.T. to Neely Henry Lake
SME 3	34.009698°	-85.956230°	BOAT	Coal Creek
HB 3	34.002129°	-85.882808°	BOAT	U.T. to Neely Henry Lake

3.2 Sampling Procedures

Samples collected on land were obtained using a stainless steel 1-quart bucket attached to a 30-foot telescoping fiberglass pole. S&ME personnel extended the pole to mid-channel at each location and collected a sample at mid-depth or two (2) feet below the water surface, whichever was shallower. The sample was then poured into a 6-quart stainless steel bucket. Four to five quarts were collected and mixed in the 6-quart bucket prior to analysis. The stainless steel buckets were decontaminated prior to use and between samples.

Samples collected from the boat were obtained using a horizontal Van Dorn sampler. S&ME personnel inserted the sampler into the water upstream of the boat, lowered it to a depth of five (5) feet below the water surface then triggered the seals. The collected sample was discharged from a valve in the sampler. Duplicate samples were obtained using the Van Dorn sampler to collect two 2-liter samples, then mixing them in a 6-quart stainless steel bucket. The Van Dorn sampler was decontaminated prior to use and in between samples.

3.3 Field Documentation

The following observations were documented in the field at each monitoring location:

- Monitoring point ID
- Date and time
- Person conducting the sampling
- Equipment used
- Depth of sample collection
- Weather conditions
- Waterbody conditions

The following parameters were measured in the field at the time of sample collection:

- Turbidity
- pH
- Dissolved Oxygen (DO)
- Temperature



Field parameters were measured using a combination of the following instruments:

- LaMotte 2020 Turbidimeter
- Hach 2100Q Turbidimeter
- YSI 556 Multi-Probe Meter
- YSI Pro DSS Multi-Probe Meter

The recorded field observations are included on **Table B.1** in **Appendix B**. The recorded field parameters are included on **Table B.2** in **Appendix B**.

3.4 Quality Assurance / Quality Control

The following handling procedures were employed in general accordance with EPA and ADEM guidance to safeguard the quality of the collected samples.

3.4.1 Sample Containers and Preservation

All samples were collected in new laboratory-provided containers containing analyte-appropriate preservatives as listed below:

PARAMETER	CONTAINER	PRESERVATIVE	HOLD TIME
Total Suspended Solids (TSS)	HDPE - 1 L	NONE	7 days
Total Phosphorous	HDPE - 250 mL	H ₂ SO ₄	48 hours
Orthophosphate	HDPE - 250 mL	NONE	48 hours
Nitrate-Nitrite	HDPE - 250 mL	H ₂ SO ₄	28 days
Total Kjeldahl Nitrogen (TKN)	HDPE - 250 mL	H ₂ SO ₄	28 days

Table 3-2 Sample Containers and Preservation

Prior to filling, sample containers were labeled with the following information in waterproof ink:

- Project number
- Sample location
- Collection date and time
- Preservative
- Analysis to be performed

3.4.2 *Quality Assurance*

Two duplicate samples were submitted to the laboratory. One duplicate sample of monitoring point AT 5 was collected by the land team during the sampling event and labeled as SME 4. One duplicate sample of monitoring point HB 3 was collected by the boat team during the sampling event and labeled as SME 5.



3.4.3 Sample Shipment

After filling, the sample containers were sealed and immediately placed on ice in a protective container for shipment to the analytical laboratory. A Chain of Custody form was completed and accompanied the samples from the field to the laboratory. A copy of the Chain of Custody is included in **Appendix C**.

4.0 Analytical Results

The laboratory analytical results for the March 2, 2017 quarterly monitoring event are included on **Table B.2** provided in **Appendix B**. The laboratory reports and Chain of Custody are included in **Appendix C**.

5.0 Recordkeeping

Each quarterly monitoring report will be incorporated into the Annual Update of the Storm Water Management Plan. Monitoring reports will be retained by each municipality for a minimum of 3 years.

The Storm Water Steering Committee is responsible for the coordination and implementation of the Storm Water Management Plan. Current membership of the Storm Water Steering Committee is as follows:

ENTITY	CONTACT	PHONE NO.	EMAIL
City of Gadsden	Jeramy Ward	256-549-4527	jward@cityofgadsden.com
City of Gadsden	Heath Williamson	256-549-4520	hwilliamson@cityofgadsden.com
City of Attalla	Jason Nicholson	256-441-9200	jason.attalla@gmail.com
City of Rainbow City	Kevin Ashley	256-413-1240	kashley@rbcalabama.com
City of Southside	Jimmy Whittemore	256-442-9775 Ext. 103	jwhittemore@cityofsouthside.com
City of Glencoe	Charles Gilchrist	256-492-1424	mayor@cityofglencoe.net
City of Glencoe	Brian Bramblett	256-492-1424	bbramblett@cityofglencoe.net
City of Hokes Bluff	Lisa Johnson	256-492-2414	hbcity@cityofhokesbluff.net
Etowah County	Tim Graves	256-549-5358	tgraves@etowahcounty.org
Etowah County	Robert Nail	256-549-5358	rnail@etowahcounty.org

Table 5-0 Storm Water Steering Committee

One copy of this Monitoring Report has been provided to each member of the Storm Water Steering Committee.

6.0 Certification of the Monitoring Report

I certify under penalty of law that this document and all attachments were prepared under my directions or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is,



to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine or imprisonment for knowing violations.

Signature of Responsible Official

Print Name and Title

Date

MS4 Entity

7.0 Acknowledgement

S&ME, Inc. certifies that the information provided in this monitoring report reflects the conditions reported, encountered, and discovered at the time of report preparation. When performing this scope of services, S&ME, Inc., observed the degree of care and skill generally exercised by other consultants undertaking similar studies at the same time, under similar circumstances and conditions, and in the same geographic area.

S&ME sincerely appreciates the opportunity to provide watershed monitoring services for the Gadsden-Etowah MS4. Should questions remain or if additional information is required, please do not hesitate to contact the undersigned.

S&ME, Inc.

Emily J. Kennedy

Staff Professional

tones

Deborah J. Jones, P.E. Senior Engineer

Churcha C. Lyons

Christa C. Lyons Project Manager



Appendix A

Figure 1 – Gadsden, Alabama Urbanized Area

Figure 2 – MS4 Monitoring Locations Map







Appendix B

Table B.1 – Field Observations

Table B.2 – Analytical Data

Tables B.3 to B.21 – Historical Analytical Data

TABLE B.1 - FIELD OBSERVATIONS

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	TIME	DEPTH (FT)	PERSONNEL	WEATHER CONDITIONS	WATERBODY CONDITIONS
AT 5	3/2/2017	0927	-3'	EJK/LJP	Sunny	Smooth, fast flow
GD 8	3/2/2017	0945	-3'	EJK/LJP	Sunny	Smooth, fast flow
RC 2	3/2/2017	1000	-3'	EJK/LJP	Sunny	Smooth, moderate flow
SS 13	3/2/2017	1017	-3'	EJK/LJP	Sunny	Smooth, slow flow
SS 14	3/2/2017	1027	-3'	EJK/LJP	Sunny	Smooth, fast flow
GD 12	3/2/2017	1046	-3'	EJK/LJP	Sunny	Smooth, slow flow
CO 14	3/2/2017	1057	-1'	EJK/LJP	Sunny	Smooth, fast flow
SME 2	3/2/2017	1246	-3'	EJK/LJP	Sunny	Smooth, fast flow
GD 6	3/2/2017	1258	-3'	EJK/LJP	Sunny	Smooth, fast flow
CO 15	3/2/2017	1320	-1'	EJK/LJP	Sunny	Smooth, slow flow
RC 14	3/2/2017	0930	-5'	JJW/TLO	Partly Cloudy	Rough
SS 5	3/2/2017	1020	-5'	JJW/TLO	Partly Cloudy	Rough
SME 1	3/2/2017	1050	-5'	JJW/TLO	Partly Cloudy	Rough
GD 9	3/2/2017	1100	-5'	JJW/TLO	Partly Cloudy	Rough
GD 7	3/2/2017	1110	-5'	JJW/TLO	Partly Cloudy	Rough
GD 5	3/2/2017	1340	-5'	JJW/TLO	Partly Cloudy	Rough
GD 3	3/2/2017	1400	-5'	JJW/TLO	Partly Cloudy	Rough
SME 3	3/2/2017	1410	-5'	JJW/TLO	Partly Cloudy	Rough
HB 3	3/2/2017	1315	-5'	JJW/TLO	Partly Cloudy	Rough
TABLE B.2 - ANALYTICAL DATA

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS			LA	BORATORY ANALYS	TOTAL P TKN			
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)		
AT 5	3/2/2017	50.8	8.14	8.86	13.4	1.08	0.267	0.37	0.53	44.6		
GD 8	3/2/2017	19.7	8.14	9.76	12.2	0.28	<0.025	<0.10	0.34	3.6		
RC 2	3/2/2017	25.3	7.71	7.74	13.1	0.17	<0.025	<0.10	0.45	8.0		
SS 13	3/2/2017	12.0	6.64	7.19	13.4	0.25	<0.025	<0.10	0.75	4.6		
SS 14	3/2/2017	12.6	7.60	8.76	12.2	0.48	0.092	0.15	0.84	9.2		
GD 12	3/2/2017	15.4	7.79	10.12	11.7	0.22	<0.025	0.12	0.58	6.1		
CO 14	3/2/2017	18.8	6.34	8.58	13.6	0.11	<0.025	<0.10	0.60	5.2		
SME 2	3/2/2017	11.8	8.03	8.55	15.2	0.27	<0.025	<0.10	0.72	11.4		
GD 6	3/2/2017	14.3	8.05	8.02	14.7	0.25	<0.025	<0.10	0.51	9.0		
CO 15	3/2/2017	38.2	7.77	8.32	16.0	0.15	<0.025	<0.10	0.52	17.4		
SME 4	3/2/2017		DUPLICAT	E OF AT5		1.06	0.210	0.30	0.45	46.0		
RC 14	3/2/2017	18.0	7.32	3.55	12.69	0.12	<0.025	<0.10	0.61	14.6		
SS 5	3/2/2017	14.0	7.78	3.92	12.77	0.33	<0.025	<0.10	0.77	16.0		
SME 1	3/2/2017	14.0	7.75	4.31	12.34	0.67	0.127	0.21	0.35	15.0		
GD 9	3/2/2017	10.7	7.70	4.26	13.60	0.27	<0.025	<0.10	0.67	11.2		
GD 7	3/2/2017	10.8	7.80	4.57	13.35	0.36	<0.025	<0.10	0.51	14.4		
GD 5	3/2/2017	12.3	7.81	4.49	14.26	0.12	<0.025	<0.10	0.49	13.0		
GD 3	3/2/2017	14.0	8.21	5.01	14.35	0.24	<0.025	0.14	0.65	15.6		
SME 3	3/2/2017	14.6	7.95	4.60	13.64	0.27	<0.025	<0.10	0.73	17.0		
HB 3	3/2/2017	50.0	7.75	3.90	14.33	0.33	<0.025	0.12	0.97	57.1		
SME 5	3/2/2017		DUPLICAT	E OF HB 3		0.45	<0.025	0.13	1.09	58.0		

NTU - Nephelometric Turbidity Units

Bold - maximum reading for constituent

NA - not availabe at this time

mg/L - milligrams per liter NS - Not Sampled (Dry)

* - unknown reading due to equipment malfuction

TABLE B.3 - ANALYTICAL DATA - AT 5

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	RAMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
AT 5	3/12/2013	15	7.80	11.04	12.55	0.61	0.150	0.14	0.37	20.0
AT 5	5/8/2013	25	5.08	2.59	14.69	0.31	0.099	0.11	0.56	19.0
AT 5	9/23/2013	21	5.96	3.95	22.88	1.30	0.400	0.35	0.37	22.0
AT 5	12/10/2013	68	5.32	11.43	8.21	0.79	0.290	0.34	0.97	64.0
AT 5	2/6/2014	40	4.06	15.29	7.28	0.80	0.130	0.13	0.35	32.0
AT 5	6/26/2014	70	7.85	7.61	23.89	0.77	0.340	0.28	0.38	19.0
AT 5	9/30/2014	15	5.78	6.63	21.03	0.94	0.490	0.54	<0.25	14.0
AT 5	11/19/2014	47	5.08	10.23	6.91	1.30	0.410	0.39	0.50	27.0
AT 5	3/23/2015	17	8.69	9.39	14.50	0.71	0.130	0.14	0.27	15.0
AT5	4/22/2015	53	6.93	11.13	18.40	0.69	0.110	0.13	<0.25	76.0
AT5	9/30/2015	15	6.37	9.45	21.63	1.82	0.664	0.86	<0.25	16.4
AT5	11/19/2015	934	7.38	19.33	14.98	0.67	0.261	0.31	1.47	74.6
AT 5	3/15/2016	30	7.93	20.43	16.86	0.58	0.068	<0.10	0.77	26.7
AT 5	6/29/2016	18	7.99	6.57	25.40	0.80	0.598	0.71	<0.25	14.5
AT 5	8/9/2016	17	7.89	6.47	25.80	0.98	0.482	0.50	0.27	18.3
AT 5	12/7/2016	26.5	7.08	10.19	11.3	0.66	0.450	0.47	<0.25	16.9

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.4 - ANALYTICAL DATA - GD 8

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	LABORATORY ANALYSIS			
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)	
GD 8	3/12/2013	7	7.65	11.73	9.85	0.13	<0.025	<0.10	0.25	4.5	
GD 8	5/8/2013	19	6.71	1.72	14.47	0.11	<0.025	<0.10	0.38	19.0	
GD 8	9/23/2013	18	6.22	3.98	22.74	<0.10	<0.025	<0.10	0.41	9.6	
GD 8	12/10/2013	31	6.04	13.33	8.10	0.28	0.040	<0.10	0.35	32.0	
GD 8	2/6/2014	16	3.87	16.32	6.48	0.25	<0.025	<0.10	0.13	13.0	
GD 8	6/26/2014	31	8.19	6.64	26.15	0.25	<0.025	<0.10	0.48	7.3	
GD 8	9/30/2014	12	7.32	5.06	23.19	0.14	<0.025	<0.10	0.42	6.0	
GD 8	11/19/2014	25	5.16	9.01	5.87	0.23	<0.025	<0.01	0.32	13.0	
GD 8	3/23/2015	11	8.67	9.76	14.8	0.22	<0.025	<0.10	<0.25	4.8	
GD 8	4/22/2015	20	7.40	11.71	17.70	0.16	<0.025	<0.10	<0.25	15.0	
GD 8	9/30/2015	9	7.79	9.48	24.33	0.18	<0.025	<0.10	0.48	6.8	
GD 8	11/19/2015	212	6.94	23.30	15.13	0.23	<0.025	0.10	0.85	79.6	
GD 8	3/15/2016	11	7.88	16.81	16.98	0.13	<0.025	<0.10	0.47	8.3	
GD 8	6/29/2016	33	8.50	6.60	29.30	<0.10	<0.025	<0.10	0.45	39.8	
GD 8	8/9/2016	13	8.90	5.87	28.90	0.22	<0.025	<0.10	0.67	6.3	
GD 8	12/7/2016	10.1	7.75	8.84	12.1	0.31	<0.025	<0.10	0.41	7.0	

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.5 - ANALYTICAL DATA - RC 2

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
RC 2	3/12/2013	29	7.73	9.83	10.53	0.12	0.088	<0.10	0.75	14.0
RC 2	5/8/2013	19	6.16	3.06	16.36	0.19	<0.025	<0.10	0.55	12.0
RC 2	9/23/2013	11	6.24	3.00	23.61	<0.10	<0.025	<0.10	0.43	6.3
RC 2	12/10/2013	34	6.07	11.71	8.38	0.11	0.062	<0.10	0.54	10.0
RC 2	2/6/2014	30	3.89	17.28	5.62	0.26	<0.025	<0.10	0.43	9.6
RC 2	6/26/2014	18	7.90	6.81	24.81	0.15	<0.025	<0.10	0.44	7.2
RC 2	9/30/2014	3	7.27	5.55	22.25	<0.10	<0.025	<0.10	0.40	2.5
RC 2	11/19/2014	27	5.65	7.14	5.72	0.17	<0.025	<0.10	0.43	11.0
RC 2	3/23/2015	45	8.23	9.07	16.00	0.15	0.044	<0.10	0.81	18.0
RC 2	4/22/2015	14	7.64	11.42	18.40	0.26	<0.025	<0.10	<0.25	4.8
RC 2	9/30/2015	7	5.93	9.28	23.33	<0.10	<0.025	<0.10	<0.25	4.6
RC 2	11/19/2015	114	7.36	21.94	15.29	0.27	<0.025	0.13	0.75	14.4
RC 2	3/15/2016	15	7.62	16.67	14.61	0.18	<0.025	<0.10	0.43	6.0
RC 2	6/29/2016	12	7.78	4.31	28.30	<0.10	0.077	<0.10	0.35	10.9
RC 2	8/9/2016	25	8.12	5.05	26.50	0.14	<0.025	<0.10	0.45	9.9
RC 2	12/7/2016	17.2	7.86	7.47	12.0	0.20	<0.025	<0.10	0.53	11.9

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.6 - ANALYTICAL DATA - SS 13

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

		FIELD PARAMETERS				LA	BORATORY ANALYS	SIS		
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
SS 13	3/12/2013	8	7.04	9.85	11.45	0.34	0.032	<0.10	0.78	4.7
SS 13	5/8/2013	10	6.68	2.94	18.75	0.36	<0.050	<0.10	0.72	5.7
SS 13	9/23/2013	12	7.04	3.38	25.31	<0.10	0.028	<0.10	0.84	9.6
SS 13	12/10/2013	12	6.14	10.93	8.99	0.33	0.077	0.12	0.67	5.6
SS 13	2/6/2014	7	4.26	17.50	5.14	0.42	<0.025	<0.10	0.44	4.1
SS 13	6/26/2014	23	8.33	8.09	28.44	<0.10	<0.025	0.12	0.52	5.4
SS 13	9/30/2014	12	7.41	4.26	24.77	<0.10	<0.025	<0.10	0.44	12.0
SS 13	11/19/2014	13	6.31	6.08	6.44	0.22	0.044	<0.10	0.40	4.8
SS 13	3/23/2015	16	7.33	8.57	15.40	0.22	0.029	<0.10	0.71	7.6
SS 13	4/22/2015	15	6.60	8.93	20.80	0.32	<0.025	<0.10	0.67	10.0
SS 13	9/30/2015	9	7.33	11.54	25.95	<0.10	<0.025	<0.10	0.52	9.0
SS 13	11/19/2015	36	7.07	18.48	15.31	0.24	<0.025	0.18	0.97	4.8
SS 13	3/15/2016	9	6.61	12.42	17.37	0.32	<0.025	<0.10	<0.25	4.7
SS 13	6/29/2016	10	7.86	6.15	30.60	<0.10	<0.025	<0.10	0.53	9.8
SS 13	8/9/2016	20	7.77	5.92	29.10	<0.10	<0.025	<0.10	0.73	24.0
SS 13	12/7/2016	4.8	7.39	6.97	12.5	0.11	<0.025	<0.10	0.45	3.6

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.7 - ANALYTICAL DATA - SS 14

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS			LA	BORATORY ANALYS	ATORY ANALYSIS			
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)		
SS 14	3/12/2013	10	7.40	11.23	10.93	0.40	0.087	0.11	0.77	4.7		
SS 14	5/8/2013	10	6.47	2.75	16.42	0.45	0.041	<0.10	0.53	5.0		
SS 14	9/23/2013	3	6.76	6.49	21.77	0.38	0.036	<0.10	0.45	<2.5		
SS 14	12/10/2013	18	5.63	11.33	8.56	0.28	0.160	0.19	0.66	9.2		
SS 14	2/6/2014	12	4.19	17.56	5.16	0.62	0.074	<0.10	0.50	14.0		
SS 14	6/26/2014	8	8.18	7.58	24.14	0.67	0.080	0.16	0.89	<2.5		
SS 14	9/30/2014	8	7.42	3.67	22.35	<0.10	0.031	<0.10	0.52	6.1		
SS 14	11/19/2014	16	6.27	7.50	5.48	0.75	0.075	0.22	0.46	9.2		
SS 14	3/23/2015	21	7.75	9.53	16.50	0.27	0.110	0.14	1.10	11.0		
SS 14	4/22/2015	12	7.43	12.29	17.50	0.62	<0.025	<0.10	0.58	6.3		
SS 14	9/30/2015	7	7.16	12.79	24.02	<0.10	0.088	0.18	0.51	6.6		
SS 14	11/19/2015	27	6.49	20.71	15.16	0.44	0.131	0.18	1.00	23.3		
SS 14	3/15/2016	11	7.18	12.11	16.01	0.50	0.056	<0.10	0.83	8.1		
SS 14	6/29/2016	6	7.62	3.61	27.20	<0.10	0.103	0.16	0.65	6.0		
SS 14	8/9/2016	22	7.71	5.99	26.90	0.16	0.062	0.12	0.87	12.7		
SS 14	12/7/2016	7.6	7.27	7.72	11.9	0.89	0.078	0.15	0.71	<2.5		

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.8 - ANALYTICAL DATA - GD 12

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 12	3/12/2013	9	7.41	10.93	13.43	0.25	0.030	<0.10	0.54	3.9
GD 12	5/8/2013	15	6.73	2.35	16.53	0.21	0.030	<0.10	0.40	7.5
GD 12	9/23/2013	10	6.76	3.94	26.07	<0.10	0.026	<0.10	0.48	9.0
GD 12	12/10/2013	19	6.15	10.09	10.18	0.22	0.079	0.11	0.45	5.9
GD 12	2/6/2014	12	4.17	16.99	5.76	0.31	<0.025	<0.10	0.28	3.9
GD 12	6/26/2014	29	8.38	9.40	26.72	0.11	0.035	0.12	0.62	32.0
GD 12	9/30/2014	11	7.68	5.77	24.68	<0.10	<0.025	<0.10	0.39	11.0
GD 12	11/19/2014	15	6.95	5.93	5.85	0.28	<0.025	0.13	0.39	6.6
GD 12	3/23/2015	18	7.80	9.56	16.80	0.24	<0.025	<0.10	0.59	8.1
GD 12	4/22/2015	17	7.45	11.04	19.80	0.25	<0.025	<0.10	0.43	14.0
GD 12	9/30/2015	7	7.30	11.07	24.67	<0.10	<0.025	<0.10	0.70	8.5
GD 12	11/19/2015	23	7.07	19.14	14.68	0.28	0.100	0.15	0.77	12.0
GD 12	3/15/2016	10	7.43	13.14	16.05	0.25	0.032	<0.10	0.43	4.6
GD 12	6/29/2016	13	8.22	7.68	31.20	<0.10	0.036	<0.10	0.38	12.0
GD 12	8/9/2016	22	7.57	4.39	27.60	<0.10	<0.025	<0.10	0.63	13.3
GD 12	12/7/2016	10.3	7.18	6.65	11.4	0.14	<0.025	<0.10	0.60	4.0

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.9 - ANALYTICAL DATA - CO 14

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
CO 14	3/12/2013	8	6.88	9.65	12.92	0.32	<0.025	<0.10	0.42	3.5
CO 14	5/8/2013	13	6.61	3.02	16.37	0.34	<0.12	<0.10	0.74	6.7
CO 14	9/23/2013	15	6.70	3.78	22.58	<0.10	0.036	<0.10	0.30	9.6
CO 14	12/10/2013	14	5.82	11.15	9.37	0.11	0.027	<0.10	0.55	9.7
CO 14	2/6/2014	14	4.02	16.69	5.08	0.58	<0.025	<0.10	0.41	9.1
CO 14	6/26/2014	20	8.25	8.19	22.33	0.34	<0.025	<0.10	0.86	9.0
CO 14	9/30/2014	*	*	*	*	*	*	*	*	*
CO 14	11/19/2014	9.84	6.70	3.86	7.90	<0.10	<0.025	<0.10	0.26	2.8
CO 14	3/23/2015	19	6.85	8.78	17.20	0.25	<0.025	<0.10	0.67	10.0
CO 14	4/22/2015	14	6.23	11.19	18.00	0.49	<0.025	<0.10	0.60	8.6
CO 14	9/30/2015	*	*	*	*	*	*	*	*	*
CO 14	11/19/2015	24	6.64	16.06	15.25	<0.10	<0.025	<0.10	1.27	5.9
CO 14	3/15/2016	16	6.33	13.05	16.42	0.47	<0.025	<0.10	0.71	9.7
CO 14	6/29/2016	*	*	*	*	*	*	*	*	*
CO 14	8/9/2016	*	*	*	*	*	*	*	*	*
CO 14	12/7/2016	*	*	*	*	*	*	*	*	*

NTU - Nephelometric Turbidity Units

* - outfall was dry

mg/L - milligrams per liter

TABLE B.10 - ANALYTICAL DATA - SME 2

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	RAMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
SME 2	3/12/2013	6	7.12	9.28	14.17	0.28	0.032	<0.10	0.47	8.1
SME 2	5/8/2013	26	7.67	6.46	21.40	0.24	0.042	<0.10	0.92	21.0
SME 2	9/23/2013	7	6.92	5.51	26.24	<0.10	0.039	<0.10	0.34	7.1
SME 2	12/10/2013	12	5.71	11.05	11.01	0.31	0.100	0.15	0.42	7.0
SME 2	2/6/2014	20	4.21	14.38	6.13	0.39	0.053	<0.10	0.59	14.0
SME 2	6/26/2014	15	8.16	7.22	26.98	0.11	<0.025	<0.10	0.38	8.7
SME 2	9/30/2014	6	7.97	5.33	26.53	<0.10	<0.025	<0.10	0.52	7.4
SME 2	11/19/2014	10	7.06	3.53	10.20	0.14	0.039	0.16	<0.25	6.8
SME 2	3/23/2015	11	7.96	9.34	17.60	0.24	<0.025	<0.10	0.45	10.0
SME 2	4/22/2015	9	7.93	11.46	24.50	0.13	<0.025	<0.10	0.48	9.1
SME 2	9/30/2015	7	7.62	12.67	25.91	0.10	<0.025	0.10	0.50	8.7
SME 2	11/19/2015	22	6.55	14.30	19.12	0.22	0.062	0.22	1.21	82.3
SME 2	3/15/2016	8	7.86	13.43	20.73	<0.10	<0.025	<0.10	0.49	6.3
SME 2	6/29/2016	8	8.23	7.24	30.40	0.19	<0.025	<0.10	0.29	8.0
SME 2	8/9/2016	10	8.01	6.58	30.60	<0.10	<0.025	<0.10	0.59	8.2
SME 2	12/7/2016	6.0	7.52	6.86	12.7	<0.10	<0.025	0.10	0.47	5.8

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.11 - ANALYTICAL DATA - GD 6

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	LABORATORY ANALYSIS		
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 6	3/12/2013	10	8.03	9.65	11.90	0.21	0.036	<0.10	0.29	5.8
GD 6	5/8/2013	19	6.81	2.35	19.02	0.23	0.033	<0.10	0.40	8.3
GD 6	9/23/2013	6	7.28	5.17	26.93	<0.10	<0.025	<0.10	0.36	5.8
GD 6	12/10/2013	26	5.98	11.41	10.64	0.37	0.041	<0.10	0.17	8.6
GD 6	2/6/2014	16	4.34	15.80	6.85	0.26	0.057	<0.10	0.16	5.5
GD 6	6/26/2014	14	8.31	8.95	27.29	<0.10	<0.025	<0.10	0.42	7.0
GD 6	9/30/2014	7	8.35	6.53	26.78	<0.10	<0.025	<0.10	0.55	7.0
GD 6	11/19/2014	13	7.17	3.36	9.67	0.22	<0.025	0.28	0.38	9.8
GD 6	3/23/2015	17	7.95	8.95	18.40	0.22	<0.025	<0.10	0.26	8.2
GD 6	4/22/2015	15	7.59	10.82	19.80	0.22	<0.025	<0.10	0.28	8.0
GD 6	9/30/2015	14	8.19	12.31	25.47	<0.10	<0.025	0.10	0.97	12.4
GD 6	11/19/2015	43	6.97	15.87	17.75	0.47	0.037	0.13	0.77	16.0
GD 6	3/15/2016	16	7.68	11.58	19.98	0.12	0.043	<0.10	0.50	7.9
GD 6	6/29/2016	10	8.86	9.64	31.50	<0.10	<0.025	<0.10	0.40	11.2
GD 6	8/9/2016	10	8.26	6.98	30.70	<0.10	<0.025	<0.10	0.62	10.3
GD 6	12/7/2016	11.5	7.43	8.13	14.3	0.37	<0.025	<0.10	0.49	7.5

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

TABLE B.12 - ANALYTICAL DATA - CO 15

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	RAMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
CO 15	3/12/2013	32	7.41	8.91	14.40	<0.10	0.097	<0.10	0.53	9.0
CO 15	5/8/2013	27	7.51	8.04	18.10	0.10	<0.12	<0.10	0.59	11.0
CO 15	9/23/2013	13	7.09	4.01	27.18	<0.10	0.027	<0.10	0.34	11.0
CO 15	12/10/2013	42	6.09	11.25	9.83	0.18	0.068	<0.10	0.56	13.0
CO 15	2/6/2014	32	4.22	16.10	6.28	0.21	<0.025	<0.10	0.46	12.0
CO 15	6/26/2014	105	8.16	7.00	25.55	<0.10	0.140	<0.10	0.59	46.0
CO 15	9/30/2014	8	7.88	6.67	23.28	<0.10	<0.025	<0.10	<0.25	8.6
CO 15	11/19/2014	44	7.38	3.68	9.43	0.20	0.030	<0.10	0.32	12.0
CO 15	3/23/2015	56	7.85	9.53	18.50	0.14	0.067	<0.10	0.61	19.0
CO 15	4/22/2015	26	7.62	10.14	21.90	0.14	<0.025	<0.10	0.40	11.0
CO 15	9/30/2015	15	7.68	12.73	22.88	<0.10	<0.025	<0.10	0.75	11.8
CO 15	11/19/2015	50	7.30	19.45	16.98	0.24	0.042	0.18	0.42	17.5
CO 15	3/15/2016	29	7.66	12.39	19.83	<0.10	<0.025	<0.10	0.78	12.4
CO 15	6/29/2016	*	*	*	*	*	*	*	*	*
CO 15	8/9/2016	38	8.03	6.78	29.60	<0.10	<0.025	<0.10	<0.25	22.0
CO 15	12/7/2016	13.6	7.50	9.78	12.1	<0.10	<0.025	<0.10	0.67	14.8

NTU - Nephelometric Turbidity Units

* - outfall was dry

mg/L - milligrams per liter

TABLE B.13 - ANALYTICAL DATA - RC 14

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS				
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)		
RC 14	3/12/2013	28	8.23	7.53	10.30	<0.10	0.088	<0.10	0.61	21.0		
RC 14	5/8/2013	30	6.72	1.78	21.40	0.14	<0.12	<0.10	0.63	16.0		
RC 14	9/23/2013	18	7.86	6.68	24.70	<0.10	<0.025	<0.10	0.58	13.0		
RC 14	12/10/2013	40	8.45	9.50	8.20	<0.10	0.100	0.11	0.69	16.0		
RC 14	2/6/2014	67	7.15	10.94	4.90	0.16	0.036	0.11	0.70	18.0		
RC 14	6/26/2014	6	8.21	6.30	*	<0.10	<0.025	<0.10	0.39	5.9		
RC 14	9/30/2014	12	7.20	6.20	23.50	<0.10	<0.025	<0.10	0.40	12.0		
RC 14	9/19/2014	50	8.20	10.10	7.50	<0.10	0.085	0.13	0.52	28.0		
RC 14	3/23/2015	70	8.03	7.80	18.20	0.26	0.070	<0.10	1.10	34.0		
RC 14	4/22/2015	30	7.77	7.25	18.10	0.20	<0.025	<0.10	0.40	15.0		
RC 14	9/30/2015	17	8.28	5.63	24.40	<0.10	<0.025	<0.10	0.45	12.6		
RC 14	11/19/2015	95	7.32	6.07	17.71	0.14	<0.025	0.14	0.63	36.0		
RC 14	3/15/2016	85	8.13	7.73	18.50	0.11	<0.025	0.30	0.43	69.6		
RC 14	6/29/2016	17	7.58	2.17	28.53	<0.10	0.037	<0.10	0.46	17.5		
RC 14	8/9/2016	10	7.05	2.35	28.53	<0.10	<0.025	<0.10	0.55	8.5		
RC 14	12/7/2016	7.9	7.21	6.47	11.62	<0.10	<0.025	<0.10	0.25	8.6		

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.14 - ANALYTICAL DATA - SS 5

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
SS 5	3/12/2013	6	8.38	9.87	10.80	0.30	0.031	<0.10	0.39	7.2
SS 5	5/8/2013	24	7.38	7.19	16.80	0.16	<0.12	<0.10	0.62	21.0
SS 5	9/23/2013	14	8.00	5.44	25.80	<0.10	0.029	<0.10	1.30	15.0
SS 5	12/10/2013	23	8.25	9.10	7.70	0.24	0.043	0.11	0.67	13.0
SS 5	2/6/2014	28	7.20	12.09	5.40	0.39	<0.025	<0.10	0.86	12.0
SS 5	6/26/2014	11	8.53	7.01	*	<0.10	<0.025	<0.10	0.40	11.0
SS 5	9/30/2014	11	7.64	6.82	24.44	<0.10	<0.025	<0.10	0.45	11.0
SS 5	11/19/2014	14	8.96	13.13	8.50	<0.10	<0.025	<0.10	0.35	9.6
SS 5	3/23/2015	18	8.50	8.99	17.70	0.26	<0.025	<0.10	0.46	11.0
SS 5	4/22/2015	19	7.76	6.71	20.20	0.15	<0.025	<0.10	0.47	13.0
SS 5	9/30/2015	11	8.26	6.61	25.30	<0.10	<0.025	<0.10	0.61	9.9
SS 5	11/19/2015	19	7.86	8.47	15.90	0.24	<0.025	<0.10	<0.25	11.0
SS 5	3/15/2016	20.0	8.37	8.47	17.20	0.26	<0.025	0.23	0.28	9.5
SS 5	6/29/2016	15	8.01	3.81	29.77	<0.10	0.066	<0.10	0.48	13.2
SS 5	8/9/2016	12	7.86	3.16	29.40	<0.10	<0.025	<0.10	0.46	12.6
SS 5	12/7/2016	6.6	7.94	6.70	12.30	<0.10	<0.025	0.12	0.42	8.0

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.15 - ANALYTICAL DATA - SME 1

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
SME 1	3/12/2013	13	8.19	8.26	13.10	0.54	0.110	0.11	0.34	16.0
SME 1	5/8/2013	24	7.64	8.96	16.00	0.15	0.063	<0.10	0.42	14.0
SME 1	9/23/2013	14	8.26	7.87	27.70	<0.10	0.053	<0.10	0.80	15.0
SME 1	12/10/2013	46	8.05	9.15	7.60	0.55	0.210	0.26	0.47	21.0
SME 1	2/6/2014	61	7.22	11.34	5.90	0.55	0.110	0.13	0.50	23.0
SME 1	6/26/2014	14	8.49	7.05	*	<0.10	<0.025	<0.10	0.31	13.0
SME 1	9/30/2014	28	8.25	7.46	24.67	<0.10	0.044	0.11	0.61	34.0
SME 1	11/19/2014	40	8.31	10.86	7.80	0.74	0.270	0.29	0.55	19.0
SME 1	3/23/2015	21	8.26	8.52	17.30	0.51	0.073	0.10	<0.25	14.0
SME 1	4/22/2015	29	7.14	7.97	18.50	0.40	0.039	<0.10	0.38	18.0
SME 1	9/30/2015	15	8.34	7.03	26.40	<0.10	0.052	0.14	0.81	15.3
SME 1	11/19/2015	50	7.92	7.04	15.90	0.40	0.084	0.13	<0.25	23.2
SME 1	3/15/2016	26	8.44	7.21	18.30	0.45	0.047	<0.10	<0.25	17.7
SME 1	6/29/2016	21	8.80	3.29	30.67	<0.10	0.180	0.25	0.62	20.3
SME 1	8/9/2016	15	8.55	4.98	28.87	<0.10	0.089	0.15	0.55	12.6
SME 1	12/7/2016	31	7.96	10.20	11.98	0.41	0.209	0.27	0.38	17.7

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.16 - ANALYTICAL DATA - GD 9

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 9	2/6/2014	34	7.20	11.27	5.50	0.40	0.063	0.12	0.60	14.0
GD 9	6/26/2014	45	8.22	6.08	*	<0.10	0.029	0.12	0.41	34.0
GD 9	9/30/2014	12	8.30	6.93	24.61	<0.10	<0.025	<0.10	0.30	15.0
GD 9	11/19/2014	23	8.13	9.38	9.30	0.16	0.082	0.25	0.74	15.0
GD 9	3/23/2015	25	8.16	7.58	15.80	0.15	<0.025	<0.10	0.64	18.0
GD 9	4/22/2015	18	7.58	5.58	20.70	0.15	<0.025	<0.10	0.65	14.0
GD 9	9/30/2015	10	7.93	5.37	25.70	<0.10	<0.025	<0.10	0.64	10.8
GD 9	11/19/2015	40	7.67	*	16.50	0.25	0.096	0.12	<0.25	16.7
GD 9	3/15/2016	15	8.49	7.66	17.30	0.33	0.044	<0.10	<0.25	12.1
GD 9	6/29/2016	44	8.20	1.76	29.77	<0.10	<0.025	<0.10	0.65	67.2
GD 9	8/9/2016	11	8.07	4.14	29.00	<0.10	<0.025	<0.10	0.47	9.4
GD 9	12/7/2016	26	7.99	8.01	11.99	<0.10	<0.025	0.13	0.38	38.3

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.17 - ANALYTICAL DATA - GD 7

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS		LABORATORY ANALYSIS					
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)	
GD 7	3/12/2013	10	7.98	11.63	15.27	0.39	0.037	<0.10	0.31	8.8	
GD 7	5/8/2013	26	7.72	7.46	18.40	0.24	0.063	<0.10	<0.56	20.0	
GD 7	9/23/2013	11	7.05	6.31	26.50	<0.10	0.026	<0.10	0.54	9.6	
GD 7	12/10/2013	42	8.02	9.68	7.50	0.34	0.084	0.11	0.32	40.0	
GD 7	2/6/2014	28	7.27	13.32	4.40	0.52	0.034	<0.10	0.61	13.0	
GD 7	6/26/2014	6	8.45	7.04	*	<0.10	<0.025	<0.10	0.52	8.7	
GD 7	9/30/2014	12	7.87	6.32	24.39	<0.10	<0.025	<0.10	0.41	13.0	
GD 7	11/19/2014	20	8.53	10.10	9.60	0.14	<0.025	0.13	0.46	15.0	
GD 7	3/23/2015	13	8.28	8.87	15.40	0.27	<0.025	<0.10	0.35	10.0	
GD 7	4/22/2015	28	7.99	6.40	20.20	0.24	<0.025	<0.10	0.47	24.0	
GD 7	9/30/2015	8	7.89	5.18	24.90	<0.10	<0.025	<0.10	0.59	9.1	
GD 7	11/19/2015	45	7.78	8.23	15.60	0.34	0.051	<0.10	<0.25	34.3	
GD 7	3/15/2016	17	8.46	8.51	17.80	0.26	<0.025	<0.10	0.40	13.9	
GD 7	6/29/2016	11	7.90	2.22	30.32	<0.10	0.048	<0.10	0.49	8.6	
GD 7	8/9/2016	7	7.97	4.08	29.31	<0.10	<0.025	<0.10	0.47	5.7	
GD 7	12/7/2016	9.5	7.88	10.14	12.39	<0.10	<0.025	<0.10	0.36	7.8	

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.18 - ANALYTICAL DATA - GD 5

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS		LABORATORY ANALYSIS					
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)	
GD 5	3/13/2013	12	8.33	9.29	10.20	0.26	<0.025	<0.10	0.34	9.6	
GD 5	5/20/2013	14	8.28	7.76	22.60	<0.10	<0.025	<0.10	0.62	9.0	
GD 5	9/23/2013	12	7.67	6.78	27.10	<0.10	0.027	<0.10	0.45	8.0	
GD 5	12/10/2013	58	7.97	9.10	9.10	0.10	0.088	0.10	0.47	18.0	
GD 5	2/6/2014	46	7.14	9.88	7.20	0.17	0.038	<0.10	0.37	17.0	
GD 5	6/26/2014	17	7.90	6.54	*	<0.10	<0.025	<0.10	0.34	12.0	
GD 5	9/30/2014	23	8.28	7.53	25.22	<0.10	<0.025	<0.10	<0.25	18.0	
GD 5	11/19/2014	43	8.15	9.30	9.40	0.11	0.051	<0.10	0.43	26.0	
GD 5	3/23/2015	24	8.14	8.58	15.90	0.12	<0.025	<0.10	0.34	15.0	
GD 5	4/22/2015	25	7.81	7.78	21.70	0.14	<0.025	<0.10	0.65	13.0	
GD 5	9/30/2015	18	8.03	6.27	26.30	<0.10	<0.025	0.12	0.56	17.3	
GD 5	11/19/2015	90	7.63	7.34	16.60	0.17	0.042	<0.10	<0.25	42.8	
GD 5	3/15/2016	24	8.80	7.47	19.40	<0.10	<0.025	<0.10	0.44	13.2	
GD 5	6/29/169	21	8.02	2.27	30.37	<0.10	0.074	<0.10	0.49	15.0	
GD 5	8/9/2016	12	8.25	5.55	30.20	<0.10	<0.025	<0.10	0.41	11.0	
GD 5	12/7/2016	10	7.73	10.61	11.96	<0.10	<0.025	<0.10	0.34	6.8	

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.19 - ANALYTICAL DATA - GD 3

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS			LA	BORATORY ANALYS	SIS	
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)
GD 3	3/13/2013	12	8.00	9.28	10.70	0.29	0.028	<0.10	0.44	11.0
GD 3	5/20/2013	12	8.09	7.01	23.40	0.15	0.026	<0.10	0.63	13.0
GD 3	9/23/2013	12	7.80	6.50	26.40	<0.10	0.025	<0.10	0.58	10.0
GD 3	12/10/2013	46	7.85	9.23	9.30	0.21	0.085	0.14	0.64	23.0
GD 3	2/6/2014	90	7.13	10.58	6.10	0.21	<0.025	0.12	0.68	27.0
GD 3	6/26/2014	15	8.13	8.00	*	0.12	<0.025	<0.10	0.40	14.0
GD 3	9/30/2014	20	8.11	6.69	25.06	<0.10	<0.025	<0.10	0.32	19.0
GD 3	11/19/2014	18	8.36	10.88	9.30	<0.10	<0.025	<0.10	0.26	15.0
GD 3	3/23/2015	13	8.32	7.84	16.50	0.22	<0.025	<0.10	0.34	10.0
GD 3	4/22/2015	26	7.86	6.74	20.60	0.18	0.079	<0.10	0.36	21.0
GD 3	9/30/2015	10	7.94	4.91	24.90	0.10	<0.025	0.13	0.74	11.5
GD 3	11/19/2015	40	7.61	7.74	16.00	0.25	<0.025	0.10	<0.25	22.0
GD 3	3/15/2016	26	8.04	8.62	18.70	0.42	0.071	<0.10	<0.25	11.7
GD 3	6/29/2016	6	7.84	2.78	29.94	<0.10	0.088	<0.10	<0.25	10.7
GD 3	8/9/2016	8	7.98	5.09	30.01	<0.10	<0.025	<0.10	0.39	10.0
GD 3	12/7/2016	5.9	7.91	10.55	12.00	<0.10	<0.025	<0.10	0.36	8.1

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.20 - ANALYTICAL DATA - SME 3

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAR	AMETERS		LABORATORY ANALYSIS					
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)	
SME 3	3/13/2013	17	7.84	7.44	11.30	0.20	0.038	<0.10	0.69	15.0	
SME 3	5/20/2013	19	8.11	6.09	23.60	0.17	0.028	<0.10	0.69	19.0	
SME 3	9/23/2013	15		5.32	26.50	<0.10	0.029	<0.10	0.53	13.0	
SME 3	12/10/2013	48	7.69	8.85	9.60	<0.10	0.086	<0.10	0.62	20.0	
SME 3	2/6/2014	83	7.09	10.62	6.30	0.25	<0.025	<0.10	0.69	33.0	
SME 3	6/26/2014	50	8.04	7.03	*	<0.10	0.047	<0.10	0.53	30.0	
SME 3	9/30/2014	17	8.08	5.98	25.33	<0.10	<0.025	<0.10	0.66	18.0	
SME 3	11/19/2014	22	8.30	10.40	9.30	0.12	0.035	<0.10	<0.25	19.0	
SME 3	3/23/2015	25	8.13	7.72	21.20	0.24	0.026	<0.10	0.46	16.0	
SME 3	4/22/2015	12	7.76	6.70	21.80	0.15	<0.025	<0.10	0.45	14.0	
SME 3	9/30/2015	18	7.96	6.19	25.60	0.13	<0.025	0.13	0.42	24.4	
SME 3	11/19/2015	65	7.56	7.44	15.80	0.25	0.032	<0.10	<0.25	37.8	
SME 3	3/15/2016	68	8.35	7.51	19.20	0.30	<0.025	<0.10	<0.25	78.8	
SME 3	6/29/2016	18	7.80	2.56	30.16	<0.10	0.062	<0.10	0.37	15.3	
SME 3	8/9/2016	15	7.52	3.43	29.53	<0.10	<0.025	<0.10	0.56	10.8	
SME 3	12/7/2016	8.5	7.90	10.91	11.85	<0.10	<0.025	0.15	1.78	9.4	

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter

TABLE B.21 - ANALYTICAL DATA - HB 3

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

			FIELD PAF	AMETERS		LABORATORY ANALYSIS					
MONITORING POINT ID	DATE	TURBIDITY (NTU)	рН	DO (mg/L)	TEMP (°C)	NITRATE- NITRITE (mg/L)	ORTHO- PHOSPHATE (mg/L)	TOTAL P (mg/L)	TKN (mg/L)	TSS (mg/L)	
HB 3	3/12/2013	33	7.54	9.48	13.90	0.19	0.081	<0.10	0.83	49.0	
HB 3	5/20/2013	15	8.21	6.82	27.80	0.17	<0.025	<0.10	0.60	17.0	
HB 3	9/23/2013	21	8.02	4.89	25.70	<0.10	0.037	<0.10	0.60	19.0	
HB 3	12/10/2013	48	7.90	8.65	10.10	<0.10	0.140	0.15	0.62	20.0	
HB 3	2/6/2014	32	7.22	12.24	5.90	0.48	0.030	<0.10	0.37	13.0	
HB 3	6/26/2014	12	8.20	7.12	*	<0.10	<0.025	<0.10	0.37	12.0	
HB 3	9/30/2014	30	8.05	6.01	24.78	<0.10	<0.025	<0.10	0.48	30.0	
HB 3	11/19/2014	56	7.85	8.83	8.80	0.11	0.098	0.12	0.44	51.0	
HB 3	3/23/2015	27	8.21	8.40	24.20	0.26	<0.025	<0.10	0.46	35.0	
HB 3	4/22/2015	25	7.91	8.36	21.90	0.20	<0.025	<0.10	0.66	22.0	
HB 3	9/30/2015	22	7.89	5.05	25.70	<0.10	<0.025	<0.10	0.91	23.0	
HB 3	11/19/2015	32	7.83	7.37	17.40	0.38	0.045	<0.10	<0.25	30.2	
HB 3	3/15/2016	29	8.52	7.97	19.10	0.30	0.087	<0.10	<0.25	23.8	
HB 3	6/29/2016	17	8.02	2.77	30.61	<0.10	<0.025	<0.10	0.51	20.9	
HB 3	8/9/2016	11	7.91	4.31	30.19	<0.10	<0.025	<0.10	0.70	14.3	
HB 3	12/7/2016	16	7.93	8.44	12.81	0.11	<0.025	0.13	0.73	17.0	

NTU - Nephelometric Turbidity Units

* - unknown reading due to equipment malfuction

mg/L - milligrams per liter



Appendix C

Laboratory Report No. L893513, dated March 13, 2017



ANALYTICAL REPORT



S&ME - Huntsville

Sample Delivery Group: Samples Received: Project Number: Description: L893513 03/03/2017 4482-15-043 Gadsden MS4

Report To:

Mr. Travis Overton 360 D Quality Circle NW Suite 450 Huntsville, AL 35806

Entire Report Reviewed By:

Ceat

Craig Cothron Technical Service Representative

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by ESC is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.

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¹Cp: Cover Page

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AT5 L893513-01 WW			Collected by E. Kennedy	Collected date/time 03/02/17 09:27	Received date/time 03/03/17 09:00
Nethod	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG957817	1	03/07/17 09:13	03/07/17 10:10	JER
Vet Chemistry by Method 351.2	WG957655	1	03/04/17 12:57	03/06/17 19:47	ASK
/et Chemistry by Method 353.2	WG958345	1	03/08/17 11:05	03/08/17 11:05	DR
Vet Chemistry by Method 365.4	WG958449	1	03/04/17 12:57	03/07/17 13:41	AS
/et Chemistry by Method 4500P E-2011	WG959739	1	03/10/17 10:40	03/10/17 10:40	MHM
GD8 L893513-02 WW			Collected by E. Kennedy	Collected date/time 03/02/17 09:45	Received date/time 03/03/17 09:00
<i>l</i> lethod	Batch	Dilution	Preparation	Analysis	Analyst
ravimatric Analycic by Mathad 2540 D 2011	WC057917	1			IED
variation analysis by Method 251.2	W032/01/	1	03/01/17 09.13	03/00/17 10.10	JER
Vot Chemistry by Method 351.2	WC058345	1	03/04/17 12.36	03/09/17 00.38	ASK
Vet Chemistry by Method 365.4	WC057658	1	03/06/17 11:07	03/08/17 11.07	DR AS
Vet Chemistry by Method 4500P F-2011	W/C027/3	1	03/04/17 12.30 03/04/17 08·51	03/0/1/13.31	аз МЦМ
The shelling by Method 4500F E-2011	W0321143	I	00/0 4 /17/00.01	03/0 4 /1/ 00.31	ινιτΊΝ
RC2 L893513-03 WW			Collected by E. Kennedy	Collected date/time 03/02/17 10:00	Received date/time 03/03/17 09:00
N ethod	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
ravimetric Analysis by Method 2540 D-2011	WG957817	1	03/07/17 09:13	03/07/17 10:10	JER
/et Chemistry by Method 351.2	WG959144	1	03/04/17 12:58	03/09/17 01:00	ASK
/et Chemistry by Method 353.2	WG958345	1	03/08/17 11:09	03/08/17 11:09	DR
Vet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 15:34	AS
let Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:52	03/04/17 08:52	MHM
SS13 L893513-04 WW			Collected by E. Kennedy	Collected date/time 03/02/17 10:17	Received date/time 03/03/17 09:00
fethod	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
ravimetric Analysis by Method 2540 D-2011	WG957817	1	03/07/17 09:13	03/07/17 10:10	JER
/et Chemistry by Method 351.2	WG959144	1	03/04/17 12:58	03/09/17 01:01	ASK
/et Chemistry by Method 353.2	WG958345	1	03/08/17 11:14	03/08/17 11:14	DR
let Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 15:35	AS
let Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:54	03/04/17 08:54	MHM
SS14 L893513-05 WW			Collected by E. Kennedy	Collected date/time 03/02/17 10:27	Received date/time 03/03/17 09:00
/lethod	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
avimetric Analysis by Method 2540 D-2011	WG957817	1	03/07/17 09:13	03/07/17 10:10	JER
/et Chemistry by Method 351.2	WG959144	1	03/04/17 12:58	03/09/17 01:02	ASK
Vet Chemistry by Method 353.2	WG958345	1	03/08/17 11:15	03/08/17 11:15	DR
Vet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 15:36	AS
Wet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:54	03/04/17 08:54	MHM

SDG: L893513 DATE/TIME: 03/13/17 15:57

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GD12 L893513-06 WW			Collected by E. Kennedy	Collected date/time 03/02/17 10:46	Received date/time 03/03/17 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG957817	1	03/07/17 09:13	03/07/17 10:10	JER
Wet Chemistry by Method 351.2	WG959144	1	03/04/17 12:58	03/09/17 01:03	ASK
Wet Chemistry by Method 353.2	WG958345	1	03/08/17 11:16	03/08/17 11:16	DR
Wet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 15:38	AS
Wet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:55	03/04/17 08:55	MHM
C014 L893513-07 WW			Collected by E. Kennedy	Collected date/time 03/02/17 10:57	Received date/time 03/03/17 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG957817	1	03/07/17 09.13	03/07/17 10.10	IFR
Wet Chemistry by Method 351.2	WG959144	1	03/04/17 12:58	03/09/17 01:07	ASK
Wet Chemistry by Method 353.2	WG958345	1	03/08/17 11:17	03/08/17 11:17	DR
Wet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 15:41	AS
Wet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:55	03/04/17 08:55	MHM
SME2 L893513-08 WW			Collected by E. Kennedy	Collected date/time 03/02/17 12:46	Received date/time 03/03/17 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG957817	1	03/07/17 09:13	03/07/17 10:10	JER
Net Chemistry by Method 351.2	WG959144	1	03/04/17 12:58	03/09/17 01:08	ASK
Net Chemistry by Method 353.2	WG958345	1	03/08/17 11:18	03/08/17 11:18	DR
Wet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 15:43	AS
Net Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:55	03/04/17 08:55	MHM
GD6 L893513-09 WW			Collected by E. Kennedy	Collected date/time 03/02/17 12:58	Received date/time 03/03/17 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG957817	1	03/07/17 09:13	03/07/17 10:10	JER
Net Chemistry by Method 351.2	WG959144	1	03/04/17 12:58	03/09/17 01:09	ASK
Net Chemistry by Method 353.2	WG958345	1	03/08/17 11:20	03/08/17 11:20	DR
Net Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 15:44	AS
Wet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:56	03/04/17 08:56	MHM
CO15 L893513-10 WW			Collected by E. Kennedy	Collected date/time 03/02/17 13:20	Received date/time 03/03/17 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
	Baton		date/time	date/time	. margae
Gravimetric Analysis by Method 2540 D-2011	WG957817	1	03/07/17 09:13	03/07/17 10:10	JER
Net Chemistry by Method 351.2	WG959144	1	03/04/17 12:58	03/09/17 01:13	ASK
Wet Chemistry by Method 353.2	WG958345	1	03/08/17 11:28	03/08/17 11:28	DR
Wet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 15:48	AS
Wat Chamistry by Mathad 4500P E 2011	WG957743	1	03/04/17 08:56	03/04/17 08:56	МНМ

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RC14 L893513-11 WW			Collected by E. Kennedy	Collected date/time 03/02/17 09:30	Received date/time 03/03/17 09:00
Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG957817	1	03/07/17 09:13	03/07/17 10:10	JER
Vet Chemistry by Method 351.2	WG959144	1	03/04/17 12:58	03/09/17 01:14	ASK
Vet Chemistry by Method 353.2	WG958345	1	03/08/17 11:29	03/08/17 11:29	DR
Vet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 15:49	AS
Vet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:57	03/04/17 08:57	MHM
SS5 L893513-12 WW			Collected by E. Kennedy	Collected date/time 03/02/17 10:20	Received date/time 03/03/17 09:00
Method	Batch	Dilution	Preparation	Analysis date/time	Analyst
ravimetric Analysis by Method 2540 D-2011	WG957817	1	03/07/17 09:13	03/07/17 10:10	IFR
Vet Chemistry by Method 3512	WG959144	1	03/04/17 12:58	03/09/17 01:15	ASK
Vet Chemistry by Method 353.2	WG958345	1	03/08/17 11:30	03/08/17 11:30	DR
Vet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 15:50	AS
Vet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:57	03/04/17 08:57	MHM
SME1 L893513-13 WW			Collected by E. Kennedy	Collected date/time 03/02/17 10:50	Received date/time 03/03/17 09:00
Nethod	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG957817	1	03/07/17 09:13	03/07/17 10:10	JER
Vet Chemistry by Method 351.2	WG959144	1	03/04/17 12:58	03/09/17 01:17	ASK
Vet Chemistry by Method 353.2	WG958345	1	03/08/17 11:31	03/08/17 11:31	DR
Vet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 15:52	AS
Vet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:57	03/04/17 08:57	MHM
GD9 L893513-14 WW			Collected by E. Kennedy	Collected date/time 03/02/17 11:00	Received date/time 03/03/17 09:00
/lethod	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG957817	1	03/07/17 09:13	03/07/17 10:10	JER
Vet Chemistry by Method 351.2	WG959144	1	03/04/17 12:58	03/09/17 01:20	ASK
Vet Chemistry by Method 353.2	WG958345	1	03/08/17 11:32	03/08/17 11:32	DR
Vet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 16:26	AS
Vet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:58	03/04/17 08:58	MHM
GD7 L893513-15 WW			Collected by E. Kennedy	Collected date/time 03/02/17 11:10	Received date/time 03/03/17 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG957817	1	03/07/17 09:13	03/07/17 10:10	JER
Vet Chemistry by Method 351.2	WG959144	1	03/04/17 12:58	03/09/17 01:21	ASK
Vet Chemistry by Method 353.2	WG958345	1	03/08/17 11:33	03/08/17 11:33	DR
Net Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 16:28	AS
Wet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:58	03/04/17 08:58	MHM

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GD5 L893513-16 WW			Collected by E. Kennedy	Collected date/time 03/02/17 13:40	Received date/time 03/03/17 09:00
<i>M</i> ethod	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG957817	1	03/07/17 09:13	03/07/17 10:10	IFR
Net Chemistry by Method 351.2	WG959144	1	03/04/17 12:58	03/09/17 01:24	ASK
Vet Chemistry by Method 353.2	WG958345	1	03/08/17 11:34	03/08/17 11:34	DR
Vet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 16:29	AS
Vet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:58	03/04/17 08:58	MHM
GS3 L893513-17 WW			Collected by E. Kennedy	Collected date/time 03/02/17 14:00	Received date/time 03/03/17 09:00
Method	Batch	Dilution	Preparation	Analysis date/time	Analyst
ravimetric Analysis by Method 2540 D-2011	WG957817	1	03/07/17 09:13	03/07/17 10:10	IFR
Vet Chemistry by Method 351 2	WG959144	1	03/04/17 12:58	03/09/17 01:25	2CK
let Chemistry by Method 353.2	WGQ58745	1	03/08/17 11:39	03/08/17 11.29	DR
Vet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 16:30	۵۹
Vet Chemistry by Method 4500P E-2011	WG957202	1	03/04/17 11:09	03/04/17 11:09	MHM
SME3 L893513-18 WW			Collected by E. Kennedy	Collected date/time 03/02/17 14:10	Received date/time 03/03/17 09:00
<i>A</i> ethod	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG957817	1	03/07/17 09:13	03/07/17 10:10	JER
Vet Chemistry by Method 351.2	WG959144	1	03/04/17 12:58	03/09/17 01:27	ASK
Vet Chemistry by Method 353.2	WG958345	1	03/08/17 11:40	03/08/17 11:40	DR
Vet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 16:33	AS
Vet Chemistry by Method 4500P E-2011	WG957202	1	03/04/17 11:11	03/04/17 11:11	MHM
HB3 L893513-19 WW			Collected by E. Kennedy	Collected date/time 03/02/17 13:15	Received date/time 03/03/17 09:00
flethod	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst
Gravimetric Analysis by Method 2540 D-2011	WG957817	1	03/07/17 09:13	03/07/17 10:10	JER
Vet Chemistry by Method 351.2	WG959144	1	03/04/17 12:58	03/09/17 01:28	ASK
Vet Chemistry by Method 353.2	WG958345	1	03/08/17 11:41	03/08/17 11:41	DR
Vet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 16:34	AS
Vet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:59	03/04/17 08:59	MHM
SME5 L893513-20 WW			Collected by E. Kennedy	Collected date/time 03/02/17 12:00	Received date/time 03/03/17 09:00
Method	Batch	Dilution	Preparation	Analysis	Analyst
			date/time	date/time	
Gravimetric Analysis by Method 2540 D-2011	WG957817	1	03/07/17 09:13	03/07/17 10:10	JER
Vet Chemistry by Method 351.2	WG959144	1	03/04/17 12:58	03/09/17 01:30	ASK
Vet Chemistry by Method 353.2	WG958345	1	03/08/17 11:42	03/08/17 11:42	DR
Net Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 16:35	AS
Wet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 09:02	03/04/17 09:02	MHM

SDG: L893513 DATE/TIME: 03/13/17 15:57

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SME4 L893513-21 WW			Collected by E. Kennedy	Collected date/time 03/02/17 12:00	Received date/time 03/03/17 09:00	1
Method	Batch	Dilution	Preparation	Analyst		
			date/time	date/time		2
Gravimetric Analysis by Method 2540 D-2011	WG957818	1	03/08/17 00:36	03/08/17 03:38	JM	
Wet Chemistry by Method 351.2	WG959144	1	03/04/17 12:58	03/09/17 01:33	ASK	3
Wet Chemistry by Method 353.2	WG958347	1	03/07/17 17:20	03/07/17 17:20	DR	
Wet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 16:37	AS	
Wet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 09:02	03/04/17 09:02	MHM	4

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All MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Craig Cothron Technical Service Representative

Sample Handling and Receiving

The following samples were prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

ESC Sample ID L893513-01 Project Sample ID

Method 4500P E-2011

ACCOUNT: S&ME - Huntsville PROJECT: 4482-15-043 SDG: L893513 DATE/TIME: 03/13/17 15:57 PAGE: 8 of 47



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AI5 Collected date/time: 03/02/17 09:27			SAMPL	.E RES	3ULTS - 01		ONE LAB. NATIONV
Gravimetric Analys	is by Method 2	2540 D-20)11				
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Suspended Solids	44.6		2.50	1	03/07/2017 10:10	WG957817	
Wet Chemistry by	Method 351.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Kjeldahl Nitrogen, TKN	0.529	<u>B P1</u>	0.250	1	03/06/2017 19:47	WG957655	
Wet Chemistry by	Method 353.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	1.08		0.100	1	03/08/2017 11:05	WG958345	
Wet Chemistry by	Method 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Phosphorus, Total	0.373	B P1	0.100	1	03/07/2017 13:41	WG958449	

Wet Chemistry by Method 4500P E-2011

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	0.267		0.0250	1	03/10/2017 10:40	WG959739

GD8 Collected date/time: 03/02/17 0	9:45	S	SAMPLE	RES 189351	ULTS - 02 3	ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by I	Method 25	40 D-2011					1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	3.60		2.50	1	03/07/2017 10:10	<u>WG957817</u>	Тс
Wet Chemistry by Metho	od 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 Cn
(jeldahl Nitrogen, TKN	0.342		0.250	1	03/09/2017 00:58	WG959144	CII
Wet Chemistry by Metho	od 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	C
Analyte	mg/l		mg/l		date / time		°Qc
Nitrate-Nitrite	0.284	<u>J6</u>	0.100	1	03/08/2017 11:07	WG958345	
		_					⁷ Gl
Net Chemistry by Metho	od 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		A
Phosphorus, Total	ND		0.100	1	03/08/2017 15:31	WG957658	9
Net Chemistry by Metho	d 4500P F	-2011					SC
		_ • · ·					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	03/04/2017 08:51	WG957743

Phosphate,Ortho

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SAMPLE RESULTS - 03

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Gravimetric Analysi	is by Method	2540 D-20 ⁴	11				
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Suspended Solids	8.00		2.50	1	03/07/2017 10:10	WG957817	
Wet Chemistry by N	Method 351.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Kjeldahl Nitrogen, TKN	0.445		0.250	1	03/09/2017 01:00	<u>WG959144</u>	
Wet Chemistry by N	Method 353.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	0.166	B	0.100	1	03/08/2017 11:09	WG958345	
Wet Chemistry by N	Method 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	ND		0.100	1	03/08/2017 15:34	WG957658	
Wet Chemistry by N	Method 4500	P E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

03/04/2017 08:52

WG957743

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SAMPLE RESULTS - 04

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Gravimetric Analysis by Method 2540 D-2011

	Result	Qualifier	RDL	Dilution	Analysis	Batch	 Ср
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	4.60	<u>P1</u>	2.50	1	03/07/2017 10:10	WG957817	Tc

Sample Narrative:

2540 D-2011 L893513-04 WG957817: sample split for DUP

Wet Chemistry by Method 351.2

	Result	Qualifier	RDL	Dilution	Analysis	Batch	5
Analyte	mg/l		mg/l		date / time		۳S
Kjeldahl Nitrogen, TKN	0.754		0.250	1	03/09/2017 01:01	WG959144	

Wet Chemistry by Method 353.2

	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		G
Nitrate-Nitrite	0.249		0.100	1	03/08/2017 11:14	WG958345	8

Wet Chemistry by Method 365.4

	Result	Qualifier	RDL	Dilution	Analysis	Batch	So
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	ND		0.100	1	03/08/2017 15:35	WG957658	

Wet Chemistry by Method 4500P E-2011

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	03/04/2017 08:54	WG957743

Wet Chemistry by N	lethod 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 Cn
Kjeldahl Nitrogen, TKN	0.842		0.250	1	03/09/2017 01:02	WG959144	СП
Wet Chemistry by N	lethod 353.2						⁵ Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	

date / time

03/08/2017 11:15

mg/l

0.100

Batch

WG957817

WG958345

Wet Chemistry by Method 365.4

Analyte

Nitrate-Nitrite

Analyte	Result mg/l	Qualifier	RDL mg/l	Dilution	Analysis date / time	Batch	⁸ Al
Phosphorus,Total	0.153		0.100	1	03/08/2017 15:36	<u>WG957658</u>	⁹ Sc

1

Wet Chemistry by Method 4500P E-2011

mg/l

0.475

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	0.0920		0.0250	1	03/04/2017 08:54	WG957743

Τс

Qc

GI

GD12 Collected date/time: 03/02/17 10	0:46		SAMPLE	RES L89351	ULTS - 06 3	ONE LAB. NATIONWIDE.	*
Gravimetric Analysis by M	Method 25	40 D-201	1				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	Ср
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	6.10		2.50	1	03/07/2017 10:10	WG957817	Tc
Wet Chemistry by Metho	d 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4 Cn
Kjeldahl Nitrogen, TKN	0.583		0.250	1	03/09/2017 01:03	WG959144	СП
Wet Chemistry by Metho	d 353.2						⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		°Qc
Nitrate-Nitrite	0.223		0.100	1	03/08/2017 11:16	WG958345	-
							⁷ Gl
Wet Chemistry by Metho	d 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		AI
Phosphorus,Total	0.119		0.100	1	03/08/2017 15:38	WG957658	9
Wet Chemistry by Metho	d 4500P E	-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	03/04/2017 08:55	WG957743

Phosphate,Ortho

ND

SAMPLE RESULTS - 07

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Gravimetric Analysi	is by Method	2540 D-20 ⁴	11				
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Suspended Solids	5.20		2.50	1	03/07/2017 10:10	<u>WG957817</u>	
Wet Chemistry by N	Method 351.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Kjeldahl Nitrogen, TKN	0.601		0.250	1	03/09/2017 01:07	WG959144	
Wet Chemistry by N	Method 353.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	0.106	B	0.100	1	03/08/2017 11:17	WG958345	
Wet Chemistry by N	Method 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	ND		0.100	1	03/08/2017 15:41	WG957658	
Wet Chemistry by M	Method 4500	P E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

03/04/2017 08:55

WG957743

0.0250

1
SME2 Collected date/time: 03/	02/17 12:46		SAMPLE	L89351	ULTS - 08	ONE LAB. NATIONWI	ide. 🤻
Gravimetric Analysi	is by Method 2	2540 D-20	11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	— C
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	11.4		2.50	1	03/07/2017 10:10	<u>WG957817</u>	Тс
Wet Chemistry by N	Method 351.2						³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		⁴ Cr
Kjeldahl Nitrogen, TKN	0.720		0.250	1	03/09/2017 01:08	WG959144	
Wet Chemistry by M	Method 353.2						⁵ Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		ČQC
Nitrate-Nitrite	0.267		0.100	1	03/08/2017 11:18	WG958345	
Wat Chamistry by M	Method 365 4						⁷ Gl
Wet enemistry by t	Posult	Qualifier	וחפ	Dilution	Analysis	Batch	8
Analyte	mg/l	Qualifier	mg/l	Dilution	date / time	bach	Ā
Phosphorus,Total	ND		0.100	1	03/08/2017 15:43	WG957658	9
							Sc
wet Chemistry by N	viethod 4500F	- E-2011					

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	03/04/2017 08:55	WG957743

GD6 Collected date/time: 03/0	02/17 12:58		SAMPL	LE RES	ULTS - 09 3		ONE LAB. NATIONWIDE.	*
Gravimetric Analysis	s by Method 2	2540 D-20	11					1
	Result	Qualifier	RDL	Dilution	Analysis	Batch		Ср
Analyte	mg/l		mg/l		date / time			2
Suspended Solids	8.96		2.50	1	03/07/2017 10:10	WG957817		Tc
Wet Chemistry by N	1ethod 351.2							³ Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch		
Analyte	mg/l		mg/l		date / time			⁴ Cn
Kjeldahl Nitrogen, TKN	0.509		0.250	1	03/09/2017 01:09	WG959144		СП
Wet Chemistry by M	lethod 353.2							⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch		G
Analyte	mg/l		mg/l		date / time			°Qc
Nitrate-Nitrite	0.250	J6	0.100	1	03/08/2017 11:20	WG958345		
Wet Chemistry by N	lethod 365.4							⁷ Gl
	Result	Qualifier	RDL	Dilution	Analysis	Batch		8
Analyte	mg/l		mg/l		date / time			AI
Phosphorus,Total	ND	<u>J6</u>	0.100	1	03/08/2017 15:44	WG957658		°Sc
Wet Chemistry by M	lethod 4500F	P E-2011						

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate,Ortho	ND		0.0250	1	03/04/2017 08:56	WG957743

CO15 Collected date/time: 03/0	2/17 13:20		SAMPI	LE RES	ULTS - 10 3		ONE LAB. NATIONWIDE.	*
Gravimetric Analysis	by Method 2	540 D-20	11					1
	Result	Qualifier	RDL	Dilution	Analysis	Batch		Ср
Analyte	mg/l		mg/l		date / time			2_
Suspended Solids	17.4		2.50	1	03/07/2017 10:10	WG957817		IC
Wet Chemistry by M	lethod 351.2							³Ss
	Result	Qualifier	RDL	Dilution	Analysis	Batch		
Analyte	mg/l		mg/l		date / time			4 Cn
Kjeldahl Nitrogen, TKN	0.521		0.250	1	03/09/2017 01:13	WG959144		CII
Wet Chemistry by M	lethod 353.2							⁵Sr
	Result	Qualifier	RDL	Dilution	Analysis	Batch		
Analyte	mg/l		mg/l		date / time			°Qc
Nitrate-Nitrite	0.152	В	0.100	1	03/08/2017 11:28	WG958345		
		-						⁷ Gl
Wet Chemistry by M	lethod 365.4							01
	Result	Qualifier	RDL	Dilution	Analysis	Batch		8
Analyte	mg/l		mg/l		date / time			AI
Phosphorus,Total	ND		0.100	1	03/08/2017 15:48	WG957658		9
								SC
wet Chemistry by M	ietnoa 4500P	E-2011						

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate, Ortho	ND		0.0250	1	03/04/2017 08:56	WG957743

Analyte

Phosphate,Ortho

mg/l

ND

SAMPLE RESULTS - 11

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	Decult	Qualifier	וחח	Dilution	Analysis	Patab	
A	Result	Qualmer	KUL	Dilution	Analysis	Batch	
Analyte	mg/I		mg/I		date / time		
Suspended Solids	14.6		2.50	1	03/07/2017 10:10	<u>WG957817</u>	
Wet Chemistry by N	lethod 351.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Kjeldahl Nitrogen, TKN	0.608		0.250	1	03/09/2017 01:14	WG959144	
Wet Chemistry by N	lethod 353.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	0.120	B	0.100	1	03/08/2017 11:29	WG958345	
Wat Chamistry by N	lethod 365 4						
	Posult	Qualifier	וחפ	Dilution	Analysis	Batch	
Analyte	mg/l	Qualmen	mg/l	Dilution	date / time	Bateri	
Phosphorus, Total	ND		0.100	1	03/08/2017 15:49	WG957658	
Wet Chemistry by M	lethod 4500F	P E-2011					
	Result	Qualifier	RDI	Dilution	Analysis	Batch	

date / time

03/04/2017 08:57

WG957743

mg/l

0.0250

ND

SAMPLE RESULTS - 12

*

Gravimetric Analysi	s by Method	2540 D-201	1				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Suspended Solids	16.0		2.50	1	03/07/2017 10:10	<u>WG957817</u>	
Wet Chemistry by N	Method 351.2						3
	Result	Qualifier	RDL	Dilution	Analysis	Batch	L
Analyte	mg/l		mg/l		date / time		4
Kjeldahl Nitrogen, TKN	0.766		0.250	1	03/09/2017 01:15	WG959144	
Wet Chemistry by N	Method 353.2						5
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	0.334		0.100	1	03/08/2017 11:30	WG958345	
Wet Chemistry by N	Aethod 365.4						/
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	ND		0.100	1	03/08/2017 15:50	WG957658	9
Wet Chemistry by N	Nethod 4500	P E-2011					L
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

03/04/2017 08:57

WG957743

0.0250

SAMPLE RESULTS - 13

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Gravimetric Analysi	s by Method .	2540 D-20					1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	15.0		2.50	1	03/07/2017 10:10	<u>WG957817</u>	
Wet Chemistry by N	/lethod 351.2						3
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4
Kjeldahl Nitrogen, TKN	0.345		0.250	1	03/09/2017 01:17	WG959144	
Wet Chemistry by N	lethod 353.2						5
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	0.671		0.100	1	03/08/2017 11:31	WG958345	
Wet Chemistry by N	/lethod 365.4						/
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	0.208		0.100	1	03/08/2017 15:52	WG957658	9
Wet Chemistry by N	lethod 4500	P E-2011					L
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

03/04/2017 08:57

WG957743

0.0250

1

0.127

ND

SAMPLE RESULTS - 14

*

	s by Method .	2540 D-20					1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Suspended Solids	11.2		2.50	1	03/07/2017 10:10	<u>WG957817</u>	
Wet Chemistry by N	Nethod 351.2						3
	Result	Qualifier	RDL	Dilution	Analysis	Batch	L
Analyte	mg/l		mg/l		date / time		2
Kjeldahl Nitrogen, TKN	0.673		0.250	1	03/09/2017 01:20	WG959144	
Wet Chemistry by N	Nethod 353.2						Ę
	Result	Qualifier	RDL	Dilution	Analysis	Batch	e
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	0.269		0.100	1	03/08/2017 11:32	WG958345	
Wat Chamistry by N	Acthod 365 A						2
Wet Chemistry by N		- 11 1	221				L
• • •	Result	Qualifier	RDL	Dilution	Analysis	Batch	2
Analyte	mg/I		mg/I		date / time		
Phosphorus, I otal	ND		0.100	1	03/08/201/ 16:26	<u>W695/658</u>	·
Wet Chemistry by N	Nethod 4500F	P E-2011					L
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

03/04/2017 08:58

WG957743

0.0250

ND

SAMPLE RESULTS - 15

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Gravimetric Analysi	is by Method .	2540 D-20					1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	14.4		2.50	1	03/07/2017 10:10	<u>WG957817</u>	Т
Wet Chemistry by N	Method 351.2						³ S
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4
Kjeldahl Nitrogen, TKN	0.514		0.250	1	03/09/2017 01:21	WG959144	
Wet Chemistry by N	Method 353.2						⁵ S
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		°C
Nitrate-Nitrite	0.357		0.100	1	03/08/2017 11:33	<u>WG958345</u>	
Wet Chemistry by N	Nethod 365.4						<i>′</i>
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		<i>F</i>
Phosphorus, Total	ND		0.100	1	03/08/2017 16:28	WG957658	9
Wet Chemistry by N	Method 4500	⊃ E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

03/04/2017 08:58

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0.0250

ND

SAMPLE RESULTS - 16

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Gravimetric Analysi	s by Method 2	2540 D-20 [°]	11				1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	13.0		2.50	1	03/07/2017 10:10	<u>WG957817</u>	ĹΤ
Wet Chemistry by N	Nethod 351.2						³ S
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4
Kjeldahl Nitrogen, TKN	0.491		0.250	1	03/09/2017 01:24	WG959144	
Wet Chemistry by N	Nethod 353.2						⁵ S
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		Č
Nitrate-Nitrite	0.118	B	0.100	1	03/08/2017 11:34	WG958345	
Wet Chemistry by N	/lethod 365.4						⁷ G
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		A
Phosphorus,Total	ND		0.100	1	03/08/2017 16:29	<u>WG957658</u>	9
Wet Chemistry by N	/lethod 4500F	P E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

03/04/2017 08:58

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0.0250

ND

SAMPLE RESULTS - 17

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	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Suspended Solids	15.6		2.50	1	03/07/2017 10:10	<u>WG957817</u>	
Wet Chemistry by N	Nethod 351.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Kjeldahl Nitrogen, TKN	0.649		0.250	1	03/09/2017 01:25	WG959144	
Wet Chemistry by N	Aethod 353.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	0.237		0.100	1	03/08/2017 11:39	WG958345	
Wet Chemistry by N	/lethod 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	0.135	<u>P1</u>	0.100	1	03/08/2017 16:30	WG957658	
Wet Chemistry by N	Nethod 4500F	P E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

03/04/2017 11:09

WG957202

0.0250

ND

SAMPLE RESULTS - 18 L893513

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	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/I		mg/l		date / time		
Suspended Solids	17.0		2.50	1	03/07/2017 10:10	<u>WG957817</u>	
Wet Chemistry by I	Method 351.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Kjeldahl Nitrogen, TKN	0.733		0.250	1	03/09/2017 01:27	WG959144	
Wet Chemistry by I	Method 353.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	0.272		0.100	1	03/08/2017 11:40	WG958345	
Wet Chemistry by I	Method 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Phosphorus,Total	ND		0.100	1	03/08/2017 16:33	<u>WG957658</u>	
Wet Chemistry by I	Method 4500F	P E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

03/04/2017 11:11

WG957202

0.0250

ND

SAMPLE RESULTS - 19 L893513

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Gravimetric Analysi	s by Method .	2540 D-20					1
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Suspended Solids	57.1		2.50	1	03/07/2017 10:10	<u>WG957817</u>	
Wet Chemistry by N	Nethod 351.2						3
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4
Kjeldahl Nitrogen, TKN	0.969		0.250	1	03/09/2017 01:28	WG959144	
Wet Chemistry by N	Nethod 353.2						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		
Nitrate-Nitrite	0.334		0.100	1	03/08/2017 11:41	<u>WG958345</u>	
Wet Chemistry by N	Nethod 365.4						
	Result	Qualifier	RDL	Dilution	Analysis	Batch	5
Analyte	mg/l		mg/l		date / time		
Phosphorus, Total	0.115		0.100	1	03/08/2017 16:34	<u>WG957658</u>	ç
Wet Chemistry by N	Nethod 4500	P E-2011					L
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

03/04/2017 08:59

WG957743

0.0250

SAMPLE RES	ULTS - 20	ONE LAB. NATIONWIDE.	*
D11			1
RDL Dilution	Analysis	Batch	Ср
mg/l	date / time		2
2.50 1	03/07/2017 10:10	<u>WG957817</u>	Tc
			³ Ss
RDL Dilution	Analysis	Batch	
mg/l	date / time		⁴ Cn
0.250 1	03/09/2017 01:30	WG959144	CII
			⁵Sr
RDL Dilution	Analysis	Batch	6
mg/l	date / time		[°] Qc
0.100 1	03/08/2017 11:42	WG958345	
			⁷ Gl
	• • •		
RDL Dilution	Analysis	Batch	Å
mg/i	date / time		
0.100 1	03/08/201/ 16:35	WG957658	⁹ SC
	SAMPLE RES L8935 D11 Initian RDL Dilution mg/l 1 2.50 1 RDL Dilution mg/l 0.250 RDL Dilution mg/l 0.100 RDL Dilution mg/l 0.100 0.100 1	SAMPLE RESULTS - 20 D11 Image: Segment of the	RDL Dilution Analysis Batch mg/l 03/07/2017 10:10 WG957817 RDL Dilution Analysis Batch mg/l 03/07/2017 10:10 WG957817 RDL Dilution Analysis Batch mg/l 03/09/2017 01:30 WG959144 RDL Dilution Analysis Batch mg/l date / time UG959144 RDL Dilution Analysis Batch mg/l date / time UG959144 RDL Dilution Analysis Batch mg/l date / time UG958345 RDL Dilution Analysis Batch mg/l 1 03/08/2017 11:42 WG958345 N100 1 03/08/2017 16:35 WG957658

	Result	Qualifier	RDL	Dilution	Analysis	Batch
Analyte	mg/l		mg/l		date / time	
Phosphate, Ortho	ND		0.0250	1	03/04/2017 09:02	WG957743

0.210

SAMPLE RESULTS - 21

*

	s by Method .	2340 D-20					¹ (
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		2
Suspended Solids	46.0		2.50	1	03/08/2017 03:38	<u>WG957818</u>	Г
Wet Chemistry by N	Nethod 351.2						3
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		4
Kjeldahl Nitrogen, TKN	0.449		0.250	1	03/09/2017 01:33	<u>WG959144</u>	
Wet Chemistry by N	Nethod 353.2						55
	Result	Qualifier	RDL	Dilution	Analysis	Batch	6
Analyte	mg/l		mg/l		date / time		°C
Nitrate-Nitrite	1.06	J6	0.100	1	03/07/2017 17:20	WG958347	
Wet Chemistry by N	Aethod 365.4						⁷ C
	Result	Qualifier	RDL	Dilution	Analysis	Batch	8
Analyte	mg/l		mg/l		date / time		4
Phosphorus, Total	0.297		0.100	1	03/08/2017 16:37	WG957658	9
Wet Chemistry by N	Nethod 4500F	⊃ E-2011					
	Result	Qualifier	RDL	Dilution	Analysis	Batch	
Analyte	mg/l		mg/l		date / time		

0.0250

1

03/04/2017 09:02

WG957743

Gravimetric Analysis by Method 2540 D-2011

QUALITY CONTROL SUMMARY <u>L893513-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20</u>

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Method Blank (MB)

(MB) R3201795-1 03/07/1	7 10:10			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Suspended Solids	U		0.350	2.50

L893513-04 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-04 03/07/17	10:10 • (DUP) R	3201795-5 03				
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
6 1 1 6 1: 1	4.60	1 OF	1	5.26	D1	2

L893513-20 Original Sample (OS) • Duplicate (DUP)

L095515-20 Oligina	a Sample (03) • Dupi	icale (L	JOF)			7
(OS) L893513-20 03/07/17	10:10 • (DUP) F	83201795-4 03	3/07/17 10:	:10			GI
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits	
Analyte	mg/l	mg/l		%		%	⁸ Al
Suspended Solids	58.0	59.5	1	2.55		5	

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3201795-2 03/07/1	7 10:10 • (LCSD) R3201795-3	03/07/17 10:10							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Suspended Solids	773	764	736	98.8	95.2	85.0-115			3.73	5

DATE/TIME: 03/13/17 15:57

Gravimetric Analysis by Method 2540 D-2011

QUALITY CONTROL SUMMARY L893513-21

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Method Blank (MB)

(MB) R3201959-1 03/08/17	7 03:38			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Suspended Solids	U		0.350	2.50

L893520-03 Original Sample (OS) • Duplicate (DUP)

(OS) L893520-03 03/08/	17 03:38 • (DUP)) R3201959-4	03/08/17	03:38		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Suspended Solids	1110	1130	1	1.79		5

L893544-08 Original Sample (OS) • Duplicate (DUP)

L693544-06 Oligili	al Sample	(OS) • Dup	incate (i	DUP)			7				
(OS) L893544-08 03/08/17 03:38 • (DUP) R3201959-5 03/08/17 03:38											
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits					
Analyte	mg/l	mg/l		%		%	⁸ Al				
Suspended Solids	16.3	17.0	1	4.51		5					

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3201959-2 03/08/1	LCS) R3201959-2 03/08/17 03:38 • (LCSD) R3201959-3 03/08/17 03:38												
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits			
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%			
Suspended Solids	773	852	864	110	112	85.0-115			1.40	5			

SDG: L893513

DATE/TIME: 03/13/17 15:57 PAGE: 31 of 47

Wet Chemistry by Method 351.2

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3201590-1 03/06/17 19:42							
	MB Result	MB Qualifier	MB MDL	MB RDL			
Analyte	mg/l		mg/l	mg/l			
Kjeldahl Nitrogen, TKN	0.0567	Ţ	0.035	0.250			

L893513-01 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-01 03/06/17	19:47 • (DUP) R	3201590-4 0	3/06/17 19	:48		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Kjeldahl Nitrogen, TKN	0.529	0.428	1	21	<u>P1</u>	20

L893493-01 Original Sample (OS) • Duplicate (DUP)

(OS) L893493-01 03/06/17 20:03 • (DUP) R3201590-8 03/06/17 20:04											
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits					
Analyte	mg/l	mg/l		%		%					
Kjeldahl Nitrogen, TKN	4.13	3.28	1	23	J3	20					

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3201590-2 03/06/1	LCS) R3201590-2 03/06/17 19:43 • (LCSD) R3201590-3 03/06/17 19:44													
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits				
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%				
Kjeldahl Nitrogen, TKN	10.0	9.99	9.80	100	98	90-110			2	20				

L893309-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L893309-01 03/06/17 20:14 • (MS) R3201590-5 03/06/17 19:49											
	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier				
Analyte	mg/l	mg/l	mg/l	%		%					
Kjeldahl Nitrogen, TKN	5.00	2.82	6.25	69	1	90-110	<u>J6</u>				

L893325-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893325-01 03/06/17 20:00 • (MS) R3201590-6 03/06/17 20:01 • (MSD) R3201590-7 03/06/17 20:02													
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits	
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%	
Kjeldahl Nitrogen, TKN	5.00	5.84	10.9	10.2	101	87	1	90-110		J6	7	20	

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QUALITY CONTROL SUMMARY

Wet Chemistry by Method 351.2

L893309-01 Original Sample (OS) • Matrix Spike (MS) (OS) L893309-01 03/06/17 20:14 • (MS) R3201590-9 03/06/17 20:15 Spike Amount Original Result MS Result MS Rec. Dilution Rec. Limits MS Qualifier % Analyte mg/l mg/l mg/l % 6.26 69 2.82 <u>J6</u> Kjeldahl Nitrogen, TKN 5.00 1 90-110

ACCOUNT: S&ME - Huntsville

Wet Chemistry by Method 351.2

QUALITY CONTROL SUMMARY 1893513-02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20,21

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Method Blank (MB)

(MB) R3201961-1 03/09/17 00:53								
	MB Result	MB Qualifier	MB MDL	MB RDL				
Analyte	mg/l		mg/l	mg/l				
Kjeldahl Nitrogen, TKN	U		0.035	0.250				

L893513-02 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-02 03/09/17 00:58 • (DUP) R3201961-4 03/09/17 00:59											
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits					
Analyte	mg/l	mg/l		%		%					
Kjeldahl Nitrogen, TKN	0.342	0.356	1	4		20					

L893513-17 Original Sample (OS) • Duplicate (DUP)

Logoolo-I/ Oliginal													
(OS) L893513-17 03/09/17	CS) L893513-17 03/09/17 01:25 • (DUP) R3201961-8 03/09/17 01:26												
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits							
Analyte	mg/l	mg/l		%		%	⁸ Al						
Kjeldahl Nitrogen, TKN	0.649	0.612	1	6		20							

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3201961-2 03/09/1	7 00:54 • (LCSI	D) R3201961-3	03/09/17 00:5	5						
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Kjeldahl Nitrogen, TKN	10.0	10.6	10.2	106	102	90-110			4	20

L893513-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893513-09 03/09/17	01:09 • (MS) R	3201961-5 03/	09/17 01:11 • (M	SD) R3201961-(6 03/09/17 01:1	12						
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Kjeldahl Nitrogen, TKN	5.00	0.509	5.52	5.48	100	99	1	90-110			1	20

L893513-15 Original Sample (OS) • Matrix Spike (MS)

(OS) L893513-15 03/09/17	01:21 • (MS) R3	201961-7 03/0	9/17 01:23				
	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Kjeldahl Nitrogen, TKN	5.00	0.514	5.47	99	1	90-110	

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Wet Chemistry by Method 353.2

QUALITY CONTROL SUMMARY <u>L893513-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20</u>

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Method Blank (MB)

(MB) R3201761-1 03/08/	/17 11:00			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Nitrate-Nitrite	0.02	J	0.0197	0.100

L893513-01 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-01 03/08/17	11:05 • (DUP) R	3201761-4 03	/08/17 11:0	6		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	1.08	1.06	1	1		20

L893513-08 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-08 03/08/17	' 11:18 • (DUP) R	3201761-6 03/	/08/17 11:19	Ð		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	0.267	0.244	1	9		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3201761-2 03/08/17	7 11:01 • (LCSD)	R3201761-3 03	8/08/17 11:02							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Nitrate-Nitrite	5.00	4.50	4.97	90	99	90-110			10	20

L893513-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L893513-02 03/08/17	11:07 • (MS) R3	201761-5 03/0	8/17 11:08				
	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Analyte	mg/l	mg/l	mg/l	%		%	
Nitrate-Nitrite	5.00	0.284	3.86	72	1	90-110	J6

L893513-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893513-09 03/08/17	' 11:20 • (MS) R3	3201761-7 03/0)8/17 11:21 • (MS	D) R3201761-8	03/08/17 11:27	,						
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate-Nitrite	5.00	0.250	3.76	3.68	70	69	1	90-110	J6	<u>J6</u>	2	20

ACCOUNT:	PROJECT:	SDG:	DATE/TIME:	PAGE:
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Wet Chemistry by Method 353.2

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3201587-1 03	3/07/17 17:04			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Nitrate-Nitrite	U		0.0197	0.100

L893505-01 Original Sample (OS) • Duplicate (DUP)

(OS) L893505-01 03/07/17	7 17:11 • (DUP) R	3201587-4 03	/07/17 17:1	2		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Nitrate-Nitrite	ND	0.000	1	0		20

L893544-01 Original Sample (OS) • Duplicate (DUP)

(OS) L893544-01 03/07/17 17:24 • (DUP) R3201587-6 03/07/17 17:25										
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits				
Analyte	mg/l	mg/l		%		%				
Nitrate-Nitrite	ND	0.0300	1	0		20				

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3201587-2 03/07/17 17:05 • (LCSD) R3201587-3 03/07/17 17:06										
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Nitrate-Nitrite	5.00	4.58	5.35	92	107	90-110			16	20

L893513-21 Original Sample (OS) • Matrix Spike (MS)

DS) L893513-21 03/07/17 17:20 • (MS) R3201587-5 03/07/17 17:21									
	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier		
Analyte	mg/l	mg/l	mg/l	%		%			
Nitrate-Nitrite	5.00	1.06	5.15	82	1	90-110	<u>J6</u>		

L893544-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893544-04 03/07/17 17:32 • (MS) R3201587-7 03/07/17 17:33 • (MSD) R3201587-8 03/07/17 17:34												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Nitrate-Nitrite	5.00	ND	3.95	4.02	78	79	1	90-110	<u>J6</u>	<u>J6</u>	2	20

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Wet Chemistry by Method 365.4

QUALITY CONTROL SUMMARY 1893513-02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20,21

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Method Blank (MB)

(MB) R3201895-2 03/08/17 15:26								
	MB Result	MB Qualifier	MB MDL	MB RDL				
Analyte	mg/l		mg/l	mg/l				
Phosphorus,Total	U		0.035	0.100				

L893513-02 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-02 03/08/17	7 15:31 • (DUP) F	3201895-5 0	3/08/17 15	:33		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Phosphorus, Total	ND	0.000	1	0		20

L893513-17 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-17 03/08/17 16:30 • (DUP) R3201895-8 03/08/17 16:31									
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits			
Analyte	mg/l	mg/l		%		%			
Phosphorus, Total	0.135	0.0434	1	103	P1	20			

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3201895-3 03/08/17 15:27 • (LCSD) R3201895-4 03/08/17 15:29										
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Phosphorus,Total	2.00	1.85	1.83	93	92	90-110			1	20

L893513-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893513-09 03/08/17 15:44 • (MS) R3201895-6 03/08/17 15:45 • (MSD) R3201895-7 03/08/17 15:47												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Phosphorus, Total	2.50	ND	2.32	2.23	90	86	1	90-110		<u>J6</u>	4	20

ACCOUNT:										
S&ME - Huntsville										

PROJECT: 4482-15-043

SDG: L893513 DATE/TIME: 03/13/17 15:57 PAGE: 37 of 47

Wet Chemistry by Method 365.4

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3201529-4 03/07/	/17 13:12			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Phosphorus,Total	0.0397	Ţ	0.035	0.100

L893513-01 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-01 03/07/17	13:41 • (DUP) R3	3201529-9 03	3/07/17 13:4	42		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Phosphorus, Total	0.373	0.495	1	28	P1	20

L893493-01 Original Sample (OS) • Duplicate (DUP)

L893493-01 Oligina	a Sample (03) • Dupi	icale (L	JOF)			7
(OS) L893493-01 03/07/17	14:19 • (DUP) R	3201529-10 0	3/07/17 14	1:20			GI
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits	
Analyte	mg/l	mg/l		%		%	⁸ Al
Phosphorus, Total	8.66	8.68	2	0		20	

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3201529-5 03/07/1	17 13:13 • (LCSD) R3201529-6	03/07/17 13:14							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Phosphorus, Total	2.00	1.93	1.91	97	96	90-110			1	20

L893325-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893325-01 03/07/17	13:28 • (MS) R3	3201529-7 03/	07/17 13:29 • (N	ISD) R3201529	9-8 03/07/17 13	3:31						
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Phosphorus, Total	2.50	0.334	2.57	2.53	89	88	1	90-110	<u>J6</u>	<u>J6</u>	2	20

ACCOUNT:	
S&ME - Huntsville	

PROJECT: 4482-15-043

SDG: L893513 DATE/TIME: 03/13/17 15:57 PAGE: 38 of 47

Wet Chemistry by Method 4500P E-2011

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3201004-1 03	(MB) R3201004-1 03/04/17 11:03									
	MB Result	MB Qualifier	MB MDL	MB RDL						
Analyte	mg/l		mg/l	mg/l						
Phosphate,Ortho	U		0.009	0.0250						

L893513-17 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-17 03/04/17	11:09 • (DUP) R3	3201004-4 03	8/04/17 11:0)9		
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Phosphate,Ortho	ND	ND	1	0		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3201004-2 03/04/1	7 11:04 • (LCSD) R3201004-3	03/04/17 11:04							
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Phosphate,Ortho	0.750	0.701	0.701	93	93	85-115			0	20

L893513-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893513-18 03/04/17	11:11 • (MS) R320	01004-5 03/04	1/17 11:13 • (MSD) R3201004-6	03/04/17 11:13							
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Phosphate,Ortho	0.500	ND	0.490	0.495	94	95	1	80-120			1	20

SDG: L893513 DATE/TIME: 03/13/17 15:57

Wet Chemistry by Method 4500P E-2011

QUALITY CONTROL SUMMARY 1893513-02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,19,20,21

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Method Blank (MB)

(MB) R3200986-1 03/04/1	7 08:49			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Phosphate,Ortho	U		0.009	0.0250

L893513-02 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-02 03/04/17	7 08:51 • (DUP)	R3200986-4				
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/l	mg/l		%		%
Phosphate,Ortho	ND	ND	1	0		20

L893513-20 Original Sample (OS) • Duplicate (DUP)

-2895315-20 Original Sample (OS) • Duplicate (DOP)								
(OS) L893513-20 03/04/17	(OS) L893513-20 03/04/17 09:02 • (DUP) R3200986-7 03/04/17 09:02							
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits		
Analyte	mg/l	mg/l		%		%	⁸ Al	
Phosphate,Ortho	ND	ND	1	0		20		

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3200986-2 03/04/17 08:49 • (LCSD) R3200986-3 03/04/17 08:50										
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Phosphate,Ortho	0.750	0.686	0.709	91	95	85-115			3	20

L893513-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893513-03 03/04/17 08:52 • (MS) R3200986-5 03/04/17 08:52 • (MSD) R3200986-6 03/04/17 08:53												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Phosphate,Ortho	0.500	ND	0.462	0.452	88	86	1	80-120			2	20

ACCOUNT:						
S&ME - Huntsville						

PROJECT: 4482-15-043

SDG: L893513 DATE/TIME: 03/13/17 15:57 PAGE: 40 of 47

Wet Chemistry by Method 4500P E-2011

QUALITY CONTROL SUMMARY

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Method Blank (MB)

(MB) R3202395-1 03/10/1	7 10:26			
	MB Result	MB Qualifier	MB MDL	MB RDL
Analyte	mg/l		mg/l	mg/l
Phosphate,Ortho	U		0.009	0.0250

L894770-05 Original Sample (OS) • Duplicate (DUP)

(OS) L894770-05 03/10/17 10:26 • (DUP) R3202395-2 03/10/17 10:26								
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits		
Analyte	mg/l	mg/l		%		%		
Phosphate,Ortho	ND	ND	1	0		20		

L893513-01 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-01 03/10/17 10:40 • (DUP) R3202395-7 03/10/17 10:40								
	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits		
Analyte	mg/l	mg/l		%		%		
Phosphate,Ortho	0.267	0.267	1	0		20		

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3202395-3 03/10/17 10:32 • (LCSD) R3202395-4 03/10/17 10:33										
	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	%	%	%			%	%
Phosphate,Ortho	0.750	0.841	0.841	112	112	85-115			0	20

L894770-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L894770-08 03/10/17 10:38 • (MS) R3202395-5 03/10/17 10:39 • (MSD) R3202395-6 03/10/17 10:39												
	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/l	mg/l	mg/l	mg/l	%	%		%			%	%
Phosphate,Ortho	0.500	ND	0.596	0.593	117	117	1	80-120			1	20

ACCOUNT:						
S&ME - Huntsville						

PROJECT: 4482-15-043

SDG: L893513 DATE/TIME: 03/13/17 15:57 PAGE: 41 of 47

GLOSSARY OF TERMS

*

	Abbreviations	and	Definitions
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SDG	Sample Delivery Group.
MDL	Method Detection Limit.
RDL	Reported Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
U	Not detected at the Reporting Limit (or MDL where applicable).
RPD	Relative Percent Difference.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Rec.	Recovery.

Qualifier	Description
В	The same analyte is found in the associated blank.
J	The identification of the analyte is acceptable; the reported value is an estimate.
J3	The associated batch QC was outside the established quality control range for precision.
Je	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
P1	RPD value not applicable for sample concentrations less than 5 times the reporting limit.

ACCREDITATIONS & LOCATIONS

ESC Lab Sciences is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our "one location" design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be **YOUR LAB OF CHOICE.** * Not all certifications held by the laboratory are applicable to the results reported in the attached report.

State Accreditations

Alabama	40660	Nevada	TN-03-2002-34
Alaska	UST-080	New Hampshire	2975
Arizona	AZ0612	New Jersey-NELAP	TN002
Arkansas	88-0469	New Mexico	TN00003
California	01157CA	New York	11742
Colorado	TN00003	North Carolina	Env375
Conneticut	PH-0197	North Carolina ¹	DW21704
Florida	E87487	North Carolina ²	41
Georgia	NELAP	North Dakota	R-140
Georgia ¹	923	Ohio-VAP	CL0069
Idaho	TN00003	Oklahoma	9915
Illinois	200008	Oregon	TN200002
Indiana	C-TN-01	Pennsylvania	68-02979
lowa	364	Rhode Island	221
Kansas	E-10277	South Carolina	84004
Kentucky ¹	90010	South Dakota	n/a
Kentucky ²	16	Tennessee 14	2006
Louisiana	AI30792	Texas	T 104704245-07-TX
Maine	TN0002	Texas ⁵	LAB0152
Maryland	324	Utah	6157585858
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	109
Minnesota	047-999-395	Washington	C1915
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	9980939910
Montana	CERT0086	Wyoming	A2LA
Nebraska	NE-OS-15-05		

Third Party & Federal Accreditations

A2LA – ISO 17025	1461.01	AIHA	100789
A2LA – ISO 17025 ⁵	1461.02	DOD	1461.01
Canada	1461.01	USDA	S-67674
EPA-Crypto	TN00003		

¹ Drinking Water ² Underground Storage Tanks ³ Aquatic Toxicity ⁴ Chemical/Microbiological ⁵ Mold ^{n/a} Accreditation not applicable

Our Locations

ESC Lab Sciences has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. ESC Lab Sciences performs all testing at our central laboratory.



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Appendix J – Etowah County (ALR0400009)

Appendix J-1 – Etowah County Figures



Appendix J-2 – Etowah County Control Measure Tables
	ETOWAH COUNTY								
	CONTROL MEASURE 1 - PUBLIC EDUCATION AND OUTREACH See Section 10.1 of the SWMP								
ACTIVITY NO.	STRATEGIES	2016-2017 IMPLEMENTATION STATUS	2017-2018 PROPOSED EFFORTS	SUPPORTING DOCUMENTATION	COMMENTS	PROPOSED CHANGES			
1	Storm Water Web Page: Update the Storm Water web page on the Etowah County website	The County maintained information on Storm Water Management on the web page. Nothing new has been added to the web page. 51 views were recorded for the webpage.	The County will maintain the webpage by adding additional information such as articles, pictures, and links to the web page.	The County Website, Engineering webpage, and the web site recorded hit information are attached. (See Document Sets 1-1 and 1-2)	http://etowahcounty.org/engineering/sto rm-water/	NO			
2	Annual Report and SWMPP Availability: Provide the SWMPP and current Annual Report for public viewing on the County's website	The 2017 SWMPP nor the current Annual Report has not been added to the webpage. 51 views were recorded for the webpage.	The City will provide the 2017 SWMPP and the current Annual Report for public viewing on the City's website.	The County Website, Engineering webpage, and the web site recorded hit information are attached. (See Document Sets 1-1 and 1-2)	http://etowahcounty.org/engineering/sto rm-water/	NO			
3	Partnerships in Educational and Public Involvement Events: Partner with Keep Etowah Beautiful, Clean Water Partnership of Alabama, and Alabama Power to distribute educational material and promote events	The County participated and/or contributed monetarily in the following events that were held: Renew Our Rivers, Message in a Bottle, and the Water Festival	The County will partnership efforts and participation in community events.	See Activities 3a, 5, and 11.		NO			
3a	Partnerships in Educational and Public Involvement Events: Message in a Bottle	Promoted by Etowah County's funding of Keep Etowah Beautiful. The event is a competition for students with winners being announced at an annual awards breakfast.	The County will partnership efforts and participation in community events.	Participation totals and award ceremony information is attached. (See Document Sets 1-3 and 1-4)	120 Volunteers 854 K-12 Grade Students 53 Teachers	NO			
4	Water Quality Awareness Week: Promote an annual Water Quality Awareness Week through County resources	October 31 - November 3, 2016 The week is promoted in conjunction with Renew our Rivers to encourage participation of more volunteers.	The County will promote the 2017 Water Quality Awareness Week.	Renew our Rivers participation totals, news articles, email documentation, and agenda for event are attached. (See Document Sets 1-3 and 1-5)		NO			
5	Etowah County Water Festival: Annually promote and participate in an annual Etowah County Water Festival	The County participated in the 2016 Etowah County Water Festival. Event was promoted by Keep Etowah Beautiful. 11 County employees participated in the event.	The County will participate in and promote the 2017 Etowah County Water Festival.	Volunteer information, news articles, and memorandum of details are attached. (See Document Sets 1-3 and 1-6)	83 Adult Volunteers, 255 Student presenters and Tour Guides, 64 - 4th Grade Teachers, 1207 - 4th Grade Students	NO			
6	Partner with the Etowah County NRCS: Partner with NRCS to educate and assist agricultural land users within the county on how agricultural runoff contributes to organic enrichment and excess nutrient loading in Lake Neely Henry	3 people referred to the NRCS Approximately 200-250 of educational materials distributed by the NRCS	Etowah County will partner with NRCS.	Educational materials are attached. (See Document Set 1-7)	NRCS has educational materials available in their office. The County points citizens to the NRCS for additional information.	NO			

	ETOWAH COUNTY CONTROL MEASURE 1 - PUBLIC EDUCATION AND OUTREACH								
	See Section 10.1 of the SWMP								
NO.	STRATEGIES	IMPLEMENTATION STATUS	PROPOSED EFFORTS	SUPPORTING DOCUMENTATION	COMMENTS	CHANGES			
7	Gadsden - Etowah MS4 Steering Committee Meetings: Coordinate and/or participate in meetings as a committee member for entity updates, networking and coordination of activities and BMP strategies	Robert Nail attended the meeting held on July 28, 2016.	Quarterly Meetings will be held in 2017-2018 reporting period.	Agenda and attendance records for the meeting is attached. (See Document Set 1-8)		NO			
8	Educational Materials on Construction Site Storm Water Impacts: Provide the educational pamphlet to individuals requesting building/development permits	0 permits issued during the reporting period. 0 Educational materials provided to permittees	The County will provide educational materials to individuals requesting building/development permits.	Educational materials are attached. (See Document Set 1-9)		NO			
9	Public Reporting and Tracking System: Provide a contact number on the County's Storm Water Management webpage for the public to provide input on the development, revision, and implementation of the SWMPP	0 inquiries received 0 complaints addressed 0 reports contained required information to find and address the suspected problem	The County will publicize the reporting number on the County's website and track received reports and the County's responses to the received reports. The County will evaluate the current public reporting and tracking methods.	Web page report form are attached. (See Document Set 1-2)		NO			
10	No Dumping Signs: Maintain signs and place additional signs in problem areas as necessary	Signs are placed upon request. If signs are ineffective, the litter enforcement agent becomes involved. If the area continues to have litter issues, it is considered for surveillance. The County has two cameras that are rotated to different areas on an as needed basis.	The County will continue to place or maintain these signs in problem areas.	Pictures of the sign and typical placement are attached. (See Document Set 1-10)	The County maintains approximately 50 signs. The County maintains "No Dumping \$500 fine" signs and these No Dumping areas are under video surveillance signs. These are put out in the County through Keep Etowah Beautiful as part of the effort to eliminate/reduce unauthorized disposal of waste.	NO			
11	Renew Our Rivers: Partner with Keep Etowah Beautiful and Alabama Power	October 31 - November 3, 2016 The County advertised/promoted the event through various media publications. The County participated through the use of inmate labor. The County Road Department used County equipment and employees to haul and properly dispose of removed debris and tires	In the 2017 SWMPP, the City has revised this strategy to be included in Strategy 3.	News articles, email documentation, agenda for event are attached. (See Document Sets 1-3 and 1-5)	932 total participants for event.8.4 tons collected in 2016 event for entire county.217 Car Tires, 49 Truck Tires, 1 Tractor Tire	NO			
12	Additional Strategy: Free Garbage Disposal Days	Advanced Disposal had open-top containers at several locations across the County on February 4, 2017, May 7, 2016, August 6, 2016, and November 5, 2016 for residents in unincorporated areas of the County.	COMPLETED	Public Notices for each date and garbage collection schedule are attached. (See Document Set 1-11)		NO			
13	Additional Strategy: Drug Collection Day	The County sponsors a Drug Collection Day at the East Gadsden, Alabama Wal- Mart on Saturday, October 22, 2016 and advertised the event on the County website and on Nixle.	COMPLETED	Newspaper articles with advertisements are attached. (See Document Set 1-12)		NO			

	ETOWAH COUNTY								
	CONTROL MEASURE 1 - PUBLIC EDUCATION AND OUTREACH								
ACTIVITY NO.	STRATEGIES	2016-2017 IMPLEMENTATION STATUS	2017-2018 PROPOSED EFFORTS	SUPPORTING DOCUMENTATION	COMMENTS	PROPOSED CHANGES			
14	Additional Strategy: Adopt-A-Mile Program	The County provides trash bags for cleanup, maintains the Adopt-A-Mile signs, and disposes of the garbage collected.	COMPLETED	PALS program brochure, County Adopt-A- Mile policy, and photo of example sign are attached. (See Document Sets 1-13 and 1-14)		NO			
15	Additional Strategy: Roadway Garbage Pickup	The County utilizes County inmates to collect trash along the County highways throughout the year.	COMPLETED	The Prisoner Yearly Cleanup Report is attached. (See Document Set 1-15)		NO			
16	Additional Strategy: ALDOT MS4 Program meetings	Will Vaughn attended the ALDOT MS4 meeting on January 19, 2017 . The purpose of these meeting was to share information and network.	COMPLETED	Sign in sheets and agenda are attached. (See Document Set 1-16)		NO			

ETOWAH COUNTY									
	CONTROL MEASURE 2 - ILLICIT DISCHARGE DETECTION AND ELIMINATION								
ACTIVITY NO.	STRATEGIES	2016-2017 IMPLEMENTATION STATUS	2017-2018 PROPOSED EFFORTS	SUPPORTING DOCUMENTATION	COMMENTS	PROPOSED CHANGES			
1	Identify Priority Areas: Re-evaluate the drainage basins and determine the Priority Areas for the reporting period	3 drainage basins have been identified and IDP Assessment performed on each basin 1 Priority Areas were identified based on population density 0 drainage basins newly listed as a priority area 0 drainage basins de-listed from priority area list	The County will re-evaluate the drainage basins and determine the Priority Areas for the reporting period.	Whorton Bend was determined to be the Priority Area based on population density. This area is the peninsula off of Highway 411.		NO			
2	Outfall Identification: Implement a stream-walking program to identify outfalls and map a portion of water bodies that receive discharge from the MS4 20% of 35.16 miles of stream inventory is 7.0 miles per reporting period	0 outfalls were identified 3 miles of streams were walked	The County will identify outfalls through the stream walking program and map water bodies. The County has 29.16 miles remaining to walk within the MS4 boundaries.	A table of identified outfalls and a map are attached. (See Document Sets 2-1 and 2-2)	Field observations are maintained at the Etowah County Engineering office.	NO			
3	Probable Outfall Verification: Add probable outfalls to the GIS database and label as unverified. Verify outfalls within 18 months	0 probable outfalls identified 0 outfalls verified	Probable outfalls identified will be added to the storm water system map and verified as identified.		Field observations are maintained at the Etowah County Engineering office.	NO			
4	Outfall Reconnaissance Inventory: Conduct dry weather monitoring of 20% of major outfalls in Priority Areas	The County inspected 10 of the 28 identified major outfalls in Priority Areas. This is 35.7% of the major outfalls.	The County will conduct dry weather monitoring of 20% of major outfalls in Priority Areas.	Summary of results of ORI activities including a list of outfalls inspected is attached. (See Document Set 2-3)	Field observations are maintained at the Etowah County Engineering office.	NO			
4a	Outfall Reconnaissance Inventory: Conduct dry weather monitoring of 15% of all known outfalls	The County inspected 10 of the 47 known outfalls. This is 21.3% of the known outfalls.	The County will conduct dry weather monitoring of 15% of all known outfalls.	Summary of results of ORI activities including a list of outfalls inspected is attached. (See Document Set 2-3)	Field observations are maintained at the Etowah County Engineering office.	NO			
5	Suspect Discharge Sampling: Field crews will collect samples of suspected illicit discharges for laboratory analysis	0 identified dry weather flows 0 suspect discharges 0 samples collected 0 confirmed illicit discharges	Field crews will collect samples of suspected illicit discharges for laboratory analysis.	A completed ORI form is attached. (See Document Set 2-4)	Field observations are maintained at the Etowah County Engineering office.	NO			
6	Outfall Ranking: Designate the inspected outfalls as having obvious, suspect, possible, or unlikely discharge potential based on data from each ORI Field Sheet	10 outfalls inspected 0 outfalls required further investigation	Designate the inspected outfalls as having obvious, suspect, possible, or unlikely discharge potential based on data from each ORI Field Sheet.	A table with each inspected outfall ranking is attached. (See Document Set 2-3)		NO			
7	Discharge Investigation: Illicit discharge investigations will be performed to determine the source of a discharge problem	0 illicit discharges investigations 0 confirmed illicit discharges 0 sources determined 0 discharges eliminated	Where illicit discharges are identified, the County will conduct an illicit discharge investigation to determine the source.		No illicit discharges identified during this reporting period.	NO			

	ETOWAH COUNTY								
	CONTROL MEASURE 2 - ILLICIT DISCHARGE DETECTION AND ELIMINATION								
	See Section 10.2 of the SWMP								
ACTIVITY NO.	STRATEGIES	2016-2017 IMPLEMENTATION STATUS	2017-2018 PROPOSED EFFORTS	SUPPORTING DOCUMENTATION	COMMENTS	PROPOSED CHANGES			
8	Corrective Action Record Keeping: Create a case log detailing pertinent information for each identified suspect illicit discharge or illicit connection	0 confirmed illicit discharges 0 corrected illicit discharges 0 eliminated illicit discharges 0 confirmed illicit discharges where corrective action is pending	When a suspect illicit discharge or illicit connection is identified, a case log will be created to track information related to the incident or report.		No illicit discharges identified during this reporting period.	NO			
9	Update Storm Water System Map - Existing Features: Update the existing GIS map as storm drain features are identified	No new information or features were added to the Storm Water System Map.	The existing storm water system map will be updated as features are identified.	The Storm Water System Map is attached. (See Document Set 2-5)		NO			
10	Update Storm Water System Map - Future Additions: Proposed additions to the County MS4, including new storm sewer and drainage ditches, will be mapped based on the civil plans provided to the County	0 civil plans provided to the County 0 verified new features or outfalls No new information was added to the Storm Water System Map	Proposed and new additions will be mapped based on civil plans provided to the County.	The Storm Water System Map is attached. (See Document Set 2-5)		NO			
11	Evaluate IDDE Ordinance: Etowah County currently does not have the authority to enact an illicit discharge ordinance, and would require action from the Alabama Legislature to gain that ability	0 complaint received 0 illicit discharges identified 0 resolved violation 0 repeat offenders 0 enforcement actions taken	The County will evaluate the potential for an Ordinance annually.		In Etowah County, Home Rule is limited by the State constitution. Counties have no general grant of power in the State Constitution and must go to the Alabama Legislature for authority to engage in any activity not currently authorized by the State Constitution. Authority may be granted through constitutional amendments or by an act of the legislature known as "local legislation." Etowah County currently does not have the authority to enact an illicit discharge ordinance, and would require action from the Alabama Legislature to gain that ability.	NO			
12	Distribute Storm Water Educational Material: Distribute educational materials to public highlighting identification and reporting of potential illicit discharges	The County placed educational materials at County owned buildings. 40 at the Engineering Department	The County will provide educational materials to the public via the webpage and/or materials in County buildings.	Educational Materials and a photo of the placement are attached. (See Document Set 1-6)		NO			
12a	Distribute Storm Water Educational Material: The County will provide educational materials highlighting identification and reporting of potential illicit discharges on the County's storm water webpage	51 views were recorded for the webpage	The County will provide educational materials to the public via the webpage and/or materials in County buildings.	The County Website, Engineering webpage, and the web site recorded hit information are attached. (See Document Sets 1-1 and 1-2)		NO			

	ETOWAH COUNTY									
	CONTROL MEASURE 2 - ILLICIT DISCHARGE DETECTION AND ELIMINATION									
ACTIVITY NO.	STRATEGIES	2016-2017 IMPLEMENTATION STATUS	2017-2018 PROPOSED EFFORTS	SUPPORTING DOCUMENTATION	COMMENTS	PROPOSED CHANGES				
14	Public Reporting and Tracking: Evaluate the reporting and tracking system for illicit discharges (including spills or illegal dumping), impaired waterways, and violations of ordinances relating to storm water pollution	3 reports received 3 complaints addressed 3 complaints resolved 3 reports contained required information to find and address the suspected problem	The County will publicize the reporting number on the County's website and track received complaints and the County's responses to the received complaints. The County will evaluate the current public reporting and tracking methods.	The Storm Water web page and incident tracking sheet are attached. Details about three complaints received are attached. (See Document Sets 1-3, 2-6, and 2-7)		NO				
15	Municipal Training: Train County personnel on the identification of illicit discharges and procedures for reporting illicit discharges within the County organization	S&ME addressed illicit discharge identification in the Annual Training on February 23, 2017 34 County employees attended training.	The County will train personnel on the identification of illicit discharges and procedures for reporting illicit discharges within the County organization.	Attendance record is attached. (See Document Set 2-8)		NO				
16	Storm Water Monitoring Locations: Update existing GIS map with storm water monitoring locations	Additional monitoring points were not added to the monitoring plan	Where necessary, the monitoring locations will be updated in the County storm water system with revised coordinates.	The Storm Water System Map is attached. (See Document Set 2-5)		NO				
17	Evaluation of Monitoring Data: Evaluate the collected monitoring data and make recommendations to add and/or modify monitoring points	More background data is needed to evaluate the data. Generally AT-5 and HB- 3 have the highest results	Once enough background data has been collected, a review will be conducted.	See summary of monitoring reports in Annual Report.		NO				
18	NPDES Industrial Permitting: Evaluate permitted and unpermitted facilities in the County MS4	0 unpermitted facilities were reported to the ADEM during the reporting period	Unpermitted facilities will be reported to the Industrial Permits Section of ADEM.		Etowah County continues to rely on the ADEM for NPDES permitting enforcement	NO				

	ETOWAH COUNTY								
	CONTROL MEASURE 3 - CONSTRUCTION SITE STORM WATER RUNOFF								
	See Section 10.3 of the SWMP								
ACTIVITY NO.	STRATEGIES	2016-2017 IMPLEMENTATION STATUS	2017-2018 PROPOSED EFFORTS	SUPPORTING DOCUMENTATION	COMMENTS	PROPOSED CHANGES			
1	Erosion and Sediment Control Ordinance: County's Subdivision Regulations, Article V, Section 5-4-4 (Road Construction Requirements) regulates storm water management within the County Evaluate the effectiveness of the Ordinance each reporting period	The County evaluated the Ordinance on its effectiveness in addressing erosion and sediment control and no changes were deemed necessary	The County will evaluate the Ordinance annually.	The County's ordinance can be viewed at the link below: http://etowahcounty.org/department/engin eering/	0 non-compliant construction sites 0 enforcement actions taken 0 non-compliant sites reported to ADEM 0 repeat offenders	NO			
2	Construction Site Inspection Program: Conduct regular inspections of construction sites within the County Evaluate the effectiveness of the inspection program.	The County evaluated the effectiveness of the construction site inspection program and no changes were deemed necessary	The County will implement the Construction Site Inspection Program.	There were no construction sites; therefore inspections were not necessary.	0 inspections completed 0 non-compliant construction sites 0 enforcement actions 0 non-compliant sites reported to ADEM 0 repeat offenders	NO			
2a	Sediment and Erosion Control Plan Review: Review Sediment and Erosion Control Plans and Storm Water Management Plans for all new construction Evaluate the effectiveness of the plan review program	The County evaluated the Program on its effectiveness and no changes were deemed necessary.	The County will review Sediment and Erosion Control Plans and Storm Water Management Plans for all new construction.	There were no construction sites; therefore plan review was not necessary.	0 plans reviewed 0 plans approved 0 plans rejected 0 plans met ADEM requirements	NO			
3	BMP Training Program: Conduct annual CBMP training for County inspectors and reviewers	Refresher QCI training attended on June 21, 2016 Robert Nail QCP, #53963 Mel Smith QCI, #39562 Tyson Burwell QCI #31730 William Vaughn QCI #T2437	Refresher trainings will be completed.	QCI certificates are attached. (See Document Set 3-1)		NO			
4	Public Reporting and Tracking: Evaluate the reporting and tracking methods for non-compliant construction sites, illicit discharges, impaired waterways, and violations of ordinances relating to storm water pollution, as well as, comments concerning the SWMPP.	3 complaints received 3 complaints addressed 3 complaints resolved 3 reports contained required information to find and address the suspected problem	The County will publicize the reporting number on the County's website and track received complaints and the County's responses to the received complaints. The County will evaluate the current public reporting and tracking methods.	The Storm Water web page and incident tracking sheet are attached. Details about three complaints received are attached. (See Document Sets 1-3, 2-9, and 2-10)		NO			
5	Notify ADEM of Non-Compliant Sites: The County will notify ADEM of any construction sites where a possible violation of the Clean Water Act has occurred	0 construction sites were reported to ADEM	The County will rely on the ADEM for construction NPDES enforcement when a permit is required but has not been obtained or of situations where the County's enforcement actions have not resulted in compliance.		These non-compliant sites will be reported to the Construction Section of the Storm water Management Division of ADEM in Birmingham, Alabama by phone and/or email.	NO			

	ETOWAH COUNTY									
	CONTROL MEASURE 4 - POST-CONSTRUCTION STORM WATER MANAGEMENT									
ACTIVITY NO.	STRATEGIES	2016-2017 IMPLEMENTATION STATUS	2017-2018 PROPOSED EFFORTS	SUPPORTING DOCUMENTATION	COMMENTS	PROPOSED CHANGES				
1	Reducing Post-Construction Runoff Volume: Article IV Section 4.2 (Construction Plan Requirements) of the Etowah County Subdivision Regulations requires submittal of a Storm Drainage Plan with submittal of a Major Subdivision Plat. Sections4-2(2)e-h require details of pre- and post-construction runoff, drainage structures, and compatibility with existing drainage to be provided with each submitted plan. Etowah County Subdivision Regulations 5- 1(4) Page 24 and 5-4-4 Page 30 requires developers to meet the rules and standards of ADEM and other appropriate State and Federal agencies. Evaluate the effectiveness of the Subdivision Regulations each reporting period	The County evaluated the Ordinance on its effectiveness in reducing runoff from new development or redevelopment and no changes were deemed necessary.	The County will evaluate the Ordinance annually.	The County's ordinance can be viewed at the link below: http://etowahcounty.org/department/engin eering/	0 submitted plans included measures to reduce runoff volume. There were no construction sites during the reporting period.	NO				
2	Reducing Pollutants from Development: Etowah County Subdivision Regulations 5- 4-4(11) Page 33 specify storm drainage runoff requirements for developers Evaluate the effectiveness of the Subdivision Regulations each reporting period	The County evaluated the Ordinance on its effectiveness in reducing pollutants from new development or redevelopment and no changes were deemed necessary.	The County will evaluate the Ordinance annually.	The County's ordinance can be viewed at the link below: http://etowahcounty.org/department/engin eering/	0 developments required treatment of storm water runoff is required There were no construction sites during the reporting period.	NO				
3	Long-Term Maintenance for Storm Water Controls: Etowah County Subdivision Regulations 5- 4-4(11) Page 33 states, "Parcels of land containing either a flood retention pond or sedimentation pond shall be retained by the developer or home owner's association with the maintenance of said ponds to be the responsibility to remain with either the developer or home owner's association." Evaluate the effectiveness of the Subdivision Regulations each reporting period	The County evaluated the Ordinance on its effectiveness in addressing long-term maintenance of storm water controls and no changes were deemed necessary.	The County will evaluate the Ordinance annually.	The County's ordinance can be viewed at the link below: http://etowahcounty.org/department/engin eering/	0 submitted plans included detailed maintenance procedures 0 maintenance agreements reviewed 0 maintenance provisions approved 0 maintenance provisions denied 0 enforcement actions taken There were no construction sites during the reporting period.	NO				
4	Evaluate Obstacles to Low Impact/Green Development: Review and evaluate policies and ordinances to identify regulatory and policy impediments to the installation of green infrastructure and low-impact development techniques	0 obstacles identified conflicts were discussed when necessary	The County will review and evaluate policies and ordinances to identify regulatory and policy impediments to the installation of green infrastructure and low- impact development techniques.		The County utilizes open ditching to allow green infrastructure. We are not aware of any conflicts at the time.	NO				

			ETOWAH COUNTY							
	CONTROL MEASURE 4 - POST-CONSTRUCTION STORM WATER MANAGEMENT									
ACTIVITY NO.	STRATEGIES	2016-2017 IMPLEMENTATION STATUS	2017-2018 PROPOSED EFFORTS	SUPPORTING DOCUMENTATION	COMMENTS	PROPOSED CHANGES				
5	Sediment and Erosion Control Plan Review: Review Sediment and Erosion Control Plans for all new construction for review of post-construction controls Evaluate the effectiveness of the plan review program	The County evaluated the Program on its effectiveness and no changes were deemed necessary.	The County will review Sediment and Erosion Control Plans for all new construction for review of post- construction controls.	There were no construction sites; therefore plan review was not necessary.	0 plans reviewed 0 plans approved 0 plans rejected 0 post-construction designs approved 0 post-construction designs rejected	NO				
6	Construction Site Inspection Program: Inspect post-construction controls after stabilization is complete to confirm post- construction storm water measures/structures have been installed according to the submitted plan Annually inspect each site to confirm post- construction BMPs are functioning as designed Evaluate the effectiveness of the inspection program	The County evaluated the Program on its effectiveness and no changes were deemed necessary.	The County will implement the Construction Site Inspection Program.	There were no construction sites; therefore inspections were not necessary. Post-construction storm water inspection form is attached. (See Document Sets 4-1)	0 inspections completed 0 projects completed per submitted plans 0 projects not constructed in accordance to submitted plans 0 of those projects that were not constructed according to plans.	NO				
7	Post-Construction Structural Controls Inventory: Update an inventory of post-construction structural controls including those owned by the County	0 post-construction structural controls are located within the UA	The County will update an inventory of post-construction structural controls including those owned by the County.			NO				
8	Additional Strategy: Highway Erosion Control	Etowah County works to reduce runoff within our right-of way and monitor our areas for erosion. Utilize riprap in areas resistant to permanent vegetation.	The County will continue to use riprap and grassing as erosion countermeasures when applicable.	Erosion Control report with dates, materials, and hours is attached (See Document Set 4-2)		NO				

С	ETOWAH COUNTY CONTROL MEASURE 5 - POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS								
ACTIVITY		2016-2017	See Section 10.5 of the SWMF 2017-2018		COMMENTS	PROPOSED			
NO.	STRATEGIES	IMPLEMENTATION STATUS	PROPOSED EFFORTS	SUPPORTING DOCUMENTATION	COMMENTS	CHANGES			
1	County Facilities: Maintain a list of County facilities that have the potential to discharge pollutants through storm water runoff Update SOPs for facilities as needed and inspect facilities monthly	8 County facilities	Maintain a list of facilities.	A list of County facilities and addresses is attached. (See Document Set 5-1)		NO			
1a	County Facilities: Inspect each facility for good housekeeping practices on a quarterly basis. Establish a inspection checklist by May 31, 2017	4 inspections were performed at each facility 2 minor housekeeping deficiencies were identified (None related to storm water)	Inspect each facility for housekeeping on a quarterly basis.	The checklist is attached. (See Document Set 5-2)		NO			
1b	County Facilities: Establish SOPs for facilities by May 31, 2017	SOPs were established for each facility	Update SOPs for facilities as needed.	Established SOPs are attached. (See Document Set 5-2)		NO			
2	Employee Training: Implement a BMP training program for County personnel each reporting period	County invited S&ME, Inc. to conduct Annual Training on February 23, 2017 34 County employees attended training.	The County will train personnel on good housekeeping.	Attendance record is attached. (See Document Set 2-9)		NO			
3	Vehicle Maintenance Program: Conduct routine inspections of municipal vehicles and equipment	Daily inspections are done of vehicles before they are driven. 20 vehicle or equipment leaks identified during the reporting period	The County will conduct routine inspections.	Work orders for the identified leaks are attached. (See Document Set 5-3)		NO			
4	Vehicle Wash Area: Specify areas for vehicle washing. Each Department location will be reviewed, inspected, and modified as needed throughout the year	1 designated municipal vehicle washing areas 4 inspections performed 0 deficiencies noted	Each vehicle washing area will be reviewed, inspected, and modified as needed throughout the year.	Photo of designated wash area and inspection checklist are attached. (See Document Set 5-4)		NO			
5	Pesticide Applications: Ensure pesticide applicators have current certifications Public Works will review all areas where pesticides are to be used	The County uses various pesticides (insecticides and herbicides) to control insect pests and unwanted vegetation. Steve Talton Permit #10745 Exp. 4-28- 2020. Thomas Guthery Permit #15384 Exp. 5-28- 2017 The County will report the areas where the pesticides were applied and whether or not there was a potential for waterways to be impacted.	The County will continue to recertify County employees as required Should other pesticide applications be needed, the County will review applicator certifications and licensing during the bid process.	Certifications and Herbicide report with dates, materials, and hours are attached. (See Document Sets 5-5, 5-6, and 5-7)		NO			

С	ETOWAH COUNTY CONTROL MEASURE 5 - POLLUTION PREVENTION AND GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS									
	See Section 10.5 of the SWMP									
ACTIVITY NO.	STRATEGIES	2016-2017 IMPLEMENTATION STATUS	2017-2018 PROPOSED EFFORTS	SUPPORTING DOCUMENTATION	COMMENTS	PROPOSED CHANGES				
6	Litter Ordinance: The Sheriff's office enforces the State littering code	25 enforcements as a result of the Ordinance	The Sherriff's office will enforce the State littering code.	The Littering Code can be viewed at the link below: http://alisondb.legislature.state.al.us/aliso n/codeofalabama/1975/coatoc.htm A list of investigated environmental issues is attached. (See Document Set 5-8)		NO				
7	Litter, Floatables, and Debris - Oil Waste Recycling: Manage a drop-off facility at the County Shop for used oil and filters	300 gallons collected at drop-off center	The County will manage the drop-off facility.	Photos of collection areas and invoices attached. (See Document Set 5-9)	The County collects used oil and filters at the Maintenance Shop.	NO				
8	Litter, Floatables, and Debris - Recycling Program: Manage a recycling program for aluminum cans and scrap metal	1.23 tons collected at drop-off center	The County will manage the recycling program.	Photos of collection areas and invoices attached. (See Document Set 5-9)	The County recycles aluminum cans in the break room at the maintenance shop. The County recycles metal from County projects	NO				
9	Additional Strategy: Dead Animal Removal	The County removes dead animals from the roadside	COMPLETED	Documentation of disposal is attached. (See Document Set 5-10)		NO				
10	Additional Strategy: Free Garbage Disposal Days	Advanced Disposal had open-top containers at several locations across the County on February 4, 2017, May 7, 2016, August 6, 2016, and November 5, 2016 for residents in unincorporated areas of the County.	COMPLETED	Public Notices for each date and garbage collection schedule are attached. (See Document Set 1-11)		NO				
11	Additional Strategy: Adopt-A-Mile Program	The County provides trash bags for cleanup, maintains the Adopt-A-Mile signs, and disposes of the garbage collected.	COMPLETED	PALS program brochure, County Adopt-A- Mile policy, and photo of example sign are attached. (See Document Sets 1-13 and 1-14)		NO				
12	Additional Strategy: Clearing and of drainage structures	The County clears and removes trees and brush from drainageways as needed.	COMPLETED	Report of hours and dates for brush removal is attached. (See Document Set 5-11)		NO				

	ETOWAH COUNTY									
С	ONTROL MEASURE 5 -	POLLUTION PREVENTI	ON AND GOOD HOUSE		PAL OPERATIONS					
ACTIVITY NO.	STRATEGIES	2016-2017 IMPLEMENTATION STATUS	2017-2018 PROPOSED EFFORTS	SUPPORTING DOCUMENTATION	COMMENTS	PROPOSED CHANGES				
13	Additional Strategy: "No Dumping" Signs	Signs are placed upon request. If signs are ineffective, the litter enforcement agent becomes involved. If the area continues to have litter issues, it is considered for surveillance. The County has two cameras that are rotated to different areas on an as needed basis.	The County will continue to place or maintain these signs in problem areas.	Pictures of the sign and typical placement are attached. (See Document Set 1-10)	The County maintains approximately 50 signs. The County maintains "No Dumping \$500 fine" signs and these No Dumping areas are under video surveillance signs. These are put out in the County through Keep Etowah Beautiful as part of the effort to eliminate/reduce unauthorized disposal of waste.	NO				
14	Additional Strategy: Roadway Garbage Pickup	The County utilizes County inmates to collect trash along the County highways throughout the year.	COMPLETED	The Prisoner Yearly Cleanup Report is attached. (See Document Set 1-15)		NO				

Appendix J-3 – Etowah County Supporting Documents



Mel Smith <msmith@etowahcounty.org>

Website Information

Mel Smith <msmith@etowahcourty.org> To: Michael Ray <mray@plexamedia.com>, Michael Ray <mray@singletontechnology.com>

Michael,

We are gathering information again for the annual Etowah County storm water niport.

Can you give me the page views during the last 365 days for http://etowahcounty.org/engineering/storm-water/?

Mel Smith Etowah County Engineering Department 256-549-5358

(Quoted test Nidden)



Mel Smith <msmith@etowahcounty.org>

Website Information

Michael Ray <mray@plexamedia.com> To: Mel Smith <msmith@elowahcounty.org> Thu, Mar 23, 2017 at 8:05 AM

We show that page received 51 page views in the past year. (Outrid text hidden) Michael Ray 877-497-4606 ext. 802



Mei Smith <msmith@etowahcounty.org>

Website Information

Mel Smith <msmith@etowahcounty.org> To: Michael Ray <mray@plexamedia.com> Mon, May 15, 2017 at 2:11 PM

Michael,

We also need the hit counts on Elowah County MS4 Storm Water Management Program and for 2014-2015 Gadaden-

Etowah Annual Storm Water Management Report If you could get them for us please.

(Guoteid text hidden)



Mel Smith <msmith@etowahcounty.org>

Website Information

Michael Ray <mray@skexamedia.com> To: Mel Smith <msmith@elowshcounty.org>

Mon, May 15, 2017 at 3:33 PM

Hoy Mel,

Google Analytics actually can't read stats on individual files like the PDFs you listed. Is there any other information we can pull for you? (Quoted text hidden)



Get In Touch

Etowah County Courthouse 800 Forrest Ave. Gadsden, AL 35901

\$ (256) 549-1444 (tel:2565491444) (866) 314-7660 (tel:8663147660) (256) 549-5400 (fax:2565495400)

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Transnortation

Engineering |

∧ County Commission	District 3: Larry Payne (http://etowahcounty.org/department/district-3/) District 4: Jeff Overstreet (http://etowahcounty.org/department/district-4/) District 5: Carolyn Parker		
County Commission (http://etowahcou commission/)	(http://etowahcounty.org/department/district-5/) District 6: Tim Choate (http://etowahcounty.org/department/district-6/)		
District 1: Joey Statum (http://etowahcou			
District 2: Johnny Grant (http://etowahcou	Copyright © Etowah County 2017	Powered by	(http://churchwebfuel.com) Login (/wp-admin)
District 3: Larry Payne (http://etowahcou			
District 4: Jeff Overstreet (http://etowahcou			
District 5: Carolyn Parker (http://etowahcou			
District 6: Tim Choate (http://etowahcou			
Personnel (http://etowahcou Rural			

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ETOWAH COUNTY - DOCUMENT SET 1-2

http://etowahcounty.org/department/engineering/



PAGE 3 OF 9

ETOWAH COUNTY - DOCUMENT SET 1-2

http://etowahcounty.org/engineering/storm-water/

Commission	Quick Links	Get In Touch
County		
Commission	County Commission	Etowah County Courthouse
(http://etowahcou	(http://etowahcounty.org/department/county-	800 Forrest Ave.
commission/)	commission/)	Gadsden AL 35901
	District 1: Joey Statum	
District	(http://etowahcounty.org/department/district-1/)	
1:	District 2: Johnny Grant	(200) 044 7000 (i Locott 444)
Joey	(http://etowahcounty.org/department/district-2/)	(866) 314-7660 (tel:8663147660)
Statum	District 3: Larry Payne	iii (256) 549-5400 (fax:2565495400)
(http://etowahcou	(http://etowahcounty.org/department/district-3/) District 4: Jeff Overstreet	
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http://etowahcounty.org/engineering/storm-water/



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http://etowahcounty.org/report-storm-water-issues/

County Commission	Quick Links	Get In Touch
County		
Commission	County Commission	Etowah County Courthouse
(http://etowahcou	(http://etowahcounty.org/department/county-	800 Forrest Ave.
commission/)	commission/)	Gadsden, AL 35901
	District 1: Joey Statum	
District	(http://etowahcounty.org/department/district-1/)	\$ (256) 549 1444 (tel: 2565491444)
1:	District 2: Johnny Grant	(200) 044 7000 (4-1:000447000)
Joey	(http://etowahcounty.org/department/district-2/)	(800) 314-7600 (tel:8063147600)
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http://etowahcounty.org/keep-etowah-beautiful/

^	Glencoe Elementary Highland Elementary
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District	Private Schools:
3:	Coosa Christian Elementary
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Payne	Westbrook Elementary
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	Webbook High
District	Message In The Bottle Anti-Litter Symposium Winners:
4: Jeff	Flementary:
Overstreet	1st Place – John Washburn, Ivalee Elementary
(http://etowahcou	2nd Place – Bailey Simms, John Jones Elementary
	 3rd Place – Courtney Boren, Southside Elementary
District	Middle and High School:
5'	1st Place – Mr. Brian Ursy Class, Gaston High
Carolyn	2nd Place – 7th Grade Students, Glencoe Middle
Barkar	• Sid Place – Science Club, Hokes Bluit High School
	Etowah County Groundwater Festival T-Shirt Design Winner
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County Commission	Quick Links	Get In Touch
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http://etowahcounty.org/keep-etowah-beautiful/



KEEP ETOWAH BEAUTIFUL, INC. COMMUNITY PROGRAMS FOR 2016

GAC:

Volunteers: 1587 Total Tonnage: 249 tons

RENEW OUR RIVERS:

Volunteers: 932 Total Tonnage: 8.4 tons Passenger Tires: 217 Truck Tires: 49 Tractor Tires: 1

MESSAGE IN THE BOTTLE ANTI-LITTER SYSMPOSIUM:

Volunteers: 120 K-12 Grade Students: 854 Teachers: 53

WATER FESTIVAL:

Adult Volunteers: 83 Students: (Presenters and Tour Guides) 255 4th Grade Teachers: 64 4th Grade Students: 1207

The Gadsdey Times

Keep Etowah Beautiful hands out annual awards at breakfast

Tuesday

Posted May 23, 2017 at 9:07 PM Updated May 23, 2017 at 9:08 PM

By Times Staff Report

Keep Etowah Beautiful Inc., an affiliate of Keep America Beautiful, had its annual awards breakfast Tuesday.

Among the awards presented:

Extra Mile Awards: These are given to volunteers who help with the judging of Clean Campus, Message in the Bottle, Litter Index or give an extra hand to Keep Etowah Beautiful whenever needed. Honorees were Wendell Clark, Jamie Duncan, Chad Hare, Mike Hilton, Deb Howard, Gene Phifer, Kim Reed, Steve Shields, Jeramy Ward and Meleah Williams.

Community Awards: These are given to organizations, government departments and small businesses for their continual support and service for Keep Etowah Beautiful programs such as the Great American Cleanup, Message in the Bottle, Renew Our Rivers and Water Festival, to name a few. Honorees were:

Alabama Department of Transportation; Alabama Power Service Organization; AT&T Pioneers; Buck's Marina;

City of Gadsden Engineering Department; City of Gadsden Parks & Recreation; Etowah County Commissioners; Gadsden Beautification; Deborah Gaither of Gadsden/Etowah Emergency Management Agency; Gadsden Water Works; Jones, Blair Waldrup & Tucker; and Neely Henry Lake Association.

Corporate Awards: These are given to businesses that not only provide financial support but also allow and encourage their employees to participate in many of KEB programs. Honorees were: Alabama Power Co. — District Office; Alabama PAGE 1 OF 2 ETOWAH COUNTY - DOCUMENT SET 1-4 Power Co. - Gadsden Steam Plant; and Buffalo Rock Co.

County Beautification Award: The City of Gadsden Public Works Department was recognized for its efforts in trash and debris removal during Renew Our Rivers, among other things.

KEB Teachers' Grants, \$500 each, Message in the Bottle: Kim Hamby, Highland Elementary School; Tracey Abney, Litchfield Middle School

Tommy Diaz Lucas, Litchfield Middle, will have his artwork featured on KEB's billboards.

KEB Award of Appreciation: Alabama Power Corporate Office

Service Awards: Volunteer, Martin Windham; Board Member: Deborah Gaither

Enforcement Award: Lawrence Scott

Influence Award: Etowah County Sheriff Todd Entrekin

Special Award: Gadsden State Community College

Leadership Award: Mike Lankford

President's Award: Deputy Heath Yates

Awards also were presented to each school system and each school denoting Clean Campus Certification. All 11 municipalities were recognized for their support of and work with KEB.

Renew Our Rivers Agenda August 25, 2016

Welcome:

Date and Time-

Cleanup Week: October 31st to November 3rd (1/2 day on 3rd) Heavy Equipment Cleanup will be held November 1st - 3rd)

Location:

Gadsden City Boat Docks Behind Dollar General and Farmers Furniture

Disposal of Trash:

City of Gadsden:

Main Location · Amphitheater Parking Lot Time Period – Trash has to be at lot no later than 1:00 p.m. on Saturday, November 5th

Tires Disposal:

Etowah County Engineering

Cleanup Areas

Monday thru Wednesday at City of Gadsden Boat Docks Thursday – Rainbow Landing

Equipment:

Boats:

Plant Boat – Monday – Thursday – Silver Bullet – Monday – Thursday Gadsden Steam Plant Boat – Mike's Boats (2) –

How many boats total for each day? Chief Hassell and staff needs to know for the inmate count.

Sheriff's Department

Renew Our Rivers Agenda October 27, 2016

Welcome:

Date and Time:

Cleanup Week October 31st to 5th Kickoff time for October 31st to November 3rd will be 8:00 a.m. Mike and Patrick - November 1st - 3rd Sheriff's Department October 31st to November 3rd No Saturday Cleanup Event this year

Location:

Gadsden City Boat Docks Behind Dollar General and Farmers Furniture

Disposal of Trash:

City of Gadsden:

Main Location · Amphitheater Parking Lot Time Period –October 31st to November 5th Hauling · All trash must be at the Amphitheater Parking Lot by 1:00 p.m. on November 5th

Rainbow Landing - Rainbow City

Tires Disposal:

Etowah County Engineering All Tires must be at Amphitheater Parking Lot by 1:00 p.m. on Nov. 5th

Daily Start up locations:

Monday · Wednesday at City of Gadsden Boat Docks Thursday – Rainbow Landing

Equipment:

Tent for boat dock - Academy Sports

Boats:

Plant Boat – Monday – Thursday – Gerson Pickett Silver Bullet – Monday – Thursday - Martin Windham Gadsden Steam Plant Boat – APCO Drive Mike's Boats (2) – Tuesday - Thursday (http://www.prantogadukte.com/)

Navgets to	
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Neeton October 31, 2016 al-lay (chases) Neeton: Neeton: Neeton Freeton Coanset & Line Dover No 256-545-0800	(f) (rdp. hover, prosequences, confidential) (h)
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October 31 - November 3 - Lake H. Neely Henry (Coosa River)

Cleanup activities will be held at various locations during the event. Contact coordinators for supplies and further details.

Contact: Lisa Dover at 256-549-0900, Keep Etowah Beautiful

History

Renew Our Rivers has grown from a single river cleanup event in Gadsden to a nationally recognized compaign that includes Alabama, Georgia, Missiosippi and the Florida panhamilie, aix river systems and brings together thousands of volunteers each year.

Impact

Alabama Pawes, with the help of valuencess around the Southeast, namered more than 14 sellies pounds of truth them 2008 to 2011 through Ronew Our Rivers. The truth and delvis removed includes bettlis and case to feel, water heaters, selligeneous and boots.

Commitment

You can count on Alabama Power to continue working hard to make Alabama a better place to live. Sign up to volunteer along the lake nearest you during Renew Our Rivers. Contact the coordinator listed on the schedule (http://renewsarrivers.com/2006-schedule/) for details and directions.



Written by Hugh Stump

(Http://Www.Greatergadsden.Com/Author/Hugh/)



View all posts by: High Stomp (148p://Www.Uosatergadadon.Com/Anthor/Wegh/)

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								Adventise With Us
1	Ren	iew Oi	ur Riv	ers No	ely He	enry Clea	anup	View All Events

Monday - Wednesday

8:00 AM

Location Godulen City Boat Ramp 101 E Broad St Gedelen, AL 35921

Contact Name: Liss Dever Phone: 250-549-0900

From Intensiate 58, travel to Exit 182 near Gadsden and go north on 1-759. Continue on 1-759 and turn left on George Wallace Drive. Keep poing through four red lights, and the city of Gadsden Boat Dock is on the left behind Dollar General and Farmers Furniture.

The Renew Cur Rivers Neelly Henry Lake deanup is Oct. 31 to Nov. 2 on the Coosa River. Volunteers will meet at the city of Gadsden Boet Dock at 8 a.m. each day to pick up supplies. Volunteers should wear long pants and closed-toe shoes. Minors must have a chaperone to participate.

This Renew Our Rivers deanup is coordinated by Alabama Power, Gadoden Beautification Doard, Keep Elowsh Beautiful Inc., Sherlif Todd Entrekin, The Gadeden Times, Elowsh County Commission, AT&T Poneers and Gadoden State Community College.

Volunteers for Renew Our Rivers, one of the Southeast's largest river cleanup campelgra, have collected more than 14 millior pounds of trash and debris since the program's inception in 2000. This year, 52 cleanups are planned through November on the Alabama, Block Warrior, Cahaba, Chattahoochee, Coosa, Mobile and Tallapoose rivers.





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Get Directions using Google Maps

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River cleanup drive kicks off on April 29

間 April 26, 2013

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For the 14th year, Keep Etowah Beautiful is organizing a land and river clean up campaign that takes tons of debris out of the river and off its banks each spring.

KEB Director Lisa Dover said spring is a great time for pitching in and cleaning with the organization's Great American Cleanup and Renew Our Rivers. The Great American Cleanup, organized locally by KEB is part of a nation's largest cleanup, beautification and community improvement program. Everyone is invited to join in and help make Etowah County even more beautiful.

Keep Etowah Beautiful's land cleanup (Great American Cleanup) has kicked off and will go until May 31. Contact your local city hall to find out if a cleanup is scheduled in their area or they may contact. Keep Etowah Beautiful 255-549-0900 to find out how to volunteer for this event. Bags will be available to anyone wishing to help cleanup.

Renew Our Rivers will begin April 29 and continue to May 4. Renew Our Rivers will take place during the week only with no event on Saturday this year.

Supplies for both events were available April 25 at the Gadaden Senior Citizen Building Anyone who did not obtains supplies then can get supplies at the docks. Dover said KEB representatives will be at the Gadaden City Boat Dock April 29 and 30, move to Rainbow Landing May 1 then return to Gadsden's dock May 3.

Thousands of volunteers have participated and given thousands of hours to help remove trash and debris from Elowsh County. Help Keep Elowsh Beautiful and make a difference in your community, Dover said.

Ronew Our Rivers local Keep Etowah Beautiful's sponsors: Keep Etowah Beautiful, Alabama Power Company, City of Gadsden, Etowah County Sheriff Todd Entrenkin, J & D Enterprises, Alabama Power Service Organization, AT&T Telecom Pioneers. Buffaio Rock Company. Buck's Island. Elowah County Commission. Gadaden PAGE 11 OF 14

ETOWAH COUNTY - DOCUMENT SET 1-5

Beautification Board, Gadaden-Etowah County Emergency Management Agency. The Gadaden Times, Gadaden Water Works, Etowah County Sol & Water District, Landorafters, Inc., Neely Henry Lake Association, WAAX, WGMZ, Fox 8 and TV 24.



Renew Our Rivers cleans out the Coosa River

2 November 18, 2016

By Mary Elizabeth Dial, Staff Correspondent

Drivers on Albert Rains Boulevard in Gadsden may have seen a shocking sight in the large parking lot next to Convention Halt: a massive pile of trash that had been pulled from the Coosa River as part of the Ranew Our Rivers project. Originally called Renew the Coosa, the annual cleanup began 17 years ago and has undergone more than just a change of name.

Gene Philer, who was instrumental in starting the program in 2000, was quick to explain that the project would nover have gotten started without a community-wide effort.

"I had a lot of help," said Philer. Along with of Alabama Power, the Keep Elowah Beautiful initiative, the Gadsden/Elowah Chamber and "as many people and as many diverse groups" as Philer could rally. Renew the Coosa started cleaning up the river that flows through northeast Alabama and is a significant part of Gadsden's landscape.

By 2002, Renew the Coosa had become Renew Our Rivers as other areas in Alabama, Georgia, Mississippi and Florida began participating.

"The cleanup grew year by year," Philer remembered. The program, which attracted 500 volunteers in 2000, has grown to include 70,000 volunteers over the past 17 years. Over that time, 14,500,000 pounds of debris has been hauled out of water systems. Ranew Our Rivers shows no sign of slowing down; over 30 cleanups occurred this year in addition to the Coosa River site.

Philer, who worked for Alabama Power when Renew Our Rivers was created but has since retired, has remained with the project and is proud of how it has arown.

PAGE 13 OF 14

"I don't know if it's the biggest cleanup in the United States, but if it's not it's on up there," Philer said. The progress te has seen in 17 years of cleaning up the Coose and other water systems has surprised and inspired him. Compared to the first cleanup project, from which debris filled the parking lot of the Gadoden amphitheater, this year's efforts have seen a decrease in debris pulled from the Coose but not in the response from the community. Philer credits this response to the place Renew Our Rivers has earned for itself as a part of the community's culture.

A large part of the project's importance is the education it provides to children as well as adults.

"If you can talk and stress the importance of protecting the environment... It really helps because as [children] grow up they take that attitude and they spread it," Philer explained. The Message in a Bottle program grew out of this goal to educate when a bottle was found floating in the Coosa River with a 19-year-old note. Renew Our Rivers organizers began using that message in a bottle to demonstrate the importance of local water systems, and the children's program has since resulted in an increased interest in the health of lakes and rivers.

"What would this whole area be without the [river system]?" Philer asked.

When driving past the pile of debris pulled from the river, which contains multiple shopping carts and fires as well as a whole boat, it is easy to see why environmentalists and community leaders keep Renew Our Rivers alive and active, but why do community volunteers keep coming back?

According to Philler, the answer is simple.

"It's important for (volunteers) to have a good time... It's funi it's work, but it's a lot of fun too."

By improving the health of the local environment and encouraging unity at the same time, Renew Our Rivers has hit on the perfect formula for auccess, and organizers intend to keep the program going as long as it is needed.

Mel Smith <msmith@etowahcounty.org>



Fwd: Meeting

1 message

Robert Nail <mail@etowahcounty.org> To: Mail Smith <msmith@etowahcounty.org> Fri, Dec 2, 2016 at 4:53 PM

You need to go to this for me since I will be out of town.

----- Forwarded message ------

From: "Lisa Dover" <keb@etowahcounty.org>

Date: Dec 2, 2016 4:49 PM

Subject: Meeting

To: "Amy Burgess" <burgeap@aces.edu>, "Bobby Welch" <bobwelch@culturalarts.org>, "Chad Hare" <chare@gadsderwater.org>, "Charles Hodge" <gawhodge1@juno.com>, "Chris Jones" <cjones7281@gmail.com>, "Don Campbell" <dcampbell@gcs.k12.al.us>, "Donna Waddel" <dwaddell@etowahcounty.org>, "Gerson Pickett" <gipicket@southemco.com>, "Heath Williamson" <hwilliamson@cityofgadsden.com>, "Holly Guinn" <holyguinn@culturalarts.org>, "Hugh Hammer" <hhammen@gadsdenstate.edu>, "Hugh Hammer Assistant" <hammerasstilligadsdenstate.edu>, "Jamie Duncan" <jduncan@attatla.k12.al.us>, "Jason Nicholson" <j.nicholson@attallacity.com>, "Jennifer Childers" <ichilders@etowahcounty.org>, "Jennifer Hyde" <ihyde@attalla.k12.al.us>, "Jeramy Ward" <jward@cityofgadsden.com>, "Jimmy Whittemore" </whitemore@cityofsouthside.com>, "Joe Sexon" <saxon.environmental@gmail.com>, "Ken Howell" <Ken.Howeli@al.usda.gov>, "Kim Reed" <kim_reed@ecboe.org>, "Lisa Johnson" <hbcity@bellsouth.net>, "Mark McBrayer* <mmcbwtman@yahoo.com>, "Meleah Williams" <mwilliams@gadsderwater.org>, "Michael Dillon" <dillomk@aces.edu>, "Mike Brockins" <mbrockins@gadsderwater.org>, "Mike Lankford" <miankford@gadsdenwater.org>, "Mike Osborne" <mosborne@etowahcounty.org>, "Pam Burgess" pburgess @attala.k12.al.us>, "Robert Nail" <mail@etowahcounty.org>, "Rodney Wall" <rodneywall@cityofglencoe.net> "Tim Adams" <tadams@gadsdenstate.edu>, "Tim Heard" <theard@gadsdenstate.edu>, "Ty Jackson" <tjackson@cityofgadsden.com>, "Dana Elrod" «dana_elrod@ecboe.org>, "Jimmy Sewell" «james_sewell@ecboe.org>, "Ms. Bagwell" <transportationw@bellsouth.net>, "Bea Jai Merriman" <bsm0015@aubum.edu> Cc:

We will be holding our last Water Festival meeting on Thursday, December 8th at 10:00 a.m. at the Aquaculture Education and Development Center at Gadsden State Community College (Hugh's).

Lisa Dover Executive Director Keep Etowah Beautiful, Inc. keb@etowahcounty.org Office: 256-549-0900 Fax: 256-549-1325



Gadsden State hosts 16th annual Water Festival

7 December, 2016

The 16th annual Etowah County Water Festival will be from 8 a.m. to 1 p.m. Dec. 9 on the Wallace Drive Campus of Gadsden State Community College. An estimated 1,400 fourth-graders from schools in Etowah County are expected to attend the fun and innovative event.

"Every fourth-grader in Etowah County will visit Gadsden State to complete three different hands-on activities related to protecting our clean water resources," said Dr. Hugh Hammer, program manager at Gadsden State's Aquaculture Education and Development Center and an organizer of the Water Festival. "They will be taught these activities by approximately 200 volunteers from Etowah, Gadsden City and Southside high schools as well as aquaculture students from Gadsden State."

The festival is designed to educate students and their families about all aspects of groundwater. Students and teachers will participate in the three 30-minute hands-on activities throughout the day where they will learn about natural resources and general environmental awareness.

"Each fourth-grader will build a water cycle bracelet and an edible aquafer as well as complete a filtration exercise," Hammer said.

Following the classroom sessions, students will attend a magic show by the Fishin' Magician.

"The magic show was developed as a way to demonstrate the importance of clean water in a unique way," he said.

All attendees and volunteers will receive a free Water Festival t-shirt that features the winning design by Aidan Kastke from John Jones Elementary School.

The Water Festival is co-sponsored by Gadsden State, the City of Gadsden, the Gadsden Water Works and Sewer Board, Keep Etowah Beautiful and the Etowah PAGE 2 OF 7 ETOWAH COUNTY - DOCUMENT SET 1-6 County Sheriff's Department. Support also comes from a number of other agencies and Gadsden area businesses.

For more information, contact Lisa Dover, director of Keep Etowah Beautiful, at 256-549-0900 or Dr. Hugh Hammer at 256-549-8345.

Contact Us Gadsden State Community College

1001 George Wallace Dr Gadsden, AL 35903 (256) 549-8200 GET DIRECTIONS Fallow Us;



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The Gadsdey Times

Annual Water Festival returns this Friday

Thursday

Posted Dec 8, 2016 at 10:16 AM Updated Dec 8, 2016 at 10:16 AM

By Special to the Times

The 16th annual Etowah County Water Festival will be from 8 a.m. to 1 p.m. this Friday on the Wallace Drive Campus of Gadsden State Community College. An estimated 1,400 fourth-graders from schools in Etowah County are expected to attend the fun and innovative event.

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For more information, contact Lisa Dover, director of Keep Etowah Beautiful, at 256-549-0900 or Dr. Hugh Hammer at 256-549-8345.





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ETOWAH COUNTY SCHOOLS

PREPARING OUR STUDENTS FOR THEIR FUTURE

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Students Participate in Water Festival

Etowah County 4th Grade Students Participate in Water Festival



Rowah County 4th-grade students participated in the Water Festival an Feday, December 9, 3016, at Gadedan State Community College. The Gadsden Water Board, Keep Dowah Breutiful, Gadsden State Community College and the City of Gaduden sponstred the Feature, 4th-grade students participated is hands-on activities while learning about water filtration and the water cycle. This year's there was "Water Our Nature Treasurer." Adam Kasil from John. 5. Jones Elementary was the logo winner. Every student that participated received a 1-shirt with Adaria laga.



Serving ETOWAH County, Alabama

Natural Bisources Censervation Service

GADSDEN SERVICE CENTER 312 S 3RD ST GADSDEN, AL 35901-5299	 Street Hap Driving Directions 				
(256) 546-2336 (877) 450-6833 fax	Site: 2001 Office: 60063				
Halling Address: 312 S 38D ST STE B GADSDEN, AL 35901-5209					
Contact: Ken Howell District Conservationist Phone: (256) 546-2336 x 3 Fax: (877) 450-6833 Email: ken howell@al.usde.asy					

Please forward office updates and connections to: "COOP National Data Steward

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Used Motor Oil

- is harmful to plants, animals and humans if released to the environment through leaks or improper disposal.
- · shouldn't be mixed with any other substance.
- should be put in a sealed container and recycled in a timely manner.
- Is a resource that:
 - can be re-used as an industrial fuel,
 - can be re-refined into a quality motor oil,
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For the nearest used motor oil recycling location contact;

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This product was partially landed by the U.S. Environmental Postection Agency and the Advance Department of Environmental Management.

Funding denoigh the Akihama Department of Economic and Community Miles, Science, Technology and Europy Tablain. This Involves prepared with the partial support of the U.S. Department of Iterapy Caret No. DE/COV 4000140156. Providen, any opinions, Rodings, conclusions, or straamsterolations expressed bends are three of the surface and do not researched y effect the down of DCF.

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PAGE 2 OF 11

Water Contamination

PAGE 3 OF 11

The states is checkly agricultured, and the major listeds of water polletten are existently restinent, and bacteria. Thes, best management prosition is the major agricultured industries have the poleentic to advancedly reduce users pollation. Some of the most important areas merced by negless under are settlends—more than 3.1 million areas. Witchedd alou and more roong thereby presently flooding. They also films contententeness at merches were more through the unitant parties. This is in many areas or being datered to more hormating and desings for afternative use. Using hast recongeness present presents can metabolic used for the present present presents can metabolic used desinvation.



Did You Know?

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furging water is not of the most (highly retracted on Earth, because most pollulated that study tots the environment real up in takes and sums. Eightern pervised of all surface matter in the contiguous 48 atoms filture through Alabama (31.5 prillon gallmen of water per-part). The movingle distribution area shown 17% gallows of watter per day, for dimentia purposes, at a out of alsone 22,00 per 1,000 gallows. The years common partico-water polluters in the case are cogets diplotting waters and maintenis, soluch cases from agriculture and manufold weathouts Streng-right protest of all suite untidence in the state is used for poser presention. About 22 institut of the start's 55 institut of atomage annual reargial runs of into stephore some bottos Forty present of the matteries correspond sustains are two policities for notivening, finiting, or other movement activities. Absorptional percent of the state's streams and rivery must dissignatized use orderia.

For More Information

- Dreem Rear. U.I. Grouppart Jarrey Dippieses number 194-219-2192 and on the Janrest at Jergo/tuniorangugos.
- Patter Regulations: Alabama Department of Exploremental Management. Telephone number: 334271-5035 and on the Internet at http://www.adem.nast.uc.at
- Pater Toxing Alabamu Department of Public Noath. Tolytowe number (3)44(3)(375
- Fahr-Quality Date: Grofegical Jarrey of Alabora. Toujacus summer: 205/50/2022 and on the Interact at http://www.goa. metabone.etst

Paraw Association Geological Survey of Alaborus, U.S. Geological Survey. Purative and Climater National Climatic Data Center and on the Internet at http:// www.modic.mosa.gov.fewithmail Regional Climate Create on the Internet at http://water devication.co.filewater/enco. Water ProDuction and Protection Alabama Nonpoling Source Neurolectre, Center for Desiconnected Neuron and Service, Proy Sant Deterring, Proy AL 20082.



Designer Street at Spec

SURFACE WATER

Resource for Today and Tomorrow

Arrestal Range In Justice



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Water In Our Lives

use merflete water för drödlog uutter frörert and takes besome tvo pollutind. Rey canoor be unof at woter are necessary to methoder our quality of resources, the result of abundant ratio and persention, and irrigation, slathame rowhilm, in and physics, almost half a multipe acres of used for literated, debing boating irritation, and Needy 80 percent of the farth is covered with under the only 3 perimers? the family true where of under it freeb summer abundant register of freeb 10% Alabama it histori with presidul ware supportant riters and diversal. The riters are used for braving, fishing, fixed control, someorcial harge resupertation, hydrochetric power addition to search \$0,000 million of personality history reservoirs, lister, and possib. These water bodies are of welding. Hour same of nurface unsite requete that the uniter he obsets. Phily air personal of Alabamaians ming and provide babiat for a trials versity ŝ

ETOWAH COUNTY -



SELECTION AND APPENDENT AND COMMON AND APPENDENT AND APPENDENT APP

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the second itsepart/tood on record (the 1590,0000 has a base 1.6

Rood probabilities are calculated for a graph place. For essengin, al Greece, Greece County

Most front to the main are regioned by under to perigravity and the proved remains used Then the the operagrand the proved remains and Then modula? It has an another of the same interactionally reast of the submetted protect. Many amplitude optimum (required storms, and humicanus) made insulfat its result atoms and humicanus) made protect (required storms, and humicanus) had protect from the protect is measured by at the time to the storm and the submetted by the time. By contrast, drought weakly from a long period (number or nears) of 2004 or no rearging. The two graphs below show sariation core neared decades as procipitation and drought conserveur in push Adalents. Long periods of Paph or Day procipitation affinised for drought budies for this regime.





When no ratin fulfit, utily all risors contribut to filture During cheme of Itau Jose and Illife resigned, liable usater involt and attenues four and million and by growed unity, which angu itau take and risor links. Propole usuald life to be able to predict flood to minimize the distruction shap outs result. Production of major floods in algorithm between floods come at implicit flood the provent channel floods come at implicit flood of a content magnitude of producting) that a flood of a content magnitude bright recorded flood of a content magnitude flood ideat have been recorded at flibs, Cogfte Conserts to the graph, there to absent content and out of the flood ideat have been recorded at flibs, do not the flood ideat have been recorded at flibs, do not to the graph, there to absent on the macriment are flood ideat have been recorded at flibs, do not to the graph, there to absent on the macriment is to the graph, there to absent on the macriment is to the graph, there to absent on the flips dual to the graph, there to absent on the macriment is to the graph, there to absent on the macriment is to the graph, there to absent obsent is flood at a flips is not give grant at the 1000 flood will not built at the 100 flood will not at heat at grant at the 1000 flood will not

pertont. In a given year there is a 5.6 percent chence that a food at least as preat as the 1350 flood withroar The advitey is accountify prudict specific flood meets and their magneticades around adress offeres in rules inger at present thereaders are surpleased or one of processingly and rules have a signal for one of processing have present from the and. One and sparses has been included as the control of other well necessar the amount of time and mericing general states to prepare for a front.

an the graph The highest recorded flow is morth the possible range of uniter levels in visual the and manuscrime from over a fully an period. The regular seriation in flow with the associat (bigh devices can keep flood waters out of places they finally before about much by any super mater interfor the Rombighos Russ at Cofficiently in Clerks County The points on the graph represent the anemager of the mumility satisers of minimum, mount subtant four steraged (see 7 days are about 100 these the locent Value estimation food River management must lishe this envire range into Controlling the effects of floods is another wep in present harms in yought and property its most in waters. Dami, Jenner, and other flood control dow't belong, little city attentic' Proper dongm of flood the bighter (her ever recently, and the lives) protection and and any appropriate and an and an and an appropriate and an appropriate and an appropriate and its apring and low in fail is obvious. In addition





Outstifter why do we have off-de sedment and modely water (tethtifte) problement The answers are in the pictures below and to the right.



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Aburdoned Fleids In the UnherkAprickanisFarest exertion and Linear Construction









TH ---



A problem situation may have been left out but you should get the picture Bediment and muddy water (turbidity) come from the land that needs strewardship of our soil and water.

Alabama is bleased with abundant mintall, meaks, rivers, takes, and reservoirs. Erosion problems should be addressed

What Can You Do?

All incidentes, Control evolution and related of-oth suddreard delivery at your shim.

Planner and designers of construction alless Develop plans. Hail use sound technology to solarize errolon and sedment delivery.

Development: Ensures that your needs developed sales on not oreate sediment and hallody problems Contractions: Invatil and maintain heat management prections (BiePT) according to the stormwater policies prevention plan.

Local governments, Ensure that your reputations are sound and effectively tolowed

M.Aldama officers, Support look and sam programs of soil and water conservation.

Vol Per whole of the Alabora foil and Water Conservation Converties for large to partnership participants www.secs.combarra.gov This producer was developed under the insidentity of the AL. East 4 Water Conservation Connections with support of the Ensons and Selection Connections are supresentance presented in the Network Connections are supresentances from the entities below.

With earlierous from the second trans Voyes May and Advention

Brocknes particly tracked for the Alabama Department of Environment Management Brough 4 Chev Viran Au Bankas J 1001 surgeon source prior provided for the U.S. Environment Protection April Provided April

Let's Look at Sediment!









ETOWAH COUNTY - DOCUMENT SET 1-7

Sediment Secliment

Sediment

Why All The Fuss?

pollutions in our streams, lakes, and water courses." Vie shor/wer, "Sediment is the netion's https://

county governments countees dollars. Sediment Impacts the ecvironment It costs land owners and local and

This brochurs has then purposed.

- Haiji reachers guin a fieller understanding of Pie J Opport with sector problems and •
- little class second with of our land and water **MANAGE** .

Sedment is the soll particles that are detected during the ecosion process. These particles are depredied and overs. Some sections maches the Cad pomenters down the steps. Usely troations for sediment deposits include dishes, pords, lates,

ETOWAH COUNTY - I

And side address and table water and only and other address and the particular address and table and table address and table address a

raidentd non-point politischi. These politikets And a second sec

These related process of encion is accelerated by futures disarcheron of the said. The resulting sedenent Accelerated ecosion, sediment, and histolity and turbidity are harmful to aquatic life in streams. resonation, estimation and beys of Alabama.



Mobile Ray or other layer in the Quif of Meeting while boar waterways and anotices and many that Nowrooteam, mayde th COMMUNICATION OF THE OWNER Name a point į



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Environmental Problems

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breathe. Publicity-cemilities sport that such as beas and Reduces Populations of Genetive Sport Fash breart are often replaced with now politizer takenet spanning and sectors which is which and damaged furh pile, affecting the stallity of fain to freed and and least provier carp and success.



and expand corper depired "anterio power" commonly called "Need zones" in the Gulf of Mexico. restimine such as heavy restain and diversingly return our estimation. These publication affect diversing we and surface water quadry, correlation to increased werer treatment costs, fish consumption achilantes, Transports Harmedy Levels of Pollutients Dedinent carbos peringents, nuclears, and bials



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TO LEARN MORE: • www.epa.gov/owow/tmdl • www.epa.gov/region4/water/tmdl • www.epa.gov/region4/water/tmdl • www.TMDL.net • www.TMDL.net • Telephone 334-394-4360
TO LEARN MORE: • www.epa.gov/owow/tmdl • www.epa.gov/region4/water/tmdl • www.epa.gov/region4/water/tmdl • www.TMDL.net • www.TMDL.net • www.TMDL.net

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Section 303(d) of the 1572 Clean Water Act Requires: The device a langued Warm but do not use the quality translated areas when the had not use when quality translated areas when the had not use quality translated areas when the had not a ware quality translated areas when the had not a set quality translated areas when the had not a set quality translated areas when the had not a set quality translated areas when the had not a set quality translated areas when the had not a set of had not a set quality translated areas when the had not a set of the proverse the had not a set of the proverse are the had not a set of the proverse are the had not a set of the proverse are the had not a set of the proverse are the had not are prediction. A translation, when set the of the proverse are the had not are prediction to the had not are provided in the had not are prediction. A translation of the proverse are are are are are are are also below the had dependent on the had not are provided in the notion of the had not are provided in the notion of the proverse				HOW ARE TWDLs ESTABLISHED?	A mathematical water quality model of the waterbody in constructed. The model is used to predict here various pollutants effect water quality and also prevides a maximum pollutant loading target is order for the waterbody to meet or encode water quality standards and use damification.	TMDL = Load Allocation (porpoint sources and natural background source) Margin of Safery	A TAGTL implementation place will be developed. The plan will identify sources and current of the pollutant of concern and provide a meaning for implementation of practical management measures needed for the worshody	to meet or encored water quality standards. Management measures may include upgrading of watewater measures may include upgrading of watewater measures taking and an anotheritaria. Clinter iterative packing areas, or lead disradonor sine; or using enforceable authorities and mechanisms. Clinter involvement, education and centreach, and pollution pervention are key components of All TMDL involvement, education and centreach, and pollution pervention are key components of All TMDL involvement and an assessments are critical in demention flam.
The state have a state of the s	Section 303(d) of the 1972 Clean Water Act Requires: • Sum to denity a List of Impaied Water that do not me water quality standards even when technology-base pollation controls are in place.	 States to prioritize their List of Impaired Waters for development of TMDLs. 	 States to develop a TMDL for each pollutant causing violation of a weter quality standard. 	 The RDA to approve or disapprove the state's List of Is paired Waters and any TMDMs developed by the state. the EFA disapproves, they will establish a new List and/o develop new TMDLs for the state. 	HOW DO WATERS GET IMPAIRED? Pollonen may enter waterbodies from menicipal waterwater promoter facilities, industrial discharges, wate disposal rites, as tremwater resoft. This is called goint assess pollution becau the pollonent are discharged from a distinct "end-of-pipe discharge point.	Pollistant may enter waterhoden from mary and varied source As rainfall runoff moves over the surface of the grouns pollutants ruch as animal wate, litter, perioferum product metals, ferilitiers, periofeles, pathogens, and sediment may b pidaed up and transported to a meetining waterhody. This is calls surposed a assess pollution. Agriculture, urban/construction	Reservy, mining, hydrologic/habitat modification, land dispose and other land use activities contribute to this type of politiko In some instances the distinction between point and noopoli nource pollution is unclear. Such is the case with centre arguin treatment systems (septic tanks, field lines), armospher treatment systems (septic tanks, field lines), armospher treatment systems (neiteral leading, withith impact).	Falurations



When quality momitoring data is collected and compara with state water quality standards. If any standard, violated, the waterbody is placed on the state's Sectio 303(§) List of Impaired Water. Once a waterbody is placed on the List of Impaired Waters, a TMDL is calculated to determine the amount of pollutant that a waiterbody can assimilate and still more state water quality translards.

A TMDL establishes a "pollution budget" for each polluture crusteg a water quality impairment. A TMEL will address both point and nonpoint nource pollution. It identifies specific pollutants (e.g., perioddes, pH, armonia, etc.) and lisks them to their nources (e.g., parture/srow crop runoff, surface mining runoff, waterweit discharge etc.). A single warehody or sreem segment may have several TMEDLs developed if it is impaired by more than one pollarant. A TMEDL will be developed to address barraria, machined orrgen, statistica, pH, metal, sublidity, or other Optimisers, separately and distinctly.

ELOMAH COUNTY - DOC MENT SET





removed from the farm and pripped to a The cost of electricity, pick-up fees and the absence "rendering facility which must be located nearby of the composted bi-product are considerations.



formenting process allows time consuming method of dead bird disposal. The is a relatively safe but



fermentation requires a "rendering plant be ocated close by Agein, the advence of a valuable compost bi-product, labox, and transportation costs for longeems carcats storage. Like rehigeration Int considerations.

ETOWAH COUNTY

DOCUMENT INTERNATION Contact





of the most biologically tafe methods dead bird dipotel. This method completely ŝ 8 30



by. The size of the burner veries upon the size of the poutry farm. Oil, netural gas and propene are all destroys pathogers and does not affect werer qualacceptable fuels for combustion, however, the rising cost of fuel, the absence of the composted bi-product and possible air quality issues are considerations

BIN COMPOSITING

is one of the most commony practiced methods of dead Viteen gridinu Jissocab brid accessible ingredients, composting is a natural process



that kills bacteria and visuass with hear in excess of 130 degrees fahrenhet. This yelds a viable byproduct way minimal or no water quality issues. After the Intitle Investment The main cost of this properly managed method is labor



tary and a thre saving Imperatures in excess of 130 method of dead bird disposit. Navitalian III prospositing

poset minimal or no water quality itsues. This is a cost ta and viruses. Properly land applied, the compost competitive disposal method for 4 to 8 house operations. degrees farmened at bacte-





& Dollar Dead Birds

Poultry Disposal Alternatives



17 to 42 million birds require disposal in Alabama each year

impacts the environ-Otherne poultry farm-15 produce over 850 birds requiring disposal. Improperty handling mation brokers each rest. Monadors aver and 42 million deed monalities not only age from 2% to 5%. there are between 17 which means annually



Dev. Incrementon, bin composting and invessel or num composting. To assist with the costs of the autocost, the Nasural Resource Conservation Service LIRCS) in cooperation with the local Soli & Wasser Allowers methods may be derived. There are any methods or practices in use their maintain a little environment, they are refrigeration, fermenta-(SWCD) administers 40/60 grants which may assist The methods of disposal vary from farm to farm daly, weekly, monthly, and amually to operate a formation, the approximate numbers and weight the binds to be disposed of, a cost per pound for based upon two factors, time and money. One amount of money required to implement and inperate a chosen method. Armed with this as does the associated costs of each method. The determine the amount of time required choten method. One must also determine the ment we must live in, it also impacts our walkets decision of which disposal method to use is primarily Spreetvedon District FOUR cost share qualified applicants. time

WIDC3 Initial Castle = centil include building, utab. at researchet, incluteration, thermer, cannous 2,0500 5 18,2500 5 2 houses or © 40,000 birts 2 2,3115 2 2,4120 5 18,250 5 4 houses or © 40,000 birts 2 2,3115 2 18,250 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 <	April matrix Land Section Land Section<	stampooher 5 3,500 5 4,500 5 4,500 5 3,500 5 3,300 5 1,105 5 1,105 5 1,105 5 2,500 5 0,610 5 0,610 5 0,610 5 0,610 5 0,610 5 0,610 5 0,610 5 2,605 5 0,610 5 2,605 5 2,605 5 2,605 5 2,605 5 2,605 5 2,600 5 2,600 5 2,600 5 3,500 5 3,5000 5 3,5000 5 3,5000 5 3,5000 5 3,5000 5 3,	 \$ 2,000 \$ 2,000 \$ 7,000 \$ 2,000 \$ 2,000 \$ 4,200 \$ 4,200 \$ 4,200 \$ 2,646 \$ 2,646 \$ 2,646 \$ 2,646
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Gadsden-Etowah Storm Water Steering Committee Meeting

AGENDA

July 28, 2016 10:00 a.m.

Gadsden City Hall, Room 411



Call to Order

Presentation on Water Monitoring by Gadsden Water Works and Sewer Board

- Permit Update
- 2017 S&ME Proposals
- Remarks by Committee
- 📭 Calendar
- Adjournment

PAGE 1 OF 2

ATTENDANCE RECORD FOR STORM WATER STEERING COMMITTEE THURSDAY, JULY 28, 2016, 10:00 A.M. ROOM 411, GADSDEN CITY HALL

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How Do I Get Stormwater Permit Coverage for My **Construction Site?**

& Construction Site Operator's Guide to EPKs Stormalater Permit Program

Who needs permit coverage?

If your construction project disturbs:) or more acres of land through clearing, grading, excovating, or stockpiling of fill material, you may need permit coverage, Remember to count the screege of the entire project even if you are responsible for only a small portion.

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ETOWAH COUNTY - DOCUMENT SET 1-9







WASTE COLLECTION & RECYCLING GUIDELINES FOR ETOWAH COUNTY, AL

GUIDELINES FOR CURBSIDE GARBAGE SERVICE

Curbside Garbage Service

- Pickup once per week in provided 95-gallon cart.
- Place cart curbside by 6:00 a.m. of your scheduled garbage collection day.
- All garbage must be in cart to be collected.
- Items NOT accepted for pick-up include: hazardous waste, medical waste, tires, yard waste or bulk waste.

Additional Services

There are four county-wide clean up days annually where five (5) sites with large containers will be available for residents to dispose of builty waste items. Locations and dates will be announced in the Gadsden Times prior to the scheduled dates.

To contact Advanced Disposal regarding solid waste service, please call 800-333-7736

HOUDAY SCHEDULE

There will be no pickup on the following holidays:

For example, if Christmas Day is Tuesdw, and your normal pick up day is Wednesday, you will be serviced on Thursday. Customers who are normally serviced on Friday will be

serviced on Saturday.

ROUTES WILL BE PUSHED BACK ONE DAY FOLLOWING A HOUDAY

New Year's Day

Independence Day Memorial Day ETOWAH COUNTY - DOCUMENT SET

Labor Day

Thanksplving Day 1-11

Christmas Day

1.00

On May 7, 2016 Advanced Disposal will have open top containers at four locations between 7:00 a.m. and 12:00 p.m. for residential clean up of household trash. This is for the use of citizens in unincorporated areas of Etowah County. The sites will be manned and only vehicles with Etowah County tags will be allowed to use the sites.

The locations will be:

Leeth Gap and Sardis Road-Across from old County Shop Intersection of Hwy 278 and Hwy 132 Whorton Bend Volunteer Fire Department Gaston High School at Hwy 411 North

Tires, batteries, appliances and hazardous waste will not be accepted at these sites.

On August 6, 2016 Advanced Disposal will have open top containers at four locations between 7:00 a.m. and 12:00 p.m. for residential clean up of household trash. This is for the use of citizens in unincorporated areas of Etowah County. The sites will be manned and only vehicles with Etowah County tags will be allowed to use the sites.

The locations will be:

Leeth Gap and Sardis Road-Across from old County Shop Intersection of Hwy 278 and Hwy 132 Whorton Bend Volunteer Fire Department Gaston High School at Hwy 411 North

Tires, batteries, appliances and hazardous waste will not be accepted at these sites.

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On November 5, 2016 Advanced Disposal will have open top containers at four locations between 7:00 a.m. and 12:00 p.m. for residential clean up of household trash. This is for the use of citizens in unincorporated areas of Etowah County. The sites will be manned and only vehicles with Etowah County tags will be allowed to use the sites.

The locations will be:

Leeth Gap and Sardis Road-Across from old County Shop Intersection of Hwy 278 and Hwy 132 Whorton Bend Volunteer Fire Department Gaston High School at Hwy 411 North

Tires, batteries, appliances and hazardous waste will not be accepted at these sites.

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On February 4, 2017 Advanced Disposal will have open top containers at four locations between 7:00 a.m. and 12:00 p.m. for residential clean up of household trash. This is for the use of citizens in unincorporated areas of Etowah County. The sites will be manned and only vehicles with Etowah County tags will be allowed to use the sites.

The locations will be:

Leeth Gap and Sardis Road-Across from old County Shop Intersection of Hwy 278 and Hwy 132 Whorton Bend Volunteer Fire Department Gaston High School at Hwy 411 North

Tires, batteries, appliances and hazardous waste will not be accepted at these sites.

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(A) (1)


Advisory Message: Prescription Drug Take-Back Day Saturday

1 message

Etowah County Sheriff's Office <etowah-county-sheriff's-office@emails.nicle.com> Thu, Oct 20, 2016 at 3:12 PM Reply-To: no-reply@emails.nicle.com To: mail@etowahcounty.org

Massage sent via Nixle | Go to Able own | Unsubscrip Thursday October 20, 2016, 3 11 Pts Etowah County Sheriff's Office Forward Advisory: Prescription Drug Take-Back Day Saturday National Take Back Initiative ofes. October 13, 3000 Dear Robert Nail, #1# a.s. 1# g.m. Wheren Hart Cadada's Web Wart (Etowah County, Alabama) The Etowah County Sheriff's Office and Drug and by Strengt Capity Manuf 1 1984 Enforcement Unit are asking Etowah County citizens to participate in National Prescription Drug Take-Back Day. g your second of and based process modulations, controlled as pure the reserve andications for THEE, proper depend. No-Question, Miles! Raw 82 will be happing and descent Rig as provide processing about he The event will take place on Saturday, October 22nd, from 10:00 a.m. to 2:00 ning photolic Approximity from Except of some branchilds p.m. in the parking lot of the East Gadsden Wal-Mart. state and by the "This is a great opportunity for individuals who have accumulated unwanted, unused prescription drugs, to safely dispose of those medications," says Shariff Todd Entrekin. "People can also bring their outdated over-the-counter medications to be disposed properly." A law enforcement officer will remain with the drug disposal box at all times, and the drugs that are turned in will be treated as evidence and properly disposed of. The National Take-Back Initiative is designed so law enforcement officers will not handle the medications at any time, and there is no cost for those who wish to turn drugs in.

Shertf Entrakin adds, "Those wishing to dispose of drugs can bring the original containers, but any identifying information should be removed."

According to the U.S. Drug Enforcement Administration website 51 law enforcement agencies in Alabama participating in the 11th take back event in April 2016, collecting 4,494 pounds of unused prescription medication.

The website, http://www.deadiversion.usdoj.gov/drug_disposal/takeback/, also says the National Prescription Drug Take-Back Day aims to provide a safe, convenient, and responsible means of disposal, while also educating the general public about the potential for abuse of these medications. Sheriff Entrekin states,

"This event is one way Etowah County citizens can help our narcotic agents keep the illegal use of prescription medications out of the wrong hands and off our streets. I encourage everyone to clean out their medicine cabinets and get rid of unused medications."

--END--

For full details, view this message on the web.

Seril by Elsewah County Sheriff's Office 827 Forest Ave, Gadeden, AJ, 30901

To manage your email settings, club here. To update your account settings, login here. If you prefer not to receive future emails, unsubsorbe here.

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The Gadsdey Times

DEA National Prescription Drug Take-Back day Saturday

Thursday

Posted Apr 27, 2017 at 6:08 PM Updated Apr 27, 2017 at 6:10 PM

By Times Staff Report

This year's 13th DEA National Prescription Drug Take-Back has 82 collection sites available in Alabama from 10 a.m. to 2 p.m. Saturday.

Locally, the Etowah County Drug Enforcement Unit will be set up outside Walmart in East Gadsden to collect expired or no longer needed prescription medications.

The program is sponsored by the U.S. Drug Enforcement Administration to combat the abuse or misuse of potentially dangerous medicines or controlled substances that have expired or are no longer needed. Law enforcement officers will be present at sites throughout Alabama to receive unused prescription drugs for safe and proper disposal.

Since the first Take-Back event in Alabama, in September 2010, the program continues to increase in the amount of drugs collected, according to a news release from the attorney general's office.

DEA Prescription Drug Take-Back events last fall in Alabama collected an estimated 3,545 pounds of unwanted, expired or unused drugs for proper disposal. Throughout all of Alabama's previous DEA Prescription Drug Take-Back events, about 47,425 pounds of unwanted, unused or expired drugs have been removed and safely disposed of.

"Prescription Drug Take-Back is a valuable public service that protects our children, our homes and our environment," Attorney General Steve Marshall said. "As a prosecutor for 16 years, too often I have witnessed the tragic results PAGE 3 OF 8 ed by the availability of dangerous controlled subsettioner COUNTY PDOCUMENT SET 1-12 drugs are left in our homes, children and teenagers may be poisoned or fall prey to drug abuse and addiction. Your old medications can be a lure to criminals looking for drugs to use or sell.

"This Saturday," he said, "please take the opportunity to remove these hazards by bringing prescription drugs that are out-of-date or no longer needed to collection sites for their safe and proper disposal."

Law enforcement agencies and interested community partners such as pharmacies, schools and civic groups are working together to provide as many local sites as possible throughout Alabama. Each site will be supervised by a law enforcement officer because of the involvement of controlled substances.

Deliveries of drugs to DEA Prescription Drug Take-Back Day events are confidential, with no personal information collected and no questions asked. Participants are encouraged to remove labels or black out information beforehand.

Many teenagers and young people who abuse prescription drugs get them from family and friends, or from their home medicine cabinets. Prescription drugs pose dangers to children and others who may take them by accident or who may use them for abusive purposes.

Expired drugs may have lost their effectiveness and will no longer be a safe and adequate treatment for the conditions for which they were prescribed. Along with concerns of potential poisoning, abuse or overdose, it also is important environmentally that medicines be disposed of in a proper manner rather than simply being thrown into garbage, flushed away or poured down drains. They could contaminate water supplies and cause an environmental hazard.

A listing of sites can be found at

WRACHO | Magic City Weekend Deals | Cantents | LawCall | Roing Star | BCBS Be Healthy | Adventise





FUEL FORECRIT

Search

Find your local Prescription Drug Take Back Day location

By Brianne Denley, Digital Content Producer COMMON

BathAlloGHAM, AL (MBRC) - Law enforcement officials across the nation will be taking back your unwanted and unused prescription drugs on Saturday.

The annual National Prescription Drug Take Back Day will run from 10 a.m. to 2 p.m. at most locations. We have listed the many locations in our FCOS viewing anna.

Don't see your local law enforcement on the list? Give them a call or search on the DEA's website.

Beasemer Police Department Bessemer - Emergency Operations Center, 651 9th Avenue Southwest Bessemer Al, 35020 Birmingham Police Department - East Precinct 600 Red Late Road, Birmingham AI, 35215 Birmingham Police Department - South Precinct 1320 19th Street S., Birmingham AJ, 35205 Birmingham Police Department - North Precinct 2000 31st Avenue N., Birmingham Al, 35207 Birmingham Police Department - West Precinct 616 19th Street Ensley, Birmingham AL 35218 Calera Police Department - CVS Pharmacy, 8370 U.S. Highway 31 Calera AJ, 35040 Calhoun County District Attarney - 7th Circuit Calhoun County Courthouse North Entrance, Near Ragpole 25, West 11th Street Aneigton Al, 36301 Calhoun County Sheriff's Office - Quintani Mall, 700 Quintani Drive, Oxford Al, 36203 Map Clanton Police Department - CVS Parking Lot, 1105 7th Street North, Clanton AJ, 35045 Caliman Police Department - 601 Second Avenue NE., Caliman AJ, 35055 Cullman County Sheriff's Office - 1910 Beech Avenue SE, Cullman AJ, 35055 Cossa County Sheriff's Office - 296 School Street, Rockford AJ, 25136 Map Demopolis Police Department - Walmart, 969 U.S. Highway 80, Demopolis AI, 36732 Fultondale Police Department - 1210 Old Walker Chapel Road, Fultondale Al, 35068 Etowah County Drug Enforcement Unit - Walmart 340 E. Meighan Blvd. Gadsden AL 35903 Gardendale Police Department - 1309 Decator Highway, Gardendule AJ, 35071 Hoover Police Department - 100 Municipal Lane, Hoover AJ, 35216 Jacksonville Police Department - 116 Ladiga Street SE, Jacksonville AJ, 36265 Jasper Palice Department -1610 First Avenue, Jasper Al, 35501 jefferson County Sheriff's Department - Besserver, 1822 2nd Avenue North, Besserver Al 35020 Jefferson County Sheriff Department - 2651 Center Point Road, Birmingham AI, 35215 Jefferson County Sheriff Department - 5977 Eastern Valley Road McCalla Al, 35111 Lineville Police Department - 40 Second Avenue, Lineville AI, 34365 tdidfield Palice Department - 725 Besomer Super Highway, Birmingham Al, 35228 Meuestain Brook Police Department - 101 Tibbett Street Birningham AL 35213 Piedmont Police Department - 121 West Ladiga Street, Piedmont Al, 36272 PAGE 5 OF 8 ETOWAH COUNTY - DOCUMENT SET 1-12

Shelby County Drug Enforcement - CVS, 4685 Highway 17, Helena AI, 35080 Shelby County Drug Enforcement - University Of Montevallo On Main, 737 Main Street Montevallo AI, 35115 Shelby County Drug Enforcement - Pelham Police Department, 32 Philips Davis Dr., Pelham AI, 35124 Map Shelby County Drug Enforcement - CVS Pharmacy, 520 Highway 119, Alabester AI, 35007 Tallapoosa County Narcotics - Rite Aid Pharmacy, 4441 Highway 280, Alexander City AI, 35010 Trussville Police Department - 131 Main Street, Trussville AI, 35173 University Of Alabama Police Department - Freet Lobby, 1110 Jackson Ave., Tuscaloosa AI, 35487 West Alabama Narcotics - Weigneens, 3107 Luceen Wallace Bird, Northport AI, 35476 West Alabama Narcotics - Kmart, 635 Skyland Birdt, Tuscaloosa AI, 35401 West Alabama Narcotics - CVS Pharmacy, 988 Viterane Memorial Parkway, Tuscaloosa AI, 35404

Vestavia Hills Police Department - Vestavia Hills City Hall, 513 Montgomery Highway, Vestavia Hills AL 35216 Vestavia Hills Police Department - East Precinct, 3261 Calsaba Heights Rd., Calsaba Heights AL 35243 Copyright 2014 <u>WBIC</u> All rights reserved.



The Gadsdey Times

ECSO participating in National 'Drug Take-Back Day'

Tuesday

Posted Oct 18, 2016 at 5:42 PM Updated Oct 18, 2016 at 5:43 PM

By Times Staff Report

The Etowah County Sheriff's Office is offering a safe way to dispose of unwanted, unused prescription medications Saturday, as it takes part in National Prescription Drug Take-Back Day, with a drop-off point from 10 a.m. to 2 p.m. in the parking lot of the East Gadsden WalMart.

"This is a great opportunity for individuals who have accumulated unwanted, unused prescription drugs, to safely dispose of those medications," Sheriff Todd Entrekin said. "People can also bring their outdated over-the-counter medications to be disposed properly."

A law enforcement officer will remain with the drug disposal box at all times, and the drugs that are turned in will be treated as evidence and properly disposed of.

The National Take-Back Initiative is designed so law enforcement officers will not handle the medications at any time, and there is no cost for the disposal.

"Those wishing to dispose of drugs can bring the original containers, but any identifying information should be removed," Entrekin said.

According to the U.S. Drug Enforcement Administration website, 51 law enforcement agencies in Alabama participating in the 11th Take-Back event in April collected 4,494 pounds of unused prescription medication.

"This event is one way Etowah County citizens can help our narcotic agents keep the illegal use of prescription medications out of the wrong hands and off our streets," Entrekin said. "I encourage everyone to clean out their medicine PAGE 7 OF 8 cabinets and get rid of unused medications."

According to the Centers for Disease Control and Prevention, deaths from prescription drug overdoses have reached epidemic levels in the United States with more than 28,000 fatalities in 2014, more than any year on record. At least half of all opioid overdose deaths involve a prescription opioid. Alabama had a 19.7 percent increase in deaths from 2013-2014.

Blue Cross Blue Shield of Alabama is a supporter of the DEA initiative. Prescriptions should be securely stored and properly disposed of, but they often are flushed or thrown in the trash, which can pose additional safety risks to individuals and the environment, according to a press release from BC/BS.

Easier access to prescription drugs is one contributing factor to drug overdoses quickly becoming the leading cause of injury death in the United States.

"Expired and unused prescription drugs left in homes can often get in the wrong hands which can be harmful and even deadly," Dorinda Cale, director of Pharmacy Benefit Management, Blue Cross and Blue Shield of Alabama, said. "We encourage everyone to take this opportunity to properly dispose of all medications in their homes that are no longer needed. This also includes overthe-counter medications."

Take-Back Day participants also will help protect their local agriculture and water supply, as the proper disposal at Take-Back sites will keep them out of the water system.

Our Programs

Spring Cleanup



During the 2016 'Don't Drop It On Alabama' Spring Gearup, EI counties participated and have reported that over 368 tons of litter and debris were picked up-buring this annual statewide effort. We would like to thank the thousands of volunteers that participated in the 3016effort. These volunteers and coordinators gave of the their time and resources during this 2 week state cleanup effort. It is due to this personal commitment that over 360 tons of liker was removed from our state-highesiys, county roads, cities, counties and communities all over Alabama. Each year, this annual effort save the toppigers in Alabama millions of dollars in cleanup costs.

Thurits to Handa Manufacturing of Alabama for once again leading the way as Title Sponsor of the effort, as well as the Alabama Department of Transportation, ALFA, Valcan Materials Company and Alabama Farmers Cosperative for their dedication to miking Alabama truly "Viatiama the Beautiful."

Thanks to each volunteer for you are truly "Making a Difference."

The "Don't Drop It On Alabama" Spring Disanap is held in April each year and is available to all Alabama cities, counters and communities. All supportive closing materials are provided at no cost to all participants and include large trush large, car type litter dags, all PACS brochures, Ad Slicks and other materials soluble for a successful cleanup week.

Each year this annual effort saves the Alabama targayers millions of dollars through the cleanup efforts of thousands of dedicated valueteers participating in this event.

Please let us know how we can best serve you and your community during this annual effort.

Sponsored By



ETOWAH COUNTY - DOCUMENT SET 1-13

AAMP 1-1

ETOWAH COUNTY ADOPT-A-MILE PROGRAM TERMS AND CONDITIONS

The Etowah County Commission, hereinafter called the "Commission", and , and other participating organizations hereinafter called the "Group/Individual," recognize the need and the desirability of litter-free highways and are entering this Memorandum of Terms and Conditions to permit the Group/Individual to contribute toward the effort of maintaining litter-free highways.

By execution below, the Group acknowledges the hazardous nature of the work and agrees to the following terms and conditions:

Participants in the Group/Individual agree to obey and abide by all laws and regulations relating to safety, and such terms and conditions as may be required by the County Engineer for special conditions which may pertain to a particular indopted section.

When participants are 15 years of age or younger, the Group shall famish a minimum of one adult per five children.

The individual participants must attend a safety meeting and must execute a release form before participating in a cleanup.

Groups/Individuals may adopt a section of roadway that is one or more miles long on both sides of the roadway.

Groups/Individual shall be required to adopt for a two-year period.

The Group/Individual agrees to pick up litter at intervals of at least once per month to keep their adopted mile(s) essentially litter free.

The Group/Individual may obtain required supplies, including reflective vests and trash bags from the Commission at the Keep Etowah Beautiful Program office during regular business hours.

Traffic control signs shall be installed by the Group/Individual during a cleanup and may be obtained at the County Engineers Office during regular business hours.

Individual participants shall wear reflective safety vests during the trash pickup.

AAMP 1-2

The Group/Individual may leave filled trash bags at the adopted site for pickup and disposal by the Keep Etowah Beautiful Program. Contact the Keep Etowah Beautiful office at 256/439-6098 or 256/549-0900 to notify them of trash bags to be picked up.

Unused materials and supplies and all portable signs, vests, and other equipment furnished by the Commission shall be returned to the Keep Etowah Beautiful Program at the termination of the agreement.

The Commission will accomplish the following:

Furnish and erect a standard Adopt-A-Mile recognition sign at each end of the adopted section with the appropriate name or acronym of the participating organization displayed.

Provide release forms for participating individuals within the Group/Individual.

If, in the sole judgment of the Commission, it is found that the adopting Group/Individual is not meeting the terms and conditions of this agreement, upon 30 days notice the Commission may terminate the adoption agreement and remove the signs. The Commission reserves the right to modify or cancel the Program at any time.

The Commission recognizes the undersigned group as the adopting group for all other participating organizations within ______; and the Group/Individual accepts the responsibility of promoting a litter-free environment in the community for a period beginning ______20__, and continuing for a minimum of two years.

NAME OF GROUP/INDIVIDUAL

COUNTY ENGINEER ETOWAH COUNTY ROAD DEPT.

By: Authorized Signature for the Group

CHAIRMAN ETOWAH COUNTY COMMISSION

Address

Telephone Number

AAMP 2

ADOPT-A-MILE PROGRAM APPLICATION FOR ROADWAY ADOPTION

City	
County	
Applicant (Participating Organizatio	m)
Mailing Address	
	<u>82</u>
Telephone Number	
Roadway Section(s) you propose to	adopt (minimum of one mile both sides)
County Road Name	
Milepost Number(or address)	to Milepost Number(or address)
County Road Name	
Milepost Number(or address)	to Milepost Number(or address)
Authorized Signature of Applicant	
Recommended for Approval	
the second second second	Adoption Organization
Appeoved:	division Providences
	Etowah County Road Department

AAMP 3

RELEASE

I, the undersigned individual hereby acknowledge that I am a voluntary participant in the Etowah County Adopt-A-Mile Program sponsoring the pick up of litter along the Roadways of Etowah County. I willingly assume full responsibility for my safety during my participation in the Adopt-A-Mile Program.

I do hereby release and forever discharge the County of Etowah, including the Etowah County Commission, its officials, employees and agents; the group or organization participating in the foregoing Adopt-A-Mile Program of which I am a member, including the respective members of such group or organization; and any and all other organizations or groups, including their respective members, participating in the foregoing Adopt-A-Mile Program, from any and all responsibility and liability for damages resulting from or in any way connected with my participation in the Etowah County Adopt-A-Mile Program.

WTINESS my hand this _____ day of ______,

Participating Individual



INFLUENCE 2016 PRISONER YEARLY CLEANUP REPORT

2016 TOTALS	Days	Men	Avg.	Miles	Avg.	Bags	Avg.
Program Totals	141	652		751.12	5.33	2,285	16
County Totals	79	372	5	531.61	6.73	1,132	14
State Totals	62	280	5	219.51	3.54	1,154	19

COST BENEFIT	
TONS COLLECTED	34.29
PROJECT PICKUP COST	119,329.20



Alabama Department of Transportation North Region - Cuntersville Area Office of Operations Engineer

23445 Hey. 431 North - PD Box 550 Guntersville, AL 35976 Telephone 256-582-2254 Fax 256-582-8922



John R. Cooper Transportation Director

Robert Bestley Governor

Etowah County MS4 Area Group MS4 Program Coordination Meeting 19 January 2017

Meeting Date and Time

19 January 2017 10:00 am to 12:00 pm

Invited Attendees:

Meeting Location

4509 Airport Road

Gadsden, AL 35904

ALDOT District Office

ALDOT Etowah County City of Attalla City of Gadsden City of Glencoe

City of Hokes Bluff City of Rainbow City Town of Reece City Etowah Soil & Water Conservation District Keep Etowah Beautiful

Agenda:

- 1. Introduction
- 2. Sign In Sheet
- 3. MS4 Update
- 4. Mapping
 - a. Outfalls

5. Illicit Discharge Detection and Elimination (IDDE)

- a. Illicit Discharge Tracking Form
- b. Non-Stormwater Discharge Investigation Form
- 6. Stream Monitoring Opportunities / Update

- 7. Outreach / Partnership Opportunities
 - a. Water Festival
 - b. Stormwater Classes / Seminars
 - c. Flyers and Brochures
 - d. www.cleanwaterfuture.com
- 8. Meeting Schedule
 - a. Need?
 - b. Date and Time?
 - c. Location?

10. Adjourn

PAGE 3	ALDOT Gadsden Area Outfa	MS4 Program II Mapping Kick-of /19/2017	f Meeting
OF 4	Office/Area of Responsibility	Phone	E-mail
Richard Klinger	ALDOT/Maintennice	234-242-4583	Elingerrodot. state al. us
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Jeramy Ward	City of Goddon	226-549-4527	Interd O atty of gadaler can
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PAGE 4	OF 4	havi defeed	ETOWAH COUNTY - DOCUMENT SET 1-16



PAGE 1 OF 2

ETOWAH COUNTY - DOCUMENT SET 2-1



PAGE 2 OF 2

ETOWAH COUNTY - DOCUMENT SET 2-1

Outfall Points

Type	Looation	Outsil D	Latitude	(Sec)	tude MeeRein_in	Access
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Tabriell	Neccente_Fals	KALONDBOB	*	M 006	-451.094	2.06 Land
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Bonitoring	Neetly, Nerry, Lake	53_73	33.8	01352	-BK.D49229	Diand
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RUCT DISCHARGE	NURBLY	PALICENCE.	NURDY	ANJARNY .	PNURSUS	NURDER	MUKELY	PALICELY	PNUKEUT	PNLIKELY		
CATE OF INSPECTION	8/51/2016/u	0/9102/16/8	N/31/2018/M	8/91/2016/0	8/81/2016/9	8/31/2016	8/81/2016/18	8/31/2016[0	\$/31/2016	B/31/2016/8		
INGIN.	WHORTON BEND	WINDRTON BEND	WHORTON BEND	WHORTON BEND	WHORTON BEND	PAINORITON BEND	WHORTON BEND	WHORTON BEND	WHORTON BEND	WINDOUTON BEND		
LOCATION	HERON DRIVE NW	TAID DRIVEL	CLORITY DRIVE	RIVER RIDGE ROAD 1	BEECH INDEE ROAD	CRDSS CREEK LANE	RIVER RUDGE ROAD 2	KIVEN RIDGE ROAD 3	DAKLAND DRVE 2	CHERSIAN DRIVE		
0	1000 34	100.15	600.36	600 ST	000 38	100 39	600.40	600 41	000 42	DC0 41		

2017 INCORCTION LOG 2016-MSA STORM WATER OUTEAU

OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET

Drainage Basil: VIPS A Toyl	E GAA	Outline ECA, Mp
Today's Date: 1/21/16		Time (Millary): Pr.C.
investigators: R. PAEL / I	n. /#3Ta	Form completed by: R . NAJL
Temperature (*F) ² 4	Rainfall (in.) Last	24 hours & Last 48 hours Ø
Laftude:	Longitude:	GPS UNE \$11/73 OPS LMK #
Carriers:	State State and	Photo #s:
Land Use in Outfall Drainage Are	a (Chock all that apply):	
D triducture		Cipen Space
Luten Residential		institutional
Duburban Residential		Other
Commercial		Known Industries

Section 2: Outfall Description

LOCATION	/ MATERIAL	/ BHAPE	DIMENSIONS (IN.)	SUBMERGED
Closed Pige	Direct Director	Circular Ci	Diameter/Dimensions. 25	In Water D No Partially Fully With Sedement D No D Fully D Fully
Open drainage	Concrete Cathen Rip-rap Oter:	Trapezoid Parabolic Other:	Depth: Top:Well1: Bottom:Well1:	
lin-Stream	(applicable when collect	ing samples)		
Flow Present?	TYPE DN	If Nu, Skip to Section	5	
Flow Description (If present)	Trickle D Modera	ee 🔲 Substantial		

Section 3: Quantitative Characterization

	- CALL -	FIELD DATA FOR FLOW	ING OUTFALLS	
PA	RAMETER	REBULT	UNIT	EQUIPMENT
CFlow .	Volume		Liber	Belde
Method #1	Time to 58		Seconda	Stop watch
	Flow depth		Inches	Tape measure
DEan	Figur width		FL In	Tape measure
Method #2	Measured length	*	Ft, In	Tapo measure
	Time of travel		Seconds	Stop watch
74	roperature		4	Thermomotor
	pH		pH Standard Units	Test strip / probe
	Ammortia		.Jem	Test strip

OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET (CONTINUED)

Section 4: Physical Indicators for Flowing Outfalls Only Are Any Physical Indicators Present in the fow? Are Any Physical Indicators Present in the flow? Cost Not Indude Track! INDIGATOR Floatablen Tunnen Color Desir Present If C Onten C Street D 0 Sewage (tollet paper, etc.) Petrolaum (oil sheen) Coner. C Grange DESCRIPTION 1 See severally C Suos C Other Prevenues (If No, Skip to Section 5) Doner 1 - Stight soudiness D 1 - Faint colors in sample bottle - 1- Fair 1 - Fewtläght, Origin not otivisus RELATIVE SEVERITY INDEX (1-3) D2-Cloudy 2 - Clearly visible in 2 - Easily detected 2 - Bome: Indextores of possible such or sample bottle oi sheeri Chigh clear (n.g., storious of sheen, 3 - Noticeasia from a - 3-Opaque - Clearly visible in outful flow deserve CONTRACTOR NAMES

Section & Physical Indicators for Both Flowing and Non-Flowing Outfalls

INDICATOR CHECK If Present	DESCRIPTION	COMMENTS
Quital Damage	Spalling, Credding or Chipping Presing Paint Contrailon	
Departurbulan	D OI D Flow Line D Paint D Other	
D notreday, manuary	C Excessive C Hobbled	
Prost post quality	Coson Coson Postaties Coson Coson	
Plan berebul avouth	Dirowi Dowge Down	

G Unlikely Potential (presence of two or more indicators) Suspect (one or more indicators with a severity of 3) Obvious

1. Sample for the lab? Ves Ves I ves, what time was the sample collected?	Cault dam	TYes her DOBN		D Flow	If yes, unleded hum, intermittent flow into set?	40 14
	h sample collected?	IT YES, WHAT INTO WAS IN	8	11 Yes	Sample for the lad?	10

Section 8: Any Non-Illicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?



FIGURE 2

Ν

Legend

Stormwater

<all other values>

Туре

- Monitoring
- Possible_Out_Fall
- 💧 Rainfall
- GadsdenALUA
- Attalla_CityLiimits
- Glencoe_CityLimits
- HokesBluff_CityLimits
- RainbowCity_CityLimits
- ReeceCity_CityLimits
- Southside_CityLimits
- GadsdenALUA_in_County

	ETOWA	H COUNTY WEBSILE SLOKM WALER	ISSUES REPORTING LOG	
Location	Date Reported	Determination	Action Taken	Followup
Lisa Lane	5/6/2013	Loggers w/ poor housekeeping. Mydraulic fluid leaking towards waterway.	Reported to ADEM	Turned over to ADEM
Rull Play Boad	3/25/2014	Dead chickens illegally dumped.	Chickens properly disposed.	None required
Dick Smith Lane	6/18/2014	Illegal tire dump.	Reported to ADEM	Enforcement by ADEM
Lake Rhea Road	8/19/2014	Fill area with no erosion control	Reported to ADEM	Investigated by ADEM
Edwards Road	9/2/2014	Area cleared with no ension control	Property owner contacted	Owner has graveled area
Brown Avenue	10/22/2015	Property Owner filling area next to creek	Property in RBC - Reported to Kevin Ashley	Turned over to RBC
Sutton Bridge Road	11/9/2015	Property owner cleared trees and area around drainage ditch. No 8MP installed	Property in RBC - Reported to Kevin Ashley	Turned over to RBC
2004 Diselected Have	1/3/2016	Area around Coal Creek-no grass or erosion control	Reported to ADEM	ADEM Complaint Tracking Number 1C- 0085UJQ78
Approx 5330 Owh stollow Brod	4/1/2016	Reported by employee - Oil in ditch across from shooting range	Reported to ADEM	ADEM Complaint Tracking Number 61- 005882H45
Development at end of MoCarver Drive	4/4/2016	Reported by employee - Property on the river being built on. Disturbed soil, mud, no erosion control	Reported to ADEM	ADEM Complaint Tracking Number 61- 001CQ1A46

PAGE 1 OF 1

COMPLAINT # 614011 CQULAR

RECEIVED AT ADEM

MEDIA/DIVISION CONTACTS

April 04, 2016 09:46 AM Received via Web By Web Complaint Water: Drad Stearns 334-271-7945

DESCRIPTION OF COMPLAINT:

Development of land on the Cooka River at the end of McCarver Drive in Gadaden. Disturbed land - mod. No encision control measures in place. There are two separate property owners; Observed: 3-31-2016

Observed 4/4/2016

LOCATION OF COMPLAINT:

Property owners at end of McCarver Drive 160 McCarver Drive (approx) Gadsden, AL 35901 ETOWAH COUNTY

Go North on Highway 411 from Hwy 431 in Gedaden, AL. Turn right on Princeton Ave. Bear right as the road changes to Tidmore Bend Road. Turn right onto Kreekview Drive. Turn left on Daniel Rd. Turn right on McCarver Drive. Site is at the end of the road. Copy and Paste this link for driving directions https://pos.gl/naps/IGHogra956F2

ADDITIONAL INFORMATION:

Problems noted (by Impacted Area):

Water - Construction Sterrmater

POTENTIAL SOURCES

No potential sources have been specified.

ACTIONS

Water

No actions have been recorded.

Back

******************************* Print or Save This Page for Future Reference

Your Complaint Number is: 6I-001CQ1A46

Thank you. Your complaint was submitted successfully.

Please allow five (5) business days for processing and activation of your complaint.

Once processing and activation are completed, your assigned Complaint Number (above) will allow you to view a Status Report for your complaint from the <u>ADEM WebPage Complaint Search</u> screen. Contact information for the ADEM staff assigned to your complaint will be available on the Status Report.

If you provided an email address, you will receive an email upon review and activation of the complaint as well as when your concerns have been evaluated/investigated and either a determination regarding validity of the complaint or the Department's ability to address the complaint has been made, or the Department has taken initial action to address the complaint.

PAGE 3 OF 20

ETOWAH COUNTY - DOCUMENT SET 2-7

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ETOWAH COUNTY - DOCUMENT SET 2-7



Alabama Department of Environmental Management

COMPLEMENTS IN A DODRESSING

RECEIVED AT ADEM

MEDIA/DIVISION CONTACTS

March 29, 2016 02:56 PM Received via Web By Web Complaint Water: Aaton Pelans 334-394-4310

DESCRIPTION OF COMPLAINT:

Large quantity of oil appears to be dumped on recently logged property and leaving the site.; Observed: 3-29-2018

LOCATION OF COMPLAINT:

Mountain Preserve LLC 6554 Owls Hollow Road (approx) Gadsden, AL 35904 ETOWAH COUNTY 34.08 LAT -85.93 LON HUC12 - 031501080204

On Owls Hollow Road, Gadaden, AL approximately 2 miles northeast of the intersection with Glene Gap Road. Site is directly across from the public shooting range owned by the Department of Conservation. Copy and Paste this lick for driving directions https://goo.gl/maps/tirc/YXXPdBVB2

ADDITIONAL INFORMATION:

Problems noted (by Impacted Area)

· Water - Other (Water)

POTENTIAL SOURCES

Mountain Preserve LLC

ACTIONS

Water

- Evaluated Investigated on 3/00/2016

Referral - External performed by: Aaron Paters 3/30/2016 Comments: Referred to Alabama Forestry Commission for initial investigation.

Beck

Your Complaint Number is: 6J-005BB2H45

Thank you. Your complaint was submitted successfully.

Please allow five (5) business days for processing and activation of your complaint.

Once processing and activation are completed, your assigned Complaint Number (above) will allow you to view a Status Report for your complaint from the <u>ADEM WebPage Complaint Search</u> screen. Contact information for the ADEM staff assigned to your complaint will be available on the Status Report.

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Owner Information



Ap to be used for TAX PURPOSES ONLY! Map not for conveyance use.

Dwnership:

1arbel Number: 11 03 07 0 000 004.000 1ir: 20020 Xwner Name: MOUNTAIN PRESERVE, LLC failing Address: 380 CLARK CREEK PASS

ACWORTH, GA 30102 Toperty Address. 0 Toperty Size: Let Dimensions: Deeded Acres: Calculated Acres: Calculated Acres: Toperty Value: Value Year: PAGE 9 OF 20

ETOWAH COUNTY - DOCUMENT SET 2-7

ETOWAH COUNTY - DOCUMENT SET 2

















Your Complaint Number is: 1C-008SU3Q78

Thank you. Your complaint was submitted successfully.

Please allow five (5) business days for processing and activation of your complaint.

Once processing and activation are completed, your assigned Complaint Number (above) will allow you to view a Status Report for your complaint from the <u>ADEM WebPage Complaint Search</u> screen. Contact information for the ADEM staff assigned to your complaint will be available on the Status Report.

If you provided an email address, you will receive an email upon review and activation of the complaint as well as when your concerns have been evaluated/investigated and either a determination regarding validity of the complaint or the Department's ability to address the complaint has been made, or the Department has taken initial action to address the complaint.

Alabama Department of Environmental Management

CORPLANT # 1C-DOESU3078

RECEIVED AT ADEM

MEDIA/DIVISION CONTACTS

March 07, 2016 07:19 AM Received via Web By Web Complaint Water: Joan Themian 205-042-6168

DESCRIPTION OF COMPLAINT:

Coal Creek runs through the site. No grass on site for a long period. No erosion control to prevent sediment from washing into the creek; Observed: Friday, March 4th

LOCATION OF COMPLAINT:

Jamie Barron 2024 Piedmont Cutoff Gadsden, AL 35903 ETGWAH COUNTY 33.99 LAT -85.93 LON HUC12 - 031501066203

From the intersection of Hwy 431 (Meighan Blvd) and Hwy 278 E, Go East approx 1.7 miles on Hwy 276. The site is on the North side of Hwy 278 just before Lonz Road.

ADDITIONAL INFORMATION:

Problems noted (by Impacted Area):

· Water - Other (Water)

POTENTIAL SOURCES

No potential sources have been specified.

ACTIONS

Water

No actions have been recorded.

Back.

ETOWAH COUNTY MS4 ANNUAL AWARENESS TRAINING GADSDEN-ETOWAH MS4 FEBRUARY 23, 2017



PRINT NAME SIGNATURE A. Molpson MARK LUMPILTO Prompetie Seas POTAL She t っチ ick Kuhn SPEACEN WILI LIBER 7 NALL er Krown ic Massa SAthA Inda Han 0 01

PAGE 1 OF 3

ETOWAH COUNTY - DOCUMENT SET 2-8

ETOWAH COUNTY MS4 ANNUAL AWARENESS TRAINING GADSDEN-ETOWAH MS4 FEBRUARY 23, 2017



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ETOWAH COUNTY MS4 ANNUAL AWARENESS TRAINING GADSDEN-ETOWAH MS4 FEBRUARY 23, 2017



Gadsden-Etowah



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Job Cost Material Detail Report from 4/1/2016 to 3/31/2017

Rec 14	Date	1110	Reall	Rd Sec	Road Name Bridge hd	Project M	Actinity 5	d Activity Desc	Comm Dist	NOM	Mar Rate	Mar Units	Mat Cost
Manriel h	0.9425-00	STONE	EL RUP RAPORT	(1000									
354665	411/2016	72051				23-000-0V	000	Had Material to Stockplin		*	01.10	DIVE	100031
3560.0	412/2016	Diate.	000000		LAY SPRENCE ROAD	28-000-05	800	Hauft Meterial Plant to	**	*	0511	15.41	2010428
356683	412/2019	72052	000811		KERNER LANE	28-000-05	201	Naul Maniel Plants.	*	*	11.50	19.6	CX10025
100950	414/2014	72054	062451		SCENC IDDRVAY	28-000-05	200	Had Marriel Part to	-		11.50	24.42	CW D005
254809	4/20209	72059	000965		LITTLE COVE BOAD	28-000-35	No.	Hault Material Plant to	•	•	11.50	12.11	12.9038
306814	4/20/2014	12006	002007		MURPHERE VALLEY	25-000-16	No.	Haut Manriel Number	•	+	1150	13.00	5149.50
357266	4/21/2019	72064	000841		LACKEY GAP ROAD	28-000-95	308	Haul Monriel Plans to		•	11.50	21.64	8072.32
BING	\$13/2616	12068				25-000-16	100	Haul Material to Stockpile			11.50	14.36	10.55362
34000	6/15/2016	22004	000004		ADMAS ROAD	10-000-92	208	Hault Mountal Plant to		۰	11.50	35.04	3402.96
94109C	6162016	72005	909230		TABOR BOND	1000-02	-	Haut Naterial Part to	*		11.50	124	10,142
360363	6/20/2014	72108	002406		TABOR BOAD	28-000-16	100	Hall Method Plant to			11.50	12	10/085
240002	6/21/2004	22109	002740		WHETESBORD ROAD	26-000-35	351	Install Repl. Maint.	1	*	11.50	18.00	3015100
200452	6/22/2016	72100	001200		PAUL KELLY ROAD	38-000-082	ž	Haul Manviel Plants	-	*	11.50	25(.90	\$297.83
Descent	6292004	22116	902676		VALLEY STREET	28-000-16	100	Had Merris Plants	ň	*	11.50	26.16	10001
34000	\$152004	22155	000948		LITTLE WELS VALLEY	\$1-000-82	No.	Haul Merrial Plant to	**	•	11.50	25.29	HEOREE
260380	4/15/2004	10101				28-000-11	301	Haul Manual to Stockylle			11.50	NN	1254.51
34350	8762004	72156	000252		CARNES CHARLE BOAD	\$1-000-82	2	Haul Mannul Plantsa			11.50	24.03	\$286.76
343431	R16/2004	12156	00252		CURRENCHAMEL ROAD	28-000-16	308	Haul Marriel Past to		*	11.50	19.22	1290.00
363634	#17700#	121155	002312		CARNES CHARTE ROAD	31-000-82	100	Hault Mannoial Plant ta-	÷	*	11.50	24.99	\$287.39
262968	8/22/2016	72161	252306		CURVES CHAPEL ROAD	31-000-02	204	Haul Maurial Plant to	•	•	11.50	22.43	\$257.89
Decision -	8/22/2016	19121	00252		CAUNTS CHAPTL ROAD	91-000-82	100	Haul Material Plant to	•	*	11.50	27.12	\$272.7%
364113	823/2016	12152	000012		CARNES CRAFEL BOAD	28-000-16	NIC	Haul Mazotal Plant to		•	11.50	24.25	100028
266395	9/20/2014	72188				28-000-16	101	Haut Manriel to Stockpile			11.56	24.75	3285.09
200454	10/12/201	80721 9				28-000-17	100	Haut Material to Stockpile		×	11.50	23.15	12,0922
BCT0CE -	11/4/2011	10001 4	000300		CHUMBER BOAD	28-000-17	150	InsulUtrpl.Maint		•	11.50	14.45	\$166.11
371838	11020201	121157	00026		BURSON CUT OFF	28-407-17	195	iteral/Rapi/Maint.	÷	۰	11.50	1.45	\$85.68
372168	12/14/2011	12221 8	00554		OENE WHITT ROAD	71-20-02	×.	Haut Material Plant to	~	*	11.50	おお	\$299.00
Dippere	112/2011	12280	800039		APPALACHIAN	28-000-17	and the	Hard Meterial Plant to	н	•	11.50	877	5288.42
303675	1025201	122502	1445000		GARRETT ROAD	28-002-17	100	Hauf Manorial Plant to	*1	*	11.50	45.82	1018255
113615	1025201	12292	CT0008		ASPITULE ROAD	28-400-17	2	Haul Manerial Plant to	*	•	11.90	1676	\$1366.70
MARCH .	102924	12250	800544		GABBETT BOAD	71-200-82		Itimi Material Finet to	n	+	0711	10.00	\$119.49
304160	100201	Dist.				28-000-17	100	Haul Mannal to Stockpile		•	11.50	26.16	10013
374166	1102/01/	12362				28-000-17	and a	Haul Material to Stockpile		÷	11.30	12.13	1015625
274250	1942007	12105	063000		MIT. PISQAUEND	11-110-92	10	Hard Meeting Plant to	ji.	*	11.50	11.12	\$295.67
3108	1. 292017	100021	005623		TISEBELL BOAD	28-407-17	THE OWNER	Hauf Material Plant to		+	11.50	14.00	\$200.04
11epet	102/22/2	72516	80000		BASSON FERRY BOAD	28-001-17	R.	Had Material Plant to	**	-	11.55	1010	101157
315135	1028201	12121	60600		LLAY SPRENCE NUMB	11-20-92	101	Their Meeting Plant to		•	11.50	115.6	自動調
313130	102822	12024	000821		TERBELL ROAD	28-807-17	900	Itlash Manofal Plant to	•	•	11.56	100.47	\$1,155,41
375465	1102/91	12021	100001		TERRELL ROAD	28-407-47	100	Itlaud Manorial Plant to	-	*	11.50	1712	129922
375434	1 3/4/2017	12327	12MD00		TERBELL NOVED	28-007-47	2	Haut Manhout Plant to		•	11.56	575	\$291.90
176043	3/162313	12106	608200		CIR INSCIDENT	11-000-02	107	Hauf Material Plant to	-	•	11.50	16.16	\$286.81

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ETOWAH COUNTY - DOCUMENT SET 4-2

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Job Cost Material Detail Report from 4/12016 to 3/312017

Rec 54	Date	PU IN	Read M	Rd See	Road Name	Bridge M	Project M	Artiking IL	Artivity Desi	Conn Did	NON	Mat Rate	Martinia	Mat Cost
Incortal 14	8415-8	STONE-C	TRIFRAND	(4001-81										
139900	3/22/2017	1HCCL	002444		CANDIN SIGDIAR		11-000-17	300	Haul Matrix Plants	-	•	11.50	13.54	12101.71
NUMBER OF	3/27/2017	12345	000473		GNON NOUVER STREET		11-000-02	304	Haul Manriel Past to			11.50	1171	\$501.55

\$1363,212 \$1260,000

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Job Cost Material Detail Report from 4/12016 to 3/31/2017

Data Mat Cost	05 2028 003	C40 \$201.50
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Activity M. Activity Desc.	211 Instal Repl. Name.	
Project M	19-00-02	
Bridge 14		
Road Name	TOM CAT ROAD	
Hd Sec	39-59680	
Road M	CL KAP RAN	
PU14	STONE-C	
Date	12/12016	
Rec M	Material M	

Report Date: 05/15/2017 Report Idi: Rejok/05/1/rpt

Etowah County Road Department

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Job Cost Material Detail Report from 4/12016 to 3/31/2017

In M	Date	1176	Read M	Rd See	Road Name	Bridge M	Project M	Activity h	A Artivity Desc.	Comm Dist	WOIN	Mar Rate	Mar Units	Mat Cost
ALL N	01110	STONE-B	UP BAP COU	18-28093										
1206	\$100ZWCS	73027					38-000-35	307	Haul Material to Stockpite			11.50	23.82	SILLIN STREET
12	1000005	73067					N-109-51	100	Hauf Muturial to Stockpills		*	11.90	24.45	\$261.18
83	7/27/00/h	11139	000881		LAMAR WHITT BOAD		28-000-16	110	Insull, RepC, Maint,			11.50	10.64	\$271.86
\$11	7/27/2006	- MOINTE					28-000-06	100	That Metric to Sociplic			11.50	10.64	\$271.46
-	104/2016	Dicti.	002448		SARDIS ROAD		21-200-82	308	Hault Material Plant to			11.50	25.52	1293.40
2018	10/2/2019	72203	002444		SARDIS ROAD		11-009-87	2	Hault Marriel Plants.	-		11.50	23.23	\$290.38
100	10462016	CINCEL.	002444		CINDRS NOND		28-000-17	308	Haul Material Part to	-	*	11.50	17.46	\$197.34
00103	11/1/2016	1075	00000		DUD FORD VALLEY		28-000-12	151	Innial Pape Maint.	4	*	11.50	15.00	\$2,07.96
										ALC: NO	and Wanteday	ł		

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Job Cost Material Detail Report from 4/L2016 to 3/3/L2017

MALIN STONE-ART RAP (A.M.) 47/2004 72946 60006 LAY SPEDVOS ROAD 29-002-16 20 47/2004 72946 60006 LAY SPEDVOS ROAD 29-002-16 20 47/2004 72946 60006 LAY SPEDVOS ROAD 29-002-16 20 47/2004 72046 60167 7000065 REST ROAD 29-002-16 20 47/2004 72104 601879 7000055 CLANTL 29-002-16 20 11/16/2014 72126 600187 7000055 CLANTL 29-001-16 20 11/16/2014 72126 60081 700055 CLANTL 29-001-16 20 11/16/2014 72126 60081 700055 CLANTL 29-001-16 20 11/16/2014 72261 60081 700055 CLANTL 29-001-16 20 11/16/2014 72261 60081 700055 CLANTL 29-001-16 20 11/16/2014 72261 60081 700055 CLANTL 29-001-16 20 11/16/2014 72206 60081 <th></th> <th>Distant Dist</th> <th>MON</th> <th>Mat Rate</th> <th>Mat Units</th> <th>Mat Cost</th>		Distant Dist	MON	Mat Rate	Mat Units	Mat Cost
4/70016 72949 600006 LAY SPECKGE ROAD 28-002-16 290 4/70016 72049 602100 72049 602100 74-00216 290 4/70016 72049 602100 74-00216 28-00216 200 4/20016 72040 60161 74-8600 74-60216 200 6/14/2016 72100 602161 74000 28-00216 200 6/14/2016 72104 602141 74-8600 28-00216 200 6/14/2017 72136 600341 74000000 28-00216 201 6/14/2017 72136 600341 74000000 28-00216 201 6/14/2017 72264 600341 7400000 28-00717 201 201/2017 72264 600341 7400000 28-00717 201 201/2017 72264 600341 7400000 28-00717 201 201/2017 72264 600341 72264 28-00717 201 201/2017 <t< th=""><th></th><th></th><th></th><th></th><th></th><th></th></t<>						
470/2016 720% 001210 PLLORDAG REST ROAD 28-002-16 260 4.20/2016 72100 00256 PLLORDAG REST ROAD 28-002-16 260 4.20/2016 72100 002346 PLLORDAG REST ROAD 28-002-16 260 1112/2016 72100 002346 VERGUTV TOWN GAP 28-002-16 260 1112/2016 72136 002846 VERGUTV TOWN GAP 28-001-16 260 1112/2016 72136 002846 VERGUTV TOWN GAP 28-001-16 260 1112/2017 72136 002846 VERGUTV TOWN GAP 28-001-16 260 1112/2017 72356 000041 NELSON VELLAMS 28-001-16 261 2010/2017 72356 000041 NELSON VELLAMS 28-001-17 201 2010/2017 72356 000041 NELSOND 28-001-17 201 2010/2017 72356 000041 NELSOND 28-001-17 201 2010/2017 72356 000041 NELSOND 28-001-17	Disting	**	•	13.00	13,000	\$199.00
4/28/2016 72060 60161 TVRGUTY TOWN GAP 28-002-16 200 6/14/2016 72126 60115 VINDRTON RED-D AGAC 28-002-16 200 1/12/2016 72124 601119 VINDRTON RED-D AGAC 28-001-16 200 1/12/2016 72124 601119 VINDRTON RED-D AGAC 28-001-16 201 1/12/2016 72124 601119 VINDRTON RED-D AGAC 28-001-16 201 1/12/2017 72294 600941 CAMPREELL GAP RED-M 28-001-16 201 2/12/017 72294 600941 NELSKON NELLAMS 28-001-16 201 2/12/017 72294 600941 NELSKON 28-001-16 201 2/12/017 72294 600941 NELSKON 28-001-17 201 2/12/017 72294 600941 NELSKON 28-001-17 201 2/12/2017 72294 600941 28-001-16 201 201 2/12/2017 72294 600941 28-001-16 201 201	tant Manelul Plant to		+	13.00	51,44	\$668.72
6/14/2016 72100 902'96 WHORTTON BEND MDAD 25-002-16 968 1/12/2016 7124 003819 WHORTTON BEND MDAD 25-002-16 968 1/12/2016 7124 003819 YOUXXGS CLAVEL. 25-002-16 366 1/12/2017 72298 00084 VOUXXGS CLAVEL. 25-007-16 361 1/12/2017 72298 000841 CAMP96ELL GAP RDAD 26-007-17 361 2/12/077 72294 000841 NELSON VSLLAAGS 28-007-17 361 2/12/077 72294 000841 ISTES ROAD 26-007-17 361 2/12/0717 72294 000841 ISTES ROAD 28-007-17 361 2/12/0717 72294 000947 ISTES ROAD 28-007-17 361 2/12/0717 72394 000947 ISTES ROAD 28-001-17 361 2/12/0717 72304 000947 ISTES ROAD 28-001-17 361 2/12/0717 72304 000947 ISTES ROAD 28-001-17 3	Disting		*	13.00	30.00	5390.00
T112/2016 T1126 001819 YOUNGS CRAFT 28-001-16 105 1/19/2017 72284 00084 CAMP96ELL GAP ROAD 28-001-16 105 1/19/2017 72284 00084 CAMP96ELL GAP ROAD 28-001-15 201 2/12/017 72294 00084 CAMP96ELL GAP ROAD 28-007-17 201 2/12/017 72294 00084 DELGON WILLIAMS 28-007-17 201 2/12/017 72294 000801 ESTES ROAD 28-007-17 201 2/12/017 72294 000801 ESTES ROAD 28-007-17 201 2/13/2017 72294 00097 MILLOR ROAD 28-007-17 201 2/13/2017 72394 00097 MILLOR ROAD 28-001-17 201 2/13/2017 72304 00097 MILLOR ROAD 28-001-17 201 2/13/2017 72304 00097 MILLOR ROAD 28-001-17 201 2/13/2017 72304 00097 MILLOR ROAD 28-001-17 201	Ital Matrid Platts	•	+	13.00	11/12	3420035
LITPGOLT T2284 00044 CAMP9611. GAP R0AD 28-007-17 201 LQA2017 T2284 00046 CAMP9611. GAP R0AD 28-007-17 201 LQA2017 T2284 00186 NELSON WILLIAMS 28-007-17 201 ZN2007 T2294 00040 NELSON WILLIAMS 28-007-17 201 ZN2007 T2294 00040 BRITIS ROAD 28-007-17 201 ZN20017 T2294 00097 BRILOH ROAD 28-007-17 201 ZN20017 T2294 00097 BRILCH ROAD 28-007-17 201 ZN2017 T2294 00097 BRILCH ROAD 28-007-17 201 ZN2	Veli Divpta Parahing	**	+	101.01	20.00	5639.00
UJMADRI 17200 NELRON WELEON WELENME 28-007-17 28-007-17 28-007-17 281 ZUZDR 2012 71200 80060 28400 28-007-17 281 ZUZDR 12200 80060 28400 28400 28400 281 ZUZDR 12200 8007 28400 28400 28400 281 ZUZDR 12200 8007 28400 28400 28400 281 ZUZDR 12200 80070 28400 28400 28400 284 ZUZDR 12200 80070 701.0280 284 284 284 ZUZDR 1210 8000 71.0280 284 284 284 284 ZUZDR 1210 8000 701.0280 701.0280 701.017 201 201 ZUZDR 1210 8000 701.0100 284 700.011 201 700.011 700 ZUZDR 1210 800.0111 800.0111 800.0111 800.0111 800.0111 800.0111 800.0111 800.0111 80001.011 80001.011 80	netal, Repl. Main.	-	+	13,000	10.00	5130.00
2/12017 72294 600401 ISTIS BOAD 24-007-17 141 2222017 72299 602490 MILLOR ROAD 24-007-17 142 2422017 72299 60097 MILLOR ROAD 24-007-17 143 242017 72309 60097 MILLOR ROAD 24-001-17 143 242017 72304 60097 MILLERE DR 24-001-17 143 242017 72304 60097 MILLERE DR 24-001-17 144 242017 7254 60097 MILLERE DR 24-001-17 144	mistLingt_Maint.		*	13.00	8/8	\$104.00
2/2/2017 72/96 902490 340L/06/8/0.4/2 26-002-17 352 7 2/3/2017 72/09 900/97 7/1/2/26/26/26 26-001-17 368 26-001-17 368 23-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-17 368 24-001-1001-1001-1001-1001-1001-1001-100	near Jupi Maint.	**	•	13.00	25.00	\$325.00
A15/2017 72019 800797 701/2018 28-001-17 308 7 215/2017 72019 800797 701/2018 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-001-17 308 28-0000000000000000000000000000000000	Other Drainage Maintenance	-	•	13.00	6.00	\$78.00
2415/2017 12325 800797 //LLEDECR. 28-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17 308 25-001-17	field Material Plant to	+	•	13.00	15.55	\$302.54
3014/2017 72014 600797 BULDDB 26-001-07 108	fault Material Plant to		-	13.00	25.55	\$129.55
	faul Maneral Plant to -	+	-	00101	26.04	\$100.04
302/2017 72341 900600 LAY SPRENCE ROAD 24619-17 005	leptone Existing Detweny-	-	•	13.00	6.00	007118

Report Date: 05/15/3017 Report Id: Rppro012.rpt

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	83.14	м	Description	Rute M	Rate	Calls	Emp Cost	Equ Cost	Mat Cost	Con Con
Project Id -28-007 Road Id - 0908	SROW M	AINTEN.	ANCE-BRAINAGE, DETCH, SE AD	HOULDER.						
Activity M 35	0 Disthing)								
Band Destruct		·								
6902016	72099	2521	HILL AMOS	2	20.05	1.00	\$100.25			
6/9/2016	72899	1053	EDCAVATOR-WHEELED	1	142.50	3.00		\$712.58		
6/9/2016	72099	2515	STOWERS SHEA	3	28.22	3.05	\$101.10			
6/9/2016	72899	1029	DUMP TRUCK	1.2	52.58	1.00		\$263.70		
6/9/2016	12099	11110	MOGATHA CHARLES K	3	23.65	1.00	\$118.35			
6/9/2016	22899	1031	TRUCK-FLATHED CREW	E	29.71	5.00		\$348.55		
6/29/2006	72116	2521	HILL AMOS	3	28.85	10.00	\$300.50			
6/29/2005	72116	1052	ENCAVATOR-WHEELED	1	142.90	10.00		\$1,425.00		
6/29/2016	72116	1468	DUTYON CLAUDE C	3	18.16	10.00	\$181.00			
6/29/2056	72116	1029	DUMP TRUCK	1	52.74	10.00		\$527,48		
6/29/2016	72116	2515	STOWERS SHEA	3	29.22	10.00	\$382.20			
6/29/2016	72116	1031	TRUCK-FLATBED CREW	1	29.71	10.00		\$297.10		
6/30/2006	72117	2521	HILL AMOS	1	20.05	5.09	\$100.25			
6/30/2016	72117	1052	EXCAVATOR-WHEELED	1	842.90	5.00		\$712.50		
6/30/2016	72117	3468	DUFTON CLAUDE C	3	18.16	5.00	\$90.30			
6/30/2016	72117	3006	DUMP TRUCK	1	88.95	5.00		\$444.80		
6/30/2016	72117	2515	STOWERS SHEA	3	20.22	1.00	\$111.10			
6/30/2016	72117	1031	TRUCK-FLATINED CREW	1	29.71	5.06		\$148.55		
Band 14 - 0000	Chi AOU	AVISTA	DRE		10000	1.000		1001000		
Activity 1d .35	i Ditching									
Boad District	-3									
4/11/2004	12051	2521	HELL AMOS	3	20.05	4.00	\$80.20			
4111/2004	72051	1047	EXCAVATOR-WHEELED	+	342.50	4.00	2020	\$570.00		
4/11/2016	T2051	1468	DOTTON CLAUDE C		18.16	4.00	\$72.64			
4/11/2016	25651	1029	DUMP TRUCK	1	52.74	4.00		\$200.96		
411120016	72011	2507	OR ANDER DRUCK		20.87	4.00	581.48			
4111/20/14	12651	1011	TRUCK AT ATTRED CREW	ĩ	29.71	4.00		\$118.84		
4/11/2014	72000	0022	BRYANT IERRY A		29.45	1.00	\$258.64			
4/71/2014	12060	0097	DEMP TRUCK-FLATRED	1	53.58	3.00	446939	\$160.74		
471/2014	12060	1043	BACKING	÷	47.34	1.00		\$202.02		
471.0015	TIME	1507	OR ANOTH DRUCK	1	20.87	5.00	\$62.63			
471-2014	72060	1009	DUMP TRUCK	1	88.96	1.00	0.000	\$265.88		
Read Ld . 6000	the arts	ANTEL	DRW		44.74					
Autoine M. 19	A Thinking	A 91310								
Read Distant										
4/11/2004	TABLE	1571	HELL ANALYS		20.05	1.00	\$68.15			
4111/2016	72051	1053	ENCAVATOR-WHEELED	1	142.50	3.00		\$437.58		
4111-0034	Table	1049	DEPTHON OF ACTUAL C	- 20	10.14	1.00	114 48			
4111/20014	72071	1000	TRAD TRUCK	1	\$2.24	3.00		\$158.22		
ATLENTS	THE	1507	OR ANOTH SRIVE		20.87	3.00	162.61			
4111/2014	22001	1011	TRUCK-IL ATHED CREW	1	79.71	3.00		300.01		
Read 1d - 0000	DAL ADA	MS BO	AD							
Activity M .35	a Disching									
Read Distance										
6/15/2016	71104	2524	STUL ANOTH		30.05	10.00	\$200.95			
6/14/2014	73164	1051	ENCAVATOR ADDRESS FD		147.50	10.00		\$1.425.00		
4/15/2010	WHEN	1110	MUCHTER CHARLES F		73.65	10.00	\$236.50			
411.00010	111104	1010	TRUCK DI ATRICICIONI	1	29,71	10.00	acresse.	8257 10		
5132019	ALCONG.	COLUMN 1	BOLD BOLD		20.13	10.000		4677.777		
Autor in a second	A Distance	CHORNEY.	No. All							
Address of an	e process									
Road Destrict			AND A ADDRESS	- N - 1	100.00	1.100	8300.00			
4/4/2008	12946	2323	CHEL ANOS		100.00	10.00	\$2200.50	ST 424 00		
	12046	185.5	EXCAVATOR-WIELED		142.30	10.00	Frank Sec.	1000.00		
4/4/2010	72046	4345	ALVER POWER THE	- 10 A	43.54	10.00	2-01.79	8127.45		
44,0000	10049	1454	Prose Thinks		10.00	10-00		444.1.40		
4/4/2016 4/4/2016 PA	AGE 6 OF 9	2523 1629 8	DUMP TRUCE.	i.	52.74	18-00	TOWAH COUN	TY - DOCUME	NT SET 4-2	

Date	DUM	- 64	Description	Hate M	Rate	Cuits	Emp Cost	Equ Cost	Mar Cost	Cas Cast
Project Id -25-002 Road Ed - 9000	HROW M	UNTEN ERSON	ANCE-DRAINAGE,DITCH,SI ROAD	IOTER						
Activity 1d. 35	0 Ditching									
Road District	-2									
4/4/2016	12046	1110	MCGATHA CHARLES K	3	23.85	18.00	\$236.50			
4/4/2016	72046	0817	PICICUP	1.1	64.69	18.00		\$146.90		
4/6/2016	72948	2521	ITEL AMOS	3	20.05	4.00	\$80.20			
4/6/2016	72048	1053	EXCAVATOR-WHEELED	1.1	142.50	4.00		\$576.00		
446/2016	72548	2125	SEARS MARQUETTE	3	05.19	4.90	\$64.76			
4/6/2016	73048	1029	DUMP TRUCK	1.	\$2.74	4.00		\$210.95		
4/6/2016	72648	1110	MCGATHA CHARLES K	3	23.65	4.00	\$94.60	0733333		
446/2016	22048	1001	TRUCK-FLATBED CREW	1.1	29.71	4.00		\$118.84		
4/3/2016	729-09	2121	HEL AMOS		20.05	5.00	\$108.25			
4/3/3916	73549	1053	ENCAVATOR-WHEELED	1.1	142.50	5.00	1.1.1.1.1.1.1.1	\$712.90		
4/3/2016	72049	1468	DETTION CLAUDE C		18.16	5.00	\$99.80			
4/3/3916	22049	1029	DUMP TRUCK		82.74	1.00	1000	\$267.30		
4/3/2016	72949	1110	MCGATRA CHARLES K	3	23.65	5.00	\$118.25			
4/3/2016	23048	1001	TRUCK-FLATBED-CHEW		29.71	5.00		\$148.15		
Road Ld - 0000	63-: A0E	AVISTA	ROAD			2,94				
Activity 14, 50	5 Dischier									
Band Blander										
6712016	11051	2000	HELL AND ST		1.350.045	1.10	2000.015			
47127006	23045	104.1	ENCAVATOR, WHERE HT		142.50	3.00		5417.58		
411/2016	12000	1408	DUTTIES CLAUTE C	14.1	18.16	1.00	\$14.48			
401109446	10000	1000	DUTION CLADER		12.04	3.00	204.44	\$1:08.72		
41112044	12020	7497	CHANCER BRIDER		20.87	3.00	167.61			
4110010	22444	1001	TRUCK AS ATMENDEN		29.21	3.00	900.01	680.03		
Bood Ed - 0000	TAL ACCE	NUM NO	OF COD BOAD		20.01	3.00		361.13		
And the ball	Construction		of Generalized							
Among to acc	v Descarage									
Sound District	- Annes	1000	ARTICLE MORNEY AT A	10.0	10,000	1.00	1000-00			
626,2916	72953	1000	BALSSER, AN, HURAS A		47.44	4.00	3740.040	6116.16		
40062010	12060	1000	DALAINE TRANS		41.04	1.00		\$17.00		
402003910	72960	1000	TRALLER-OTELTY		11.20	2.00		4771 70		
6202010	73003	1001	DUSP TRUCK-PLAUSED		24.24	2.00	447 M	34.74.79		
4250810	72967	2162	STREELER DATE:		10.00	1.00	342.84	*****		
4026(2010	72060	1020	DUMP THUCK-2001		20.56	2.00	a com min	MOL.W		
402602016	72963	00.79	KELLEY IKINALD R	2.1	29.80	2.00	2140.00	1000.00		
4/26/2916	72963	0983	PEROP		45.75	3.00		\$19.13		
Hand 1d - 0000	85-; BAL	CPLAY.	CHRCLE							
Activity for any	e Discharg									
Houd District	-1	in a second	tion of a second of	100		1000	1000			
5/26/2016	72989	2921	HLL AMOS	3	20.05	4.00	580.20	and the local		
5262816	72089	1053	EXCAVATOR-WHEELED		142.50	4,00		\$376.00		
5/26/291.6	72889	2393	OPSON ADAM	20 P.O.	19.37	4.00	\$77/48			
5/26/2016	72049	1029	DUMP TRUCK		32.74	4.00	-	2010/46		
5/26/2016	72989	2515	STOWERS SHEA	1	29.22	4.99	580.88			
5262916	72089	- p004	TRUCK-FLATHED CREW		29.71	4.00		5118.84		
Hoad 14 - 0000	B4+ BEAJ	BGD HEO/	1.5							
Activity M 39	0 Ditching									
Road District	-2			21.7	525528	00035	51226210/0			
6/2/2916	72993	2521	HEJ, AMOS		29.05	10,00	\$200.58			
62/3816	72093	1053	EXCAVATOR-WHEELED		142.50	10.00	- J. 535.	\$1,425.00		
6/3/3916	72993	2585	GIPSON ADAM	3	19.37	10.98	\$193.79			
6/2/2916	72999	1029	DUMP TRUCK		32,54	10.90		\$127,40		
6/2/2016	32993	2128	CATTLING LEVAIL	3	18.54	10.06	\$185,40			
60,0916	72190	1001	TRUCK-FLATBED CREW	F	29.71	10,00		\$297.10		
6/6/2016	72996	2121	HEL AMOS	3	20,05	10.00	\$200.50			
6/6/2016	72996	1053	ERCAVATOR-WHEELED	1	142.50	10.00	11111	\$1,425.00		
6/6/3916	32996	2915	STOWERS SHEA	3	29.22	10.00	8202.20			

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date	DUM	м	Description	State M	Rate	Cinits	Emp Cost	Eqs Cost	Mat Cast	Con Cost
Project 14 -25-002 Read 54 - 00021	BROW M	AINTEN/	ANCE-DRAINAGE, INTCILSIO	OULDER						
Activity Id. 350	Ditching		50							
Road District	-2									
6/6/2016	23996	1029	DUMP TRUCK	1.1	52.74	10.00		\$327.40		
68/3316	12096	1120	NUMBER OF STREET, STRE	3	23.65	10:00	\$236.50			
6/6/2016	77996	10110	TRUCK-ID ATBELD CHEW	100	29.71	10.00		\$297.10		
Read 54 - 0001	Ph. 5087	TH RELS	MONT DRIVE		100.01					
Activity 14, 350	Ditching									
Basid District	-2									
8/29/2016	12147	2536	CARROLL MARCUS	1.1	17.62	2.99	\$35.24			
8/29/2016	72167	-0007	DUMP TRUCK-FLATRED	2.1	43.19	2.00	0.0000	\$94.38		
6/29/2916	22547	1042	BACKNE	12	63.73	2.00		\$123.46		
8/29/2016	12147	1510	GUTHERY THOMAS	3	25.68	2.00	\$41.34			
8/29/2016	721647	1079	DUMP TRUE K	1	46.35	2.00		\$97.79		
8/29/2016	12162	2518	CATTUNGLENAS		18.54	2.00	\$37.08			
8/39/3616	22367	0001	PICKUP	19	18.31	2.00		\$36.63		
8/29/2016	12142	2573	SEARS MARCHIETTE		16.19	1.00	\$32.38			
Boad 54 - 00012	22.4 REN3	ONDR	IVE							
Activity 14, 366	Disching.									
Band Distairs	. a									
477/2416	10000	11585	EDVICT RANDARD C	102	28.89	1.100	10.00.45			
4033844	71041	1014	DOTED STREET		19.74	1.00	Billion and	608.70		
40.3/3816	10000	8077	DRVAST BROVA		39.55	4.00	4142.74			
412/2010	710-51	0007	INTRO TRUCK, STATIST	20	53.58	5.00		\$167.90		
41222044	72852	1041	BACKDON	1.1	47.34	1.00		\$136.76		
41313910	12824	1400	OR AND THE INCIDENT		20.47	1.00	815415			
4122010	12000	003.5	CROWNER BROKE		10.71	1.00	Alleria	104.01		
4122710	10000	1800	INVESTIGATION ACCOUNTS (- 20	21.24	1.00	12354.30	100.00		
41111111	12002	indexe.	THE REPORT OF A DESCRIPTION OF A DESCRIP		90.43	1.00	P100.20	\$411.01		
Bind M. abou	47. BE 44	CN MOR	TOM DOAD		100.05	2.89				
Automatica Id. 100	AND DEALS	A DAM	room a cour							
Band Blooks	. Descard									
ECOLOGICAL	Same?		NORTON STREET	1.1	221.64	1.00	104-56			
8/20/2014	TIME	1047	ENCANATUR, WAREFULL		148.00	4.00		\$554 74		
ACCOUNTS AND	10145	1144	LOCATION CONTRACTOR		. 24.12	4.00	256.48			
0.202000	723.67	1011	CALINAR THE LOW		27.34	4.00	400.00	\$309.12		
8/20/2010	22142	1.000	NAT INST		97.46	4.00	101.64	A1977.1.0		
6/10/2015	Thier	1018	TATAL DESIGN	- 20 -	103.66	4.00		\$410.64		
8100.0010	22142	1014	KIND OF BASE A	- 20 -	27.28	4.00	8109-51	Percent		
8/20/2019	12107	1004	NOTES AND ADD DOLLARS	- St.	10.00	8.00	4199.04	514.14		
Bundla dobt	43 HE A4	CR 6788	TK BOAD		10.77	1,00		414.94		
Autom 14 164	functions.	CPL SCOME	LIS HUND							
Activity in -dou	A. Constant									
22,47504	10004	1348	REPORT RANDALL CT	10.1	10.85	1.00	123.47			
41.476.00	10004	1044	NEXT 12 YOUR DOPD FIRE	- 23	19.74	1.00	and the second	. \$19.22		
41042000	10004	0017	REVANT REPORT		30.43	1.00	110.45	Annual		
41042000	10004	0007	PRIMI ARALIA	- 22	43.44	2.00	100.00	\$143.54		
4040009	12094	1000	BUREAU DOCK-PLATINED		21.24	1.00	843.75	4100.74		
4142505	12004	1009	PERCEPTS ROOMER L.		21.04	3.00	here	10111 At		
4/14/2006	72004	1010	DUMP TROCK-2013 MACK		90.65	3,00	403.61	3411-85		
4/14/2005	12054	1261	GRANGER BRUCE		20.85	3,00	362.65			
4/04/2006	12094	0811	PRADE		14.09	3.00		242.07		
414/2018	12004	1942	BACKHOR:	1.5	07.24	3.00		\$202.82		
Road 1d - 0991	55-; BLUI	AR BOOM	D							
Activity 14 350	Disching									
Read District	-									
801/2004	12169	1217	NORDON SIEVEA	a .	23.64	4.00	\$94.56			
8/31/2016	12169	1852	DICAVATOR-WHEELED		148.69	4.00	Acres 61	3094.76		
8/31/2016	12169	1217	NOR DUN STEVE A		23.64	4.00	\$94.56			
PA	GE 8 OF 9	8				E	TOWAH COUN	TY - DOCUME	ENT SET 4-2	

Report Date: 05/15/2017 Report Id: Repro012.rpt

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	DUM	14	Description	Rate M	Bate	Calls.	Emp Cost	Equ Cost	Mat Cast	Can Can
Project lid -28-003	-180W M	UNTER	ANCE-DRAINAGE,DITCH,SID	RHEFT	1.000		-2018.02.03			
Road Id - 0001	55-; BLU	FF ROAD	0							
Activity M 350	f Ditching									
Road District	-4									
8/31/2016	72108	1052	EXCAVATOR-WHEELED	- L .	148.69	4.00		\$594.76		
8/31/2016	71169	6491	NAIL JAMES		22.16	4.00	\$88.64			
8/33/2016	72169	1016	DUMP TRUCK-2013 MACK	1.5	303.66	4.00		\$414.64		
8/31/2016	72169	1524	EUTIN RECHARD A		27.38	4.00	\$109.52			
8/31/2016	72168	1055	PICKUP-2012 FORD F150	1 C	18.59	4.00		\$74.36		
9/1/2016	72571	1217	NORTON STEVE A		23.64	3.00	\$79.92			
9/3/2056	72171	1052	EXCAVATOR-WHEELED	1	148.69	3.00		\$445.07		
9/1/2096	72273	1491	NAIL JAMES		22.16	3,00	\$66.48			
9/1/2006	72171	1018	DUMP TRUCK-2013 MACK	1	103.66	3.00		\$310.98		
9/1/2016	72171	1524	KUTIN RICHARD A		27.38	3.00	\$82.14			
9/1/2016	72171	1055	PICKUP-2012 FORD F150	1	18.59	3.00		\$35.77		
Road 1d - 0001	77- BRA?	VS CITA	FEL ROAD							
Activity ld 350	b Dishing									
Read District	.1									
4/6/2016	72946	1217	NORTON STEVE A		23.64	00.00	\$236.40			
4/4/2016	72046	1052	EXCAVATOR-WHEELED	E	142.50	10.00		\$1,425.00		
4/6/2006	73946	1104	HEARD ERIC W		24.12	10.00	\$241,20			
4/4/2016	72046	1000	DUMP TRUCK	1	88.96	10.00		\$889.60		
4/6/2006	72046	2129	BOBO BRIAN	3	17.60	10.00	\$116.00			
4/6/2016	72046	1018	DUMP TRUCK-2013 MACK	1	117.09	10.00		\$1,179.90		
Road Ld - 0001	914 BRIS	TOW CO	OVE BOAD							
Activity Id. 354	Ditching									
Road District	-4									
4/6/2016	72048	2120	BOBO BRIAN		17.60	4.00	\$79.40			
4/5/2016	72048	1000	DUMP TRUCK-2003	1	51.54	4.00		\$206.16		
4/5/2016	73048	2947	MESSER NICHOLAS A	3	18.00	5.00	\$90.00			
4/6/2016	72048	1043	BACKHOE	1.	67.54	5.00		\$336.70		
4/5/2016	72048	1000	TRAILER-ATTILITY		11.50	5.00		\$57.90		
4/5/2015	72048	1001	DUMP TRUCK-FLATHED	1.1	54.34	5.00		\$271.30		
4/5/2016	72048	0679	KRULEY DONALD R		29.80	5.00	\$149.90			
4/5/2016	72048	0983	PICKUP	1	15.75	5.00		\$78.75		
9/12/2016	72180	1217	NORTON STEVE A	3	23.64	3.00	\$70.92			
9/12/0016	72180	1052	EXCAVATOR-WIEFLED	1.1	348.69	3.00		\$446.07		
9/12/2016	72580	1491	NAR DAMES		22.16	3.00	\$56.48	50000		
9/12/0916	72188	1018	DEMP TRUCK-2013 MACK	1.1	101.66	3.00		\$310.98		
9/12/2016	22180	1124	KUHN RICHARD A	3	27.38	3.00	\$82.14			
9/12/2016	72188	1055	PICKUP-2012 FORD F150	1.1	18.59	3.00		\$55.77		
Road I.d 0001	26- BBO	KEN AR	BOW DEIVE							
Activity 51, 381	6 Disking	5								
Read District										
1/16/2016	73940	2424	HEL AMOS		20.05	3.00	598.15			
1/16/2016	22080	1051	EXCAVATOR-WHEELED	1.1	142.50	1.00		5427.55		
5/16/2015	22080	1468	DRUTTON CLAUDE C	3	18.16	1.00	\$54.48			
1714/2016	73583	1008	DUMP TRUCK		88.96	3.00	10.00	\$2565.88		
5767516	11000	2462	CRANCER BRITE		20.87	3.00	552.63			
1016/0016	Trainers.	1001	THEN'T OF A THEIR CHESK	- 23	29.71	1.00	400.00	\$200.13		
1/14/2010	-73080	7475	SPARY MARCHINE		55.10	1.00	502.51	401-12		
Band Ld., MOD	LAN BUD	CARGO	SPREAD BOAD							
Autoin 14 - 0002	a manhine	- STATE OF THE OWNER	and provide							
Accord to all	a second									
Boold District	10000	- Annual	NAME TAXABLE PROPERTY OF	10 C	20000	1.00	10000			
W8/2016	74977	1017	FREE AVAILABLE A		148.00	1.00	\$119.00	and at		
A40.0018	74177	1002	LINE WALKER		140.00	3.00	4040.00	\$145,45		
W82016	100.00	1255	CONTRACTOR AND A CONTRACTOR		100.00	4.00	4040.00	Star In		
0.0010	14111	1008	FURNIER BOOK AND A		100.000	3,00	mani est	\$105.00		
A402034	12171	1324	NUMBER RECEIVED A		42.34	2.09	8120.90			
		-					TOWALLOOLIN			

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date	DJ M		Description	Rate 14	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Con
Project Id -28-002 Road 3d - 0002	SAROW M	UMPHR	ANCE-DRAINAGE,DITCH.SH EY ROAD	OULDER						
Activity ld 35	0 Ditching									
Road District	1-1									
8/8/2016	72177	1055	PICKUP-2012 FORD F198	1.2	18.59	1.05		\$91.95		
9/15/2006	72181	1217	NORTON STEVE A	3	23.64	3.00	\$118,20			
9/53/2006	22181	1012	EXCAVATOR-WHEELED	1.	148.69	5.00		\$741.45		
WIN2016	22181	2512	SHEELER DAVID	3	15.56	5.00	\$82.80			
9/13/2006	72180	1020	DUMP TRUCK 2003	1	45.15	5.00		\$225.75		
WE3/2006	72181	1524	KURN RICHARD A	3	27.38	3.00	\$136.90			
913(2006	72581	10155	PECKUP-2012 FORD F199	1	18.59	5.00	1000	\$92.95		
9/21/2016	72189	1217	NORTON STEVE A	3	23.64	5.00	\$118.20			
9/21/2006	72289	1012	ENCAVATOR-WHETLED	1.5	148.99	5.00		\$743.45		
9/21/2016	72189	1144	HEARD FRIC W	3	24.12	5.00	\$120.68	- 53339		
9/21/2006	77189	8067	2016 MACK DEMP TRUCK	- E -	104.81	3.00		\$524.05		
9/21/2016	72189	1534	KUNIN RICHARD A	1	27.36	5.00	\$156.90			
9/21/2006	72189	1045	PICKUP-2012 FORD F150	1.1	18.59	3.00		\$92.95		
Read Id - 0002	22. BUR	TESS IN	MD							
Activity 14, 30	6 Dischieur									
Read Biotelet	a strengt									
8182016	722.68	2625	HER AMONG	10.00	25.05	0.00	1000.25			
8182910	710.08	1043	ENCANATOR-MOTELED	- 22	148.40	1.00	1000-02	\$343.45		
618/964	10100	1.003	DUTTOR CLAUDE C	- 21	10.16	5.00	ROO BD	Trans.		
ACCRETED IN	711106	1000	CALL FROM CLANDING C.	- 25	46.05	1.00	200.00	\$751.75		
8182916	723,58	2422	DOME THOLE.		16.10	1.00	100.04	ACT1-17		
ALL ADDRESS	03408	1001	TOTAL TO AVERT CREW	- 20	22.02	2.00	\$40,30	ST10.44		
0102010	741.78	2424	CATE DOLLENAR		24.62	3.00	4003 300	3134.00		
818(2016	72155	2528	CATTLING LEVAN		38,99	3.99	202.70			
8/24/2016	12162	2521	HELL AMUS		20.05	4.00	200.25	Print 74		
8/24/2010	74100	1000	DECATATOR-WITELLED	- 22 -	10.00	4.00	835-44	30194.18		
8/24/2010	74988	1405	DUEPONICLAUDEC		18.00	4.00	372,01	10000		
8/24/2010	72163	1029	DUMP TRUCK		49.35	4.00		2122.46		
\$124(3016	72258	2300	GRANGER BROCE		25.87	4.00	\$8,1.48			
8/24/2016	73163	1031	TRUCK-PLATBED CREW		33,92	4.00	artist and	2111.08		
8242916	72165	2536	CARROLL MARCUS	- A.S.	47.82	4.00	\$70.48			
Head Ed - 9902	27-2 8080	PONLO	OF ROAD							
Activity 1d. 359	0 Disching									
Road District	-	2023		21.5	100245	10222	11111			
5162916	72880	2517	MESSER NICHOLAS A	3	18.90	3.00	\$54.00	2012/02/02		
5/16/2016	72980	1043	BACKHOE	1	63.34	3.00		\$292.02		
5/16/2816	73080	1008	TRAILER-UTILITY	5. C	11.58	3.00		\$34.74		
5/16/2016	72080	1001	DUMP TRUCK-FLATHED	1.0	54.34	3.00	1000	\$143.02		
3/16/2016	72980	2512	SHEELER DAVID	A	16.56	3.00	549,68			
5/16/2916	72980	1028	DUMP TRUCK-3003		31.54	3.00		\$154.62		
5/16/2016	7,2080	0679	KELLEY DONALD R	3	29.80	3.09	\$89.40			
5162816	72080	0983	PICKUP	- N.	15.75	1.00		\$47.23		
Hoad 14 - 0002	20-1 BUSI	ERWH	LETT ROAD							
Activity Id. 35	0 Ditching									
Road District	1-3									
4/5/2016	72047	1217	NORTON STEVE A	3	23.64	3.00	\$20.92			
4/5/2016	72947	1052	ENCAVATOR-WHEELED	1. C	142.90	3.00		\$427.58		
4/5/2016	72647	1144	HEARD ERIC W	3	34.12	3.09	\$72.36			
4/5/3916	72947	1010	DUMP TRUCK	8 C.	88.96	3.00		\$166.88		
4/5/2016	72947	1561	SALERS WILLIAM R	3	21.37	3.00	\$64.13			
4/5/2016	72047	1018	DUMP TRUCK 2013 MACK	1	117.09	3.00		\$351,27		
4/5/2016	72047	1581	SALERS WILLIAM R	3	21.37	3.00	\$64.11			
4/5/3916	72947	1018	DUMP TRUCK-2013 MACK	1	117.09	3.00		\$351.27		
8132016	72152	2521	HILL AMOS	3	28.05	5.00	\$109.25			
\$712016	72152	1953	EXCAVATOR-WHEELED	1.1	148.49	5.00		\$743.45		
811.0116	72152	1468	DUTTON CLAUDE C	3	18.16	5.08	\$90.80			

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ETOWAH COUNTY - DOCUMENT SET 4-2

11246710	100000	- 52%	1238 12 Sec. 5	21212	(0.5.1)	1253	021112377-0	2220000	0.000.000.00	121020
Batt	DIM	M	Description	Rate M	Retr	Units	Emp Cost	Equ Cost	Mat Cest	Cos Cost
Project Id - 28-002 Band Id - 0002	-180W M/	AINTEN/	ANCE-DRAINAGE,DITCH,SID	OULING						
Autoine M. Mil	Binddow		12111 HOLD							
Read District	- T									
\$01,0014	72142	1008	DEMP TRUCK	122	77.78	5.00		\$385.40		
\$11/2016	221123	1130	CETTRERY THEMAS	1.1	20.68	5.00	\$103.40			
8/11/2018	22142	0563	POTTER	120	18.33	1.00	100000	101.01		
8111/2016	97643	1421	SEARS MARYNETTE	1.1	16.19	5.00	580.95	- Arrester		
Read Id + 0002	H- CAM	PRELL	GAFROAD	- 5-	10000	1.000				
Activity 14, 25	. Bitching		and score							
Read District	-3									
836/2016	73154	0007	BEVANT JEREV A		29.55	10.00	\$295.50			
\$756/2016	72156	0997	DEMP TRUCK-FLATBED	1	47.19	10.00	1.000	\$471.90		
8/16/2016	72156	1042	RACKHOE	10	61.73	10.00		\$617.30		
\$/16/2016	72156	1809	PERCINS ROCER L	1	21.34	00.00	\$212.40	10/11/2		
8/16/2016	72156	1036	DUMP TRUCK-2015 MACK	1.1	78.95	10.00		\$789.50		
Road 1d - 0002	52-; CAR	NES CIL	APEL ROAD							
Activity 53-384	Ditching									
Read District	-4									
A/6/2016	72149	1524	KUHN RICHARD A	1.15	27.38	10.00	\$273.88			
8/8/2006	32149	1895	PICKUP-3012 FORD F150	1	18.59	10.00		\$185.90		
8/8/2016	72149	1217	NORTON STEVE A	- 5	23.64	00.00	\$236.48			
#8/2016	72149	1652	EXCAVATOR-WHEELED	1.1	348.69	10.00		\$1,488.90		
8/8/2016	72149	1144	HEARD ERIC W	1	24.12	10.00	\$241.28			
\$18/2016	72149	1640	DUMP TRUCK	1 · · ·	77.28	10.00		\$772.80		
8/8/2016	72149	1491	NAIL JAMES	3	22.16	10.00	\$221.60			
8/8/2016	72149	1018	DUMP TRUCK-2013 MACK	1	103.66	10.00		\$1,036.60		
8/9/2016	22130	1217	NORTON STEVE A		23.64	00.00	\$236.40			
8/9/2016	72150	1852	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
\$992616	72150	1144	BRARD FRIC W	3	24.12	10.00	\$241,20			
8/9/2016	72150	1010	DUMP TRUCK	1.	77,38	00.00		\$772.80		
8/9/2016	721.99	1524	KUHN RICHARD A	1.1	27.38	10.00	\$273.80			
8/9/2016	72150	1855	PICKUP-2012 FORD FUSD	1	18.59	10.00		\$183.90		
8/38/2016	72150	1217	NORTON STEVE A		25.64	10.00	\$234.40			
8/10/2016	72154	1852	ENCAVATOR-WHEELED	1.5	148.69	10.00		\$1,486.99		
8/30/2016	72151	1144	HEARD ERIC W	3	24,12	10.00	\$241,21			
8/10/2016	72151	1010	DUMP TRUCK	1	77.28	18.00		\$772.80		
W10/2016	72151	1524	KUHN RICHARD A		27.38	38.00	\$273.80			
8/36/2016	72151	1655	PICKUP-2012 FORD F150	- E	18.59	10.00		\$181.50		
8/11/2016	72152	1524	KUHN RICHARD A		22.34	9.00	\$246.42			
8/11/2016	72152	1055	PICKUP-2012 FORD F150	1.2	18,59	9.00		\$167.31		
8/11/2016	72152	1217	NORTON STEVE A	3	23.64	10.00	\$236.40			
8/11/2016	72152	1852	EXCAVATOR-WHEELED	1	148.69	18:00		\$1,486.90		
8/11/2016	721/52	1493	NAIL IAMES	P	22.16	10.00	\$221.60			
8/11/2016	72152	1018	DUMP TRUCK-2013 MACK	1	183.66	18.00		31,036.60		
8/11/2016	721.12	1198	TALTON STEVEN W		23.76	18.00	\$237.60			
8/31/2016	72152	0952	DUMP TRUCK-FLATHED	1	45.41	18.00		5454.10		
8/16/2016	72156	1524	KUTIN RICHARD A		27.38	5.00	\$136.90			
8/36/2016	72156	1855	PICKUP-3012 FORD F150	1	18.59	5.00		\$92.95		
8/36/2016	72156	1217	NORTON STEVE A		23.64	16.00	\$236.40			
8/16/2016	72156	1852	EXCAVATOR-WHEELED	E .:	148.69	10.00		11,486.99		
8/13/2016	72157	1217	NORTON STEVE A	0.1	23.64	18:00	\$256.40			
8/17/2016	72157	1052	EXCAVATOR-WHEELED	1 C	148.69	16.00		\$2,486.50		
8/17/2016	72157	1144	REARD ERIC W	3	24.82	18.00	\$241.20			
8/17/2016	72157	3840	DUMP TRUCK	F	77.28	36.00		\$772.80		
8/37/2016	721.57	1524	KUHN RICHARD A	3	27.38	16.00	\$273.80			
8/17/2016	72157	1015	PICKUP-2H2 FORD F150	1	18.59	18.00		\$185.90		
A/17/2016	721.97	2534	MAYS RUNY R	2	16,29	18:00	\$362.00			
\$/13/2016	72157	0061	PICKUP		15.43	18:00		\$364.38		

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date	83.84	14	Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cent	Cas Cost
Project ld - 28-002 Road Id - 0002	SIROW M	AINTEN/	INCE-DRAINAGE, DITCH, SBO APEL ROAD	DULDER						
Activity 14 35	6 Ditching									
Road District	-4									
825/2016	72964	1217	NORTON STEVE A	3	23.64	00.00	\$236.40			
\$25/2016	12164	1052	EXCAVATOR-WHEELED	1.1	148.69	30.80		\$1,435.90		
8/25/2016	22164	1104	HEARD FROM W	1.1	26.12	10.00	\$241.20			
8/35/2016	72164	1010	DEMP TRUCK	1.1	22.28	00.00		\$772.80		
8/15/2016	229.64	1491	NAIL JAMES		22.16	03.00	\$221.66			
8/15/2016	72164	1048	DEMPTRING-2013 MACK	12	101.64	00.00		\$1,036.40		
82503016	221644	1124	KUNN RICHARD A		27.18	10.00	\$273.88			
875/3016	72164	1051	PR'83.05-3042 EC0815 E150		18.40	10.00		\$183.90		
Band Id - 0002	CAT	IS ROAL	B							
Actual 14, 30	6 Biblios		5)-							
Read District	a standard									
40070016	White:	1474	THE PARAMETER		30.04	3.00	540.05			
100,000	220.048	1051	ENCLUSION MERCI DI		147.52	3.00	300.12	\$417.50		
400.2019	22040	100.5	SPARE SALESSERVE	100	14.10	3.00	10000	440.000		
46/2016	Vice-	1000	SUMES MONEQUELTER		65.24	3.00	248.37	1142.72		
49/2028	12048	1029	DUMP TRUCK		24.19	3,000	100.04	3124.44		
45/2015	72048	1110	MOUATHA CHARLES K		23,80	3,00	\$10.95	1000		
496(2019	(2048	1001	TROCK-FLATBED-LILEW		20.14	3.99		944.12		
Road 1d - 0002	30+ CEN	LER BOY	AD							
Activity M 359	e Detching									
Road District		192.00	12000	1.1	1000	10792				
6/23/2016	72111	2527	ALLEN JORDAN		15,19	5.00	\$80.95	S333.0		
6/23/2016	72111	1043	BACKHOE		67.34	5.00	10233	\$336.70		
6/23/2016	721111	2325	ARMSTRONG GRED		17.62	5.00	\$88.10			
6/33/3914	22111	1028	DUMP TRUCK-FLAT CREW	- E.	42.87	5.00	20125	\$214.35		
6/23/2018	22111	2512	SHEELER DAVID	- B-1	96.56	5,00	\$82.80	1		
6/23/2916	72111	1041	DUMP TRUCK		88.96	5.00		\$464.80		
6/23/3916	731113	0679	KELLEY DONALD R	9	29.80	5.00	1149.05			
6/23/2916	72111	1000	TRAILER-UTILITY	E	11.58	5.00		\$57.90		
6/23/2016	72111	1001	DUMP TRUCK-FLATHED	- E	54,34	5.00		\$271.79		
8343016	72163	2521	HELL AMOS	3	20.05	3.00	\$50.15			
8/34/3916	72160	1053	EXCAVATOR-WHEELED	- F.S.	148.69	3.00		5446.07		
624/2016	72963	1468	DUTTON CLAUDE C	3	28,16	3.00	\$54.48			
8040046	77163	1029	DUMP TRUCK	1.1	45.35	3.00		\$139.05		
8/24/2016	72163	2307	GRANGER BRUCE	3	20.87	3.00	\$82.65			
8/24/2016	72163	1001	TRUCK-FLATBED CREW	8.0	22.92	3.00		\$83.76		
8/34/3916	72163	2326	CARROLL MARCUS	3	17.62	3.00	\$52.86			
Road Id - 0002	SH: CHA	REFAS	TREET							
Activity M 359	6 Ditching									
Road District	1-1									
401.0016	72960	2521	HELL AMOS	3	20.05	1.00	\$60.15			
421/2016	72968	1053	EXCAVATOR-WHEELED	1	142.50	3.00		\$427.50		
4/23/0016	72960	1468	DUTTON CLAUDE C		18.16	3.00	\$54.48			
4/21/2016	72068	1029	DUMP TRUCK	1.1	\$2,74	3.00		\$158.22		
4/21/2016	73960	1809	PERKINS ROOFE L	3	21.24	3.00	\$63.72	33273		
423/2016	72065	1037	TELICK-FLATNED CREW	- 61	29.71	3.00		\$89.13		
Boad Id - 0002	92-; CHE	STER TO	ODD BOAD	100				1.505.5		
Activity 14 .34	. Ditching									
Read Plateter										
BUT DALL	111100	1212	NUMBER OF STREET	1.1	21.44	1.00	\$20.02			
8/31/3816	931.68	10CD	FOCAVATOR-MULTI PD	100	144.00	3.00	100.00	\$245.07		
100000000	22100	1.000	NAM INCOME.	1	33 14	1.00	544.45	100000		
000,0016	711.00	1401	DED OF TRUES	200	100.00	1.00	100,00	\$100 Pt		
801.2916	71109	1474	CLUBP THUCK-SPED MACK		101.00	1.00		\$190,99		
8313916	22099	1326	NUMPERAL MARD A	2.1	10.00	2.00	202.14	844.00		
401.2010	12164	1003	FR. M. P 2012 FORD F158		18.34	1.00		905.11		
Hand Id - (000)	694 CLA	ATON'S	CHUEF SW							

Date	DJ M	- 14	Description	Rate M	Rate	t/oits	Emp Cost	Equ Cort	Mat Cost	Con Con
Project 14 - 28-002 Band 54 - 0002	LIROW M	MINTEN/	INCE-DRAINAGE, INTCHSHO TREET SW	RUDER					0.0000000	00000
Activity 14 35	0 Disching									
Road District	1.4									
8/17/2016	72157	2521	HELL AMOS	5	20.05	4.00	\$80.30			
8172916	72257	1083	ERCAVATOR-WHEELED	1.0	148.69	4.00		\$394.76		
\$112016	12157	2507	GRANCER BRUCE	3	29.87	4.00	\$83.48			
81712016	72157	1009	DUMP TRUCK	1.1	77.28	4.00		\$309.12		
81103916	72157	2528	CATTLING LEVAR	3	18.54	4.00	\$74.16			
8112016	72157	1011	TRUCK-FLATHED CREW	1.1	27.92	4.00		\$111.64		
8/18/2016	72158	2121	HELL AMOS	3.	20.05	5.00	\$100.25			
8/18/2016	72158	1053	ENCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
8/18/2016	32158	1468	DUITION CLAUDE C	3	18.16	3.00	\$940.80			
\$183016	22158	1829	DUMP TRUCK	1	46.35	5.00		\$231.75		
8/18/2916	32158	2523	SEARS MARQUETTE	¥	16.19	5.00	\$86.95			
818/2016	72158	1031	TRUCK-FLATHED CREW	100	27.92	5.00		\$139.68		
\$182916	22158	2108	CATTLING LEVAR	3	18.56	5.00	\$92.70			
Band Id - 0000	117+ CL0	UD LAN	×							
Activity 14, 35	a Disching		-							
Road District	1.1									
8/9/2516	72150	1468	DIFFERENCE ADDEC	1.1	18.16	2.55	545.40			
649/2016	71048	1008	DUMP TRUCK	1.1	17.28	7.93		\$295.28		
6.973016	220.00	24244	LIFE ANALY	1.0	20.04	2.65	\$50.13			
2.0/1514	211.50	1000	ENCAVATOR MARKETERS		148.00	3.44		41211 71		
Band Id . 0000	122. 1204	TR DOM	CIRCLE		148.07					
Autoin 14 At	to Principles	to more	COLCER.							
Read Distance	a storage									
ACLE CONTROL		-	LOD A ADALTAR	100	22.01	3.00	500.11			
5182016	01082	1043	ENCANATION INTERVENT		147.00	1.00	9990.12	8477.58		
5182016	10082	2404	CONTRACTOR AND	- SS -	192.50	3.00	658.11	2427.54		
3/18/2016	729942	4,982	THESE BOD LINES AT COMM	- 13 -	10.01	1.00	356.11	1000.00		
318/3010	12084	1004	DEDUCTOR OF FLAT CREW	S	20.04	1.00	100.00	3-2.26		
5182016	72043	1108	DUEDON CLAUDE C		18.10	1.00	204.48	#144 M		
5/18/2016	72962	1008	DOMP TRUCK	- 20	88.96	1.00	665.63	2160.88		
3182010	1/1051	21.08	LATTLING LEVAR	· · ·	18.34		872.04			
Hand Ed - 0002	123-1 COA	15 06.70	FROMP							
Activity 14 - 35	0 Detriving									
Road District	1-1			122	Sec. 22	1.00	A			
6250916	72962	1317	WASHINGTON ROBERT E	3	27.41	3.00	3(13)/02	1000		
425/2016	72063	1005	PICKUP-2007 FORD	1.1	19.44	5.00	-	391.20		
425/2016	72962	6330	GUTHERY THOMAS	2	29.68	3.00	3103.40	A		
4/25/2016	72962	1053	ENCAVATOR-WIEELED	- 50	142.50	5.00		\$783.50		
425/2016	72067	1468	DUTION CLAUDE C		18.06	1.00	\$90.80			
4252916	72962	1029	DUMP TRUCK		32.76	1.00		3363.70		
4/25/2016	72062	9027	BRYANT JERRY A	3	29.55	5.00	\$147.75			
4/25/2016	73963	9817	PICKUP	1.0	14.69	5.00		\$70.43		
4263016	72968	1359	FROST RANDALL C	¥	29.89	1.00	\$149.43			
4/26/2016	72963	1054	PICKUP-2012 FORD F150	1	19.74	5.00		398.70		
4263016	72063	2121	HELLAMOS	3	28:85	5.00	\$100.25			
4262916	72963	1053	EXCAVATOR-WHEELED	1	142.50	3.00		\$762.50		
4262916	72963	1468	DUTION CLAUDE C	3	18.16	5.00	\$90.80			
426/2016	72063	1029	DUMP TRUCK	1	52.34	5.00		\$265.70		
4262816	72063	1100	GUTHERY TROMAS	3	20.68	3.00	\$105.40			
4262916	72963	1031	TRUCK-PLATBED CREW	1	29.71	5.00		\$148.55		
4210916	32064	1517	WASHINGTON ROBERT E	3	27.41	10,00	\$274.10			
4/27/2016	72964	1005	PICKUP-2007 FORD	1	19.44	10.00		\$194.40		
4/27/2916	72064	2521	HELL AMOS	3	20.05	10.00	\$200.50			
4272916	73964	1053	ENCAVATORWHEELED	1	142.58	10.00		\$1,425.00		
4/21/2016	32064	1468	DUTTON CLAUDE C	3	18,16	\$0.00	\$181.60			
4210116	72964	1029	DUMP TRUCK	8	52.54	10,00		\$\$27.48		

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date	DJ M	M	Bescription	Rate M	Retr	Units	Emp Cost	Equ Cost	Mut Cost	Con Con
Project Id -28-002 Road Id - 0002	-180W M	AINTEN. TS BEN	ANCE-DRAINAGE,DITCH,SH D ROAD	OULDER						
Activity 1d -35	0 Disching									
Based District	1-2									
4/27/2006	12064	1809	PERICINS ROGER L	3	21.24	10.00	\$312.40			
4/27/2006	72964	1031	TRUCK-FLATBED CREW	1.1	29.73	10.00		\$297.10		
5/17/2016	72061	2521	HILL AMOS	3	20.95	4.00	\$80.20			
5/17/2006	23981	1053	EXCAVATOR-WHEELED	1.1	142.50	4.00		\$370.00		
\$12,2006	72081	1468	DUTTON CLAUDE C	3	18.16	4.00	\$72.64			
5/17/2016	72063	1005	DUMP TRUCK	F	88.96	4.00		\$355.84		
\$17,2016	72061	2585	GIPSON ADAM	3	99.37	2.00	\$38.74			
5/17/2006	73983	1011	TRUCK-FLATBED CREW	3	29.24	2.05		\$59.42		
5/17/2016	72083	2523	SEARS MARQUETTE	1	16.19	2.00	\$32.38			
Houd Id - 0003	394 COL	VIN GAI	ROAD							
Activity 14, 35	0 Ditching									
Road District	1-1									
6/23/2016	32111	0627	BEYANT HERY &	3	29.55	4.00	\$118.26			
4/23/2016	22111	0997	DUMP TRUCK -FLATRED	1	53.58	4.00		\$214.32		
4/23/28/6	12111	2426	CAREFUL MARCUS		17.42	4.00	\$20.48	and the second s		
6/21/28/6	27111	1020	DOMESTIC: NO.		53.74	4.00	41.5.11	1210.96		
4291/3816	Winted	1425	SPARS MARY STR		16.10	4.00	544.76	4019-74		
621/2016	221111	0041	PROVIDE AND A CONTRACTOR	- 21	14.61	4.00	444.14	658.44		
4/71/3014	23111	1042	BACKINGE		47.24	4.00		12160 14		
Band Ed . BOOT	ALCOR	ATTA A	TRACK PROFESSION		61.24	4.00		34205.50		
Automa 14, 18	A Distance	Sec. a a	100.1.1							
Read District	a second									
Add that is	100041	1200	manage is an invalue of		10.00	1.00	#1.00 AR			
4262316	720903	1309	PRODUCT RAPERCE C		10.00	3.00	3.749.40	0.04 10		
4262316	72060	1004	PRACE-GELL PORD F150		29,24	3.00		398.79		
6262016	72963	1000	HELL AMUS	2	20.05	2.09	2100.13	P		
4/26/2016	72063	105.3	DICAYAIOR-WHEELED		142.50	5,00	2000 B.B.	3012.30		
4/26/2016	72963	1468	DUTTON CLAUDE C		18.16	3.09	2040.302	100 C		
4(26)(2916)	72963	1029	DUMP THUCK		32.74	3.00		\$283.79		
4/26/2016	72063	13,90	OUTHERY THOMAS		20.68	3.00	\$193.40			
402603916	72060	1001	TRUCK-PLATHED-COUW		29.73	3.00		3048.39		
Road Ed - 9900	201 0.04	E SPRES	LAS BLACD							
Activity 14, 359	e public									
Road District	-	1000	1222202020202020	1.0	12212	12:12	10000			
9/1/2016	721111	1217	NORTON STEVE A	3	23.64	4.00	394.56	121001224		
9/1/2016	72178	1052	EXCAVATOR-WIEFELED		148.69	3.99	24.5.5	\$446.07		
9/5/2016	223.24	1491	NAIL JAMES	3	22.16	4.00	\$88.64	Sec. and		
9/1/2036	721.71	1008	DUMP TRUCK-2013 MACK	B	103.66	3.00	11.11.11.11.11.11.11.11.11.11.11.11.11.	8310.98		
9/1/2016	72174	1124	KUHN RICHARD A	3	27.38	4.00	\$169.12			
9/1/2016	231.71	1055	PICKUP-2012 FORD F150		18,59	1.00		\$55.77		
Road Ed - 0003	754 COX	GAP BO	DAD							
Activity 14 -35	e Disching									
Read District	(-J									
8/1/2016	72140	2327	ALLEN JORDAN	3	-16.19	7.09	\$113.33			
6/1/2016	72143	1043	BACKHOE.	1.0	61.73	7.09		\$432.11		
8/1/2016	72943	2582	SHEELER DAVID	3	05.56	7.00	\$115.90			
8/1/3036	72143	1001	DUMP TRUCK	8 C	37.28	7.09		\$540.96		
8/1/2014	72140	0679	KELLEY DONALD R	э.	29.89	7.08	\$268.60			
8/1/2016	72143	0983	PICIKUP	- E	14.93	7.00		\$104.51		
Road Id - 0003	894 CRO	FT FERI	RY ROAD EAST							
Activity M -350	E Disking									
Road District	-1									
5040016	73987	2521	HELLANOS		20.05	3.00	\$60.11			
5040916	72047	1053	EXCAVATOR-WHEELED	- F	142.50	3.00		\$427.58		
5/24/2916	72087	2515	STOWERS SHEA	1	29.22	3.00	\$60.66			
5040916	72087	1029	DUMP TRUCK	1.2	52.74	3.09		\$158.22		
D/		98				E			NT SET 4-2	
I <i>r</i>										

Date	DJ M	M	Description	Rate M	Rate	Units	Emp Cert	Equ Casi	Mat Cost	Con Con
Project Id - 28-002 Road Id - 0007	1000W M	INTEN/	ANCE-DRAINAGE, DITCH.SH RY BOAD EAST	OULDER						
Activity Id 35	0 Ditching									
Road District	1.2.									
5/24/2016	72087	2505	GPSON ADAM	3	18,37	3.00	\$58.11			
5/24/2006	73987	1031	TRUCK-FLATIND CREW	1	29.71	3.00		\$89.13		
5/25/2006	72068	2531	HELL AMOS)	28.65	10.00	\$399.39			
5/25/2006	72088	1053	EXCAVATOR-WHEELED	- E	142,50	10.00		\$1,425.00		
5/25/2006	72068	2505	GEPSON ADAM	3	19.37	10.90	\$193.70			
\$/25/2006	72068	1029	DUMP TRUCK	1.0	32.74	10.99		\$327,40		
\$/25/2006	72968	2515	STOWERS SHEA	3	29.22	10.00	\$393.30			
5/25/2006	72068	1491	TRUCK-FLATHED CREW	(1)	29.71	10.00		\$297.10		
Road 84 - 9903	99+: CRO	FT FER	LY BOAD WEST							
Activity Id. 35	0 Ditching									
Road District	1-2									
\$12/2006	32077	2525	HELL AMOS	3	28.85	5.00	\$100.21			
5/12/2016	73977	1453	EXCAVATOR-WHEELED	E	142.50	5.00		\$712.50		
5/12/2016	72977	2567	GRANDER BRUCE	3	28.87	5.00	\$104.35			
\$12(20)6	73077	1036	DUMP TRUCK-2015 MACK	1.1	95.61	5.00		\$453.05		
5/12/2016	12077	2515	STOWERS SHEA	3	20.22	5.00	\$101.10			
5/12/2016	72977	1031	TRUCK-PLATBED CREW	1.1	29.71	5.00		\$148.55		
5/16/2016	72980	2521	HELL AMOS	3	20.05	3.00	\$60.15			
6/16/2016	72080	1053	EXCAVATOR-WHEELED	- 10 -	142.90	1.00		\$427.50		
\$15/2005	72980	1468	DUITTON CLAUDE C		18.16	3.00	\$54.48			
\$16/2016	73948	1004	DUMP TRUCK	12	88.96	3.00	2222	\$266.88		
\$162856	72080	3580	GRANGER BRUCE	3	29.87	3.00	\$82.61			
516(2006	23380	1033	THICK-FLATNED CREW	10	29.21	1.00		\$89.13		
\$15/2016	72980	2425	SPARS MARCO PTTP	1	18.19	3.00	\$48.17			
Read 54 - 0003	15-: CHO	SON B	DAD							
Activity 14, 35	a Dischier									
Band Bistolet										
501/3014	32434	+117	NORTON STEVE A	1	21.64	1.00	\$70.97			
9/1/1014	21124	1017	EXCAVATOR-WHEELED	10	148.69	1.00		\$445.07		
901/1014	72171	1.891	NATE DAMES		22.14	1.00	215.42			
9/1/1914	23429	1018	DUMP TRUEY	1	103.65	3.00	1000	\$100.98		
0/1/2014	20121	1154	FUED REHARD A	1.1	27.38	1.00	\$82.14			
9/1/2014	21121	1044	PRCK10-2012 (CRD) #130	- 22	18.99	1.00		\$35.77		
Bund Ld . dobt	ST. DUCT	C SPRIN	CS BOAD	10	10.37			Bode La		
Autom 14, 10	1 Distance		and the second of							
Read District	a descent									
BOX COURSE	15164	3431	DELY ADATE	1.1	20.05	2.60	\$10.15			
8/15/2006	01010	1011	ENTAVATOR - MILETER	11	149.00	2.40	1010.11	\$171.71		
8124/2004	77264	1000	DESCRIPTION OF ALL PROPERTY OF	- 10 -	19.16	3.80	141.45	- APRILIA -		
#1512009	10122	1004	DOT FOR CLINDED C	- 20	27.28	3.60	241.44	1103.20		
81.512009	2016.00	2422	STADE MARCHINE	1	16.23	2.40	140.00	8132.00		
81.5120000	10100	1000	VELOW - D APPEND CHICK	- 20	27.63	0.46	240.00	903.80		
8/15/20/09	720.00	1474	CATTI BOLLEVAN	- 20	19.54	2.50	845.05			
Bunding and	12135	AND STR	CALIFORNIC	- Č.	10.79	6,79	\$10.00			
10100 50 - 0004	COPC READ	ALL STO	den a							
Activity 16 JS	a Doubled									
Moved Developed	1 - 2 20000		NULL ADDRESS	100	20.04	1.00	100.11			
40112036	12080	2523	FILL ANE OF		20.05	3.00	200.12	8437.00		
4/21/2006	12990	100.0	EMANATOR WIGHLED		147.36	3,00	444.00	3421,20		
4/21/2016	12060	1468	DOTTON CLADDE C		18.18	3.00	For us	A		
4/21/2016	72860	1029	DUMP TRUCK		52.74	3.00		\$158,22		
4/21/2016	15090	1809	PERCES ROOFE L		21,24	3.00	369.71			
4/21/2004	12960	1031	TRUCK-PLATERD CREW	1	29.71	1,00		269.73		
Road 1d - 9994	OI- ELLI	OTTLA	NE HOAD							
Activity Id. 35	o Distaing									

Hoad District -2

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Date	DUM	. M	Description	Hate 14	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Cost
Project Id -18-003	LINOW M	AINTEN	ANCE-DRAINAGE, DETCH.SH	OULDER	1.507					
Road Ed - 0004	BI- ELL	OTTLA	NE ROAD							
Activity 1d 35	0 Disching									
Houd District	1-2									
5262016	72089	2521	HELL AMOS	3	29.05	3.00	\$60.15			
5/26/2016	73089	1053	EXCAVATOR-WHEELED	1.1	142.50	3.00		\$427.50		
5/26/2916	72089	2505	GEPSION ADAM	3	19.37	3.00	\$58.11			
5/26/2016	72989	1029	DUMP TRUCK	1. I.	32.74	3.00		\$158.32		
5/26/2016	72089	2515	STOWERS SHEA	3	29.22	3.00	\$50.66			
5/26/2016	73089	0031	TRUCK-FLATBED CREW	1.5	29.71	3.00		\$89.13		
Rand Id - 0004	01-: ESTE	S ROAD	k							
Activity M 35	0 Ditching									
Road District	1-1									
6/8/2016	72098	2521	HELL AMOS	3.5	20.05	5.00	\$100.25			
6/8/2016	72098	1052	EXCAVATOR-WHEELED	- 10	142.50	3.00		\$712.58		
6/8/2016	72098	2515	STOWERS SHEA	3	29.22	5.00	\$191.10			
6/8/2016	72099	1029	DUMP TRUCK	1.0	52,74	5.00		\$363.79		
6/8/2016	72098	1108	MCGATHA CHARLES K	3	23.65	5.00	\$118.25			
6/8/3016	73098	1031	TRUCK-FLATBED CREW	1 C	- 29.71	1.00		\$148.33		
69/2016	32999	2523	HEJL AMOS	3	28.85	5.00	\$100.25			
6/9/2016	72099	0053	EDICAVATOR-WHEELED	F	142.50	5.00		\$713.30		
6/9/2016	72099	2515	STOWERS SHEA	3	39.22	5.00	\$191.10			
-6/9(2016	72099	1029	DUMP TRUCK	1	32.34	5.00		\$263.79		
6/9/2016	32099	1119	MCGATHA CHARLES K	3	23.65	5.00	\$118.25			
6/9/2016	72099	1034	TRUCK-FLATBED CREW	1.5	29.71	5.00		\$148.35		
6/50/2916	72117	2521	HELL AMOS	3	28.05	5.00	\$100.25			
6/30/3016	72117	1052	EXCAVATOR-WHEELED	1.0	142.50	5.00		\$712.50		
6/30/2016	72117	1468	DUITTON CLAUDE C	3	18.16	5.00	\$90.30			
6363816	72147	1004	DUMP TRUCK	1.5	88.96	5.00		\$444.80		
6/30/2016	32117	2515	STOWERS SHEA	3	29.22	5.00	\$191.10			
650/2016	72117	3035	TRUCK-FLATINED CREW	1.1	29.71	5.00		\$148.55		
Baad 1d - 0004	198-: FAIR	VIEW C	OVE BOAD							
Activity 14 35	0 Disching									
Road District	1-4									
913/2016	72181	1217	NORTON STEVE A	3.	23.64	5.00	\$118.20			
913/2016	72181	3052	ENCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
913(2006	72181	2512	SHEELIR DAVID	3	16.56	5,00	\$82.80			
9132016	72181	1028	DUMP TRUCK-2003	1	45.15	5.00		\$225.73		
913/2016	32181	1554	KUHN RICHARD A	3	27.34	5.00	\$136.90			
913/2016	72181	1015	PICKUP-2012 FORD F150	1	18.99	5.00		\$82.95		
9/15/2016	32140	1217	NORTON STEVE A	3	23.64	7,00	\$165.48			
9/15/2016	72180	1052	EXCAVATOR-WHEELED	1.	148.69	7.00		\$1,040.83		
W15/2016	12183	1491	NAIL JAMES	3	22.14	7.00	\$155.52			
9152016	72183	1038	DUMP TRUCK-2003	π.	45.15	7.00		\$316.05		
9/15/2016	72183	1524	KUHN RICHARD A	3	27,38	7.00	\$195.66			
9/15/2006	72163	1055	PICKUP-2012 FORD 7159	1	18.98	7.00		\$138.13		
9/20/2016	72188	1217	NORTON STEVE A	3	23.64	18.00	\$236.40			
9/20/2006	72188	3052	ENCAVATOR-WHEELED	1	348.65	58.00		\$1,485.90		
9/20/2016	72188	1144	HEARD ERIC W	3	24.12	20.00	\$241.20			
9/20/2006	721188	5067	2016 MACK DUMP TRUCK	1	104.81	10.00		\$1,048.10		
9/20/2016	72188	1534	KUHN RICHARD A	3	27,38	10.00	\$273.80			
9/20/2005	72188	1055	PICKUP-2012 FORD F139	1	18.99	38.00		\$185.90		
9/21/2004	72189	1217	NORTON STEVE A	3	23.64	5.00	\$118.20			
9/21/2016	72189	1013	EXCAVATOR-WHEELED	1	145.69	5.00		\$743.45		
9/21/2015	72189	1144	HEARD ERIC W	3	34.12	5.00	\$129.60			
9/21/2016	72189	1067	2016 MACK DUMP TRUCK	1	004.80	5.00		\$524.45		
9/21/2016	72189	1524	KUHN RICHARD A	1	27.18	5.00	\$136.90	0.000		
9/21/2016	72189	1011	PECKUP-2012 FORD FLSE	1.1	18.19	5.00	1.5455.57	\$92.95		

Read Id - 000499 c FAIRVIEW DRIVE

Ever	DJM	14	Description	Rate M	Rate	Units	Emp-Cast	Equ Cost	Mat Cost	Con Cost
Project 5d - 28-803 Road Ed - 0004	DIROW M	UNTER-	ANCE-DRAINAGE,DITCH,SU BRIVE	OULDER						
Activity 1d 35	6 Ditching									
Road District	1-1									
5/24/2016	73067	2521	HELL AMOS	1	20.05	4.00	\$80.20			
5/24/2016	72087	1053	EXCAVATOR-WHEELED	1	142.50	4.00		\$\$70.00		
5/24/3916	72887	2315	STOWERS SHEA	3	20.22	4.00	\$80.88			
5/24/2016	72087	1029	DUMP TRUCK	1	52.74	4.00		\$210.96		
5/24/2016	73987	2105	GPSON ADAM		19.37	4.00	\$77.48			
5/24/2016	72087	1001	TRUCK-PLATHED CREW	1	29.71	4.00		5118.84		
Read Id - 0005	DA: FUT	SFERR	VBOAD		1.00					
Activity 14, 24	a Distaine		2002/02/02							
Road District										
4/25/2014	73963	1117	WASHINGTON ROBERT F.	5	27.41	5.00	\$117.05			
4/75/2014	72043	1005	PICKUP-2007 FORD	1.1	19.44	5.00		\$97.26		
4/25/3016	2356.1	1130	OUTLIER V THORAS		20.48	1.00	\$103.40			
4/75/2016	73563	1053	ENCAVATOR-WHETLED		142.50	5.00		\$712.50		
4/25/2016	11041	1408	DEPTENDENCE ALLER C	- C - 240	10.14	3.00	\$90.80			
623/2010	12000	1400	DOTTON CONCIDENCE		43.34	5.00	3010,000	\$263.20		
42322414	22066	0007	DUNET THUR, N		79.54	5.00	1547.15	44.44		
402,02010	Water I	0007	DECKUP		14.40	1.00	- Bear.13	10000		
Augusta	TOTAL	No. P.	Pr. B. C. B.		14.07	2.000		212.45		
House Id - Wells	THE PLAN	o vant	ES MUM							
Activity 10, dos	e Deshing									
Read District			And a state of the state of the		20.00		41.03.24			
8/9/2916	72150	9927	BRYANT JEJUKY A		29.55	3,00	3041.15	#1114 P.4		
3/8/2014	72130	09997	DUMP TRUCK-PLATBED		42.19	3.00		3230.99		
8/9/2016	72130	1042	ILACKHO6.		64.73	5.00		2008.00		
8/9/2016	72150	1809	PERKINS MODER L		21.24	5.00	2100.35	-		
6/9/2016	721.90	1006	DUMP THEOR 2013 MACK	1.5	28.95	3.00	California C	3094.15 ···		
8/9/2016	72150	1139	OUTHERY THOMAS		22.68	5.09	\$103.40	10000		
8/9/2016	72150	0817	PICKUP		13.88	1.00	1000	509.40		
8/9/2014	72150	2128	CATTLING LEVAR	3	18.54	1.09	\$92.70			
\$/29/2016	72167	2126	CARROLL MARCUS	3	17.62	2.09	\$33.24			
8/29/2016	72167	0997	DUMP TRUCK-FLATBED		47,19	2.09		\$94.38		
8292016	72167	1042	BACKHOE		60.23	2.00	12.000	\$121,45		
8/29/2016	72167	1530	GUTHERY THOMAS	3	29.68	2.99	\$41.36	125.025		
8/29/2016	72167	1029	DOMP TRUCK	1	46.35	2.00		\$92.79		
8/29/2016	72967	2538	CATTLING LEVAR	3	18.54	2.00	\$37.08			
\$(29/2816	72167	0981	PICKUP	1 C	18.31	2.00		\$36.62		
8292916	72167	2125	SEARS MARQUETTE	3	16.09	2.00	\$32.38			
9/20/2016	72148	2521	HELL AMOS	3.	29.85	3.00	\$100.25			
9/20/2016	72188	1055	EXCAVATOR-WHEELED	1. C	148.69	5.00		\$743.45		
9/20/2016	(2)14年	1468	DUTTON CLAUDE C	3	18.55	5.00	390.80			
9/20/2016	72188	1064	2016 MACK DUMP DRUCK	1 C C	104.81	5.00		\$124.05		
9/20/2016	72188	2536	CARROLL MARCUS	3	17.62	5,00	\$88.10			
9/20/2016	72188	19945	PICKUP	1	13.79	5.00		\$68.95		
9/20/2016	72188	1517	WASHINGTON ROBERT E	3.0	27.41	5.00	\$137.01			
9/20/2016	72188	1005	PICICUP-2007 FORD	10	18.30	5.00		\$91.50		
Road Id - 0005	U8-: GAL	LANT B	OAD							
Activity Id. 35	6 Disching									
Read District	1-1									
7/13/2016	12127	2525	HELL AMOS	3	30.05	10.00	\$200.50			
7/13/2006	72127	1013	EXCAVATOR-WREELID	1	148.09	10.00		\$1,485.90		
2012/2016	72127	2573	SEARS MARQUETTE	1	16.19	30.00	\$163.90			
2132004	721127	1079	DUMP THOCK	1	46.33	10.00		\$463.50		
2158/2006	72128	2521	HILL AMOS	3	20.65	10.00	\$208.50			
7/14/2004	221124	1045	EXCAVATOR-WHEELED		145.69	30.00		\$1,485.90		
354/2016	12128	2515	STOWERS SHEA	1	20.32	10.00	\$202.20			
inter a frequer	81414	1070	DOMP TRUES	1	46.13	10.00		\$463.50		
10.000	1.0.00		and the second second		and the second se			-		

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ETOWAH COUNTY - DOCUMENT SET 4-2

		2.5					Real Cont	Sec.	Martin	Dec.
Date	0.0164	H	Principline	Hate 1d	Reality	s.webs	and case	edit Cont.	PART C. CO.	- Con Call
Project Id -25-002	HROW SE	AINTEN/	OAD	DULDER						
House by - Weeks	OB-C GALL	LASTIN	(Map							
Artistry to Jos	t tracking									
The second second	33131	3431	HERE ADDRESS.		33.04	10.00	1200 52			
20220016	22122	1015	ENCAVATOR-MILLER	1	148.60	10.00		12,486.90		
2/18/2014	72131	1444	DUTTON/CLASSEC		18.16	10.00	10100	and the second		
71827614	221.24	1079	DUMP THUCK		45.35	10.00	-	5463.50		
245/2016	32132	1249	FRONT RANDALL C		29.89	10.00	\$298.90	Senters.		
2/10/2016	22110	1014	PICKUP-2012 HORD F159	1.1	18.59	10.00		\$385.50		
7/19/2014	72132	2539	HELLANCE		20.05	10.00	\$200.10			
2192816	225.52	1043	INCAVATOR-WHEELED	- P	148.69	10.00		\$1,486.99		
2/19/2016	72132	1448	DUTTON CLAUDE C		18.16	10.00	\$181.60			
7/19/2016	72532	1029	DUMP TRUCK	10	46.35	10.08		\$463.50		
321/2016	12134	1239	FROST RANDALL C	3	29.89	10.09	\$298.96	100		
3210966	22134	1054	PICKUP-2012 FORD F158		18.59	10.00		\$185.99		
7/21/2016	72134	2521	HELL AMOS	3	28.65	10.00	\$300.50			
7/21/0016	22134	1013	EXCAVATOR-WHEELED	1.1	148.69	10.00		\$1,486.99		
7/21/2006	72134	1468	DUTTING ALDE C	- 3	18.56	10.00	\$181.60			
7/24/2016	221134	1029	DUMP TRUCK	1	46.35	10.00		\$463.50		
7/25/2006	72137	2515	STOWERS SHEA	3	20.22	10.00	\$382.20			
3/25/2016	221117	1053	ENCAVATOR-WHEELED	1.5	148.69	10.00		\$1,485.90		
7/25/2016	T2137	1156	PATTERSON WILLIAM J	3	20.97	10.00	\$297.70			
3/25/2016	72137	1029	DUMP TRUCK	1.1	46.35	10.00		\$463.58		
7/25/2016	22132	2521	HELL AMOS	3	20.05	5,00	\$100.25			
7/25/2016	72137	8943	PICKUP	4	13.79	5,00		\$68.95		
3/25/2016	12137	2507	GRANCER BRUCE	3	20.87	10:00	\$268.70			
3/25/2016	721.97	0081	PICKUP	1	18.31	10.00		\$183.10		
2/25/2016	72137	2505	GIPSON ADAM	3	19.37	5.00	\$96.85			
7/25/2006	72137	1634	TRUCK-FLATINED CRIEW	1	27.92	5.00		\$139.60		
7/25/2606	72135	2523	SEARS MARQUETTE	3	16.15	5.00	\$80.95			
Road 14 - 0995	424 GAR	MONRO	DAD							
Activity 14 350	Ditching									
Band District	14									
4/5/2016	72047	2523	HELL AMOS	8.	20.65	5.00	\$109.25			
4/5/2016	32047	1853	EXCAVATOR-WHEELED	1	142.56	5.00		\$712.50		
4/5/2016	72047	2515	STOWERS SHEA	3	20.22	5.00	\$101.10			
4/5/2016	72047	1829	DUMP TRUCK	1	52.74	5.00		\$263.70		
Read 1d - 0995	82-: GEN	E BROW	NROAD							
Activity M. 350	0 Ditching									
Read District	-4									
\$29,2016	12142	1217	NORTON STEVE A	3	23.64	3.00	\$76.92			
8/29/2016	32167	1852	EXCAVATOR-WHEELED	1	148.69	3.00		\$446.07		
8/29/2016	72167	1044	HEARD ERIC W	3	24.12	3.00	\$72.36			
\$/29/2016	72167	1010	DUMP TRUCK	1	77,28	3.00	- 13 M M	\$231.84		
8/29/2016	72167	1493	NAIL JAMES	3	22,16	3.00	\$56.48			
\$/29/2016	22142	1018	DUMP TRUCK-2013 MACK	1	103.66	3.00		\$310.98		
8/29/2016	72167	1524	KUHN RICHARD A	3	27.58	3.00	\$82.14			
\$/29/2016	12167	1055	PICKUP-2012 FORD F150	,	18.59	3.00		\$53.77		
Road Id - 0005	84-; GEN	E WHIT	TROAD							
Activity 58 35	9 Ditching									
Road District	-3						Sector Sector			
4/5/2016	72047	1217	NOR FOR STEVE A	3	13.64	3.00	\$70.92	0.000		
4/5/2016	72047	1052	EXCAVATOR-WHEELED	1	142.50	3.00		\$427.50		
4/5/2016	72047	1044	HEARD ERC W	3	24.12	3.00	\$72,36			
4/5/2016	72047	1000	DOMP TRUCK	1	88.96	3.00		\$356.88		
4/5/2016	72947	1381	SALERS WILLIAM R	3	28.37	3.00	\$84.13			
4/5/2014	72047	1058	DUMP TRUCK-2013 MACK		117.09	3.00	20026	\$351.27		
4/5/2016	72947	1581	SALERS WILLIAM R	3	31.37	3.00	\$64.11			

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ETOWAH COUNTY - DOCUMENT SET 4-2
Bute	DJ M		Description	Rate M	Rate	Units	Emp Cost	Equ Cent	Mat Cest	Ces Ces
Project M -28-003 Road Id - 0005	HROW M	AINTEN/	UNCE-DRAINAGE,DITCH.SH T ROAD	OULDER						
Activity 53 354	Dishing									
Road District										
4/5/2016	72047	1008	DUMP TRUCK-2013 MACK	1	117.09	3.00		\$151.27		
Road 1d - 0005	61-1 GH.I	EY BOA	AD							
Activity 54 -38	Disking									
Read District	-1									
6/23/2016	72114	0827	BRYANT JUREY A	3	29.55	5.00	\$247,75			
6/27/2016	72118	0997	DUMP TRUCK-FLATBED	1	53.58	5.00		\$267.90		
6/27/2016	72114	1042	BACKHOE	1	67.34	\$.00.		\$336.70		
Road 1d - 0005	72-4 GLE2	NN GAP	ROAD							
Activity 1d 350	Binhing									
Read District	-1									
8/29/2016	72167	2526	CARROLL MARCUS	3	17.62	3.00	\$12.85			
8/29/2016	32167	0997	DUMP TRUCK-FLATIND	1	47.19	3.00		\$141.57		
8/29/2016	72167	1043	BACKHOE	1	41.73	3.00		\$185.19		
8/29/2014	72167	1130	GUTHERY THOMAS	3	20.68	3.00	\$62.04			
8/39/2016	72167	1029	DUMP TRUCK	E	46.35	3.00		\$139.85		
8/29/2016	72167	2328	CATTLING LEVAR		18,54	3.00	\$55.62			
8/29/2016	72167	0981	PICKUP	1	18.34	3.00		\$54.53		
809/0016	72167	2123	SEARS MARQUETTE	3	15.19	3.00	\$48.57			
Road Id - 0006	II- HAP	PY HILL	RD.							
Activity Id. 359	t Disbing									
Read District										
4/12/2016	73853	2517	MESSER NICHCLAS A		18.00	5.00	\$90.08			
4/12/2016	72052	1043	BACKHOE	1	67,34	5.00		\$336.70		
4/12/2016	72012	1000	TRALER-UTILITY	1	11.58	5.00		\$17.90		
4/12/2016	12052	1001	DUMP TRUCK-FLATIND	1	54.34	5.00		\$271.70		
4/12/2016	73853	2320	BOBO BRIAN	3	17.60	5.00	588.00			
4/12/2016	73953	2582	SHEELER DAVID	3	16.56	1.00	583.80			
4/12/2016	72052	1000	DUMP TRUCK-2003	1	58.54	3.00		\$257.79		
4/12/2016	73953	0429	KELLEY DONALD R		29.80	5.00	\$149.00			
4/12/2016	72052	0963	PICKUP	F	15.75	1.00		\$78.75		
Read Id - 0006	66-: HILL	102.04	OULEVARD							
Activity 1d 359	Ditching									
Read District	-1									
5/13/2016	23977	2121	HEL AMOS	3	28.05	5.00	\$100.25			
5/12/2016	72077	1053	EXCAVATOR-WHEELED		142.50	5.00		\$712.50		
5/12/2016	72077	2567	GRANCER BRUCE	3	28.87	5.00	\$194.35			
5/12/2016	92077	1036	DUMP TRUCK-2015 MACK	1.	98.61	5.00		\$453.05		
5/12/2016	72877	2515	STOWERS SHEA	3	28.22	5.00	\$191.10			
512/2016	72877	1001	TRUCK-FLATHED CILEW	1.1	29.71	5.00		\$148.55		
Read Ed - 0006	70-: HOL	COMBE	DR.							
Activity 1d 35	0 Ditching									
Road District	1-1									
\$13016	7235F	9027	BRYANT JERRY A	3	29.55	5.00	\$147.75			
8/17/2016	72137	4997	DUMP TRUCK-FLATNED	1	47.89	5.00		\$235.95		
8170916	72137	1043	BACKHOE	1.1	61.73	5.00		\$308.65		
8/17/2016	72157	1468	DUTTON CLAUDE C	3	18.14	5.00	\$90.80			
8/17/2016	22133	1029	DUMP TRUCK	1	46.35	10.00		\$463.50		
Boad 5d - 0007	21-: HR/T	CHINS /	AVE.							
Artistics Id. 39	6 Disching									
Road District	1.2									
4/6/2018	12048	2525	HELL AMOS	3	20.05	3.00	\$60.15			
4/6/2914	72048	1043	EXCAVATOR-WHEELED	1	142.90	3.00		\$427.50		
4/6/2014	72048	2125	SEARS MAROUETTE	1	16.15	3.00	\$48.57			
4%/2016	73948	1029	DUMP TRUCK	1.0	52.74	3.00	2022	\$158.22		
4/6/2014	72048	1110	MCGATHA CHARLEN K	3	23.63	3.00	\$79.95			
D/		98				E.			NT SET 4-2	
I <i>r</i>										

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date	DJM	. M	Description	Rate 1d	Rate	Units	Keep Cost	Equ Cost	Mat Cost	Cos Cost
Project ld - 28-002 Boad Id - 0007	LIKOW M	UNTEND CHENS A	NCE-DRAINUGE,DITCH,SH	OULDER						
Activity 3d 350	Ditching		309 C							
Road District	-	Carlos -	manufactory and a stranger internet		100.000	10.000		1000		
4/6/2034	72048	1001	TRUCK-FLATIRD-CREW		29.71	3.90		348.13		
Read Id - 0003	HI- IVAN	ROAD								
Activity 3d 200	1 Disching									
Road District	-4		And an		22.55	100				
9/3/2016	72176	1217	NORTON STEVE A		23.64	2.99	\$20.04			
9/7/2016	721.76	1052	EXCAVATOR-WHEELED		148.09	2.50		\$375.70		
9/7/2018	72176	1294	LUMPKIN MARK S		20,74	2.50	3011.80			
9/2/2016	721.76	1008	DUMP TRUCK-2013 MACK		160.00	2.59		\$139.03		
Hoad Id - 0007	48-; JACS	csos n	UGL.							
Activity 1d 250	Ditching									
Road District		- and	A DESCRIPTION OF A DESC			1.12	A 100 100			
N160016	73980	2317	MESSER NR HELAS A		18.00	4.00	\$72.00	Print of		
7/19/2019	72080	1043	HACKHON		67.56	4.00		\$209.30		
5/16/2016	72080	1000	TRAILER-UTILITY		11.58	4.00		346.32		
5/16/0016	72080	1001	DUMP TROCK-PLATHED		54.34	4,00	1000	\$217.30		
3/16/2018	72980	2542	SHRELER DAVID		15.56	4.00	506.34			
5/16/2010	72080	1020	DUMP TRUCK-2001		31.54	4.00	A	\$206.05		
5/16/2016	73980	0679	KILLEY DONALD R	3	29.80	4.00	3119.29			
3/16/3016	72089	0983	PSCRUP		45.75	4.00		\$63.00		
Hoad Id - 0007	884 3059	ES CHAP	EL HD							
Activity 14 399	P Ditching									
Road District	-#	and a	and a second second			11112				
6/7/2016	72997	2521	TELL AMOS	3	20.03	18.00	\$200.50			
67/2016	72097	1053	ENCAVATOR-WHEILID		142.50	16:00	11.11	11,425.00		
6/7/2016	72897	2515	STOWERS SHEA	3	20.23	16.00	\$202.30			
6/7/2016	72097	1029	DUMP TRUCK	1.0	32.74	10.00		\$327.40		
67/2016	73897	8110	MCGATHA CHARLES K	3	23.65	18.00	\$236.90			
6/7/2016	73997	H001	TRUCK-FLATHED-CREW	1. C	29.71	10.00		\$297.00		
6/8/2016	72998	2921	HEL AMOS		30.05	5.00	\$106.25			
6/8/2016	72098	1053	ENCAVATOR-WHEELED	1	142.50	5.00	1000	\$712.58		
6/8/2016	73998	2515	STOWERS SHEA	3	29.22	5.00	\$101.10	- 1965 I		
6/6/2016	73098	1029	DUMP TRUCK	1	32.36	5.00	1000	\$263.78		
6/8/2016	72998	1110	MCGATRIA CHARLES K	3	23.65	3.00	\$118.25			
6/8/2016	73098	1031	TRUCK-FLATHED-CREW	1. S.	29.71	3.09	100.00	\$348.55		
822/2016	72161	9027	BRYANT JERRY A		29.55	3.00	588.63	120.00		
8020916	72868	0997	DUMP TRUCK-FLATBED		47.19	3.00		\$241.57		
\$22,2916	72160	1042	BACKIROE	8.	63.73	1.00	10.000	2182.16		
80203916	72361	1196	PATTERSON WELLIAM J	3	28.77	3.00	\$62.31	-		
872/2916	72165	0998	DUMP TRUCK-FLATBED	1 C	47.19	3.00		\$141.57		
\$22,0016	32161	2587	GRANCER BRUCE	3	28.87	3.09	\$62.61			
822/2016	72160	1009	DUMP TRUCK	- A.	77.28	3.00		3231.84		
Houd Ed - 0008	114 KEE	NER LAS	NE							
Artisty M 350	Disching									
Road District	-2			2510	1.000	123.93	20220			
4122916	72952	25(7	MESSER NICEOLAS A	3	18.00	3.00	\$90.00	0.000320		
412/2016	72952	1043	BACKHOE	1	67.34	5.00		\$336.70		
4/13/2016	73053	1000	TRAILER-OTLITY	1	11.58	5.00		\$37.90		
412/2016	72952	1081	DUMP TRUCK-FLATEED	8.5	54.34	3.00		\$271.70		
612/2916	72852	2530	BOBO BRIAN	3	17.60	3.00	\$88.00			
4/12/2016	72053	0679	KELLITY DONALD R	3	29.80	5.00	\$149.00			
412(20)6	72952	9983	PICKUP	1	15.35	5.00		\$78,73		
Read Id - 0008	16+ KER	III LANE	E.							
Artivity M 350	Ditching									
Road District	-4									
9/3/2016	72176	1217	NORTON STEVE A	3	23.64	2.50	\$99.10			
PA	GE 20 OF	98				E	TOWAH COUN	TY - DOCUME	NT SET 4-2	

				121122	120101	31333	10110433	2012/12	12111-1111	9121227
Date	DJM	M	Description	Rate M	Rate	Units	Emp Cost	Eqr Cost	Mut Cost	Con Casi
Project Id - 28-803 Boad Id - 0008	LIROW M.	AINTEN RI LANI	ANCE-DRAINAGE, DITCH SHI LE	NUDER						
Activity Id. 35	0 Ditching									
Road District	t-4									
9/2/2016	72176	1052	ERCAVATOR-WHEELED	1.5	148.69	2.50		\$371.73		
9/7/2016	72176	1264	LUMPKIN MARK 5	3	29.74	2.99	\$51.85			
9/7/2016	72176	1008	DUMP TRUCK-2013 MACK	1.1	103,66	2.90		\$219.15		
Road Id - 0008	IS- KER	RI LANI	E W							
Activity 1d 35	0 Ditching									
Road District	1-4									
9/7/2016	72176	1217	NORTON STEVE A	х	25.64	2.50	\$59,10			
9/7/2016	72176	1052	ENCAVATOR-WHEELED	1	148.69	2.90		\$371.75		
9/7/2016	72176	1264	LUMPEN MARK S	3	29,74	2.99	\$51.85			
9/5/2016	22126	1008	DUMP TRUCK-2013 MACK	- NO	103.66	1.50		\$239.15		
Road Id - 0008	194 KER	SEATER	UARTERS RD							
Activity 1d 35	0 Ditching									
Road District	1.2									
6362916	72117	0027	BRYANT JERRY A	3	29.55	10.00	\$295.50			
6/36/2016	72117	0997	DUMP TRUCK-FLATBED	1.0	. 33.58	16.00		\$535.80		
6/36/2816	72117	1942	BACKHOE	1	67.34	10.00		\$873.40		
636(2916	72117	1196	PATTERSON WELLIAM J	2	39,77	10.00	\$207,70			
636/3916	72117	1046	MOTOR GRADER-2013 CAT	1.1	131.67	10.00		\$1,316.29		
6382916	32117	2523	SEARS MARQUETTE	3	15,19	10.00	\$161.90			
609/0916	72117	1029	DUMP TRUCK	1.	52.74	10.00		\$527.49		
Road Id - 0008	24+ KIMI	BRIL CI	RCLE							
Activity 14 35	6 Dischieg									
Road District	04 C									
8/16/2016	72156	2521	HELL AMOS	3	20.05	3.00	\$1000.25			
8160316	72156	1053	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
8/16/2016	72156	2397	GRANGER BRUCE	3	29.87	1.00	\$204.35			
8/16/2016	721.56	1029	DUMP TRUCK	1.1	46.35	1.00		\$231.75		
8/16/2016	32156	2525	SEARS MARQUETTE	3	16.19	5.00	\$80.95			
8362016	721.56	8003	TELCK-FLATBED-CREW	1.5	37.92	5.00		\$339.69		
8/16/2916	72156	2128	CATTLING LEVAR	3	18.54	5.00	\$942.70			
Head Id - 0008	43+ LAK	E CIRCI	LE .							
Activity 14 35	0 Disching									
Road District	1-2									
5/18/0916	72962	2521	HELL AMOS	3	28.05	4.00	\$80.20			
5/18/3016	72063	1053	EXCAVATOR-WHEELED	1.1	142.90	4.00		\$370.00		
3/18/2916	72062	2505	GIPSON ADAM	3	19.37	4.00	\$77.48			
5/18/2016	72982	1004	TRUCK-PICK UP FLAT CREW	1 13	26.64	4.00		\$206.56		
1/18/2016	22062	1468	DUTTON CLAUDE C	3	18.55	4.00	\$72,64			
5/18/2016	72982	1008	DUMP TRUCK	1.2	88.96	4.00		\$355.84		
5/18/2016	72963	2128	CATTLING LEVAR	3	18.54	4.00	\$24.16			
915/2016	72183	0027	BRYANT JERRY A	3	29.55	4.00	\$118.20			
9/15/2016	72183	0992	DUMP TRUCK-FLATHED	1	47.19	4.00		\$188.76		
915/2916	72183	1468	DUTTON CLAUDE C	2	18.16	4.00	\$72.64			
9152016	72183	1029	DUMP TRUCK	1	46.35	4.00		\$185.40		
915/2016	72183	2128	CATTLING LEVAR	3	18.54	4.00	\$74.16			
915/2016	72183	0457	PICIKUP	1	13.88	4.00		\$55.52		
9150916	72180	1942	BACKINOE	1	61.73	4.00		\$246.93		
Road Id - 0008	49+ LAN	EBARD	ON RD							
Activity 1d -35	· Disching	2								
Road District	1 - 2									
5/24/2016	72067	2521	HELLAMOS	3	20.05	3.00	\$60.13			
5/24/2016	72987	1053	ENCAVATOR-WHEELED	1	143.50	3.00		\$427.50		
5/24/2016	72967	2515	STOWERS SHEA	3	20.22	3.00	\$40.66	2.3		
5/24/2016	72067	1629	DUMP TRUCK	1.7	52,14	3.00		\$158.22		
5/24/2016	72087	2585	GIPSON ADAM	3	19.37	3.00	\$58.11			
				200	1000					

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Detr	DJM	M	Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cost Cost
Project Id -38-003 Road Id - 0008	1000W M	AINTENA E HARDI	NCE-DRAINAGE.DITCH.SHO IN RD	LDER					
Activity 1d 350	1 Ditching								
Road District	-3								
5/24/2016	72087	1001	TRUCK-FLATBED CREW	1.0	29.71	3.00		\$89.13	
Road Ld - 0008	53-: LAK	E MARY	LOUISE ROAD						
Acably 14 350	6 Disking								
Road District	-1								
4/3/2016	72949	1196	PATTERSON WILLIAM J	3	29.77	5.00	\$1003.85		
6/3/2018	72049	1011	BACKHOE	1.	67.34	5.00	1000	\$336.70	
5500016	73974	0027	BRYANT JERRY A	3.	29.55	5.00	\$147.75		
5/9/2015	72074	0998	DUMP TRUCK-FLATBED	1.1	23.58	5.00		\$267.90	
59/2016	72074	1041	BACKHOE	1.5	67.34	3.00		\$334.70	
59/2016	23974	2107	GRANGER BRUCE	3	33.87	5.00	\$104.35		
5/9/2016	72074	1099	DEMP TRUCK	1.1	88.96	5.00		\$444.80	
5/17/2016	72061	0027	BRYANT JERRY A	3	29.55	4.00	\$118.20	1000	
5/17/2016	73581	0997	DUMP TRUCK-FLATRED	100	\$3.58	4.00		\$214.32	
5/17/2016	72080	1042	BACKHOE	- 62 -	47.54	4.00		\$269.36	
Road Id - 0000	09-; LAY	SPRING	SIRCLAD						
Activity 14 .350	1 Disking	8							
Road District	-1								
4/2/2016	72949	1259	FROST RANDALL C	3	29.89	1.00	\$29.88		
4/3/3016	72049	1054	PICKUP-2012 FORD F130	1.1	19.74	1.00		\$19.74	
4/2/2016	22049	1259	FRONT RANDALL C	- 22	39.70	1.00	\$19.76	12000	
4/7/2015	72049	1054	PICKUP-2012 FORD FUSI		19.74	1.00		\$19.74	
4/3/2016	23548	0007	BRVANT SREVA		38.47	2.00	\$76.94		
4/3/2016	72549	0997	DEMPTRICK-FLATIND	10	11.58	2.00		\$107.35	
470034	73049	1041	BACKING	12	67.54	2.00		\$234.68	
4/3/2015	225449	1530	GUTHERY THOMAS	1.0	22.62	2.66	\$55.64	10000	
4/3/2014	73049	1008	DEMP TRUE K	1.1	88.96	3.00		\$177.90	
475/2016	23040	DHL.N	STUDIE - SUP RAP (R.107)	TON	11.00	11.00		1010-00A	1195.00
4/3/3016	11540	1441	ORANGER BRUCE	5	37.29	7.00	354.18		410000
4/3/3016	23549	1004	TRUCK-PICK UP FLAT CREW	12	16.64	2.00		251.00	
672/2016	73549	1899	PERKINS BOOFD L	- 21	22.22	2.00	\$55.54		
473/2016	73549	0817	PERCENT	1.1	14.40	7.00		\$29.38	
Band I.I 0000	27. LEM	ONS BO	LOW BOAD	1.1					
Activity 14, 30	6 Ditching								
Road District									
80303016	71117	2421	HELL AMON	- 62 C	39.94	3.05	\$60.11		
8/17/2016	73143	1053	FOR AVATOR, WHEELFD		148.69	1.00	200.12	\$486.07	
8/11/2016	31947	2482	CHANCES BELLET	- 24	29.87	1.00	562.63		
\$17707014	93133	1000	Dilber TRUCK	1.1	17.28	3.00	200.00	4211.84	
87723016	229.87	2128	CATTUNGLEVAR		18.54	1.00	\$51.63		
8/17/2016	77147	1001	THECK-PLATHED-CREW	10	22.92	1.00	410.04	380.76	
Boad Id - 0000	H- LEW	IN ROAD	THIS IS THE THE PARTY OF THE PA	5 G.		1000			
Activity 14, 341	b Districtory	ale inclusion	55						
Road District									
4/13/2016	71053	0077	BRYANT BURKY A		29.55	3.00	588.64		
413/3014	73013	0047	DOME TRUCK - FLATBED	20	53.58	1.00		\$340.74	
41112014	23043	and a start	BACKING	- 20	67.54	1.00		\$2902.00	
4713/3016	10051	1000	PERIODS INCOME.	- 20	21.24	1.00	\$63.77		
40303010	0.000	1000	FRIDAR TRUETS AND MARTY	1.1	00.61	1.00	200.12	1171 81	
473/3010	22000	10.00	CREATER DRIVE	- 22	24.97	1.00	442.41	3471363	
4/13/2010	10003	1000	DEDEPHOEN BROCK	- 22	88.54	1.00	304.03	8166.88	
41,0,018	72050	1009	DUMP HILDLE.	- A. C.	88,20	3.00		\$190.84	
Noted by 1 0000	AND LITT	LA CON	e. Manual						
Actually 14 259	a second								
Road District	and and	-	Automatical extension of	4	-		*****		
86/2018	72373	BARP.	FREETON STEVE A	- 25	13.64	3.00	9134.20	#141 at	
242/2016	10113	NV0.2	DATA OF DESCRIPTION		144.09	5.00		*141.43	
PA	GE 22 OF	98				E	TOWAH COUN	TY - DOCUME	ENT SET 4-2

ETOWAH COUNTY - DOCUMENT SET 4-2

Report Date: 05/15/2017 Report Id: Rppro012.rpt

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	DJM	. M.	Description	Rate 1d	Rate	Units	Emp Cost	Equ Cost	Mat Ceat	Cas Cas
Project Id - 28-002 Road Id - 0009	HROW M	AINTEN/	ANCE-BRAINAGE, DITCH, SH TE ROAD	OULDER		11040				
Activity M 3%	b Divbing									
Read District	-4									
96,2004	72175	1144	HEARD ERIC W	3	24.12	5.00	\$129.60			
95/2006	77175	1010	DEMP TRUCK	1	77.28	5.00		\$386.40		
98/2016	73174	1264	LUMPEN MARE S		20.74	5.00	\$103.70			
W6/DMLK	72175	1008	DEMP TELCK-, MATCH		007.66	5.00		\$518.30		
96/2016	231274	1154	KUNN RECHARD A		27.38	5.00	\$136.90	and a second second		
96/2016	72175	1055	PICKUP-2012 ROUD F150		18.19	5.00		\$92.94		
9/2/2014	77176	1717	NORTON STEVE A		23.64	2.50	\$18.10	10000		
9707004	12136	1057	ENCAVATOR-WHEN ED	1	148.02	2.50		\$371.75		
97/2004	22124	1354	LUMPED MARES		20.74	2.50	\$51.85	0.000		
0/7/2016	72136	LOOK	DEMP TRUEY, 2013 MACK	1.12	1011-66	3.50		\$248.15		
6496/20055	214.23	1717	NOPTON STEVE A		23.64	5.00	\$718.20			
0/0/2004	70177	1007	ENCANATOR- MORE ED		148.40	5.00		\$243.45		
0.000000	100.00	1264	LINDEN MADE 2		20.74	5.00	\$103.30	4140.42		
0002000	221.07	1004	THE REPORT OF A DESCRIPTION		100.04	1.00	4100,00	4518.30		
48.2005	101.00	1000	EVENT TRUCK-2003 NEW, N.		37.14	2.00	1114.00	3018.09		
98/3098	72877	1324	KOHN KICHARD A		27.58	5,00	31.76.79	1001-04		
98/2006	12117	1005	PR.KOP-2012 PORD P150		18.79	3,00	The second second	372.32		
9012/2019	72180	1117	NORDON STEVE A		2,5,64	4.00	304.30	0.004.00		
9/12/2016	121.80	1012	EXCAVATOR-WHEELED		148.00	4.00		3004.09		
9/12/2018	72180	1491	NAIL JAMES		22.16	4.00	348.54			
9/12/2016	72180	1018	DUMP TRUCK-2013 MACK		205.66	4.00	a subst. with	2414.04		
9/12/2016	72180	1124	KUTIN RICHARD A	3	27.58	4.00	\$109.52			
9/12/2016	72180	1055	PICKUP-2012 PO803 P150	B. 1	58.59	4.00		\$74.39		
Road Id - 0009	70-: LITT	LETON	ROAD							
Activity 1d 35	# Ditching									
Road District	1-3				1000	1000	1000			
5/9/2036	72974	1325	POSETY JAMES D	3	21.22	2.50	\$53.05			
5/9/2016	72074	1040	BACKHOE	- C	67.34	2.90		\$368.35		
5/9/2016	72074	1000	TRAILER-UTILITY		11.58	2.50		\$28.99		
5/9/2016	72034	1001	DUMP TRUCK-FLATIND	- C.	54,34	2.50		\$135.85		
59(2016	73974	0679	KELLEY DONALD R	3	29.80	2,50	\$74.50			
5/9/2016	72074	1020	DUMP TRUCK-2003	- C	51.54	2.50		\$128.85		
Road Id - 0009	984 MAC	EDONI	AROAD							
Activity 14 35	9 Disting									
Read District	1-1									
5/19/2016	72963	2521	HEL AMOS	9	29.05	1.00	\$100.15			
5/19/2014	72083	1053	EXCAVATOR-WHEELED	- E -	142.50	5.00		\$712.30		
5/15/2016	73983	2515	STOWERS SHEA	3	29.22	5.00	\$101.10			
5/19/2916	72983	1029	DUMP TRUCK	10	\$2.74	1.00		\$363.70		
5/19/2016	72983	2528	CATTLING LEVAN	3	18.54	5.00	\$92.70			
5/19(2016	72083	9001	TRUCK-FLATIND-CREW	1.	29.75	3.00		\$148.55		
5/23/2016	72986	2321	HEL ANOS	3	38.65	10.09	\$200.50			
5/23/2016	72066	1055	ENCAVATOR-WHEELED	1	142.50	10.00		\$1,425.00		
5/23/2016	72986	2515	STOWERS SHEA	3	29.22	10.00	\$342.29			
5/23/2016	72086	1029	DUMP TRUCK	1	32.74	10.00		\$527.40		
5/23/2016	728866	2585	GIPSON ADAM	3	19.37	10.00	\$199.70			
5/23/2016	72046	1092	TRUCK-PLATHED CREW	2	29(7)	10.00		\$297.10		
5/23/2816	77986	2538	CATTLING LEVAR	3	18.54	10.00	\$185.40			
Boad Id - 0010	HA- MAY	O CINC	1.E							
Activity 54, 35	0 Ditching									
Read District										
9211916	12156	1212	NORTON STEVE &	3 C	23.64	5.00	\$118.20			
9/22/24/2	27-094	1003	ENCAVATOR-WHETHED	1	140.40	5.00		3743.45		
10/12/2014	75196	1144	HEARD FRY W		24.12	5.00	\$120.40			
0,010,044	22100d	1000	THE MACK TRIME TRUCK	2.0	104.01	5.00		\$574.04		
0.02/2014	12110	1474	KINN BUTHAND A		27.14	5.00	\$136.90			
wenterso.	relie	12/04	NOTES NATIONAL N			1.00		L		
PA	AGE 23 OF	98				E	TOWAH COUN	TY - DOCUME	ENT SET 4-2	

Report Date: 05/15/2017 Report Id: Repro012.rpt

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Party	Diam'r.		Description	Rate 14	Rate	Electro.	Kana Cost	Los Cost	Mat Cost	Con Cont
Provinced Ref., 74, 607	TROW NO	INTENA	NCL. DRAINAGE DITCH SID	OFTERE		1.000	Long Com	equ cam	2441 (244	
Bund Id - 0010	PH MAY	O CINCI	LE	Contraction of						
Activity 14 350	Ditching									
Road District	-4									
9/21/2016	72196	1055	PICKUP-2012 FORD F150	1.2	18.59	5.00		\$92.95		
Bond Id - 0010	50-1 MAY	OROAD								
Activity 14 - 350	Dishing									
Road District	-4									
5/9/2016	72974	1225	POSEY JAMES D	3	28.22	2.50	\$53.85			
5/9/2016	72014	1045	BACKHOE	1.5	67.34	2.50		\$168.35		
5/9/2016	73074	1000	TRAILER-UTILITY	- L.S.	11.58	2.90		\$28.95		
5/9/3016	73074	1001	DUMP TRUCK-FLATHED	1 C C	54.36	2.50		\$133.85		
5/9/2016	72974	9679	KELLEY DONALD R	3	29.80	2.50	\$74.50	장영영영		
5/9/2016	73074	1020	DUMP TRUCK-2003	- E.	33.54	2.50		\$128.85		
9/26/2016	72199	1217	NORTON STEVE A	3	23.64	3.00	\$118.20			
9262916	72195	3052	ENCAVATOR-WHEELED	1.1	148.69	5.00		\$743.45		
9/26/2016	72196	1144	HEARD ERIC W	3	34.12	5.00	\$120.68	1000		
9/26/2016	73199	1067	2016 MACK DUMP TRUCK	1.1	104.81	5.00		\$324.05		
9/27/2914	72196	8217	NORTON STEVE A	N	23,64	5.00	\$118.20			
9/21/2016	72196	1982	EXCAVATOR-WHEELED	- E	148.69	5.00		\$743.45		
9/23/2016	22296	1146	HEARD ERIC W	3	34,12	5.00	\$120.00			
9212816	72196	1068	2016 MACK DUMP TRUCK	- C	104.81	5.09		\$324.05		
9/27/2016	72796	1524	KURN RICHARD A	3	27.38	1.00	\$136.90			
9/27/2816	72196	1055	PICKUP-2012 FORD F150	- N	18.59	5.00		\$82.95		
Hoad 1d - 0010	SL- MAN	O ROAD	SOUTH							
Activity M. 350	Disching.									
Road District	-4									
9/26/2916	22195	1217	NORTON STEVE A	3	23.64	5.00	\$118.29	100000-001		
9/26/2016	72999	1052	EXCAVATOR-WHEELED	1.1	148.09	5.00		\$743.45		
9/26/2016	72195	1144	REARD ERIC W	3	24.52	5.00	\$120.60			
9/26/2016	72999	1067	2016 MACK DUMP TRUCK	- F.	104.81	5.00		\$524.05		
Boad 84 - 9010	65+ MOCI	LAIN AT	VENUE							
Activity Id. 350	Disching.									
Hand District	-2			- 23			man as			
4/7/2916	12049	2522	HELL AMOS		20.05	5,00	\$100.23			
4/0/3016	73949	1053	ENCAVATOR-WHEELED		142.50	5.00		\$117.20		
4/1/2016	12049	3468	DUTTON CLAUDE C		18.16	5,00	390.80			
4/1/2016	72949	1029	DUMP TRUCK		52.94	5.00		\$180.70		
4/1/2016	12049	1130	MOGATINA CHARLES K.	3	23.65	5.00	2010/12			
4/3/2016	73949	1011	TRUCK-FLATBED CREW	1.00	29.71	5.00		PHIERO -		
Houd 1d - 9910	THE MICH	HORDS	HE RECEARD							
Activity 1d - 350	Disching									
Road District	-		CONTRACTOR CONTRACTOR		CONTRACT	1.00	475.01			
8/29/2016	12167	1217	NORTON STEVE A		25,04	3.00	210.00	4.040.02		
8/29/2016	72167	1952	EXCAVATOR-WEEPLED		245.05	3,00	410.54	3000.07		
8/29/2016	72167	1044	INCASSION W		20.12	3.09	\$12.09	*****		
8/29/2016	12307	1010	DUSEP PROCE		27.48	3.00	444.44	ALTON		
8/29/2016	72167	8495	NAL DAMES	- 10 -	20.10	3.00	200.48	4111.00		
8/29/2016	12167	3018	DUMP TRUCK-2013 MALK		105.66	3.90		2010.00		
8/29/2014	12162	1524	KUHN KICHARD A		27.58	3.00	247.14	Fee 71		
8/29/2016	32367	1853	PICKOP-2012 PORD FISE		18.59	3.00		320.77		
Road 14 - 0010	MILL SHILL	ALC: NO.	TOM HOVE							
Activity Id. 350	Distant									
Road District		-	and the second	100	Carlos -	1.000	2000 N.C			
8/16/2016	72156	1221	HILL AMOS	1	20.05	3.60	\$508(12)	1000		
8/16/2016	72156	1853	EXCAVATOR-AJEITED		148.69	5.00		\$143.49		
8/16/2016	72156	2961	CRAMIER BRIXE	20	10.87	2.00	8094.35	#1112 Tel		
8/16/2016	12136	1625	COMPTRIALS		49,00	5.00	100.00	9431.13		
#16/2016	12136	2323	SEARS REAR OF LETTE		10.13	1.00	990.93			

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ETOWAH COUNTY - DOCUMENT SET 4-2

Dute	TU M	м.	Description	Rate M	Bate	Units	Emp Cest	Equ Cost	Mat Cast	Cast Cost
Project Id -28-002 Read Id - 0010	1480W M.	AINTEN/	ANCE-BRAPAGE, DITCH, SHI LLOW ROAD	NLOER						
Activity ld 35	0 Disching									
Band District	1-4									
\$735/2016	72156	1611	TRUCK-FLATBED CREW	L .	27,92	5.00		\$139.60		
8/36/2016	72136	2528	CATTLING LEVAR		18.54	5.00	\$92.70			
8/37/2016	72157	2524	HELL AMOS	3	20.05	3.00	\$60.15			
8/17/2016	72157	1653	EXCAVATOR-WHEILED	- L	148.69	3.00		\$446.07		
8/17/2016	72137	2907	GRANGER BRUCE	- X.	20.87	3.00	\$62,61			
8/17/2016	72157	1809	DUMP TRUCK.	1 C	77,28	3.00		\$231.84		
8/17/2016	72137	2528	CATTLING LEVAR		18.34	3.00	\$35,62			
8/17/2016	72157	3433	TRUCK-FLATBED CREW	1	27.92	3.00		\$83.76		
Road 1d - 0920	88+ MUR	DOCK I	IDAD							
Activity 53 35	8 Dinhing									
Read Electricit	1-3									
4/27/2016	72064	2517	MESSER NICHOLAS A		18.00	4.00	\$72.00	10000000		
4/27/2016	32064	1040	BACKHOR	- L -	67.34	4.00		\$269.36		
4/27/2014	72064	1000	TRAKER-UTILITY	- E -	11.38	4,00		\$46.37		
4/23/2016	72064	1001	DEMP TRUCK-FLATBED	1	54.34	8.00		\$217.36		
4/27/2016	72064	0679	RELLEY DONALD R		29.85	4.00	\$119.20			
4/27/2016	72064	0983	PICKUP	- E -	15.75	4.00		\$63.00		
4/27/2016	72064	2512	SHEELER DAVED	- H.	16.56	4.00	\$66.26			
4/27/2016	72064	1011	DUMP TRUCK	1	88.96	4.00		\$355.84		
Road Id - 0020	1874 MUR	PHREE	VALLEY BOAD							
Activity 3d 38	8 Disbing									
Road District	1-4									
4/6/2016	72048	2120	BOBO BRIAN	3	17.60	5.00	\$88.00			
4/5/2016	72048	1029	DUMP TRUCK-2003	- E -	51.54	5.00		\$257.79		
4/6/2016	72048	2917	MESSER NICHOLAS A	э.	18.00	5.00	390.00			
4/5/2016	72048	1043	BACKHOE	1.5	67.34	5.00		\$336.79		
46/2016	72048	1000	TRAILER-UTILITY	- F.S.	11.58	5.00		\$57.50		
4/5/2016	72048	1001	DUMP TRUCK-FLATHED	- EG	54.34	5.00		\$271.79		
4/5/2016	73948	0679	KELLEY DONALD R	3	29.80	5.00	\$149.00			
4/6/2016	72048	0983	PICKUP	- E	15.75	5.00		\$78,73		
9/12/2016	72180	1217	NORTON STEVE A	3	23.64	3.00	\$70.92			
9(12)2016	72189	1052	EXCAVATOR-WHEELED	E)	148.69	3.00		\$446.07		
9/12/2016	72189	1491	NAIL JAMES	3 C	22.16	3.00	566.48			
912/3016	72180	1018	DUMP TRUCK-2013 MACK	1.5	100.66	3.00		\$310.98		
9/13/2016	72380	1:524	KUHN RICHARD A	3	27.38	3.00	582.14			
9/12/2014	72180	1055	PSCICUP-2012 FORD F150	1.1	18.59	3.00		\$55.77		
Head 14 - 0020	FIG: NEW	HOME	ROAD							
Activity 14 JS	0 Ditching									
Road District	1-4									
\$510014	72189	1217	NORTON STEVE A	2	23.64	3.00	\$70.92			
8312016	72169	1052	ERCAVATOR-WHEELED	1	143.69	3.00	100 C	\$445.07		
8310016	72149	1217	NORTON STEVE A	1	23,64	5.00	\$20.93	1000		
8313046	73169	1092	EXCAVATOR-WHEELED	1	148.69	3,00	2012	\$446.07		
8512016	72169	1491	RAL JAMES	2	22.16	3.00	\$66.48	101100		
\$(31/2016	22149	1018	DUMP TRUCK 2013 MACK	- L.	503.66	3.00		\$2112.98		
8312916	72169	1524	KUHN RICHARD A	3	27.38	3.00	\$82.14	1000		
8012016	72169	1035	PECKUP-2012 FORD F150	1	18.99	3.00		\$15.77		
Road 54 - 902	1774 NEW	HOPE	ROAD							
Activity Id. 35	0 Ditching									
Road District	1.4									
4/23/2016	32111	0027	BRYANT IEERY A	3	29.55	3.00	\$88.65			
6/23/2016	72111	2997	DUMP TRUCK-FLATBED	1.	53.58	3,00		\$160.74		
4/23/2016	72111	2538	CARROLL MARCUS	3	17.62	3.00	\$52.86	1000		
6/23/2016	72111	1029	DUMP TRUCK	1	52.74	3.00	2000	5138.22		
6/23/2016	72111	2523	SEARS MARQUETTE	3 C	16.19	3.00	\$48.57			
P/	AGE 25 OF	98				E	TOWAH COUN	TY - DOCUME	ENT SET 4-2	

				1999	12242	13.25	1201227	200203	1.110.2.1	100.02
Date	DIM	M_	Description	Hate M	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Cot Co
Project ld - 28-802 Read Ld - 9029	HROW M	UNTEN/	INCE-DRAINAGE, DETCH, SB ROAD	OULDER						
Activity 14 .05	Dibling									
Road District	-1									
623/2916	72111	0943	PICKUP	1.1	14.61	3.00		\$43.83		
6/23/2016	22111	1042	BACKHOE		67.34	3.00		\$202.82		
Bead Id - 0020	82+ NOR	EROA	D							
Activity 14 .30	f Disching									
Read District										
\$107016	22151	2121	HELLAMOS		20.05	0.5.00	\$100.25			
8100816	71013	1073	FXCAVATOR_WHEFT FD	1	148.69	5.00		\$343.45		
\$1507916	3214	6468	DRITTING CLAUDE C		18.16	5.00	890.80			
\$10,0016	22151	1008	DUMP TRUCK		99.28	5.00		\$386.40		
\$162016	12141	2484	CEPSON ADAM		19.37	5.00	\$96.85	1000		
8/10/2016	27443	10001	PROB DE LA COMPANY	÷.	18.31	5.00	1000	\$92.55		
#10/3016	2212.04	-	SEARS MARCHINTE		16.10	1.00	\$50.95			
Band Ed. , 0070	12+ 045	ES BOA	B			2.00				
Automate and here	the second	LS RUN								
Activity 10 and	e searsing									
Boad District	and and a	1000	And in the second se	×	20.00	110.00	4756.48			
4/1/2016	25845	64017	MARION STEVE A	A	23.94	10.00	3736.46	6071.45		
4/0/2016	72949	100.0	DACKHOE.	2.0	60.58	10.00		361.2.44		
4/7/2016	72949	1341	SALERS WILLIAM R		21.57	10.00	3213.79	AT 170.00		
47/2018	72049	1008	DUMP TRUCK-3013 MACK	5.0	117.09	10.00		\$1,170.99		
-4/3/2016	72949	1124	KUHN RICHARD A	3	27,58	10.00	\$277,365			
4/7/2016	72049	1055	PICI0UP-2012 FORD F158		19.74	10.00	1000	5197,48		
50/2016	72969	2507	MESSER NICHOLAS A	8	18.00	4.00	\$72.00			
\$9/2016	73969	1040	BACKHOE		67.34	4.00		\$369.36		
5:5:3016	73069	1000	TRAILER-UTILITY	1. S	11.58	4.00		\$46.32		
55/2016	72969	1061	DUMP TRUCK-FLATBED	8 C.	54.34	4.00	600 CAR 1	\$217.36		
\$3/2016	72989	2582	SHEELER DAVID	3	16.56	4.00	\$66,24			
5/3/2034	73069	1020	DUMP TRUCK 2003	1.0	51.54	4.00		\$206.18		
5/3/2014	T2069	-9679	KELLEY DONALD R	3	29.80	4.00	\$119.20			
5/3/2016	72969	0983	PICICOP	1	15.25	4.00		\$63.00		
Read Id - 0022	20-: OLD	GALLA	NT ROAD							
Activity 14 35	0 Disching									
Road District	-4									
81112016	32152	2531	MAYS IMMY R	3	16.20	5.00	\$81.00			
8/11/2016	72152	1043	BACKEROE	1	61.73	5.00		\$308.65		
811/2016	32152	8679	KELLEY DONALD R	3	29.80	5.00	\$149.00			
8/11/2016	729.52	1000	TRAILER-UTILITY	1	12.47	5.00		\$62.35		
8/11/3016	22133	1001	DUMP TRUCK-PLATHED	1	47.95	5.00		\$239.65		
Road 54 - 0022	28-c OLD	SHEFFT	FLD GAP ROAD							
Activity 14, 350	0 Ditching									
Road District	1.1									
4182864	72857	2517	MESSER NICHOLAS A	3.0	18.00	3.00	\$54.00			
618/2016	72057	1040	BACKEROE	1	67.34	3.00	10.000	\$292.02		
418/3644	71647	1000	TRAILER-LITE ITY	1.1	11.58	3.00		\$34.74		
418/2014	71057	1000	NIMP TRUCK -FLATRED		54.34	3.00		\$163.02		
4182644	73647	2512	SHEET HE DAVID		10.54	3.00	149.65			
4144044	11007	1076	IN INCOMENTAL ADDRESS	10	11.44	1.00		1154.42		
1000000	10000	2000	COMPTINCT AND A		20.04	3.00	101.40	1174.0E		
4180000	12507	10111	NELLCE DOMOLD N.		14.95	1.00	200.00	447.74		
Bundlid and	14807	10000	ALLEN BOAD		13.79	2.000		440.20		
Man 08 - 0021	ANC OLD	PORD V	ALLEY BUAD							
Activity 14 - 35	A Designed									
Road District	-		MARKED AND THE OWNER AND A		1.000		1.000			
4/23/2006	12114	0027	BETANLIERTA	20 A	29.55	3.00	244.85	Barris and		
4/23/2004	22311	0093	DUMP TRUCK-FLATHED	1	55,58	3.00		\$190.74		
4/23/2006	72111	2538	CARROLL MARCUS	8. C	17.62	3,00	352.86			
6/23/2006	72911	1029	DUMP TRUCK		32,74	3.00		\$158.22		
PA	AGE 26 OF	98				E	TOWAH COUN	ITY - DOCUME	NT SET 4-2	

Date	DJM	м	Description	Hate Id	Rate	£/with	Kaup Cost	Equ Cost	Mat Cost	Con Cost
Project Id - 28-802 Road Id - 9025	HROW MU	INTER-	INCE-DRAINAGE, DETCH, NB ALLEY ROAD	OULDER						
Activity 14 350	Ditching	140.00								
Hand District	-1									
6/23/2916	72111	2525	SEARS MARQUETTE	3	36.19	3.00	\$48.57			
6/23/2016	72111	0943	PICKUP	8.1	14.61	1.00		\$43.83		
4/21/2016	72111	1042	BACKINGE	1.0	67.54	3.00		\$282.00		
Band Ld - 0078	AL OTW	111.80	AD		- Acres					
Authory M. 240	binking.									
Band District										
4/3/3016	11040	1156	PATTERNON WEILIAM F		39.77	5.00	1003.85			
4/3/3016	22549	1041	BACKURGE		67.34	5.00		\$136.79		
Band Ld . 0075	AL OWE	NS SWT	TCH ROAD	- C. S.		1000		2000 A		
Autoin 14 30	. Ditching									
Band District										
ADDITION OF	APRIL 1	1417	the a stranger transfer in the stranger of the	-	77.41	1.00	687.73			
42942916	10000	1000	PARAMETERS FOR A PROPERTY	100	13.59	1.00	201-13	\$140.74		
4050010	12063	1015	DORP TRUCK-PLATERD		47.24	3.00		47402.04		
6/26/2016	12000	1042	DEPENDENCE I		24.24	3.00	84.2 72	parent res		
4262916	72063	1809	PERKINS ROUER L.		20.04	2.00	20.5,12	and the second		
4/26/2010	72963	10.96	DOMP TROCK-SPIE MACK		99.01	1.00	1000	94141.00		
4(26/2010	7,206.8	2507	OKANOER BROCE		28.87		362.43			
4/26/2016	73963	0817	PICKLIP		14.49	3.00		344.07		
6263816	72963	2515	STORERS SERA		28.22	3.00	200.06	A		
4262916	72963	9882	DUMP DRUCK-FLAT BED		49.73	3.09		3049.73		
Road Ed - 0022	49-1 OWL	SHOLL	OW ROAD							
Activity 14 350	0 Ditching									
Road District	1-1						001100100			
5/3/2016	72068	1517	WASHINGTON ROBERT E	3	27.41	10.00	3274.10			
5/3/3016	72968	1005	PICICUP-2007 PORD	1. C	39.44	10.99		\$194.40		
5/2/2016	72968	2521	HELL AMOS	3	28.85	10.00	\$200.50			
5/2/2016	72968	1053	ENCAYATOR-WHEELED	1.0	142.50	10.00		\$1,425.00		
5/2/2014	72968	1468	DUFFON CLAUDE C	3	18.55	10.00	\$181.60			
5/2/2016	72968	1029	DUMP TRUCK	1	52,74	10.09		\$127,40		
5/2/2016	72968	2515	STOWERS SHEA	3	29.22	10.90	\$292.29			
5/2/2016	72068	1034	TRUCK-FLATINED CREW	1 C C	29.71	10.08		\$297.10		
5/4/2016	72970	1517	WASHINGTON ROBERT E.	3	27.41	10.08	\$234.10			
5/4/3016	73976	1005	PICKUP-2007 FORD	1.5	15.44	10.00		\$194,40		
5/4/2016	72070	2521	HELL AMOS	3	20.05	10.00	\$210.50			
5/4/2016	73970	1053	ENCAVATOR-WHEELED	1	142.56	10.09		\$1,425.00		
\$4(0016	72070	1468	DUTTON CLAUDE C	3	18.16	10.00	5181.60			
546/2014	73070	1029	DUMP TRUCK	1	52.74	10.00		\$527.40		
54/2016	72070	2515	STOWERS SHEA	2	20.22	10.09	\$262.20			
5/4/2016	73970	1031	TRUCK-FLATINED CREW	1	29.71	10.00		\$297.10		
\$75/2016	22071	1517	WASHINGTON ROBERT E	3	27.41	5.00	\$137.05			
5/5/2016	73971	1005	PICKUP-2007 FORD		19.44	5.00		\$97.20		
\$/5/2016	72071	2520	HELL AMOS	3	20.05	10.00	\$208.50			
\$15,0014	23671	1013	ENCAVATOR-WRETELED	1	342.58	19.00		\$1,425.00		
\$15/2014	12071	1058	DUTTON CLAUDE C		18.16	10.00	\$181.60			
595/3016	71971	1008	DOMP THUS N	- E	RX On	19.00		\$899.60		
5007014	120011	1616	STOWNER SHEA		26.22	10.00	8282.20			
6.01799.14		10010	TRUCK-ALATRED CREW		39.75	10.00	Acres 10	\$297.10		
1000000	22624	2520	HELL AND COLORING		20.05	5.06	5100.25			
1000000	10000	1001	ENCAVATOR ADDRESS	2.1	1.021.000	1.00	3100.25	8212.50		
5.00000	100000	1000	in here and the second second	- 20 -	18.14	5.00	000.00	10110.00		
3/9/2916	12018	1008	OVER STREET	- 23	18,16	5.00	100.00	State or		
5/9(2916	7,1874	3934	TRUCK-FLATBED CREW	2.0	49,73	3.00	F100 10	8148.33		
3/9/1016	12004	2515	STOWERS SHEA		100.22	3,09	9100.00			
5962916	72974	0083	RROP		19,44	3.00	product and	391.20		
3/10/2006	12075	2528	HELL AND D	2.2	20.00	10,00	\$200.50			
510(2006	72973	9953	EXCAVATOR-WHEELED		142.50	10.00		\$1,415.00		

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date	0.014	м	Description	illarie 1d	Rate	C'udes	Emp Cost	Equ Cost	Mat Cost	Con Cos
Project Id - 38-002 Road Id - 0020	HROW M	AINTEN 8 HOLI	ANCE-DRAINAGE, DITCHUSE ANW BOAD	HOULDER	101010					
Activity 14 35	0 Ditching	1000								
Road District	1-1									
5/10/2016	72075	1468	DUTTON CLAUDE C	3	18.16	10.00	\$181.60			
\$160916	22025	1029	DUMP TRUCK	1	12.74	16.00		\$827.40		
5102916	72075	2515	STOWERS SHEA	3	30.22	18.00	\$343.30			
5/10/2016	73975	0817	PICKUP	1.1	14.69	18.00		\$546.90		
5110016	22826	2101	HELF AMOS	3	20.05	18.00	\$306.50			
5712016	73076	1053	EXCAVATOR-WHEELED	1	142.50	10.00		\$1,425.00		
5110916	72976	1468	DUTTON CLAUDE C	3	18.16	18.00	\$181.60	1923133		
5110916	72076	1029	DUMP TRUCK	1.1	52.74	16.00		\$527.40		
5110316	72976	2107	ORANGER BRUCE		26.87	10.00	\$398.70			
5/11/2016	72076	1031	TRUCK-FLATBED CHEW	1.	29.71	18.00		\$297.00		
Hoad Id - 0025	HA-: PER	LY WOR	IKS ROAD	- 26	10.00	1.1		1.11.11.11.1		
Activity 14 35	0 Distaine									
Road Teatrics	-1									
8/9/2016	32150	1468	INTTON CLAUDE C	3	18.16	2.55	\$45.40			
8/9/2016	22118	NUR	DRIMP TRUCK	1.1	32.28	2.50		\$393.30		
8/9/2016	22150	201	HELLAND'S		20.05	2.50	\$50.13			
6/9/2016	231.48	1855	FREAVATOR-WHEFTED	1	148.69	2.98	40.0140	\$371.73		
Read Id . 0022	26. 191.0	PIMS IN	ESTROAD	- 2 .6	1000			100 C		
Activity 14, 35	b. Ditchier		and more the							
Road District										
4/20/2016	TIME	1417	WASHINGTON ROBERT F.		77.41	8.60	8710 74			
470/3014	23058	0000	DUMP TRUE Y - FLATIND	123	53.58	8.00		\$478.64		
4202010	23048	1041	BACKING		47.54	8.00		NUME TO		
Band Id - 0015	CL: PLET	KANTA	ALLEY ROAD					A174-16		
Activity 14, 350	A Rinching		ALLET HUME							
Read District	e second									
sound telephone	ATTAKE.	2421	HET ANOT	400	70.04	3.00	\$100.24			
8/22/2016	-91040	1000	END A MATTING - MARKED CITY	- 20	148.60	5.00	4199.43	\$201.45		
8/22/2010	72141	1800	PERCENT ROOMEN		78.24	3.00	10106-00	distant.		
0.001/0.001/0	01643	1000	DUMP TRUCK	12	44.54	4.00	2100.00	8731 73		
60010016	72161	2473	STARS MARIN STITE		16.19	1.00	480.04	2007-12		
8/21/2014	21141	1001	TREASE AND ADDRESS CREW	- 23	22.02	1.00		\$159.68		
82222916	72100	2456	CAPITION LEVAN		18.54	1.00	883 75	4110.00		
and a state of the	10100	2000	LOCI ILLOND LL TARE	1.1	20.04	1.64	\$100.75			
623/2010	101956	2721	FOR A MARKING TRADED BY		148.00	3.00	3100-27	4761.45		
802.02010	22242	1444	DALANDA DALAMERICAN	- 22	188.00	3.00	400.40	4140.49		
8232310	10100	2408	DUT PUN CLAUDE C		46.05	1.00	200.80	#1111 TH		
00000000	10100	24.24	CAPTURE INCOME		10.00	1.00	440.06	4675.12		
8/2/02/02/02	21143	1001	THE KY AN ATTRET CREW		12.00	4.00	100 K. 110	41103.00		
22,03910	20100	2425	CEARS MARY STREET		16.10	1.00	100.04	ST3426		
8252916	74194	2222	SEARS MANQUETTE		10.17	1.00	400.15			
0.24/2010	21124	1045	THEL AMOUNT IN A STATE OF	- 52	110.00	3.00	200.11	4 and 100		
8/24/2016	7/1103	100.0	EALAYARDA-WHEELED		18.00	1.00	844.05	Personal I		
8040016	22390	11000	DUTTON CLADE C		18.10	1.00	204.46	with of		
8/24/2916	71063	9929	DOMP THUCK		40.00	3.00		2114000		
8/24/2016	32965	2587	GRANGER INOTCH		28.87	3.00	102.01			
8/24/2016	731063	1001	TRUCK-PLATHED CROW		27.92	3.00		387.70		
8/24/2916	32163	2536	CARROLL MARCUS	,	17.62	3.00	332.86			
Hand Id - 0012	The PON	O KINOSA	ROAD							
Activity 1d 35	o Disching									
Road District		10000		2.11	Contractory.	1100	and the second			
\$3/2016	12069	2517	MESSER NICHOLAS A	3	18.00	4.00	3:17:00			
\$3/2016	73969	1040	IOACIEROE.		67.34	4.05		\$289.36		
5/3/2016	72969	1000	TRAILER-UTILITY		11.58	8.00		346.32		
5/3/3016	72969	1001	DUMP TRUCK-PLATHED		54.54	4.00		\$217,96 .		
5/3/2916	12069	2512	SHEELER DAVID	3 C	16.56	4.00	306.24			
PA	AGE 28 OF	98				E	TOWAH COUN	TY - DOCUME	NT SET 4-2	

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Bute	DJM	. M	Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Cos Cost
Project lid - 28-002 Road I.d - 0022	HROW MU	UNTER-	INCE-DRAINAGE,DITCH,SID	OULINER						
Activity Id. 38	6 Ditching									
Road District	1-4									
5/3/2016	72069	1000	DUMP TRUCK-2009	1.5	51.54	4.00		\$206.16		
5/3/2016	73869	0679	KELLEY DONALD R		29.80	4.00	\$119.20			
3/3/2016	72068	0983	PICKUP	1	15.75	4.00		\$63.00		
Road 1d - 0022	754 POPI	BOAD	10							
Activity M .35	a Disching									
Read District	-1									
\$9/2016	721580	0027	BRYANT JERRY A		29.55	5.00	\$147.75			
8/9/2016	72150	09907	DEMP TRUCK-FLATBED	1	47.19	5.00		\$215.95		
8/9/2005	72150	1042	BACKHOF	1	61.73	5.00		\$308.65		
8/9/2016	721.58	1809	PERKINS ROCER L	5	21,34	5.00	\$106.20			
8/9/2004	77198	10%6	DEMP TRUCK-2015 MACK	1	78.95	5.00	1.11.11.11	\$394.75		
\$/9/201A	22148	1136	CETTHERY THOMAS		20.68	5.00	\$103.40			
8/9/2005	72155	0517	PCKUP		13.88	5.00		\$69.40		
8/9/2016	22138	2428	CATTUNGLEVAR		10.54	5.00	\$927.70			
Read Id - 0022	St. PILI	TIGHT	ROAD				2.2.1			
Autoine M. M.	a. Distainer									
Road Bistolic										
4183/2014	23043	1000	ARE ANALYSIS		-20.05	5.00	100025			
0162016	72080	1043	EXCAVATOR ADDRESS		147.50	5.00	Access of	\$212.55		
1110/0018	12083	100.0	Chickense Chick		34.70	6.00	4101.10	accesse.		
1110/2010	12080	1000	STOWING STER		40.04	6.00	4000.00	shel hi		
3/19/2019	12083	1027	COMPTRICK COMPT		10.04	8.00	B007 788	4400.19		
2/19/2018	72080	20.08	CALIFICATION CEVAR		18,24	2,00	894.79			
3/19/2016	72083	1003	TROCK-FLATBLD CHEW		29.71	3.00	****	\$148.35		
9/15/2016	72180	0027	DRYANT JUDRY A		29.30	3.00	500.65	an air let		
9/15/2016	72100	0997	DUMP TRUCK-FLATHED		47.29	3.00	201.00	2041.37		
9/15/2016	72180	1408	DUTION CLAUDE C		18.10	3.00	\$54.48			
9/15/2014	72183	1629	DEMP TRUCK		46.33	1.00	10000	\$139.05		
9/15/2016	72100	2428	CATTLING LEVAR	9	18.54	3.00	310.62			
915/2016	72183	0917	PICKUP		13.88	3.00		541.64		
915/2016	72180	1042	BACKHOE		64.73	3.80		\$181.19		
Road Id - 0023	108-1 RAN	DALL N	OAD							
Activity 3d 28	# Dishing									
Road District	1.4						201323			
5/9/2016	72974	1225	POSEY JAMES D	3	21.72	2.59	\$58.05			
5/9/2016	72034	1040	BACKIROE	B. (67,34	2.59		\$148.35		
5/9/2016	72634	1000	TRAILER-UTILITY	1	11.58	2.50		\$28.95		
59(2016	72074	1001	DUMP TRUCK-FLATBED	- E.S.	54.34	2.50		\$135.85		
5/9/2016	72074	0679	KELLEY DONALD R	3	29.80	2.95	\$74.50			
5/9/2016	72074	1020	DUMP TRUCK-2003	- C	51.54	2.50		\$128.85		
Road 1d - 0023	174 RED	HELL CI	HURCH BOAD							
Activity Id. 35	8 Ditching									
Road District	1.3									
5/2/2016	72968	2517	MESSER NICHOLAS A	3	18.00	5.00	\$90.00			
5/2/2016	72068	1040	BACKHOE	1	67.34	5.00		\$396.70		
5/2/2016	72068	1000	TRAILER-UTILITY	1.0	11.58	5.00		\$\$7.90		
5/2/2018	72068	1001	DUMP TRUCK-FLATRED	8	54.34	5.00		\$371.70		
5/2/2016	73968	2512	SHEELER DAVID	3	15.55	3.00	\$82.80			
5/2/2016	72048	1020	DUMP TRUCK-2003	10	33.54	5.00		\$357.70		
52/2016	72968	0679	KELLEY DONALD R	3	29.80	1.00	\$149.00			
5/2/2016	73648	0983	PICKUP	1.0	15.25	1.00		\$78.75		
Boad Id - 0010	US- HICK	LES BY	MD		- , 46.474					
Activity 54 54	6 Distance	and and								
Read District	1.1									
450010	TIME	1212	NORTON STEVE A		73.64	4.00	354.54			
440000	22647	LOSD.	FREAMATOR - WHEEL DO	2.8	147.95	4.00	110.00	\$119.00		
		and a second	Contraction of a contraction of the second second	1.1						
P/	4GE 29 OF	98				E	I OWAH COUN	IY - DOCUME	NI SET 4-2	

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Report Date: 05/15/2017 Report M: Rppeu012.rpt

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	DIM	- M	Description	Rate M	Rate	Units	Keep Cost	Equ Cost	Mat Cost	Cos Cos
Project Id - 28-002 Houd Id - 0023	HROW MU	UNTEN/	INCE-DRAIN AGE, DITCH, SHO IAD	RIDER						
Activity 14 35	Ditching	20033	1212							
Road District	-3									
4/5/2016	72947	1144	HEARD DRIC W	3	24.12	4.00	\$96.48			
8/5/2016	72043	1000	DUMP TRUCK	1.5	88.96	4.00		\$355.84		
4/5/2018	72947	1581	SALERS WILLIAM R		21.37	4.00	\$85.48			
4/5/2014	72047	1008	DUMP TRUCK-2013 MACK	1.1	117.09	8.00	100000	\$468.36		
4/5/3016	22047	1101	SALERS WILLIAM R	3	21.37	4.00	\$85.48			
#5/2016	72047	1008	DEMP TRUCK-2013 MACK	1	117.09	4.00		\$468.36		
8/9/2016	72150	1488	DUTTON CLAUDE C		18.16	2.50	\$45.40			
8/9/2016	72150	1008	DUMP TRUCK	1	77.28	2.50		\$193.20		
8/9/2016	22150	2121	HELL AMOS	5	20.05	2.50	\$50.13			
859/2016	72130	1053	ENCAVATOR-WHELED	1.5	148.69	2.50		\$371.73		
8/16/2016	221.51	2421	HELL AMOS	3	20.05	3.00	\$100.25			
8/10/2016	72140	1053	EXCAVATOR-WHEELED		148.69	5.00		\$243.45		
\$/16/2016	72151	1468	DUTTON CLAUDE C		18.16	5.00	290.80			
8/10/2016	22155	1008	DUMP TRUCK		77.28	1.00		\$386.40		
\$102516	221.01	2101	GIPSON ADAM		19.37	5.00	\$96.85			
810/016	73145	0981	PACKLIP	1.22	18.31	5.00	20220	\$91.15		
\$100016	37151	2425	SEARS MARCHIPTTE		16.19	1.00	\$80.95	10000000		
Band Id . 0023	AL RIVE	RCLE	FDRIVE	- C-1		1.000				
Activity 14, 35	Bit-bler		- Della Chi							
Read District										
672/2016	21052	2421	HELE AMON	5	20.05	3.00	\$50.15			
4/12/2016	23083	1053	ENCAVATOR-WHELED	1.1	142.50	3.00		\$427.58		
4/17/2016	110451	1468	DUTTORICIALIDEC		18.16	1.00	\$54.45			
403030316	95043	1075	IN MARTINE CONTRACTOR	1	17.74	3.00		\$158.22		
4/12/2016	72047	1130	CUTTORY THOMAS		33.48	1.08	582.04	Provine -		
4/13/3014	23643	1000	TRUCK - IT ATTRED-CREW	1.5	29.71	3.00	202.71	589.13		
4222016	11000	1110	SACATINA CHARLES F.		10.64	1.00	121.61			
0120910	-	10000	Decision of the second se	100	12.44	1.00	467.94	116.44		
Band Ld . 0022	Sh. DIVE	REN	BOAD	2.1	10,000	1.04		4110.04		
Autom 14 at	a minution	an ann ca								
Read Distant	. seesang									
Proper Deserver	There a	24.11	LOT 1 ASACO		33.55	1.06	\$40.15			
0180310	22082	1445	ENCLASSING ARREST		142.50	3.00	100.13	\$412.40		
51802010	Tables.	240.0	CaleGor Library	- 13 -	49.37	1.00	458.11	aner se		
218/2010	12982	2707	VILLAN DATE OF A TOTAL		74.64	1.00	4.00.11	610.07		
5/18(2010)	12042	1444	THUCK-FILK OF FLAT LADA		18.16	1.00	111.00	400.04		
512822010	12082	1100	DUTER DURING CLARKING C.	1.1	88.00	1.00	104.44	C144.00		
516(216)	10060	2424	CAPER BOOLS	10	18.54	3.00	\$15.61	2100.00		
5/18(2010	Trinks	2225	CALIFORNI LETAL		10.05	3.00	400.00			
Houd 10 - 0022	CO-C HOUR	CHISD	RIVE.							
Activity to 35	o Discharg									
Road Diatrict	1. Ale 1.				-		8943.044			
4123916	10001	2521	HELL AMON		20100		200.00	F1111.000		
01212010	73052	140.0	EXCAVATOR-WIDELED		10.00	1.00	400.44	2010/09		
412(2016	12052	1468	DOTION CLADDER.		10.00	6.00	212.84	distant.		
41212006	70952	1029	DUMP TRUCK	1	22.74	6.00	449.99	\$210.00		
612(2016	72002	1130	GUTHERT THOMAS		20.68	4,00	342.72	******		
412/2006	73951	8931	THUCK-FLATBED CREW	A	290.11	8,00		2110.54		
412/2006	12052	11.00	MOGATHA CHARLES K.		23.65	2.00	347.30	1000		
412/2006	73953	0981	PREUP	1	19,44	2.09		204.88		
Read Id - 0023	BE- ROC	KY FOR	ID ROAD							
Activity Id 35	0 Ditching									
Boad District	14									
9(15)2006	72183	0037	BRYANT JERRY A	8.1	29,55	3.00	\$88.65	-		
9/15/2006	721883	0092	DUMP TRUCK-PLATHED	1	47.19	3,00		\$141.57		
915/2006	12183	1068	DUTTON CLAUDE C	30	18.16	3,00	354.48			
	00 20 00	00					TOWALL COLINITY			

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ETOWAH COUNTY - DOCUMENT SET 4-2

Dute	DIM	M	Description	Rate M	Bate	Units	Emp Cost	Equ Cest	Mat Cast Con Co
Project Id -28-002 Road Id - 0022	180W M	AINTEN/	ANCE-DRAINAGE,DITCH,SI ID ROAD	IOULDER	14.00		- 2012/2012		
Artivity 14 35	0 Dirthing								
Read District	1.2								
\$/15/2006	72183	1829	DUMP TRUCK	1	46.35	3.05		\$139.05	
\$/15/2004	72183	2528	CATTUNG LEVAR	3	18.54	3.00	\$35.62		
9/15/2006	72183	0817	PICKUP	L.	13.88	3.00		\$41.64	
9/15/2006	72183	3942	BACKHOE	1	61.73	3.00		\$185.19	
Read 1d - 0923	996-: ROD	GERS IN	OAD						
Activity Id. 35	0 Ditching								
Boud District	1-1								
4/20/2016	72099	2517	MESSER NICHOLAS A	- 2	18.00	3.89	\$54.00		
4/20/2016	73059	5940	BACKHOE	1	67.34	3.00		\$292.02	
4/20/2016	72659	1900	TRAILER-UTELITY	1	11.58	3.05		\$34.74	
4/20/2016	72059	1001	DUMP TRUCK-PLATBED	1	54,34	3.00		\$163.02	
4/30/2006	72039	2512	SHEELER DAVID	3	16.55	3.00	\$49.68		
4/20/2016	72099	2011	DUMP TRUCK	1	33.96	3.00		\$266.88	
4/20/2016	72039	-0679	KELLEY DONALD R	1	29.80	3.00	\$89.40		
4/20/2016	72659	0983	PICEUP	1	15.75	3,00		\$47.25	
Read 54 - 9023	94: BOL	LING III	ILS ROAD						
Activity Id. 359	0 Ditching								
Read District	1-2								
4/14/2016	72054	1517	WASHINGTON ROBERT E	3	27,45	5.00	\$137.05		
4/14/2016	72054	1005	PICKUP-2007 FORD	1	19,44	1.00		\$97.26	
4/14/2016	72054	2521	HELL AMOS	3	20.85	5.00	\$100.25		
4/14/2016	73854	1053	ENCAVATOR-WHEELED	1	142.50	5.00		\$712.50	
4/14/2016	72054	9468	DUTTON CLAUDE C	3	18.16	5.00	\$90.80		
4/14/2016	72854	1029	DUMP TRUCK	1	52.74	5.00		\$263.70	
414/2014	22054	1530	OUTHERY THOMAS		20.68	5.00	\$105.40		
414/2016	72954	1034	TRUCK-PLATBED CREW	1	29,71	3.00		\$148.55	
4182016	72057	2525	HILL AMOS	3	20.05	8.00	\$160.40		
438/2016	72857	1053	ENCAYATOR-WHEELED	1	142.50	8.00		\$1,140.00	
418/2016	72097	1468	DUTTON CLAUDE C		18,16	6.00	\$108,96	2000	
418/2016	73657	1029	DUMP TRUCK		. 52.74	6.00	1000	\$336.44	
4/18/2016	32057	2507	GRANGER BRUCE	3	20.87	6.00	\$125,22	1222	
418/2016	72857	1031	TRUCK-FLATBED CREW	1	29,71	6.00		\$178.26	
419(2014	72058	2521	HEL AMOS	3	20.05	10,00	2580.20	1	
4/19/2016	73858	1053	ENCAVATOR-WHITLID	1	142.50	10.00	2.2.120.2	\$1,425.00	
419(2014	72058	1468	DUTTON CLAUDE C		18.16	10.00	\$181.40		
4192016	72858	1029	DUMP TRUCK.	1	53.74	10.00		\$527.40	
4192014	72058	1809	PERCENS ROGER L		21.29	10.09	\$212.40	and the second	
419(2016	72908	1001	TRUCK-PLATERD CREW		29.11	10,00		3297.10	
Hand 1d - 0024	DAS HOUSE	LAN RO	AD .						
Activity 1d and	0 Distance								
Road District			IN A DESCRIPTION OF THE PARTY OF		45.44	1. 144	8117.04		
414/2016	72034	1397	WASHINGTON ROBERT E		10.44	5.00	\$110.00	4001-000	
414/2016	10004	0000	PREASE-2007 PORD		20.44	2.09	8100.24	307.201	
414,0014	12034	1041	PHILE PANELS		20.00	5.00	\$100.25	1012 60	
414/2010	72804	1000	EALANATON OF MIRELED	-	18.16	5.00	100.00	4114.00	
414(2010	12004	1400	DOTTON CLADDE C		45.24	4.00	\$190.00	8343.30	
4747014	72024	1000	COUNT INCOME.		100.04	5.00	\$100 at	2150.70	
414/2010	73074	1011	TRUET, II ATRADUCT		100,000	5.04		8148.00	
414(J010	TANDO	DOM: NO.	TRUCK-FLATIBLUCKEW		20.01	2,09		3046.20	
Hand Dia - 0024	Dis same	a valuu	C1 80240						
Activity 14 JS	o containe								
NOAR DISCOULD	70100		TRUTTON OF ALL PROPERTY		10.14		242.42		
8/9/2016 8/9/2016	21150	1000	COLUMN TRAVEL		22.24	2.50	243.49	\$101.30	
8000010	12100	3434	HELL AND ST		24.65	9.40	100.11	4000.000	
1.1.2010	141.79	1241	Inter Period			100			
P	AGE 31 OF	98				E	TOWAH COUN	ITY - DOCUME	ENT SET 4-2

	12012	1.55		022008	0.365	0.5-99	1000000	2012000	1221220	020051
Date	DIM	H	Description	Rate M	Rate	Units	Emp Cost	Eqs Cost	Mat Cest	Cas Cost
Project Id - 28-003 Boad Id - 0034	HROW M/	VALUE VALUE	ANCE-BRADAGE,DITCR,SIB EY ROAD	OULDUR						
Activity Id. 38	• Disching									
Road District	- -									
8/9/2016	72150	1053	ENCAVATOR-WHEELED	1.1	148.69	2.50		\$371.73		
8/11/2016	72153	2521	HILL AMOS	3	20.65	5.00	\$100.25			
8/11/2016	22152	1657	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.43		
8/11/2016	72153	1465	DUTTEN CLAUDE C		18.16	5.00	\$90.80			
8/11/2016	72152	1808	DUMP TRUCK.	1	77,28	5.00		\$386.40		
8/11/2016	72152	1530	GUTHERY THOMAS		20.68	5.00	\$103.40			
8/11/2016	72152	0981	PICKUP	1	18.34	5.00		\$91.55		
\$/11/2016	72132	2523	SEARS MARQUETTE	1	12.10	5.00	\$60.50			
Road Id - 0034	HE-: SATT	ERITIO	LD LANE							
Activity M 350	Ditching.									
Read District	-1									
5/17/2016	72081	2521	HILL AMOS	3	20.05	3.00	\$60.15			
\$/17/2016	72081	1853	EXCAVATOR-WHEELED	L	142.50	3.00		\$427.50		
5/17/2016	72080	1468	BUTTON CLAUDE C	1	18.16	3.00	\$34.48			
5/17/2016	72081	1008	DUMP TRUCK.	1	88.95	3.00		\$266.88		
5/17/2016	72081	2565	GIPSON ADAM	1	12.45	1.00	\$12,45			
5/37/2006	72001	3835	TRUCK-FLATBED CREW	100	29.71	1.00		\$29.21		
5/17/2004	72081	2523	SEARS MARQUETTE		16.19	1.00	\$16.19			
Read 14 - 0924	SL: SCEN	ac mo	IIWAY							
Activity Id. 350	Disching									
Read District	-2									
4/14/2016	72054	1219	FRONT RANDALL C	3	29.89	4.00	\$119.56			
4/14/2015	72054	1054	PICKUP-2012 FORD F158	1	19.74	4.00		\$78.96		
4/14/2014	72054	0027	BEYANT JERRY A		29.15	4.00	\$118.20			
4164/2014	21054	0997	DUMP TRUCKILATIND	1	51.58	4.00		\$214.33		
4/18/2016	72054	2507	ORANGER BRUEF		20.87	4.00	\$85.48			
4/14/2016	71054	6817	PRINTIP	1	14.69	4.00		\$18.26		
4/18/2004	73054	1643	BACKHOE		67.34	4.00		\$260.36		
Read 5d - 0024	54+ SCIII	OL RO	AD	5.0		1.1.1.1.1.1				
Activity Id. 350	Disching		27533							
Road District	-4									
6/01/2005	72100	1582	SALERS WELLIAM R		21.37	10.00	\$213.70			
6/21/2016	71300	1010	MOTOR CRADER, 2015/CAT	1.1	131.67	10.00		\$1,316.20		
6/71/2004	72100	1217	SOPTION STUVE A		23.64	00.00	\$216.00			
6/71/2004	721000	1055	INTEGRATED TOOK.	1	90.96	10.00		9909.60		
6/31/2014	77109	1,015	NAT JAMES		22.16	10.00	\$221.40			
6/31/3014	711059	1010	DUMP TRUCK DUS MACK	1	117.09	33.00		\$1,170-90		
6/21/2004	72109	1144	REARD FRIC W		24.12	10.00	\$241.20			
6/31/2016	71000	1011	DUMP TRUCK		88.96	10.00		5889-60		
4/11/2016	72100	1574	KIND BY MARD A		27.18	10.00	\$273.80			
6/31/2004	931050	1044	INCKUP-2012 FORD F158	1	19.74	10.00	4612049	\$197.40		
Read 14 . 0024	AL SHAD	IN GRO	VEROAD	5 - F		10002				
Activity 14, 350	Disching									
Read District										
3/76/2016	77140	1210	INVESTIGATION D		24.22	3.00	661.66			
2/28/2014	711.00	1000	TWARDER ATTRACT		12.47	3.00		\$37.41		
3/18/2004	711.40	1000	IN METRICK, IL ATHEN		#2.63	1.00		\$143.79		
3/38/2010	72140	3633	ALLEN NEDAN		14.14	3.00	544 43	1000		
2/18/2014	221.00	1041	BACKBOY		41.49	1.00	10000	Stat 10		
3/38/2010	75145	3613	STREET FOR TAXABLE		10.00	3.00	840.48	1000.00		
1000000	101100	2012	IN OAD TRANS		33.54	1.00	245.00	6217.64		
1000.0000	73145	2010	A REAL TRANSPORT		19.45	3,000	017.04	4-11-04		
7/28/2010	72140	4585	MARKS INCOME CALLS		11.04	1.00	812.95			
7/28/2016	72.040	0813	NEW YORK OF ALL DR.		20.00	3.90	800.00	324.41		
1000000	12140	06.74	MALLEY CONVERSE.		11.00	3,000	360.42	1000 000		
1126/2014	17346	1040	PR.B.MP		+4,93	3.00		344.14		

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Date	DJM		Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cost Cost C
Project Id +28-00 Road Id + 002	LIBOW M. IST-1 SHEE	AINTEN LLEY L	ANCE-BRAINAGE,DITCH,SH ANE	OULDER					
Activity 1d -35	8 Disking								
Road District	1-4								
9/6/2016	72175	1217	NORTON STEVE A		23,64	5.00	\$118.20		
96/2016	72175	1052	EXCAVATOR-WHEELED	1 C	148.00	5.00		\$743.43	
965/2016	72175	1146	HEARD ERIC W	3	24.12	5.00	\$120.60		
9/6/2006	72175	1010	DUMP TRUCK	1	77,28	5.00		\$186.40	
9/6/2006	72175	1254	LUMPKIN MARK S	3	20,74	5.00	\$385,70		
9/5/2016	72175	1018	DUMP TRUCK-2H3 MACK	1	103.66	5.00		\$515.30	
9/6/2016	72175	1524	KUHN RICHARD A		27.38	5.00	\$136.90		
9%2005	72175	1055	PICKUP-2012 FORD F150	1. C	18,99	5.00		\$92.93	
Road Id - 6925	03-: SIM	MONS L	ANE						
Activity 10 35	0 Ditching								
Read District	1-3								
8/15/2016	72155	2524	HELL AMOS	- 3	20.05	2.50	\$50.13		
8/15/2016	72155	1853	ENCAVATOR-WHEELED	1	148.69	2.56		\$371.73	
1/15/2016	72155	1468	DUITTON CLAUDE C	1	18.16	2.59	\$45,40		
8/15/2016	72155	1008	DUMP TRUCK	1	77.28	1.50		\$199.20	
8/15/2016	92155	2523	SEARS MARQUETTE	3	16.19	2.50	\$40.48		
8/15/2016	72155	1831	TRUCK-FLATBED CREW	1	27,92	2.50		\$49.80	
8/15/2016	72155	2518	CATTLING LEVAIL	3	18.34	2.50	\$46.55		
Read 1d - 0025	TI- STAT	FON RO	AD						
Activity M 35	0 Distanting								
Rand Disprict	-3								
4/38/2016	72057	2517	MESSER NICHOLAS A	3	18.00	3.00	\$34.00		
4/88/2016	72057	1840	BACKHOE	· · ·	67,34	3.00		\$203.02	
4/18/2016	72057	1000	TRAILER-UTILITY	1	11.58	3.00		\$34.24	
4/18/2016	33657	1004	DUMP TRUCK-FLATBED	1	54.34	3.00		\$163.62	
4/18/2016	72097	2512	SHEELER DAVID	3	16.56	3.00	\$49.68		
4/18/2016	72657	HOP	DOMP TRUCK-2003	1	51.54	3.00		\$154.62	
4/18/2006	32057	0679	RELLEY DONALD R	3	29,80	3.00	\$89.40		
4/18/2004	72057	0983	PICKUP	1	15,75	3.00		\$47.25	
Boad 1d - 0025	724 STEP	I. PLAN	IT LAKE ROAD						
Activity 14 35	0 Ditching								
Boad District	t-3								
5/12/2014	72077	2517	MESSER NICHOLAS A	3	18.00	5.00	350.00		
5/82/2016	72977	3040	BACIENCE	1	67.34	5,00		\$336.70	
5/12/2016	72077	3000	TRALER-UTILITY	L	11.58	5.00		\$37.90	
5/82/2004	72977	1006	DUMP TRUCK-FLATBED	1.5	54.34	5.00		\$271.70	
5/82/2006	72077	1225	POSEY JAMES D	1	21,22	5.00	\$106.10		
5/82/2006	73877	3429	DUMP TRUCK-2003	1	51.34	5.00		\$253.70	
Hoad 1d - 0025	73+ STER	LESTA	TION ROAD						
Activity M 35	b Disching								
Road District		1		1.2		244			
8/23/2014	72162	2521	HELL AMOS		20.05	5,00	\$100.25		
#23/2016	72062	1643	EDICAVATOR-WHEELED	1	148.69	3.00	10000	3743.42	
8/23/2016	72162	1-068	DUTTON CLAUDE C		18.16	5.00	399.80		
8/23/2016	72162	1029	DUMP TRUCK	1	46.33	3,00		\$201.23	
\$25/2016	72162	2538	CATTLING LEVAR		18.54	5.00	\$92.70	12.2.2.2	
\$252016	73162	1004	TRUCK-PLATNED CREW	1	27.92	5.00		\$139.60	
8/23/2014	72162	2523	SEARS MARQUETTE		36.19	5.00	380,95		
Hand 3d - 0925	78-: STO?	E DRIV	π.						
Activity 14 35	e Disching								
Read District	0.2								
5/96/2016	72080	2521	HEL AMOS		29.05	4.00	380.20		
5/06/2016	72980	0053	ENCAVATOR-WHEILED	1	142,50	4.00		\$376.60	
5/06/2016	72080	1468	DUTTON CLAUDE C	1 A.	18,15	6.00	\$72.64		
5/16/2016	72980	0008	DUMP TRUCK		88.90	4.00		\$155.84	
P/	AGE 33 OF	98				E	TOWAH COUN	TY - DOCUME	NT SET 4-2

1240507	12125	- 220	1000000000	10000	1.5%	2333	1210223	200000	122207	20222
Date	D114	M.	Description	Rate Id	Rate	Units	Emp Cest	Equ Cost	MatCost	Con Con
Project M - 28-082 Road 5d - 9025	5000 M	NEVTEN	INCE-DRAININGE, DITCH, SB T	OULDER						
Activity 1d 350	5 Ditching									
Road District	14									
5/16/2016	72960	2597	GRANCER BRUCE	3	20.87	4.00	\$83.48			
5/16/2016	72088	8001	TRUCK-FLATHED CREW	100	29.71	4.00		STIRBE		
5/16/2016	73980	2123	SEARS MARQUETTE	3	35.19	4.00	\$64.76			
8/17/2016	72157	0027	BRYANT JURRY &	3	29.55	5.00	\$347,75			
8/17/2916	721.57	0997	DUMP TRUCK-FLATBED	1.1	47.19	3.00		\$235.95		
\$110916	72153	1041	BACKHOE	1.2	64.73	5.00		\$306.65		
8/17/2016	72157	1458	DUTTON CLAUDE C		18.16	5.00	\$90.80			
8130916	721.97	1609	DRMP TRUCK	1.	45.35	5.00	2.42	\$231.75		
8/23/2016	22161	0027	BRYANT JERRY A		29.55	3.00	\$88.65	1000		
\$2222016	72160	0997	DEMP TRUCK-FLATBED	1	47.19	1.00	1.11	\$141.57		
6/23/2016	72185	1047	BACKIEW	1.1	61.71	3.00		\$185.19		
\$20,0016	99643	1104	PATTURSON WILLIAM I		30.77	3.00	607.11			
8/23/2016	22161	0008	DEMP TRIVE - PLATRED		47.10	3.00		\$141.57		
8/23/2016	221043	2447	CRANCER BRIDER		30.87	3.00	647.44	4145.51		
423/2016	22144	1000	DEDAR TRUCK		12.14	3.00	902.91	6711.84		
Barris 64	- 74100 RG - RETRA	100P	DOMP TRUCK		10.44	3.00		3111.04		
Hourd Ed - 0015	are suse	ALC ROLL	LASE							
Activity 14 259	t Discount									
Road District	-2	-	income a serie state of	1.1		1.64	444.47			
4/14/2016	72054	1259	PROST EANDALL C		29.89	3.00	2814.47			
4/14/2016	72054	1054	PICKUP-2012 FORD F150		29.74	3.00		499.51		
4/14/2016	72054	0027	BRYANT JERRY A	3	29.55	3.00	SARAS			
4/14/2016	72034	0997	DUMP TRUCK-FLATBED		33.58	3.00	122	\$160.74		
4/14/2016	72054	1809	PERKINS ROCER L	3	21.24	3.00	\$63.72	80 A A A		
4/14/2016	72054	1096	DUMP TRUCK-2015 MACK		99.61	3.00		\$271.83		
4/14/2016	72054	2907	ORANGER BRUCE		20.8T	3.00	\$62.44			
4/14/2016	72034	0817	PICKUP	- E.S.	14.69	3.00		\$44.07		
4/14/2016	72054	1040	BACKHOU	1.5	67.34	3.00		\$202.42		
Road 1d - 0036	66c TAB	OR BOA	D							
Activity Id -350	Ditching									
Road District	-2									
6/16/2016	72105	2521	HELL AMOS		20.05	18.00	\$200.50			
6/36/2016	72105	1053	EXCAVATOR-WHEELED	8	142.50	10.00		\$1,425.00		
6/16/2016	72108	1110	MCGATHA CHARLES K	3	23.65	16:00	\$236.90			
6/16/2016	22165	1011	TROCK-FLATHED CREW	8	29.71	14:00		\$297.10		
6/20/2016	72108	2321	HILL AMOS	3	30.05	16:00	\$200.55			
6/39/2016	72108	1053	EXCAVATOR-WHEELED	1.	142.50	10.00		\$1,425.00		
Road 1d + 0035	12-: TAR	PLEYIN	R.H.							
Activity 3d 344	Dishing	2								
Read District	-1									
4/20/2016	72059	2424	HELL AMOS	3	20.05	3.00	\$100.25			
4/20/2016	72099	1055	EXCAVATOR-WHELED	1.1	142.50	1.00		\$712.50		
4/20/2016	73048	1448	DETTION CLAUDE C		18.16	5.00	\$540.80			
4/10/1646	10000	1000	DEMP TRUES	100	12.24	1.00		\$241.29		
4/20/2014	93548	1000	PERVINS ROVER		16.74	5.00	4104.10	44043.119		
00000010	12037	1000	TRACTOR IN AGENT, CREWE		20.21	5.00	2100.20	41.44.15		
4/20/2010	10009	7424	TRUCK-FLATBED CREW		29.71	4.00	100.00	\$1188.21		
4011/2016	12000	1000	FELL AND.		10.00	4.00	240.20	P.0.700.000		
4/21/2019	72060	1053	EXCAVATOR-WHEELED		142.50	4.00	100.00	2010/00		
405/084	72068	1408	DOTTON CLADBEC		18.10	4.00	372.64	Phile Phil		
403/2016	12060	1829	DOMP TRUCK		32.74	4.00	1000	3216.58		
4/31/2016	72968	1809	PERMINS ROCER L.		31.24	4.00	554.96	1000		
405/2016	72060	1631	TRIACK-PLATBED CREW	- C.	29.71	4.00		\$718.84		
Head Id - 0926	31< THO	SORE BI	END BOAD							
Activity 54 394	Diabing									
Road District	-1						1000			
4/12/2016	72052	2338	HILL AMOS	3	29.95	3.00	\$60.13			
PA	GE 34 OF	98				E	TOWAH COUN	ITY - DOCUME	NT SET 4-2	

Report Date: 05/15/2017 Report Id: Rppro012.rpt

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	DJ M		Description	Rate 1d	Rair	Al mite.	Emp Cast	Equ Cost	Mat Cost	Can Cast
Project 1d - 28-902 Boad 1d - 0826	JINOW M	AINTENA HORE BE	NCE-BRAINAGE,DITCH,SH ND BOAD	OULDER						
Activity 3d 350	Distance		23/21/22/231							
Read District										
4/12/2016	72052	1053	EXCAVATOR-WHEELED		142.50	3.00		\$427.50		
4/13/3034	72043	1458	DETTON CLAUDE C		18.14	1.05	\$34.48			
4/13/3016	75645	1079	DOMESTIC:		\$5.74	3.00	A	\$158.22		
4/12/20004	22042	1110	CETTINETY THEATE		20.48	1.00	1072-04	4104.00		
4113/3014	720072	1000	TRUCK, IS ATRADUCT		20.00	3.00	3455,04	100000		
4/22/2002	Window I.	1000	AND A THAT IS A THAT IS A		29.75	1.00	411.05	\$80.13		
4112/2010	10000	10000	SECONTRA CRANLES &		10.44	1.00	817.00	410.00		
4/12/2009	72622	1240	PR. KOP		22,44	10.00	#1418.000	817,64		
4/13/2019	12050	1239	PROST RANDALL'L		29,89	10.00	\$258.90	\$10.000 AL		
4/13/2008	73603	1014	PR-\$LIP-2012 FORD F199		19,74	00.00		\$192.40		
4/13/2006	72093	2523	HELL AMOS		20.05	00.00	\$100.50	-		
4/15/2016	72053	1622	EXCAVATOR-WHEELED	1	142.50	99.00		\$1,425.08		
4/13/2008	72053	1468	DUTTON CLAUDE C		18.16	10.00	\$113.40			
4/13/2016	72853	1829	DOMP TRUCK		52,74	10.00		\$127.40		
4/15/2006	72645	1530	GUTHERY THOMAS	3	20.68	10.00	\$306.80			
4/13/2016	73853	1431	TRUCK-FLATBED CREW		29.71	10,00		\$297,10		
Road 1d - 9026	38: TON	ICAT BO	ueb .							
Activity M 350	Disching									
Baud District	-2									
5/31/2016	72094	2528	HELLAMOS		20.05	10.00	\$250.50			
5/31/2016	72991	1853	EXCAVATOR-WHEELED	1	142.90	10.00		\$1,425.08		
\$/31/2006	72091	2505	GERSON ADAM	3	19.37	10.00	\$193.70	123.20		
9/11/2004	73091	1629	DUMP TRUCK	1	52.74	10.00	1000	\$527.40		
\$711/2016	72094	2507	CRANCER INFOCE		20.87	10.00	\$268.70			
\$731/2014	73891	1414	TRUCK-FLATINED CREW		29.75	10.00		\$297.10		
5711/2014	71004	6615	GRYANT REPOY A		39.45	10.00	\$195.00	227112		
471 (2014	710907	2475	LINE ADDRESS		20.00	4.00	\$80.70			
612/2010	125002	1013	THE PARTY AND A PARTY OF		107.00	4.00	1946-104	1000.00		
616/20196	Tables -	2012	COLUMN DOLLARS		20.00	4.00	100.00	\$2-79.00		
6/5/2016	725558	2363	ORANGER BROKE		20.80	8,09	387.68	The second		
6/1/2018	72990	1629	DUMP TRUCK		53.74	4.00		ALTER 96		
Read hd - 90.35	50-2 TUN	KET IO	NN BOAD							
Activity 14 dist	Disching									
Road District	+2				1000					
5/17/2016	72081	2511	HELL AMOS	3	20.05	3.09	\$80.15			
5/17/2014	72081	1053	ENCAVATOR-WHEELED	1.1	142.50	3.00		\$427.50		
\$170016	72081	1468	DUTTON CLAUDE C	3	18.16	3.00	\$54.48			
5/17/2016	72081	1008	DUMP TRUCK	1.1	88.96	3.00		\$266.88		
5/93(2016)	73081	2505	GIPSON ADAM	3	19.37	2.00	\$38,74			
5/17(2016	72981	1034	TRUCK-FLATBED CREW	1	29.71	2.00		\$59.42		
5/970816	72001	2523	SEARS MARQUETTE	3	16.19	2.00	\$32.56			
Read 5d - 0036	SI-: TUR	KEY TOT	IN GAP BOAD							
Activity 1d 350	Disching									
Boad District	-1									
4/28/2014	72065	1517	WASHINGTON ROBERT E	3	27.48	10.00	\$274.10			
4282816	73065	1005	PICKUP-2007 FORD		19.44	10.00		\$194.40		
2/28/2014	22064	2521	HOLD ASSOC		70.04	10.00	\$100.50			
A7879332	12064	1045	UNCANATOR MEETED IN		142 45	10.00	adam'nd	\$1.035.00		
allegeboard.	12000	1000	DATA THE CALLED		10.15	10.00	\$101.00	*******		
0.0000000	12000	1100	DUTING CLAUDE C.		10.00	10.00	p101.00	acat at		
4/28/2010	12060	19829	DOMP TROOM	and a second	54.74	00.00		8047/40	*****	
4/28/2016	72965	0401-9	\$10NE-RP 8AP (6-10')	10%	13.09	30.00			F180'00	
4/28/2016	73965	2505	STOWERS SHEA	3	29.32	10,00	\$195.20	100 million (100 million)		
428/2016	72063	1004	TRUCK-FLATISED CREW		29.75	10.00		\$297.10		
5/3/2916	72869	1517	WASSENUTON ROBERT F	3	27.48	6.09	\$164,65			
\$/3/2016	72069	1005	PICKUP-2007 FORD	1	29.44	6.00		\$135.64		
5/3/2016	72069	2521	HELL AMOS		20.05	6.00	\$138.50			
5/3/2016	72069	1053	ERCAVATOR-WHEELED	1	342.90	6.00		\$835.00		

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date	DIN	M	Description	Rate Id	Rate	Units	Emp Cost	Equ Cost	Mat Cast	Can Cost
Project ld -28-002 Road Id - 0026	SI- TUR	AINTEN KEY TO	WCE-BRAINAGE, DITCR.SH	OULDER						
Activity 1d 384	Ditching									
Road District	-2									
5/5/2016	72068	1458	DUTTON CLAUDE C		18.16	6.00	\$158.96			
5/3/2016	72069	1029	DUMP TRUCK	1.1	52.74	6.00		\$306.44		
5/5/2015	72068	1110	MCGATHA CHARLES K	1	23.65	6.00	\$141.90			
5/3/2006	72049	1031	TRUCK-FLATHED CREW	1	29.71	6.00		\$178.36		
5/3/2085	72068	2907	CRANCER BRUCE		20.87	6.00	\$125.22	61. HH		
Road 1d - 0026	TE- VAL	LEYSD	RET		010000	00000				
Activity M .350	Dishing									
Read District	-5									
628/2016	72115	1517	WASHINGTON ROBERT E	3	27.48	10.00	\$774.10			
6/38/2015	22115	1041	BACKHOE	1	67.34	10.00	20151	\$673.40		
6/28/2016	72115	1110	MCGATHA CHARLES K		23.65	10.00	\$236.50	1.000		
6/29/2016	72158	1517	WASHINGTON ROBERT E	3	27.48	10.00	\$274.10			
6/29/2016	72114	1805	PICKLIP-2007 FORD	1	19.44	10.00		\$194.40		
6/29/2016	72166	1110	MCGATHA CHARLES &	1	23.65	10.00	\$236.50			
6/29/2016	72116	1048	BACKNOL	1	67.34	00.00		\$673.40		
6/30/2014	72117	1517	WASHINGTON ROBERT F		27.45	10.00	\$274.10			
6/30/2016	22117	2005	PICKUP-2002 FORD	1	19.44	10.00	- month	\$796.40		
4/30/2005	72117	1118	INCOATHA CHARLES K	1	23.65	10.00	\$735.50			
6/30/2015	72117	1041	BACKNOE	1	67.34	10.00		\$673.40		
6/30/2006	72117	2507	ORANGER BREN'E		20.82	10.05	\$308.70	2004		
6730/2016	72917	1014	DOMP TRUCK-2015 MACK	1	90.63	10.00		1006.10		
Read 1d - 0926	85 ; VAU	CHIN IRO	AD	1.000				0.000		
Activity Id. 350	Disching									
Read District										
4/5/2016	32647	2517	MESSER NICHOLAS A		18.00	6.00	\$72.00			
475/2014	72847	1041	BACKROE		67.34	6.00	******	\$269.36		
4/3/2010	73847	1000	TRANSB. LODENTY		11.58	4.05		645.17		
43/3014	23847	1004	DUMP TRUCK-FLATBUD		54.34	4.00		\$797.36		
A15/2014	72047	2126	BOBO BRIAN		17.60	4.00	\$30.40			
4752516	73847	1070	DUMP TRUCK	1	11.54	4.00		\$206.18		
44/2014	72047	0679	KELLEY DOMALD R	1	29.80	4.00	\$119.20			
415/2014	73947	0081	PERCE		15.25	4.00		\$63.08		
9/22/2004	72290	1212	NORTON STEVE A		23.64	10.00	\$236.40			
4/22/2016	71190	1012	ENCAVATOR-WHEFTED	i.	148.03	18.05		\$1.455.00		
9/22/2014	72240	1144	HEARD ERIC W		24.12	10.00	\$341.20			
9/22/2016	721980	1007	2016 MACK DEMP TRINK		104.81	10.00		\$1,048,10		
9/23/2014	72990	1434	KURIN RICHARD A		27.38	10.00	\$275.80			
9032004	721900	1015	PICICLIP-2012 FORD F150	1	18.99	10.00		\$185.90		
Boad 14 - 0026	82+ VIN	ARD BO	AD		10,00					
Activity 14, 350	Disching									
Read District	-2									
4/11/2016	72053	0007	BRYANT BERY A		29.55	3.00	558.05			
4/13/2004	72953	0007	DUMP TRUCK-PLATRED	1	53.58	3.00		\$160.74		
411/2014	73953	1042	BACKBOE		67.34	1.00		\$2002-02		
411/2014	73043	1800	PERSING BOYER I		21.24	3.00	\$63.72			
471/2016	23943	1016	TRIMP THIS K. MIS MACK	1.5	90.44	1.00		\$271.81		
431/2014	73651	0460	CRANCER INCOME.		20.87	3.05	512 61	40.1740		
4210004	23043	1009	DUMP TRUCK		88.96	3.00	104.01	1166.98		
Band Id . april	26. 18.4.8	8109 Y	ALLEY BOAD		28.74	2.000		A100.00		
Activity 14, 244	Bischier,	and truth 1	And a second							
Bood Provide	- A									
English Control	11000	2004	MERGENERAL AND		10.00	12.00	552.00			
51562000	73060	1011	BACKING PR. HULAS A	1.1	47.54	1.00	204.00	Electron and		
01002016	20000	104.3	TRANED AVERAGE		11.00	1.00		414.24		
500,0000	12080	1000	DUMP TRUE Y - D ATRON		24.34	3.00		\$165.02		
1000010	Constant of the local division of the local	tions.	Draw Hurry-Livingen		24.24			4180.04		
PA	AGE 36 OF	98				E	TOWAH COUN	ITY - DOCUME	ENT SET 4-2	

31 af 93

Report Date: 0515/2017 Report Id: Rppro012.spt

Etowah County Road Department Job Cest Selective Report from 4/1/2016 to 3/31/2017

Dute	DJ M	м	Description	Rate Id	Rate	Units	Emp Cost	Equ Cost	Mat Cest	Can Con
Project Id -28-002 Road Id - 9927	1080W M	AINTEN.	ANCE-DRAINAGE, DITCH, SH ALLEY ROAD	IOULDER						
Activity M -35	0 Ditching									
Road Distylet	-4									
5/96/2006	72080	2512	SHEELISK DAVID	3	16.56	3.00	\$49.68			
5/96/2016	72080	1820	DUMP TRUCK2903	1	51.54	3.00		\$154.62		
5/06/2006	72080	0679	RELEY DONALD R.	3	29.80	3.00	\$89.40			
5/86/2016	72080	6983	PECKUP	1	11.75	3.00		\$47.15		
5/87/2004	72081	2517	MESSER NICHOLAS A		18.00	10.00	\$180.00			
5/17/2014	72061	1143	BACICIOE	1	67.34	10.00		\$673.40		
5/17/2006	72081	3800	TRALER-UTILITY	1	11.58	10.00		\$115.80		
5/17/2006	72081	3000	DUMP TRUCK-FLATBED	1	24.34	10.00		\$543.40		
5/17/2014	72081	2512	SHEELER DAVID	3	16.56	10.00	\$185.60			
5102004	73081	3420	DUMP TRUCK-2003	1	51.54	10.00		\$515.40		
5/87/2006	72081	1198	TALTON STEVEN W	3	23.76	10.00	\$217.60			
5/87/2016	72041	1003	TRUCK-PICK UP PLAT		26.64	10.00		\$356.40		
5/87/2004	72064	6679	RELEY DONALD R		29.80	10.00	\$298.00			
5177006	72081	0083	PROCEEP		15.25	10.00		\$157.50		
Band I.d - 0027	12+ WES	SON GA	PROAD			1000		410000		
Activity 14, 35	b Disching									
Read District										
6157016	72155	2571	HELL AMOR	1	20.01	2.68	\$50.13			
8752004	721.55	1015	ENCAVATOR-WHEELED	1	148.65	2.90	53.0	\$371.73		
813/2016	72155	1468	INITION CLAUDE C		18.15	2.50	\$45.40			
8150004	22044	1008	DOMP TRUCK	1.1	77.78	2.55		1293.30		
8152016	72155	2575	SPARS MARCHITTE		10.77	2.98	\$40.48			
6/15/2016	99144	1011	TRUCK-FLATHED CREW		27.40	2.55		\$50.80		
811/2014	72155	2536	CATTURNISEVAN		18.54	2.50	545.15			
Band Id . 0027	AL WEST	ONLA	KE BOAD		10.04		140.00			
Activity 14 .35	b Dischier		and another							
Band District										
\$73(36)4	72541	2571	HELL ANDS	. 1	20.05	3.500	\$100.25			
\$71/3044	73142	1043	ENCAVATOR-WHEELED		148.65	5.00		\$163.45		
8/23/2016	22361	1809	PERCENT ROOME 1.		21.24	5.00	\$105.20			
8/21/2014	72161	1079	DUMP TRUCK	1.2	46.35	1.00		\$231.75		
4/31/3014	THEFT	3475	SEARS MARCHIETTE		16.79	5.00	\$80.97			
8/71/2014	7754.0	1011	TRUCK -FLATSETS CROW		27.62	5.00	400.77	\$119.60		
6/22/2016	121044	3138	CATTO BOLLEVAR		18.54	5.00	892.70	\$1,17,90		
Band Ld - 0022	KA- WHIT	DES CH	APEL ROAD		10.74		474.75			
Activity 14, 35	b Ditchian									
Band Barriet	.1									
4/20/2016	110.55	3434	HELT ANY S	1	10.65	5.00	\$110.25			
6/20/2016	23040	1013	ENCAVATOR-WHEELED		143.50	5.00	4146.31	\$712.50		
820/2016	738.60	1448	DITTON CLAUDE C		18.14	5.00	\$50.80	A. CALLER		
670/1016	23949	1079	DOMP TRUCK		12 14	5.00		\$263.70		
4/20/2014	110.00	1000	PERCINS ROOFE I		21.24	5.00	\$105.20			
8707816	71015	1011	TRUCK FLATRED CREW		29.71	5.00		\$148.55		
Band Id + 6027	SR- WIN	RIONI	IFAD ROAD		200,000	2.00				
Activity 14, 310	. Publica									
Read District	a station of									
A117101.6	THAT	3631	THE F ADDRESS		30.65	5.00	\$100.25			
and the second	TANK	1041	ENCAVATOR-WHEELED		141-141	5.00	2100.12	\$712.56		
21173010		3615	STOWER'S SUCA		36.93	5.00	\$100.00	4104.00		
4.9.7010	10007	10030	DUMP TRUEY		17 74	5.00	2000.00	1141 10		
+ 3/2014	20040	0029	DEVANT PROPERTY A		30.04	4.00	1 (117) No.	3450.19		
60.00000	100000	10022	BACKNEL JUNET A		49.33	4.00	\$177,90	6404 OA		
W1/2016	10000	1042	COLUMN TO DESCRIPTION		00.00	6.00	B 1 1 1 1 1 1 1	hear of		
40,000	100000	2297	CONTRACTOR DRUGE		43.34	4.00	\$125.52	#104 A4		
6/0/016	72292	0.029	LINE AND	1.1	24,74	0.09	\$170 m	8105.64		
6103016	11665	-1101	HILL AND IS		10,00	8.00	\$110,00			

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date	0.014		Description	Bate M	Rate	Units	Emp Cost.	Equ Cost	Mat Cost	Con Con
Project M -28-08 Boad Id - 002	SIROW M	AINTEN I	ANCE-DRAINAGE, DETCH, SHI HEND ROAD	OULDER						
Activity M. 35	e Disching									
Road Distric	1-6									
6740016	72103	1299	FROST RANDALL C		29.89	10.00	\$298.96			
6/14/2016	72103	1054	PICKUP-2012 FORD F150	1.1	19.74	10.00		\$197.40		
6/14/2016	72103	1117	WASHINGTON RODERT IS		37.41	10:00	\$274.10			
4/14/2016	22103	1005	PICKUP-2007 FORD	1.1	19.44	18:00		\$194.40		
6/14/2016	221003	75%	CARROLL MARCES		17.67	18.50	\$176.20			
675472914	72100	0997	DUMP TRUCK - ELATBETH	1	53.58	18.50		\$515.00		
4/14/2016	22140	1041	BACKHOE		62.54	10.00		\$673.40		
6/14/2016	22500	2421	HEL AND S		20.05	18-00	\$200.98			
671473916	77100	1071	TRUCK-ID ATBED CREW		29.71	18-00		\$297.10		
8/14/3014	72100		Formation Rocks Room Farmetican		107.93	1.00			\$112.53	
4/14/2014	21100		PARAMETER CARE A	0.00	20.22	15.00	8262.24		********	
471470016	72890	1000	DUMP TRUCK		63.24	18.00	3000.00	61117.00		
074/074	12100	11100	LAUND TRUCK		75.62	18.00	4714.85	3010.00		
014/2019	72100	0.00	SHOUNDER CHARLES IN	- 22	43.03	18.00	34,56,54	10007-00		
6/14/2016	72100	0862	DUMP THUCK-PLAT HUD		49.75	10.00		9603.20	1000	
6/14/2016	72100		Sod trees Consa Furt.		99,75	1,00	100 A 100		309.73	
8/23/2016	72109	2321	HILL AMOS		20.03	18.00	\$200.50			
6/21/2016	72109	1053	EXCAVATOR-WHEELED		142.50	18.00		\$1,415.00		
623/2016	72109	2397	GRANGER BRIDCE		20.87	18.00	\$208.79	bener and		
PG770018	72109	1006	DUMP TRUCK-2015 MACK		90.61	18.00	and and	\$906.10		
6/23/2016	72109	1468	DUTTON CLAUDE C		18.16	8.00	\$245.28	227112		
621/2016	72109	1008	DUMP TRUCK	E	88.96	8.00		\$711.68		
6/22/2016	72110	2321	HELL AMOS		20.05	16.00	\$200.58	1.215.85		
6/22/2016	72110	1053	EXCAVATOR-WHEELED	1.	142.50	18/00		\$1,425.00		
6/22/2016	72110	2507	GRANGER BRUCE	3	20.87	38.00	\$208.70			
6/22/2016	72110	1056	DUMP TRUCK-2015 MACK	1.1	90.61	18.00		\$906.10		
6/22/2016	72110	1468	DUTTON CLAUDE C	3	18.16	18.00	\$181.40			
6/32/2016	72110	1008	DUMP TRUCK	1	88,96	18.00		\$889.60		
6/33/2016	22111	2521	HILL AMOS	3	20.05	18.00	\$200.50			
6/23/2016	72111	1053	EXCAVATOR-WHEELED	1	142.50	38.00		\$1,425.00		
6/23/2934	72111	2997	GRANGER BRUCE	3	20.87	38.00	\$208.70			
6/23/2016	32111	1056	DUMP TRUCK-2015 MACK	1	90.61	18.00		\$906.00		
6/23/2016	72111	1468	DUTTON CLAUDE C	3	18,16	38.00	\$181.60			
6/23/2016	72111	1008	DOMP TRUCK	E	88.96	18:00		\$833.60		
6/23/2016	72114	1117	WASHINGTON ROBERT II.	3	27.41	18:00	\$274.10			
6/27/2016	72104	1005	PICKUP-3007 FORD	1	19.44	18.00		\$194.40		
6/27/2016	72114	2326	CARROLL MARCUS		17.62	16:00	\$176.20			
6/23/2016	72164	1053	EXCAVATOR-WHEELED	E	142.50	18.00		\$1,425.00		
6/23/2016	72114	2107	ORANGER BRUCE		20.87	18.00	\$208.70			
6/27/2016	72104	1056	DEMP TRUCK-2015 MACK	1.1	90.61	18.00		\$906.10		
Road Id - 0027	74-: WILL	LETTRO	DAD							
Activity M 48	b Dinhing									
Read District	-1									
8/15/2016	72144	2121	HEL AMOS		20.05	2.50	\$50.13			
\$150016	70195	1053	EXCAVATOR-MOBILED		148.69	2.55	2222	\$371.75		
8/15/2014	771.54	1468	DEPTTON CT, ADDR C		18.14	2.50	541.40			
8115/0018	10155	1008	TRAFTING'S		22.28	2.65		\$197.39		
8050016	99144	2423	SEADS MADYN STIT		15 19	3.65	\$40.40	2110.00		
4115/2015	20100	1001	THEY ALL ATTENDED		22.02	3.64	210.10	440.00		
013/0010	20122	1010	CATTING LENGE		27.76	3.65	104.22			
Burded All	12133	10.00	CALIFICATION SELVICE.		18.24	2.29	\$40.33			
1000 10 - 000	A DECKNOW	ere cu	83.3.C							
Activity 10 - 45	o Decking									
Road Destrict	-1		and a lot of the lot of			10.000				
4/11/0816	12968	0021	INTANT JURETA	1.0	29.55	3.00	568.60	Barro 84		
4/10/2016	7,2060	6961.	DUST TRUCK-PLATHED		38.38	3.00		3050.74		
425/2016	72060	1043	BACKINE		\$7.34	3.00		\$2903.02		
P	AGE 38 OF	98				E	TOWAH COUN	TY - DOCUME	NT SET 4-2	

Proper II - 3- 462 - 860 * 84,011 * 4340 C. BRUNKELEPT CLASHOULDER Band H - 402 * 452 * 452 * 452 * 458 * 459 * 452 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 458 * 45	Date	DJ M	м	Description	Rate M	Rate	Units	Emp Cost	Equ Cast	Mat Cost	Con Con	
Anno Diservice 1- Band Diservice - 2- 641120546 Topology 0.2020 GRANGER BRUCK 3 24.87 1.00 502.61 502.61 641120546 73060 9000 DISM TRUCK 1 85.64 30.00 506.13 5002016 72000 9151 DIXAVIDIL-MADEL 1 92.65 1.00 506.13 506.75 5002016 72000 9151 DIXAVIDIL-MADEL 1 92.51 30.00 506.13 506.75 5002016 72000 9011 DIXAVIDIL-MADEL 1 92.51 30.00 506.13 506.23 5002016 72000 9011 DIXAVANDE-WIRE 1 120.71 30.00 506.23 5002016 72004 9011 DIXAVANDE-WIRE 1 120.00 506.13 506.23 5002016 72004 9011 DIXAVANDE-WIRELED 1 120.00 506.13 506.23 5002016 72004 9011 DIXAVANDE-WIRELED 1 120.00 506.13 506.23 506.23	Project Id -25-002 Read Ed - 0029	HIS: GOW	UNTEN.	ANCE-BRAINAGE, DETCH.SH RCLE	OULDER		-30.97	1.111.1.1.1.1.				
Band Teartin - 1 - 44110564 7300 200 GRANGER BEUCE 3 2447 106 54261 54010564 7300 200 DEALANDES 1 38.56 100 54261 5402056 7309 255 DEALANDES 1 38.55 100 54215 5402056 7309 255 DEALANDES 1 14.0.9 100 54213 5402056 7309 255 DEALANDES 1 12.2.1 100 54213 5402056 7309 255 DEALANDES 1 22.1 100 58.011 Facily J. And Deriti - 2 - - 1 14.5 100 590.215 590.35 542015 72049 251 DELLANDES 1 14.2.0 100 590.215 542016 72049 251 DELLANDES 1 23.2 100 591.18 542016 72049 251 DETONOLOLANDES 1 23.2	Activity M .35	0 Ditching										
4012040 7000 2007 GRANGER BEACKS 3 24.12 100 562.61 5002016 72000 9222 HELLANDOS 3 354.5 100 560.713 5002016 72000 9201 GEXAVATOR-WHERLED 142.50 100 547.756 5002016 72000 2015 GEXAVATOR-WHERLED 157.2 100 547.756 5002016 72000 2015 FUNCKA-PLATED CRUW 1 202.7 100 547.756 5002016 72000 2015 FUNCKA-PLATED CRUW 1 20.27 100 549.13 Bast Month 1 20.25 1.00 590.23 590.23 590.23 502016 72004 1015 DEXAVATOR-WHERLED 1 142.50 100 590.23 502016 72004 1015 DEXAVATOR-WHERLED 1 142.60 590.23 502016 72004 1015 DEXAVATOR-WHERLED 1 110.40 590.23 502016 7	Road District	-2										
44.0206 7080 009 CLAP TEXCK 1 85.65 3.00 Sci.1 Sci.2016 7009 923 BELANDS 1 16.39 3.00 Sci.1 Sci.2016 7009 923 DERVANDAN 1 17.37 3.00 Sci.1 Sci.2016 7009 923 DERVANDAN 1 12.34 3.00 Sci.1 Sci.2017.6 7009 923 DERVERS 1 12.34 3.00 Sci.1 Sci.2 Sci.2 3.00 Sci.1 Sci.2 Sci.2 3.00 Sci.2 S	4212016	72068	2507	GRANGER BRUCE	3	26.87	3.00	\$62.63				
Solicitis (72009 1251 BELL ANDES 3 2465 3.00 \$40,13 Solicitis (72009 1253 GEDSON ADAM 3 19.37 3.00 \$58,111 \$59,223 Solicitis (72009 2353 GEDSON ADAM 1 12.37 3.00 \$58,111 \$51,223 Solicitis (72009 2313 STOMPES SHEAL 1 22.21 3.00 \$60,64 \$50,231 Solicitis (72009 2313 STOMPES SHEAL 1 22.71 3.00 \$50,613 Solicitis (72009 2313 STOMPES SHEAL 1 22.71 3.00 \$50,613 Solicitis (72009 1014 BATTON CARDE 1 1.11,61 5.00 \$50,73 Solicitis (72009 1015 STOMPES SHEAL 3 22.95 16.00 \$50,33 Solicitis (72009 9007 BATANTE-MEDIC LINP 1 13.41 100 \$51,30 Solicitis (72009 <td>4212016</td> <td>72960</td> <td>1009</td> <td>DUMP TRUCK</td> <td>1</td> <td>88.95</td> <td>3.00</td> <td></td> <td>\$256.88</td> <td></td> <td></td>	4212016	72960	1009	DUMP TRUCK	1	88.95	3.00		\$256.88			
S002166 72009 9205 0002004 AVX0008-WHEELED 1 102.09 500.016 5007 S002106 72009 2005 000200 ADXM 3 1937 500 5911 5912.20 S002106 72009 2015 S10000105 SIRA 3 2622 3.00 560.64 596.13 S002106 72009 2015 S1000105 SIRA 3 2622 3.00 560.25 Antinyi J. 400 TRUCK - ATTIBLE CLIN 1 142.09 1.00 5970.25 5970.25 S002106 72014 1015 TRUCK - ATTIBLE CLIN 1 142.09 1.00 5970.25 S002106 72014 9315 10100 K- ATTIBLE CLIN 1 110.40 5970.40 598.35 S002106 72014 9315 10100 K- ATTIBLE CLIN 1 131.40 599.10 597.00 Antinyi J. Antis	5262816	12089	3521	HELL AMOS	3	28.85	3.00	\$60.13				
S02016 T009 2503 CEREM ADAM 3 1937 3.09 551.11 S02016 T009 2513 STOPERS SHEA 3 2523 3.09 566.44 519.32 S02016 T009 2513 STOPERS SHEA 3 2523 3.09 566.44 519.32 Beal H - entry CS SPECE ANTENE Antition J - 36 Store J 3.00.5 500.25 517.2.3 S402016 72014 901 DILLA ANTIS J. 20.5 100.5 517.2.3 S402016 72014 901 DILLA ANTIS J. 20.5 100.5 517.2.3 S402016 72014 901 DILLA ANTIS J. 20.5 100.0 504.35 S402016 72014 901 DILLATISCHARCH J. 20.5 100.0 504.35 S402016 72014 901 PICKUP J. 20.55 100.0 529.3.9 S402016 72089 907 DLAP TRUCK-FLATIBED J. 20.55 100.0 520.3.9 S402016	526/2016	72089	1053	EXCAVATOR-WHEELED	1.1	147.50	1.00		\$427.59			
SD0316 7289 0.03 FUNCE 1 53.4 3.00 518.32 SD0316 7289 0.03 TUUCK-FLATED CERV 1 20.2 3.0 506.64 Anting 14 and Bencher-2 - - - - 389.13 S00316 7289 0.03 TUUCK-FLATED CERV 1 20.2 3.0 506.64 S00316 72074 1.03 TUUCK-FLATED CERV 1 1.0.2 3.0 572.53 S00316 72074 1.04 DUTKK-FLATED CERV 1 3.21.0 508.55 S00316 72074 1.04 DUTKK-FLATED CERV 1 3.21.1 3.0 508.55 S00316 72074 1.04 DUTKK-FLATED CERV 1 3.21.1 3.0 508.53 S00316 72074 1.04 DUTKK-FLATED CERV 1 3.23.5 10.0 507.14 S00316 72089 0.97 DURO TRUCK-FLATED CE 1 3.38 10.0 523.38 S00	5/26/2016	72089	2505	GEPSON ADAM	3	19.37	3.00	\$58.11	States.			
S00/316 2009 2015 STONERS SURA 3 20.2 3.00 500.64 S00/216 72899 2015 TRUCK-FLATERD CREW 1 29.71 3.00 589.13 Read M- 00217-2 SPRUID AVIANCE 1 29.71 3.00 570.216 590.215 S00.216 72074 2531 BELLANDIS 3 20.05 5.00 570.216 S00.216 72074 1640 DITTON/CLATERC - WIRELED 1 14.20 1.00 S312.53 S00.216 72074 2515 STONERS SREA 3 20.22 1.00 S91.35 S00.216 72074 2515 STONERS SREA 3 20.22 1.00 S91.35 S00.216 72049 9077 REVANT ZEREY A 3 29.55 150.00 S93.38 S00.216 72089 9077 REVANT ZEREY A 3 29.55 150.00 S33.80 S00.216 72089 10077 REVANT ZEREY A 3 15.38 1	5/26/2916	72969	1029	DUMP TRUCK	10	52.74	1.00		\$158.22			
S202316 7289 2031 TULCX-FLATBED CELW 1 29.71 3.09 389.13 Read M - 4023171: SPENIGA VENUE - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <	\$262816	12089	2515	STOWERS SHEA	3	28.22	1.09	\$60.64				
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Boad Id 000015: ALFORD HOAD Activity M. 359 Ditching Boad Biothict - 2 12/0/2016 72257 H30 GUTHERY THOMAS 3 20.95 3.00 \$62.85 12/0/2016 72257 H30 GUTHERY THOMAS 3 20.95 3.00 \$62.85 12/0/2016 72257 H63 DUTTON CLAUDE C 3 18.40 3.00 \$514.40 12/0/2016 72257 1066 DUMP TRUCK2016 MACK 1 104.31 3.00 \$314.40 12/0/2016 72257 2105 SEARS MARQUETTE 3 36.41 3.00 \$99.23 12/0/2016 72257 2105 SEARS MARQUETTE 3 36.41 3.00 \$99.23 12/0/2016 72257 2105 STOWERS SHEA 5 20.48 1.00 \$20.48 12/0/2016 72257 2105 STOWERS SHEA 5 20.48 1.00 \$20.48 Boad Id 000018: ALFORDER BEND ROAD 3	3/14/2017	72534	1067	DUMP TRUCK-2016 MACK	1.	104.81	8.00		\$838.48			
Activity M. JHW Hitching Road District - 2 12/0/2016 72257 13/0 GUTHERY THEOMAS 3 20.95 3.00 \$62.85 12/0/2016 72257 14/0 EXCAVATOR-MINELED 1 14/6.69 3.00 \$646.07 12/0/2016 72257 14/8 DUTTON CLAUDE C 3 18/0 \$595.20 12/0/2016 72257 14/8 DUTTON CLAUDE C 3 18/0 \$595.20 12/0/2016 72257 14/8 DUTTON CLAUDE C 3 18/0 \$595.20 12/0/2016 72257 16/6 DUMP TRUCK-2016 MACK 1 10/4.81 3.00 \$597.20 12/0/2016 72257 21/3 \$56ARS MARQUETTE 3 36.41 3.00 \$597.20 12/0/2016 72257 21/3 \$570WERS SHEA 5 20.48 1.00 \$20.48 Hoad 1d 000018: ALFORIDS BEND ROAD 20.48 1.00 \$20.48 Activity M. JdB Disching 3 20.62	Road 1d - 0000	15: ALFO	HD BO	AD								
Road Section - 1 12/0/2016 72257 H30 GUTHERY THOMAS 3 20.95 3.00 \$62.85 12/0/2016 72257 H00 EXCAVATOR-WHEELED 1 148.69 1.00 \$446.87 12/0/2016 72257 1468 DUTTON CLAUDE C 3 18.40 1.60 \$553.30 12/0/2016 72257 1468 DUMP TRUCK-2016 MACK 1 104.81 3.00 \$593.30 12/0/2016 72257 2123 SEARS MARQUETTE 3 36.41 3.00 \$69.23 12/0/2016 72257 2103 SEARS MARQUETTE 3 36.41 3.00 \$69.23 12/0/2016 72257 2103 SEARS MARQUETTE 3 32.48 1.00 \$20.48 12/0/2016 72257 2103 STOWERS SHEA 3 20.48 1.00 \$20.48 Hoad 1d - 000018-: ALFORDS BEND ROAD Activity M 369 Bitching 3/0/2017 72327 2513 500WERS SHEA	Activity 18 351	# Ditching										
12/8/2016 72257 H30 GUTHERY THOMAS 3 20,95 1,00 \$62,85 12/8/2016 72257 1053 EXCAVATOR-MINELED 1 148.69 1,00 \$446.07 12/8/2016 72257 1483 DUTTON CLAUDE C 3 18.40 1,00 \$553.00 12/8/2016 72257 1463 DUTTON CLAUDE C 3 18.40 1,00 \$514.43 12/8/2016 72257 2123 SEARS MARQUITTE 3 16.41 3,00 \$69.23 12/8/2016 72257 2123 SEARS MARQUITTE 3 16.41 3,00 \$69.23 12/8/2016 72257 213 SEARS MARQUITTE 3 16.41 3,00 \$69.23 12/8/2016 72257 2103 SEOWERS SHEA 3 20.48 1.00 \$20.48 Hood 1d - 000018: ALFORDS BEND ROAD 20.42 5.09 \$163.10 Mc2017 72127 2143 STOWERS SHEA 3 20.42 \$100	Road District	-1										
12/8/2016 72257 1053 EXCAVATOR-WHEELED I 148.69 3.00 \$446.07 12/8/2016 72257 1468 DUTTON CLAUDE C 3 18.40 3.00 \$55.30 12/8/2016 72257 1056 DUMP TRUCK-2016 MACE I 104.81 3.00 \$514.43 12/8/2016 72257 2123 SEARS MARQUITTE 3 36.41 3.00 \$69.23 12/8/2016 72257 213 SEARS MARQUITTE 3 36.41 3.00 \$69.23 12/8/2016 72257 2103 SEARS MARQUITTE 3 30.48 1.00 \$69.23 12/8/2016 72257 2105 STOWERS SHEA 3 20.48 1.00 \$20.48 Hood 1d - 000018: ALFORDS BEND ROAD 3 20.48 1.00 \$20.48 Activity M 459 Disching 3 20.62 \$10 \$10.10 3/6/2017 72127 2513 STOWERS SHEA 3 20.62 \$10	12/6/2016	72257	1120	GUTHERY THOMAS	9	29,95	3.00	\$62.85				
12/8/2016 72257 1468 DUTTON CLAUDE C 3 18.40 3.60 \$55.30 12/8/2016 72257 1066 DUMP TRUCK-2016 MACE 1 104.81 3.60 \$514.43 12/8/2016 72257 2123 SEARS MARQUETTE 3 16.41 3.60 \$69.23 12/8/2016 72257 101 TRUCK-2008 FORD F450 1 27.92 3.00 \$83.36 12/8/2016 72257 2115 \$100028 SHEA 3 20.48 1.00 \$20.48 Houd 1d - 000018-: ALFORDS BEND ROAD 3 20.48 1.00 \$20.48 Activity M. J59 Disching 3 20.42 5.00 \$163.10 3/8/2017 72327 2115 \$TOWERS SHEA 3 20.42 \$100 \$163.10 3/8/2017 72327 2115 \$TOWERS SHEA 3 20.42 \$100 \$163.10 3/8/2017 72327 2115 \$TOWERS SHEA 3 20.42 \$100 \$163.10	12/8/2016	72250	1053	EXCAVATOR-90HEELED	F	148.69	3.00		\$446.07			
12/8/2016 72237 1066 DUMP TRUCK-2014 MACK I 104.81 3.00 \$314.43 12/8/2016 72237 2123 SEARS MARQUETTE 3 36.41 3.00 \$69.23 12/8/2016 72237 2135 SEARS MARQUETTE 3 36.41 3.00 \$69.23 12/8/2016 72237 2515 STOWERS SHEA 3 20.48 1.00 \$20.48 Hoad 1d - 000018: ALFORDS BEND ROAD 3 20.48 1.00 \$20.48 Hoad 1d - 000018: ALFORDS BEND ROAD 3 20.48 1.00 \$20.48 Model 1d - 000018: ALFORDS BEND ROAD 3 20.42 \$100 \$20.48 Model 1d - 000018: ALFORDS BEND ROAD 3 20.42 \$100 \$20.48 Model 1d - 000018: ALFORDS SHEA 3 20.42 \$100 \$20.48 Model 1d - 000018: STOWERS SHEA 3 20.42 \$100 \$143.40 Model 1d <td>12/8/2016</td> <td>72257</td> <td>1468</td> <td>DUTTON CLAUDE C</td> <td>3</td> <td>18.40</td> <td>3.00</td> <td>\$55.20</td> <td></td> <td></td> <td></td>	12/8/2016	72257	1468	DUTTON CLAUDE C	3	18.40	3.00	\$55.20				
12/8/2016 72257 2123 SEARS MARQUITTE 3 16.41 3.00 \$49.23 12/8/2016 72257 101 TRUCK-2008 FORD F450 1 27.92 3.00 \$83.36 12/8/2016 72257 2515 \$TOWERS SHEA 3 20.48 1.00 \$20.48 Hoad 1d • 000018-: ALFORDS BEND ROAD 3 20.48 1.00 \$20.48 Activity M 350 Bitching 5 \$20.48 \$1.00 \$20.48 Model 1- 000018-: ALFORDS BEND ROAD 5 \$20.48 \$1.00 \$20.48 Model 1- 000018-: ALFORDS BEND ROAD 5 \$20.48 \$1.00 \$20.48 Model 1- 000018-: ALFORDS SHEA 3 \$20.42 \$1.00 \$20.48 Model 1- 72327 2515 \$TOWERS SHEA 3 \$20.42 \$1.00 \$143.40 Model 1- 72327 1053 EXCAVATOR-WHIELED 1 \$148.40 \$1.00 \$143.45	13/8/2014	72257	1066	DUMP TRUCK-2014 MACK	1.5	104.81	3.00		\$314.43			
128/2016 72257 101 TRUCK-2008 FORD F450 1 27.92 3.00 \$83.36 129/2016 72257 2115 STOWERS SHEA 5 20.48 0.00 \$20.48 Houd 1d - 609018-: ALFORDS BEND ROAD Activity M 350 Ditching Read District -2 36/2017 72327 2515 STOWERS SHEA 5 20.62 5.00 \$143.40 36/2017 72327 1053 EXCAVATOR-WHELED 1 148.40 5.00 \$543.45	12/8/2016	72257	2423	SEARS MARQUETTE	3	36.61	3.60	\$49.23				
12/8/2016 72257 2115 STOWERS SHEA 5 20.48 0.00 \$20.48 Hoad 1d + 000018-: ALFORDS BEND ROAD Activity M 350 Ditching Read District -2 3/6/2017 72327 2515 STOWERS SHEA 5 20.62 \$100 \$103.10 3/6/2017 72327 1053 EXCAVATOR-WHEELED 1 148.60 5.00 \$540.45	12/8/2016	72257	1001	TRUCK-2008 FORD F499	E	27.93	3.00		\$83.76			
Boad Id 600018: ALFORDS BEND ROAD Activity Id 359 Dirching Road Bistrict -2 36/2017 72327 2515 STOWERS SHEA 3 20.62 5.00 \$103.10 36/2017 72327 1053 EXCAVATOR-WHELED 1 148.69 5.00 \$343.45	12/8/2016	72257	2585	STOWERS SHEA	5	29.48	1.00	\$20.48				
Activity M. 359. Ditching Read District -2 3/6/2017 72327 2515 STOWERS SHEA 3 20.62 5.00 \$143.10 3/6/2017 72327 1053 EXCAVATOR-WHEELED 1 148.69 5.00 \$343.45	Houd Id - 0000	IS: ALFO	HERS BE	ND ROAD								
Read Biotelicit -2 3/6/2017 72327 2515 STOWERS SHEA 3 20.62 5.00 \$143.10 3/6/2017 72327 1053 EXCAVATOR-WHEELED 1 148.69 5.00 \$343.45	Activity Id. 350	Ditching										
3/6/2017 72327 2515 STOWERS SHEA 3 20.62 5.00 \$143.10 3/6/2017 72327 1053 EXCAVATOR-WHEELED 1 148.69 5.00 \$340.45	Read District	-1										
3/6/2017 72327 1053 EXCAVATOR-WHELEED 1 148.69 5.00 \$341.45	362017	72327	2515	STOWERS SHEA	3	39.62	5.00	\$163.10				
AND	36/2011	72332	1053	EXCAVATOR-WHEELED	1.1	148.69	5.00		\$143.45			
3/6/2617 72327 2326 CARBOLL MARCUS 3 18.38 5.00 \$91.90	3/6/2017	72327	2326	CARROLL MARCUS	3	18.38	5.00	\$91.90				

Date	83.14	14	Description	Bare M	Rete	Units	Emp Cost.	Equ Cost	Mat Cost	-Con Cast
Project 3d - 28-002 Road Ed - 0000	BOW M	MINTEN ORDS III	INCE-DRAINAGE, INTCH, SIN IND ROAD	HILDER	- 0.925	1010		- 984 665	2011 (N.C.	and câi
Activity 14 35	Ditching									
Road District	-1									
36/2017	72827	1064	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$534.65		
38/2017	22322	2128	CATTURNETEVAR		19.01	5.00	\$95.05			
1/15/3017	222.04	0077	DEVANT HIREY A		30.20	3.00	\$90.40			
1/14/2017	99.046	0997	DEALE THIN'S - 2008		49.56	3.00	*(****	STATUS.		
1015/2017	22335	1047	DACKSON, MUSCAT AND		44.73	3.00		\$185.19		
1/15/2017	22234	1800	PERING BOCED I.		21.78	1.00	503.34			
1/15/2017	70118	1000	DEALE TRUCK _ NON		49.56	3.00	and	\$148.08		
3/16/2017	22234	0077	BOWANT BREVA		39.20	3.00	\$100.64			
1/16/2017	77116	0997	DEDAP TRUCK -2008		49.56	1.00		\$148.08		
1/16/2017	910.54	1000	REFERENCES C		21.76	1.00	665.34	31.46.66		
106/0017	271/14	1070	FRAME TRUE - Sola		49.74	1.00	200.04	\$148.08		
1/14/2017	TTUN	and a	BATTERNE, MALLONY AND		44.75	3.00		\$185.19		
1/16/2017	93934	1201	TURNER ADDIAN 1		34.30	3.00	877.64	3100.19		
Band Id - 0000	TALLANS	HE BOU	TURNER ADBIANT		29.00	3.99	916.00			
Autority and the	and and	HS BOD	w .							
Activity M -35	a bucket									
Road Destrant	-1	12.00	INCOME DATA DATA OF		22.00					
2/14/2011	72309	1259	FROST KANDALL C		30.54	5.00	\$152.59	Acres 104		
2/14/2017	72,909	1054	PICKOP-2912 PORD F139		18,86	5.00		264.30		
2/14/2017	72,909	1530	GUTHERY THOMAS		21.19	5.00	\$105.50			
2/14/2017	72369	1050	EXCAVATOR-WHEELED		148,69	5.00	1.1.1	\$743.45		
2/14/2017	72309	1458	DUTTON CLAUDE C		18.56	5.00	245.80	1.1.1		
3/14/2017	72309	1064	DUMP TRUCK-2016 MACK	1	104.81	5.00	201223	\$524.05		
2/14/2017	72309	1110	MCGATHA CHARLES K		24.22	5.00	\$121.00	20000		
2/14/2017	72369	1003	TRUCK-2008 FORD F450	t	29.08	5.00		\$145.40		
3/34/2017	72,509	2528	CATTLING LEVAR	3	19.01	3.80	\$57.60			
Road 1d - 0000	41< ALVI	CREON	ROAD							
Activity M -38	Ditching									
Read District	-2									
12/6/2016	72247	1196	PATTERSON WILLIAM J	3	21.05	3.00	\$63.15			
12/8/2016	72217	1642	BACKHOE-2015 CAT 430F	1	-61.73	3,00		\$185,19		
12/8/2016	72237	1809	PERICINS ROOFR L	3	21.49	3.00	\$64.47			
12/8/2016	72297	1065	DUMP TRUCK-2016 MACK	1	164.81	3.00		\$314.43		
12/8/2016	72237	1110	MCGATHA CHARLES K	3	23.94	3.00	\$71.82			
12/8/2014	32237	0943	PICKUP-2909 DODGE RAM	1	13.79	3.00		\$41.37		
2/22/2017	72316	1517	WASHINGTON ROBERT E	3	27.93	5.00	\$139.65			
2/22/2017	72308	1005	TRUNCK3907 FORD F150	1	18.86	5.00		\$54.30		
3/23/2017	72316	1550	OUTHERY THOMAS	3	21.10	5.00	\$105.50			
3/23/2017	72306	185	EXCAVATOR-WHEILED	1.1	148.69	5.00		\$743.45		
3/32/2017	72346	1468	DOTTON CLAUDE C		18.56	5.00	\$92.80			
3/32/2017	72306	1064	DUMP TRUCK-2006 MACK	1	104.81	5.00		\$524.05		
3/22/2017	72316	2528	CATTLING LEVAR		29.03	5.00	\$93.95			
2/22/2017	72306	1010	TRUCK-2008 FORD F450	1	29.08	5.00		\$145.40		
Road Id - 0900	and AND	ERSON I	DAD		27.112	22.52		1.000		
Activity M 350	Disching									
Read District	.2									
10/33/2016	72236	1530	GETTHERY TIROADAS		20.94	8.00	383.80			
10/13/2014	72224	1043	ENCAVATOR-WHEELED	1	148.65	4.00	adv. and	\$104.76		
1071370014	10116	1408	EVETTON CLAUDE C		18.40	4.00	\$71.65	40.000		
0000.0014	79734	1000	DUMP TRUCK NOW	1	46.14	4.00	410.000	\$195.40		
10/11/2014	22224	1016	CARDON MARCHIN		11.01	4.00	122.00	4000000		
INTO DOTO	75234	Date:	PONTE PONTE		15 75	4.00	411,34	1000 14		
Read and a start	TRA BACK	AND COD.	CHAPTE POAD	·	10.00	-		200.04		
Autor 10 - 0000	Dischief and	No. of Addition	CITES IN MARKE							
Accessity for add	pecsed.									
maad thereint			and the same of the same of		-	8.00	A1003			
N8/2911	11134	2015	ALCONDAS SHEA		20.62	3.00	3100.38			
PA	AGE 40 OF	98				E	TOWAH COUN	TY - DOCUME	NT SET 4-2	

	632552			10893		12244	620002244	1000000	Second Ch	1000
Date	DIM	14	Description	Rate bl	Rain	Units	Emp Cost	Equ Cost	Mat Cast	Cas Cost
Project Id - 28-08 Road Id - 600	2-180W M	AINTEN HELOR	ANCE-DRAINAGE,DITCH,SIR CHAPEL ROAD	FLDER						
Activity 1d -35	# Ditching									
Road Distric	4 -2									
3/8/2017	72329	1053	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
3/8/2017	72329	2505	GEPSON ADAM	3	19.88	5.00	\$399.40			
5/8/2017	22329	1064	DUMP TRUCK-2016 MACK	1	504.83	5.00		\$524.05		
3/8/2017	72329	2528	CATTLING LEVAR		19.00	5.00	\$95.05			
3/8/2017	72329	1021	TRUCK-2008 FORD F450	1	29.08	5.00		\$145.40		
3/8/2017	72329	0627	BRYANT JEBRY A	3	30.39	5.00	\$151.00			
39/2017	72330	2515	STOWERS SHEA		20.62	3.00	\$61.86			
3/9/2017	72330	1853	ENCAVATOR-WHEELED	1	148.09	3.00		\$446.07		
3/9(2017	72336	2505	GIPSON ADAM	3	19.88	3.00	\$59.64			
3/9/2017	72330	1864	DUMP TRUCK-2016 MACK	1	104,83	3.00		\$354.43		
3/9/2017	72330	2528	CATTLING LEVAR	3	19.08	3.00	\$57.03			
3/9/2017	723.96	1010	TRUCK-2008 FORD F458	1	29.68	3.00		\$87.24		
3/9/2017	72330	1110	MCGATHA CHARLES K	3	24.32	3.00	\$72.66			
3/15/2017	72335	0627	DRYANT JERRY A	3	30.29	3.00	\$99.60			
3/15/2017	72335	0997	DUMP TRUCK-2008	1	49.36	3.00		\$148.08		
3/35/2017	72335	1945	BACKHOE-2015 CAT 436F		61.79	3.00		\$185.19		
3/15/2017	72335	1809	PERKINS ROGER L	3	21.78	3.09	\$85.34			
3/05/2007	72335	1029	DUMP TRUCK-2006	1	49,36	1.00		\$148.08		
3/36/2017	72336	0027	BRYANT JERRY A	- 3	30.30	3.00	\$10.60			
3/96/2017	72336	0997	DUMP TRUCK-2008	1	49.36	3.00	5206	\$148.08		
3/96/2017	72336	1809	PERKINS ROGER L	3	21.78	3.00	\$85.34	10000		
3/16/2017	22336	9629	DUMP TRUCK-3006	1	49.36	3.00	0.029	\$148.08		
3/86/2017	72336	1048	BACKHOE-2015 CAT 4NF		61.73	3.00		\$185.19		
3/95/2017	72136	1264	TURNER ADRIAN)	3	24,20	3.00	\$72.60			
Road 54 - 0008	91- BAR	KSDALL	ROAD							
Artists M 35	0 Disching									
Head District	1-3									
12(8)(2014)	32257	2511	MAYS JMMOV R		16.39	2.55	\$40.98			
12/6/2014	72257	0043	BACKHOE-2015 CAT 430F	1.1	61.73	2.58		\$154.33		
110/2014	72357	2512	HUFF WALTER B	1	18.38	2.50	\$45.95			
128/2014	72267	0013	PERCEP		18.07	2.50	0.000	\$45.1#		
13(8/3014	212.57	2512	SHEELER DAVID		16.77	2.55	\$41.93			
1208/5014	23247	1000	IN MP TRUCK	- 21	104 81	2.40		\$252.03		
138204	22142	6679	RELEY INDIALID P		10.17	3.48	\$75.43			
110/2014	21357	0083	PCELP		14.90	2.56		477.33		
Read Id . 0000	DA. BEAT	IRD BOL	UD .		14040			40.00		
Activity M .35	b Perchine	1000 BOOM								
Read Bistrics										
1211/2016	21342	1435	CETTERY TRAAS	1.1	20.85	10.00	\$209.50			
ENROPER	23243	0005	ENCAVATOR-WHETHED	1.1	148.60	10.00	101510-15	0146600		
11/1/10/16	100.00	1408	DUTTION CLAUDE C		18.45	10.00	5154.00	41,100,00		
1212/2014	10000	1000	THE REPORT OF A DAY AND A DAY OF		104.91	10.00	3154.00	TA DATE IN		
15/1/2014	22242	3435	STARS MARY UTTE		16.41	10.00	E164.10	ar()/res.(m		
1212/2014	03545	1001	TRUET SAME CORD EFTE		22.45	10.00	2104.10	4110.00		
2011/2010	21210	1000	In a share of the second		12.00	10.00	1220.00	44174.000		
DOLDER F	100107	1200	THE REPORT OF THE PARTY OF THE		10.00	10.00	86.77.30	\$100 cm		
2023/2017	10017	1000	CONTRACTOR PORT OF THE	1.1	18.89	10.00	\$74 A 444	\$188.00		
2010/2011	74317	1300	ENGINE AND AND A		23,89	10.00	9211.00	-		
20002017	10017	100.0	PRINTING AND AND A		100.00	10.00	-	34/480.90		
2/2//2017	100017	1968	THE REPORT OF A DESCRIPTION OF A DESCRIP		18.35	10.00	3165/60	101 Mar 10		
2/2//2017	74,017	1964	DAMP TRUCK-2016 MACK		104.88	10.00	10000	21/048/10		
2/2//2011	74317	2328	CATTUROLEVAR		19.00	10.00	\$190.10	E 1000 EF		
2/2//2011	(2317	1001	1803, K~2008 FORD F450		29.08	10.00		P100 90		
2/2//0811	72317	2534	WENN TONIMY L		16.19	10.00	\$165.90			
2021/2011	72320	1347	WASHINGTON ROBERT F		21,89	10.08	\$179.30			
2/21/2017	72520	1005	TRUCK-2007 FORD F130		18.86	10.00		\$188.60		

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date	DEM	. H	Description	Rate 1d	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Cas
Project Id - 28-902 Road Ed - 0000	HI-: BEAL	UNTEN/	ANCE-BRAINAGE, DITCH, SBR	NULDER	1000				12.1211031	
Activity 14 J88	Ditching									
Road District	-1									
2/23/2917	72528	2915	STOWERS SHEA		30.62	18.00	\$206.28			
2/23/2017	72330	1053	EXCAVATOR-WHEELED	1.1	148.69	10.00		\$1,485.90		
2/21/2012	77138	1408	DEDITION CLAUDE C		18.56	10.00	\$181.40			
5210917	77130	1054	DEMP TRUCK , NOA MACK	1	104 81	10.00		\$1.048.10		
1010047	93338	21228	CATTO DIGILITYAR		10.00	18.00	\$196.14	and a set of the set		
1010047	77170	1001	TREET, 1998 FURTH SAME		70.05	10.00	403613	1000000		
2020001	771736	1414	WINDOW TO ANY T		14.10	10.00	#141.00	3179.89		
Read Ed - Oblig	ILL NOR	10.04	AUDIT DESCRIPTION		10.19	10.000	3100.99			
Autors 14, 165	Distantion of		ALCOLUMN TO A COLUMN TO A C							
Activity to -dole	Dertong									
Road Destruct		-	CONTRACTOR & AND INCOME.		10.00	1.000	A			
124/2014	12239	2018	CARROLL MARCUS		1730	3.00	222.44	Section 1		
12/6/2016	72255	0098	DOMP TRUCK-2008 GMC		47.29	3,00		3141.57		
12/6/2016	72255	1809	PERCINS ROGER L		21.49	3.60	364.47	2010		
12/6/2016	72355	1066	DUMP TRUCK-2016 MACK	1	104,81	3,00		\$104.40		
12/6/2016	72235	2523	BEARS MARQUETTE	3	16.41	3.00	\$49.23			
12/6/2016	72255	0981	PICKUP	E	18.31	3.00		\$54.93		
12/6/2016	72355	1043	RACKHOE-2013 CAT 430F	E	61.73	3.90		\$185.19		
12/6/2016	72295	2515	STOWERS SHEA		20.48	3.60	\$61.44			
12/6/2016	72255	1853	EXCAVATORWHEELED	1	248.69	3.00		\$446.07		
12/6/2016	72255	1468	DUTTON CLAUDE C		18.40	3.00	\$55.20			
12/6/2016	72255	2064	DUMP TRUCK-2016 MACK	1	104.83	3.00		\$114.43		
12/6/2016	72255	1110	MCGATHA CHARLES R		23.94	3.00	\$71.82			
12/6/2015	72255	3430	TRUCK-2008 FORD F458	1	27.92	3.60		\$83.76		
12/6/2016	72295	2534	WINN TOMMY I.	3	16.05	3.00	\$48.15			
3/31/2017	72315	2515	STOWERS SHEA	3	20.62	4.00	\$82.48			
3/31/2017	72315	0998	DUMP TROCK 2008 GMC	E	49.36	4.00		\$197.44		
3/31/3617	72335	2.904	CIPSEN ADAM		19.88	4.00	\$79.52			
301/06/7	22115	1044	DUMP TRUCK NOG MACK	1	104.81	# 00	91,000	5479.24		
101/0611	1910-5	2514	WINN TOWNY I		16.79	4.00	1004 76	2017/20		
3/31/360.3	77114	20020	INCOME DECEMBER OF	1	10.66	4.00		1010.04		
101.001		1040	BACKING, MALCATANE.		61.73	1.00		1746.97		
Burnella annu	INCOMP.	THE PARTY IS	DALASSO - SALASS		44.10			1240.00		
Boad Id - epell	19-5 50-01	in and	dowr buryn							
Activity 14 - 350	Dischoog									
Read Destrict	-1	12222	and an an an an an an an an	- 27	1.0.00	1000				
12/6/2016	72255	2528	CARROLL MARCUS	3	17.83	4.90	\$71.32	10.007207		
12/6/2016	72255	0998	DUMP TRUCK-3008 GMC		47,19	4.00	2010	5188.76		
12/6/2016	72295	1809	PERKINS ROGER L		21,49	4.00	383.96	Sector Sector		
12/6/2016	722.55	1066	DUMP TRUCK-2016 MACK	1	104.81	4.00		\$419.24		
12/6/2016	22255	2523	SEARS MARQUETTE		16.43	4.00	\$65.64			
12/6/2014	72253	0941	PREMUP	E	18.31	4.00		\$73.24		
12/6/2014	72255	1041	BACKHOE-2013 CAT 410F	E	41.72	-4.00		\$246.92		
12/6/2016	72255	2515	STOWERS SHEA		20.48	4.00	\$81.92			
12/6/2014	72255	1013	EXCAVATOR-WHEELED	1	148.69	4.00		\$594.26		
12/6/2014	72255	1468	DUTTON CEAUDE C	3	18.40	4.60	\$73.60			
12/6/2016	71255	1044	DUMP TRUCK-2016 MACK	1	104.81	4.00		\$419.24		
12/6/2014	72255	1110	MOGATHA CHARLES K		23.94	4.00	\$95.76			
126/2016	72255	1434	TRUCK-2008 PORD F458	1	27.92	4.00	22251	\$111.68		
12/6/2014	72255	2534	WINN TOMMY L	3	16.05	4.00	\$64,20			
3/31/2012	22315	2515	STOWERS SHEA	¥ .	20.43	3.00	Set as			
3/11/2007	22314	0000	DOMESTICK, 1998 CONT.		40.14	3.00		\$148.00		
3/31/300/7	TRACT	3404	Carry in Atlant		10.00	3.00	809.44	1111111		
3,71,000,0	01014	DAVA.	DATES THE CONTRACTOR		104 81	3.00	1000	1014-01		
3/31/2001	10000	2014	White Property is		14.44	3.00	548.53	and the		
AND COMPT	7230.0	2534	WERE PURCHASES &		10,00	3,000	200.01			
2023/2009 F	71313	10041	DACKNER DALL CAR AND		18.99	3.00		876.76		
2/21/2007	12313	0.041	6AC, 1006-2005 CAT 400F		01.73	A 100.		3180'15		

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date	DJ M		Description	Rate Id	Rate	Calm	Emp Cast	Equ Cast	Mat Cost	Con Con
Project Id -28-06 Road Id - 0000	122+ BENS	AINTEN	ANCE DRAINAGE, DITCH SHO IVE	RIDER		210228			 101100100 	1111111
Activity M. 35	0 Disching									
Road District	1.4									
12/8/2016	72157	1196	PATTERSON WELLIAM J	3	21.05	3.00	\$63.15			
139/2016	72257	1042	BACKHOE-3915 CAT 408F	1.1	41.73	3.00		\$285.19		
13/8/2016	72257	1809	PERKINS ROGER L	3	21.49	3.00	\$64.45			
13/8/2016	72251	1065	DUMP TRUCK-2016 MACK	1.1	104.81	3.05		\$314.43		
12/8/2916	72257	1110	MUGATHA CHARLES K	3	23.94	3.00	\$71.82			
13/8/2016	72257	0943	PECICIP-3991 DODGE RAM	1	13.79	3.00		541.37		
1/19/2017	72268	0027	BRYANT JERRY A	3	30.20	4.00	\$120.80	12000		
1/19/2017	72288	0997	DUMP TRUCK-2008		49.36	4.00		\$297.44		
1/19/2017	72288	2587	ORANGER BRUCE		18.84	4.00	\$75.36	1000		
1/19/2017	72288	0981	PICKUP	1.5	18.86	4.00		\$75.44		
1/19/2017	72268	1999	PERKINS ROCER L		21.78	4.00	587.12			
1/19/0017	72288	1065	DEMP TRUCK-2014 MACK		104.81	4.00		\$419.34		
1/15/2017	77788	TINK	BACKHOE-MULCAT 430F	2.0	41.73	4.00		\$246.90		
2/24/2617	92114	1130	CETTERY TIE MAS		21.10	5.00	\$105.48	1000.02		
10110017	99046	1051	EWAVATUR-WHEELED		1.00.00	5.00	100.04	\$501.45		
2020.0017		1.447	THE PROPERTY ACTING		10.00	5.00	107.01	Post of		
2/20/2017	72213	1908	THE THEFT		10.70	2.00	872.81	10004-000		
22242041	12213	1004	CARRONA MARCON	- 20	10.00	5.00	001.00	3024.00		
2020/0011	72012	2328	CARSIOLE MARK US		10.00	3,00	291.90	#1.47 A.		
205/0917	79.969	1001	TRUCK-2008 PORD P459		29.08	3.00		2143.48		
2010/2017	72313	1159	FRUST RANDALL C		30.54	4.00	\$122.18			
2/21/2017	32315	1054	PRACE-OPT PORD FITS		18.86	4.00		\$72.44		
Read Id - DPH	OF BLAC	CKCRE	EK BOAD							
Activity M -35	a Disching									
Road District	1-3	in the second		1.00		11440	1212111			
2/15/2017	72310	1228	FROST RANDALL C		30.54	5.00	\$152.10	1000000000		
2/15/2017	72390	1054	PICKUP-2012 FORD F156		18.88	5.00	-	394.30		
3/15/2017	72310	1530	GUTHERY THOMAS		21.10	5,00	\$105.50			
2/15/2017	72509	1053	EXCAVATOR-WHEELED		148.69	5,00		\$343.45		
3/15/2017	72310	1468	DOLLOW CITYON CITYON C	9	18.56	-5.00	265.80			
2/15/2017	72300	1064	DUMP TRUCK-2006 MACK	E	104.83	5.00	1222	\$524.65		
2/15/2017	72340	2508	CATTLING LEVAR		19.08	5.00	\$95.85			
2/15/2017	72309	101	TRUCK2908 PORD P459		29.08	5.00		\$143.49		
2/15/2017	72510	1110	MCGATHA CHARLES K	3	24.22	5.00	\$121.10			
3/36/2017	72311	1517	WASHINGTON ROBERT E	3	27.93	5.00	\$139.65			
2/36/2017	72341	1005	TRUCK-2907 FORD F150	- E	18,86	5.00		\$94.30		
3/16/2017	72341	1530	GUTHERY THOMAS	- 3	21.10	5.00	\$105.58			
3/36/2017	72318	1853	EXCAVATOR-WHEELED	1.1	348.69	5.00		\$343.45		
2/16/2017	72311	1468	DUTTON CLAUDE C	3	18.56	5.00	\$92.80			
2/96/2017	72311	1064	DUMP TRUCK-2016 MACK	1.1	104,83	5.00		\$524.05		
3/36/2017	72311	2528	CATTLING LEVAR		19.01	5.00	\$95.05			
3/36/2017	72311	1011	TRUCK-2908 FORD F450	1	29.08	5.00		\$545.49		
Read 1d - 0901	47 c 81.A?	VTON R	OAD							
Activity M -35	0 Distaine									
Rund District	1.2									
2/10/017	72298	1259	PROST EANDALL C		30.54	3.00	591.62			
2/1/2017	72294	0997	DUMP TRUCK-2008	1.0	49.36	3.00	1000	\$148.08		
3/1/2017	72298	1009	PERKINS ROOFR 1.		21.78	3.00	\$61.14	0.000		
2010007	71798	1029	DUMP TRUE X 2006	1	49.36	3.00	414-24	\$108.08		
10,0647	12264	2507	CRANCER SPICE		18.84	3.00	\$56.42	10-10-04		
311/0017	22240	0941	PSC 11P		18.64	3.00	494.0004	456.58		
Read Ld . Abox	The BRAD	SORD	DAD		10.00	1.000				
Autivity 54, 350	0 Disching	CE CHART	and the second se							
Band Birght	a merning									
Last Course	Think	(class)	NUMBER OF STREET		100.000	1.00	Atta min			
0.010.00007	100.00	1012	NAME AND ADDRESS OF AD		148.49	1,000	014.00	Same and		
1/11/2017	12282	1832	CALAVAJUK-WEELLED		148.00	2,000		3446.07		
P/	AGE 43 OF	98				E	TOWAH COUN	TY - DOCUME	NT SET 4-2	

Date	112.14	M	Description	Rate M	Rate	(Laine	Enter Cost	East Cost	Mat Cost	Con Cost
Project M - 28-003	LIROW M	AINTEN	ANCE-DRAINAGE, DITCHARK	RLDER			East Com	And a contract	Sector C. And	
Boad Id - 0000	1734 BRA	DFORD	ROAD	0000						
Activity 14 -35	8 Disching									
Road District	1.4									
1/11/2017	72283	1381	SALERS WILLIAM R	- F	21.90	1.00	\$21.90			
1/15/2017	72282	0952	DUMP TRUCK-FLATHED	1. C	49.36	3.06		\$148.08		
1/13/2017	72283	1106	HEARD FRIC W		24,69	1.00	\$24.69			
1/15/2017	72242	1067	DUMP TRUCK-2006 MACK	1	304.88	3.00		\$214.43		
1/11/2017	72282	1491	NAIL JAMES	3	22,71	1.00	\$22.71			
1/11/2017	72382	1068	DUMP TRUCK-2006 MACK	1	204.81	3.00		\$314.43		
1/15/0817	73282	2527	ALLEN JORDAN		16.54	1.00	\$16.55			
1/11/2017	72282	1040	BACKHOE-2015 CAT 430F	1	61.72	3.09		\$185.19		
1/15/2017	72382	1000	TRAEJIR-2009	E	12,47	1.00		\$12.47		
Boad 1d - 0000	TT: BRA	NS CHA	PEL ROAD							
Activity Id 38	8 Ditching									
Read Destrict	1.3									
12/13/2016	77260	2528	HILL AMOS		20.27	6.00	381.08			
12/13/2016	72360	1843	BACKHOE-2013 CAT 450F	10	61.73	4.00		\$246.92		
12/13/2014	72260	2512	SHEELER DAVID	1	16.72	4.00	\$47.08			
13/13/2016	72360	1969	DUMP TRUCK-2016 MACK	1	104.88	4.00		\$419.24		
12/13/2016	72260	0679	KELLEV DONALD R		30.12	4.00	\$120.68	Service Con		
12/13/2016	72360	0983	PICKUP	100	14.90	4.00	0.000000	\$99.72		
Read 1d - 0001	TR-C BRAS	SHER CI	UT-OFF RD		22,000					
Activity M. 35	0 Ditching									
Read District	-4									
6/33/2017	72190	2539	ALLEN JORDAN		16.54	2.00	\$13.09			
1/23/2017	72290	1045	BACKNOL-2015 CAT 430F		61.73	2.00		\$125.46		
0/25/2007	77790	2512	SISPELER DAVID	1.0	16.92	2.00	\$33.84	******		
1/23/2012	71290	1044	DOMP TRUCK 2016 MACK	1	104.81	2.00	10000	\$299.63		
0.013/06/27	12250	1415	NAT JAMES	1.1	27.71	2.00	445.45	4403-04		
1/11/10/07	21200	1 Acres	DOMP TRUCK NOG MACK	1.1	104.81	2.05	10000	\$109.67		
1/11/2017	71790	1000	TO AN UN-MORE		17.47	2.00		474.94		
1/21/2007	71704	hade.	DOMESTIC: NO	100	40.54	2.00		456 71		
Read 14 - 0001	ST. BREY	ATR BO	AD	1.1		1.00		- Annald -		
Activity 14 .35	a Disching									
Band District										
310047	71204	1244	FRONT RANDALL C		10.14	4.00	\$122.16			
30,0047	21204	-0001	DATE TRACK		40.14	4.00	BARE IN	\$102.64		
2010000	Taxable Internet	10000	DEDERING EXCERT		21.20	4.00	447.00	3191.95		
20,0007	10,076	1000	PERSONAL PROPERTY AND	1.1	40.34	4.00	\$40.0A	8107.04		
20.00047	717-04	3460	CRANCES INCOME	1.1	10.00	4.00	474 14	3131/04		
2002017	10,000	10041	COLORADE A DIVERSE		10.04	4.00	\$12.26	177.04		
2010/0913	72376	2004	PROPERTY SALACIN		10.00	1.00	100000	FLORE		
2020017	10.079	2509	CARDOLL MARCOS	1.1	18.36	2.04	301.39	2111.24		
2020917	71299	100.9	DUCAVATOR-WILLIED		10.00	2,00	#00.00	3140.40		
2/2/3011	72399	2468	DUTTON CLAUDE C		18.56	5.00	\$92.00	and a set		
20/0811	11798	1004	DOMP TRUCK-2016 MACK		104.81	3.00		\$104.09		
2/2/2017	12299	2525	STARS MARQUETTE		16.54	5.00	342.79			
2/2/2017	73299	0593	PICKUP	1	18.85	5.00		244.30		
2/2/2017	72299	2328	CATTUNO LEVAR	- 3	120,010	3.00	300.05			
2/6/2017	72302	1239	FROST RANDALL C	3	30.54	10.00	\$395.40	020230		
2/6/2017	72302	1054	PICKUP-2012 FORD F190	1	18.86	10.00		\$188.60		
2/6/2017	12302	1100	OUTHERLY THOMAS		21.38	10.00	\$211.00	Via Subserve		
2/6/2017	71303	1083	EXCAVATOR-WHEELED	. I.	148.69	10.00	1 - 2010 - 10 - 1	\$1,486.90		
2/6/2013	72302	1468	DUTTON CLAUDE C	1	18.56	10,00	\$185.60			
26/2017	72302	1064	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
2/6/2017	72302	2526	CARROLL MARCUS	3	18.38	10.00	\$183,80			
2/6/2017	72302	0806	PICKUP	1. C	14.42	10.00		\$144.20		

Read Ed - 000091-: BRISTOW COVE ROAD

Activity 1d 350 Ditching

Date	0.114		Description	Rate 1d	Rate	Units	Ene Cert	Eas Cost	Mart Cost	Con Cost
Project 1d - 28-00	LIBOW M	AINTEN	INCE-DRAINAGE, DITCH SHO	RIDER						
Boad Id - 000	PI- BRIS	TOW CO	OVE BOAD							
Activity 1d. 35	0 Ditching									
Road Distric	1.4									
11/8/2016	72234	1217	NORTON STEVE A	3	23,92	5.00	\$519.60			
15/8/2016	72234	1052	EXCAVATOR-WHEELED	- 1.S	148.69	5.00		\$543.45		
11/8/2016	72234	\$104	HEARD ERIC W	3	24.40	5.00	\$122.00			
11/6/2016	72234	1067	DUMP TRUCK 2016 MACK	- E	104.81	5.00		\$524.05		
15/8/2016	72234	1301	SALERS WILLIAM R	3	21.62	5.00	\$108.19			
10/802916	72234	1020	DUMP TRUCK-2003	1 C	45.15	5.00		\$225.35		
11/8/2016	722.94	1524	KUHN RICHARD A	3.	27.75	5.00	\$138,75			
11/60916	72234	1055	PICKUP-2012 FORD F150	1.0	18.59	5.00		\$92.95		
Road Id - 0000	597-; BRU	TON GA	PROAD							
Activity 1d. 35	8 Ditching									
Road Distric	1.3									
12/14/2016	22261	2521	HLL AMOS	5	20.27	1.50	\$20.41			
12/14/2016	72261	1043	BACKHOE-2015 CAT 430F	- F -	41.73	1.50		\$92.60		
12/14/2016	73261	2512	SHEELER DAVID	3	06.77	1.50	\$25.16			
12/14/2016	92265	1069	DUMP TRUCK-3014 MACK	1.5	104.81	1.50		\$157.21		
12/14/2016	72261	0679	KELLEY DONALD R	5	30.17	1.50	\$45.26			
12/14/2016	72260	0983	PICKUP	F	14.93	1.59		\$22.49		
12/14/2016	72261	2522	ALLIEN JORDAN		16.38	1.50	\$24.57			
12/14/2016	92264	1040	BACKHOE-3815 CAT 400F		63.73	1.50		\$92.68		
1214/2016	73261	1493	NAIL JAMES	2	22.43	1.50	\$33.65			
12/14/2016	72268	1068	DUMP TRUCK-3016 MACK		104.81	1.50		\$151.22		
12/14/2016	72261	1217	NORTON STEVE A		23.92	1.50	\$15.88			
12/14/2016	72264	1052	EXCAVATOR-WHEELED		148.69	1.50		\$223.04		
13/34/2016	72268	1581	SALERS WILLIAM R	3	21.62	1.50	\$32.43			
12/14/2016	72264	1020	DUMP TRUCK-2003	E	45.15	1.50		\$67.73		
12/14/2014	72261	1104	HEARD ERIC W	3	24.40	1.50	\$36.60			
12/3-6/2010	72264	0952	DUMP TRUCK-FLATHED	1.1	45.41	1.50		568.12		
10/14/2016	72261	1124	KUHN RICHARD A	3	22.25	1.50	\$61.63	2. F 2. C 2.		
12/14/2016	72264	1055	PICKUP-2012 FORD F150	1	18.59	1.50	141.000	527.89		
Road Id - 0002	14 BUD	UMPHIR	EV ROAD					0.0000000		
Activity M. 48	a Diskier	Second Co	2001030070-C							
Read District	1.4									
11/8/2016	72254	1217	NORTON STEVE A		23.92	5.00	\$119.60			
15/8/2016	72234	1053	EXCAVATOR-WHEELED		148.60	5.00		\$741.45		
11/6/2016	73234	1144	HEARD FRIC W		24.40	5.00	\$123.00			
11/0/2016	77734	1067	DEMP TRUCK-2016 MACK		104.81	5.00		\$124.05		
11/0/2016	22234	1381	SALERS WELLAM R		21.67	5.00	\$108.10	2012		
11/6/2016	72734	1000	DEMP TRUCK 2003	1.1	45.15	5.00		\$325.75		
11/80/014	77734	1124	KURIN FROMIND A		22.24	5.00	\$158.79			
11/8/2016	72234	1055	PICKUP-2012 FORD F150		18.59	5.00		\$92.95		
12/1/2016	22246	1212	NORTON STEVE A	- AC	25.92	5.00	1019-00	100000		
12/12/014	72256	1052	EXCAVATOR-WHEELED	1.1	148.69	5.00		\$243.45		
12/3/2014	71944	1981	SALERS WELLIAM R		21.62	5.00	\$108.10	0.5755		
12/1/2016	77256	1000	DEMP TRUCK-2003		45.15	5.00		\$325.75		
12/2/2014	22256	1198	TALTON STEVEN W		24.07	5.00	\$120.35			
12/20014	22244	0957	DEMPTHICK PLATNER	100	45.41	5.00		\$727.05		
13/3/3014	99344	11774	ACTION ENCLUEIO A		22.26	5.00	\$1118.75	Acc. 47		
12/1/1/1010	77244	1044	PICKUP-2012 DOWD P154	1	18.99	3.00	200210	202.05		
1206/2014	20041	2417	ALL ON MARKAN		15.78	3 55	6.05 64			
13.00/2016	water.	1000	DACKING AND CAT ONE	1	41.75	3.64		\$154.13		
12/07/07/0	22241	1400	NAR ISSNE		22.42	3.64	\$54.08	307434		
12462016	22542	1000	DEMOTORINE CONCERNENCE		104.01	3.64	2010/1	15147-00		
12/0/2010	91043	1342	NORTON STEVE A		23.42	3 55	5.00 80	Acres in a		
12/0/2016	10145	1042	EXCAVATOR - WHEELED	1	148.40	3.64		\$321.22		
12/02/2016	73247	1000	RALFIES WELLAND		23.42	1.99	\$54.00	20110		
Larm and PR	14421	1.000	TATING HILFORD K		40.04		304000			

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date	10.14	14	Description	Rate 14	Rate	(lains	Res Cost	Las Cost	Mat Cost	Con Cost
Project bil -28-062	LIBOW M	AINTEN	ANCE-DRAINAGE,DITCHSHO	ULDER			a sup case	L-pt Com	Stat Case	
Boad Id - 0000	114+ BUD	UMPHR	EY BOAD	C. C. C. C. C.						
Activity 14 J.9	0 Ditching									
Road District	1.4									
12/8/2016	72257	1035	DUMP TRUCK-2003		45.15	2.50		\$112.88		
13/8/2916	72257	1144	REARD ERIC W	3	24.40	2.50	\$61.00			
12/8/3016	72257	0952	DUMP TRUCK-FLATBED	- L.	45.41	2.50		\$113.53		
12/6/2016	72257	1124	KURN RICHARD A	0	37.75	2.50	\$69.38			
12/8/2016	72257	1055	PICKUP-2012 FORD F150	- E.S.	18.59	2.50		546.48		
13/8/3016	72257	1000	TRAILER-2009	1.1	12.47	2.50		\$30.08		
12/0/2016	72257	1001	DUMP TRUCK-2010	- F.	47.93	2.50		5119.83		
12/12/2016	73259	1124	KENN RICHARD A		27.75	4.00	\$111.00			
12/12/2016	12259	1055	PICKUP-2012 FORD F158		18.59	4.00		\$74.36		
12/12/2016	72259	1217	NORTON STEVE A	- A.	23.93	5.00	\$119.60			
12/12/2016	72259	1052	ENCAVATOR-WHEELED	1 E	148.89	5.00		\$243.45		
12/12/2016	72259	1144	HEARD ERIC W		24,40	5.00	\$122.00			
12122516	72259	0952	DUMP TRUCK-FLATBED	- U	45.41	5.00		\$221.85		
12/12/2014	72259	1583	SALERS WILLIAM R	3	21.62	5.00	\$108.10			
12/13/3014	72239	1020	DUMP TRUCK-2003	- F	-45.15	5.00		\$225.75		
12/13/2016	72260	1217	NORTON STEVE A	0	23.92	3.00	\$71.76			
12/13/2016	72268	1052	EXCAVATOR-WHEELED	- E -	148,69	3.99		\$446.07		
12/13/2016	72260	1581	SALERS WILLIAM R		21.62	3.00	564.86			
12/13/2016	77268	1020	DUMP TRUCK-2009	1	45.15	3.00		\$135.45		
12/13/2016	72260	1144	HEARD ERIC W	3	24.40	3.00	\$73.20			
12/13/2016	72268	0952	DUMP TRUCK-FLATHED	1	45.41	3.00		\$136.23		
12/13/2016	72260	1524	KUHN RICHARD A		22.25	3.00	\$83.25			
12132016	72268	4055	PICKUP-2012 FORD F150		18.59	3.00		\$\$3.77		
15/14/2016	72261	2521	HELL AMOS		20.27	2.50	\$50.68			
13/14/2016	72264	1043	BACKHOE-2013 CAT 430F	- E	41.23	2.50		\$154.33		
12/14/2016	71261	2942	SHEELER DAVID	3	06.77	2.50	\$43,39			
12/34/2016	72264	1069	DUMP TRUCK-2016 MACK	- F.	104.83	2.50		\$262.00		
12/14/2016	72261	0629	RELLEY DONALD R		30.17	2.50	\$75.43			
12/14/2016	72268	0983	PECKUP	1	14.93	2.50		\$37,33		
12/14/2016	73261	1927	ALLEN JORDAN	3	06.36	2.50	\$40.95			
12/14/2016	72268	1040	BACKHOE-2013 CAT 430F	1	64,73	2.50		\$154.33		
12/14/2016	72261	1491	NAIL JAMES	3	22.43	2.50	\$56.08			
13/14/2016	72368	1068	DUMP TRUCK-2016 MACK	1	104,81	2.50		\$262.05		
12/14/2016	72261	1217	NORTON STEVE A		23.92	2.50	\$59.86			
12/14/2016	72264	1052	EXCAVATOR-WHEELED	- L.	148.69	2.50		\$371.73		
13/14/2016	72261	1581	SALERS WELLIAM R	3	21.62	2.50	\$54.05			
12/14/2016	72364	1020	DUMP TRUCK-2000		-45.15	2.50		5012.88		
12/14/2016	72261	1144	HEARD ERIC W	3	24.49	2.50	\$61.00			
13/14/2016	72264	0952	DUMP TRUCK-FLATHED		45.41	2.50		\$113.50		
13/14/2016	72261	1524	KUIIN EICHARD A	- P.	22.25	2.50	\$59.38			
12/14/2016	72264	1055	PICKUP-2012 FORD F150	1.1	18,59	2.50	1111	\$46.48		
12/15/2014	72263	1524	KUHN RICHARD A		27.75	5.00	\$138.75			
12/15/2016	72262	1055	PICKUP-2012 FORD F150	1	18,59	5.00	192323	\$92.95		
12/15/2016	72263	1217	NORTON STEVE A		23.92	10.00	\$239.26			
12/15/2016	72262	1052	EXCAVATOR-WHEELED	- E	148.69	18.90		\$1,486.59		
12/15/2646	72262	1144	HEARD ERIC W	3	24.40	18.00	\$244.00	1		
12/15/2016	72262	0912	DUMP TRUCK-FLATBED	- E.	45.61	18.00		\$454.10		
13/15/2016	72263	1381	SALERS WILLIAM R		21.63	10.00	3216.20			
12/15/2014	72262	1620	DUMP TRUCK-2003	1.5	45,15	18.00		\$451.50		
Read 1d - 0002	HT-C BUFF	ENGTO	N ROAD							
Activity Id. 350	6 Ditching									
Read District	f-3									
3/36/2017	72336	1217	NORTON STEVE A	P	24.29	3.00	\$72.60	36.77		
3/36/2017	72336	1052	EXCAVATOR-WHEELED	1	148.69	3.00	2239.5	\$446.07		
3/36/2017	72536	1104	HEARD ERIC W	3	24.69	3.00	\$74.07			
PA	AGE 46 OF	98				E	TOWAH COUN	TY - DOCUME	NT SET 4-2	

41 of 53

Date	DJM	14	Description	Rate M	Rate	Units	Day Cost	Equ Cost	Mat Cost	Case Cas
Project 34 -28-802	IROW M	UNTEN	ANCE-DRAINAGE, DITCH, SHO	ULDER						
Road Id - 0002	17-: BUFI	INGTO	N ROAD							
Activity M 350	Disching									
Road Destroit	-3	1000	THE R. P. LEWIS CO., MILLSRY, MILLSRY,	1.0	1000	2.00		Pille all		
5160317	72000	1067	DUMP TRUCK-JOIN MACK		106.81	1.00	-	2014/40		
3/29/2011	723.99	1217	NORTON STEVE A		24.29	16.00	1547.00			
3/20/2017	72339	1052	EXCAVATOR-WHEELED		148.09	10.00		31,481.90		
3/20/2017	72339	1106	HEARD ERIC W		24.69	18.00	\$246.90			
3/29/2917	72339	1097	DUMP TRUCK-2010 MACK		104.81	18.00		\$1/04E-10		
3/22/2017	72341	1524	KURN RICHARD A	3	27.90	1.00	\$83.70			
3/22/2917	72343	1055	PICKUP-2012 FORD F150		18.86	3.00	1000	\$56,58		
3/22/2917	72341	1217	NORTON STEVE A	1	24.29	7.00	\$121.00			
30220917	72548	1052	ENCAVATOR-WHEELED	1	148.69	5.00		\$243.45		
3020917	72540	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			
3020917	72340	1067	DUMP TRUCK-2016 MACK		304.81	3.00		\$524.05		
Road Ed - 0002	18-; BULI	C BIOFE	OW BOAD							
Activity 1d 250	Ditching									
Road District	-4									
1/03/0011	72299	2527	ALLEN FORDAN	3	16.54	2.88	\$33.09			
103/0017	22290	1040	BACKHOE-2015 CAT-400F	t	41.73	2.00		\$123.46		
1030017	73290	2942	SHEELER DAVID	1	16.92	2.00	\$33.84			
1/23/2017	72290	1069	DUMP TRUCK-2016 MACK	1	104.85	2.00		\$209.62		
103/0017	73298	1491	NAIL JAMES	8	22.74	2.00	\$85.42			
1/23/2017	72290	1068	DUMP TRUCK-2016 MACK	1	104.83	2.00		\$209.62		
1/23/2017	72290	1000	TRAILER-2009	1.1	12.47	2.00		\$24.54		
103/0917	72290	1001	DUMP TRUCK-2010	1.0	49.36	2.00		\$98.72		
Road 1d - 0002	26-1 BUR)	FON CU	TOFF			1999				
Activity 1d 350	Dicking					÷				
Road District	-4									
10/13/2016	72268	1217	NORTON STEVE A	1	23.92	4.00	\$95.68			
12/13/2016	72260	1052	EXCAVATOR-WHEELED	1.1	148.69	4.00		\$594.76		
12/13/2016	72268	1501	SALERS WELLIAM R	3	21.62	4.00	\$86.48			
12/13/2014	72240	1000	DUMP TRUCK-2003	1.1	45.15	4.00	120.5	\$180.00		
12/13/2016	77268	1144	HEARD FRIC W		24.40	4.00	\$97.60	2020		
12/13/2016	72260	0952	DEMP TRUCK-PLATNED	1.1	45.41	4.00		\$181.64		
END WHEEK	22268	1554	KERIN RECHARD A		27.75	4.00	\$111.00			
12/13/2014	77740	1055	PROKED-2012 FORD F150	1	18.59	4.00		\$24.36		
Read 1d - 0002	M. BUNI	ER WIE	LETTROAD							
Activity \$1 250	Distant		and a provide							
Read District										
12/15/2010	22248	2421	HELL AMPLYS		20.77	2.98	\$20.68			
12/22/20/2014	99546	1043	BACKING-MISCATAME	1	41.75	1.45	100000	0.9.11		
12/2/20/20/20	22248	2412	ENERGY ER TRAVED		16.97	3.60	501.03	40.75.00		
12/22/2010	77744	1060	DEMETHICK, 2016 MACK	1.0	164.83	3.60	3413.55	\$243.03		
11/12/2010	01048	0470	ATTLEY DOMALD P		30.17	3.55	875.43	-		
a bet house and	000.00	0081	POTEN P	1.1	14 93	3.55	40.0.79	832.33		
1010000	777748	1000.0	LEAST ADDRESS		30.77	1.00	500.00			
121322915	72200	1000	BLCRING SHI CAT THE		21.21	3.00	200.00	F100 10		
10150000	12290	1040	EACKING-2013 CAT 408	- 22	64.73	3.00	0.00 10	3480.17		
12153016	72200	2912	SPECIER DAVED		10.77	3.00	350.34	10111-00		
1213/2016	72299	1009	DUMP TRUCK-2016 MACK	1.5	104.81	3.00	200.00	2014.40		
12/1.5/2046	7,2268	0679	RELETA DORALD R		30.17	3.00	200.31			
10.17/2019	72260	0983	PREMUP		14.93	3.90	and a lot	544.79		
7/28/2012	71346	1211	ALLEN KORDAN		05.54	1.00	549.64	Canal Section 2		
7/28/3011	72546	1044	EXCAVATOR-2015 CAT 3140	1.1	162.59	3.00		3,307.77		
3/38/3017	72546	1000	TRAILER-2009	1.5	12.47	1.00		\$37.41		
3/28/2917	72346	1001	DUMP TRUCK-2010	1 C	49.36	3.08		\$148.08		
3/28/2017	72346	1491	NAL JAMES	3	22,71	3.00	568.13	10000		
3/28/2017	72346	1068	DUMP TRUCK-2016 MACK	1.1	104.81	3.08		\$314.43		
Road Id - 0002	32+ BLZ2	CARD RO	OCK ROAD							

Date	DIM	м.	Description	Hate M	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Cos Cost
Project Id -38-002 Road Id - 0002	LINOW MU	AINTEN/	ANCE-DRAINAGE, DITCH, SHO OCK ROAD	ULDER						
Activity 1d 350	0 Ditching									
Houd District	-4									
13/14/2016	72261	2521	HELL AMOS	3	20.27	1.59	\$50.41			
12/94/2006	72264	1043	BACKHOE-3015 CAT 438F	1	41.23	1.50		\$92.60		
12/94/2016	72261	2512	SHEELER DAVID	5	06.77	1.50	\$25.16			
13/14/2016	72261	1069	DUMP TRUCK-2016 MACK	1.1	104.81	1.59		\$157.22		
12/14/2016	72261	0679	KELLEY DONALD R	3	30.17	1.55	\$45.26			
12/14/2016	72263	0983	PICKUP	1	14.93	1.50		\$22.49		
12/14/2016	73261	2527	ALLEN JORDAN	3	16,38	1.50	\$24.57			
12/94/2006	72268	1040	RACKHOE-2015 CAT-KHIF	1.1	64.73	1.50		\$92.68		
12/14/2016	72261	1491	NAIL JAMES	5	22.43	1.58	\$33.65			
12/14/2016	72260	1068	DUMP TRUCK-2016 MACK	1.1	104.81	1.59		\$157,22		
12/14/2016	72261	1217	NORTON STEVE A	3	23.92	1.59	\$35.88			
13/14/2016	72261	1052	EXCAVATOR-WHEELED	- E.	148.69	1.50		\$223.04		
12/14/2016	72261	1.583	SALERS WILLIAM R	3.	21.67	1.59	\$32.40			
12/14/2016	72265	1020	DUMP TRUCK-2003	1 C	45.15	1.55		\$67.73		
12/14/2016	72261	1144	HEARD ERIC W	3	24.40	1.50	\$36.66			
12/14/2016	72268	0952	DUMP TRUCK-FLATBED	1.1	45.41	1.59		564.12		
12/14/2016	72361	1524	KUNIN RICHARD A	3	27,75	1.55	\$41.63			
12/24/2016	72264	1055	PICICLP-2012 FORD F150	1	18.59	1.50		\$27.89		
Head Id - 0002	HI- CAM	PBELL	GAP ROAD							
Activity 51 251	Disching									
Road District	-1									
12/1/2016	72253	0027	BRYANT JERRY A	3	29.89	3.00	\$89.47			
12/3/2016	72252	0997	DUMP TRUCK-2008	1.1	47.19	3.00		\$141.57		
12/1/2016	73253	1809	PERKINS ROGER L		21.49	3.00	\$54.47			
12/1/2016	72252	1000	DUMP TRUCK-2006		46.55	3.00		\$139.05		
12/1/3916	72253	2128	CATTLING LEVAR	3	18.81	3.00	\$56.43			
12/1/2016	72252	0943	PICKUP-2001 DODGE BAM	1.5	13.79	3.00		\$41.37		
12/1/2010	72292	1042	BACKHOE-2013 CAT 400F	1 C	.64.73	3.00		\$185.19		
1/17/2017	72286	0027	BRYANT JERRY A	3	30.20	3.00	399.60			
1/17/2017	72286	0997	DUMP TRUCK-2008	1.	49.36	3.00		\$346.08		
1/13/2017	77,286	1041	BACKHOE-JOIS CAT 438F	8 C	61.73	3.00		\$185.19		
1/17/2017	72286	2597	GRANGER BRUCE	2	18.84	3.00	\$56.52			
1110011	72286	0981	PICICUP		18.86	3.00		\$56.58		
1/17/2017	72286	1809	PERKINS ROOFER L		21.78	3.00	\$65.34			
1/12/2017	72296	1065	DUMP TRUCK-2016 MACK	8.	104.81	3.00		\$314.43		
2/1/2017	72298	1259	FROST RANDALL C	3	30.54	3.09	\$91.62			
2/1/2017	72298	0997	DUMP TRUCK-2008	1	49.36	3.00		\$148.08		
2/1/2017	72298	1909	PERKINS BOORR L	3	21.78	3.00	\$65.34			
2/1/2017	72296	1029	DUMP TRUCK-2006	1.1	49.36	3.00		\$148.08		
2/1/2017	72298	2107	GRANCER BRUCE	3	15.84	3.00	\$56.12			
2/1/2017	72298	0981	PICKUP	1.5	18.86	3.00		\$56,58		
3/16/2017	72313	0027	BRYANT BERY A	3	30.20	5.00	\$70.60			
2/16/2017	72341	0998	DUMP TRUCK-2008 GMC	1.5	49.36	3.00		\$148.08		
2/16/2017	72341	1809	PERKINS ROOFIEL	3	21.78	3.00	\$65.34			
2/16/2017	72311	1029	DUMP TRUCK-2006	1.5	49.36	3.00		\$148.08		
2/16/2017	22311	1011	BACKHOE-3015 CAT 410F	8	65.73	3.00		\$185.19		
2/16/3017	72911	43.99	FROST RANDALL C	3	30.54	3,00	\$91.62			
2/16/2017	72311	1054	PICKUP-2012 FORD F150	1.1	18.86	3.00		\$56.58		
Road Id - 0063	214 COA	LEED ID	OLLOW BD							
Activity M 350	• Ditching									
Road District	-1									
15/3/2016	72213	1150	GUTHERY THOMAS	3	29.95	10.00	\$309.50			
10/302016	72233	1053	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
16/3/2016	72233	2515	STOWERS SHEA	3	20.48	10.00	\$304.80	Sec.		
10/10916	77233	1029	DUMP TRUCK-2006	1.	46.35	10.00		\$463.30		
PA	GE 48 OF	98	a private static static set of the			F			NT SFT 4-2	
г <i>-</i>		50				Ē				

Date	113 14		Description	Rate 1d	Rate	Units	Emp Cent	Equ Cost	Mat Cost	Con Car
Project M -28-002 Band M - 0903	HOW MU	UNTEN-	ANCE-DRAINAGE.DIFCR.SH	OULDER		214.000			n. N. Unit (1)	
Autom M 350	Disking.									
Read District										
11/7/78106	33255	7156	CARROLI MARCES		12.83	15.00	4178.35			
11/1/10/10/10	2222.0	0816	PROVIDE PROVIDER		11.20	10.00	3414.74	\$117.60		
Bund Ld . 0002	48. COA	TO DE N	CIRCLE	A	10.19	10.04		400000		
Associate 14, 200	Disching	15 66.70	or Cancelle							
Accordy to accord	a second									
August Description			DRAME BURNES		100.00	1.00	780.47			
10/27/2020	10000	9027	DR.TANT JEAN TA		47.50	3.00	340.87	4141 42		
10/27/2010	74449	10007	DUMP TRUCK-2008		40.19	3.00		31.01.21		
10/27/20/06	202223	1000	DULIDOS CLAUDE C		104.00	3.00	822.00	871.6.67		
10/27/2000	74440	1084	DOMP TRUCK-2016 SDO.K.	10	209.81	4.00		5014.45		
10/27/2010	1000	1942	BACKIRDE-2915 CAT 459P		61,73	4.00		3216.92		
Hand Id - 0000	SPI COL	IN GA	ROAD							
Activity 14 July	Disching									
Boad District	-		territori de la constanción de la const		1000	12200	And the second			
1062917	72299	0627	BRYANT JERRY A		30.29	3.00	\$90.60			
1303913	72295	0997	DUMP TRUCK-3008		49.36	3,00		\$148.08		
100/2011	72299	1899	PERKINS ROGER L		31.78	3.00	\$63.34			
1060917	72295	1029	DUMP THUCK-2006		49.36	3.00		\$148.08		
1303017	73295	2397	GRANGER BRUCE	9	18.84	3.00	\$56.52			
1/96/2017	72295	0943	PICKUP-2001 DODGE RAM		14.42	3.00		\$43.26		
1/36/2017	72299	2323	SEARS MARQUETTE	2	16.54	2.00	\$49.62			
1/36/2017	72295	1041	BACKHOE-2015 CAT 400F		61.73	3.00		\$185.19		
2/6/2017	72302	1117	WASHINGTON ROBERT E		27.93	3.00	\$83.79			
2/6/2017	72302	1005	TRUCK-2007 FORD F150	- E .	18.86	3.00		\$56.58		
2/6/2017	72302	0027	BRYANT JURRY A	3	30.20	3.00	\$90.60			
246/2017	72302	0997	DUMP TRUCK-2008		49.36	3.09		\$148.08		
2/6/2017	72302	2315	STOWERS SHEA	3	20.63	3.00	\$61.86			
2/6/2017	72300	1016	BROOM	1.1	41.06	3.00		\$123.18		
2/6/2017	72342	1809	PERKINS ROGER L	3	21.78	3.00	\$63.34			
246/2017	72,802	1029	DUMP TRUCK-2006		49.36	3.00		\$148.08		
3/6/2017	72302	2597	GRANGER BRUCE	3	18.84	3.00	\$56.32			
246/2017	72562	0981	PICKUP	8.1	18.86	3.00		\$56.58		
296/2017	72,902	2328	CATTLINGLEVAR	5	19.01	3.00	\$57.00			
246/2017	723402	1041	BACKHOE-2013 CAT 4DIF	1.1	61.73	3.00		\$185.79		
2/28/2017	72321	1359	FROST RANDALL C	3	30.54	10.55	\$305.40			
2080017	72321	1054	PICKUP-2012 FORD F150		18.86	10:00		\$188.00		
228/2017	72321	0027	BRYANT JEREY A	3	30.20	10.00	\$302.00			
2080017	72321	0997	DEMP TRUCK-2008		49.56	16:00		\$493.60		
2262917	72328	1047	BACKHOF-MUSICAT KHE	1.1	61.73	10:00		\$617.30		
1080017	72529	1809	PERENS ROCER L	3	21.78	10.00	\$217.80			
3/28/2017	72121	1065	DUMP TRUCK-2016 MACE	1.1	104.81	10.00	4977.000	STAR IN		
1/26/2017	22220	1110	MUTIATINA CHARLES K		24.22	10.00	4342.20			
2018/2017	771114	0981	PCCLP		18.86	10.00		\$188.65		
1080017	21111	1201	TURNER ADDIAN I		24,20	16.50	3342.00			
Book Id - (0000)	NU CONT	CERTIN	CS BOAD		29.00	10.00	34742-000			
Autoria 14 140	minddane.	- ar mar	as more							
Activity in also										
Road District	and the second		MARKED CONTRACT		20.00	4.04	4110.00			
100112010	12238	1287	PROBATION STEVE A		20.92	3.00	\$119.80	and the		
10/31/2016	12236	1002	EXCAVATOR-WIEILED		148.09	5.00		\$745.45		
10031/2016	72226	1381	SALERS WILLIAM R	3	21.62	5.09	3298.10			
10/31/2016	77236	1029	DUMP TRUCK-2003		45.15	1.00		\$425,75		
10/31/2016	72229	1324	EURIN RICHARD A	3	27,75	1.00	\$138.75			
19/31/2016	72226	1055	PICKUP-2012 FORD F150	Π.	18.59	5.00		892.95		
10/31/2016	73236	1144	HEARD ERB, W	3	24.60	3.00	\$122.00	2-3-5-5		
38/91/2016	72226	1067	DUMP TRUCK-2016 MACK	1 C	106.81	5.00		\$324.05		
Housd Ld - 00037	754 COX	GAP BO	AD							

					1446	101-101	100000000	1101000	1000	1999.02
Date	DIM	м.	Description	Rate M	Rate	Units	Emp Cod	Equ Cost	Mai Casi	Cas Cas
Project ld - 28-002 Road Ld - 0062	1180W M	GAP BO	ANCE-DRAINAGE,DETCH,SBR DAD	HIDER						
Activity 14 200	# Divising									
Road District	1-3									
12/19/2016	72263	2527	ALLEN JORDAN		16.38	2.00	\$12.76			
12/19/2016	72265	1040	BACKHOE-2015 CAT 430F	1	41.73	2.60		\$123.46		
12/19/2018	72265	1000	TEALER-2009		12.47	2.00		\$24.94		
12/19/2016	72265	1001	DUMP TRUCK-2010		47.93	2.00		\$95.86		
12/19/2016	22265	1491	NAIL JAMES	1.1	22.43	2.00	\$44.86			
12/19/2016	72265	1068	DEMP TRUCK-2016 MACK	1	104.83	2.60	1000 C	\$209.62		
12/19/2014	77265	2421	HELL AMONG		20.77	2.00	\$40.54			
12192016	72245	1041	BACKING-2015 CAT COF	1	41.73	2.00		\$123.44		
abreache an	22348	2112	NEEDELER DAVES		16.77	2.00	\$33.54	-		
12/19/20164	TYDES	1069	TRIMP TRUE - 2016 MACK		104.81	2.00		\$200.62		
174520446	2214.8	1347	NOPTON STEVE A		21.02	1.00	647.84			
Victoria Contra	20100	1007	ENCASE TOR. BUILDED		100.00	1.00	440.84	\$100.18		
101002010	22248	1004	CALIFORNIA DE LA LA D		21.47	2.00	443.34			
12119/2016	10100	1000	SALERS WELEVANIA		21.00	2.00	340.24	400.30		
101903010	12,289	1020	DUMP TRUCK-2009		45.15	2,00	1.00 0.0	. 200.30		
101262010	10,280	1006	HEARD ERG. W		24.49	2.00	348.00	distance in the		
13/15/2016	72285	1057	DUMP TRUCK-2005 MACK		104.83	2.00		2000.02		
12/21/2016	72267	2927	ALLIN KRDAN		10.38	3.90	248.14			
12/21/3019	72367	1040	BACKHOE-2015 CAT 430F		61.79	3.00		3185.19		
12/21/2010	72267	1000	TRAEES-2009		12.47	3.90		107.41		
13/37/3016	72367	1003	DUMP TRUCK-2009	1.1	47.93	3.00	Sec. 20	\$140,79		
12213016	72267	1491	NAIL JAMES	0.80	22,43	3.00	\$67,29			
12/21/2016	72367	1068	DUMP TRUCK-2006 MACK	1	104.83	3.00	2.5	\$304.43		
3/36/2017	72348	1524	KUTEN ERCHARD A	3	27.90	2.50	\$69.75			
3/30/2017	32348	1055	PICKUP-2012 FORD F150	1	18.86	2.50		\$47.15		
3/30/2017	72348	3527	ALLEN JORDAN		16.54	2.50	\$41.36			
3/36/2017	72348	1040	BACKHOE-2015 CAT 430F	1	61.73	2.50		\$154.35		
3/30/2017	72348	2512	SHETLER DAVID		16.92	2.50	\$42.30			
3/30/2017	72348	1072	TRUCK-2011 FORD F550	E	24.57	2.50		\$61.43		
3/30/2017	72348	1000	TRAELER-2009	E	12.47	2.59		\$31.18		
3/36/2017	72348	1001	DUMP TRUCK-2000	1	-49.36	2.50		\$123.40		
3/30/2017	77348	1491	NAB. JAMES		22.99	2.50	\$16.78			
Read 1d - 0003	TT- CRA	NE CIRC	3.6							
Activity Id. 350	0 Disching									
Read District	-1									
12/7/2016	72296	2524	CARROLL MARCUS	3	17.83	1.00	\$17.83			
12/2/20144	72256	0998	DUMP TRUCK - 2008 CMC	1	47.19	1.00		\$47.19		
12/339446	72236	2505	CEPSON ADAM		19.68	1.00	\$19.60			
12/3/2014	72256	1829	DUMP TRUCK 2006	1	46.33	1.00		\$46.35		
12/320346	72256	1513	SEARS MAROURTTE	1.1	16.45	1.00	\$16.41			
12/2/2014	72256	0581	PICKUP		18.31	1.00	40000	\$18.31		
12/20846	72254	11555	CRITICERY TREMAS		20.94	1.00	\$26.95			
10/0/00046	79744	1043	ENCAVATOR-WHELET	1.1	148.69	1.00		\$148.69		
12/20/04/16	20244	1408	DETTION CLAUDE C		18.45	1.00	\$18.40	4110.00		
12/202046	75104	1044	PARTY AND TRUEY, MARANE		104 41	1.00		5104.01		
12/2/2018	222.20	2004	Proventing states		20.48	1.00	120.41			
1277/2010	72370	1015	TRUCK, MAR DOND DUD		20.40	1.00	320.48	#11.ex		
107/2016	72376	1000	TRUCK		21.92	1.00		643.72		
12/7/2016	10120	1041	BALKHOD-2015 CAT 458		64.35	1.00		340.50		
12/3/2014	12236	2528	CATTLING LEVAR		18.81	1.00	518.81			
12/1/2016	72336	1214	WINN PUBBIA F		10.00	1.00	216.85			
Record 1d + 0983	914 CILO	SBY BOA	110							
Activity Id 350	p Disching									
Read District	1.4									
1/9/2017	72280	1490	NUL TAMES		22.71	2.50	\$56.78			
1/9/2017	72380	1068	DOMP TRUCK-2004 MACK	1	104.83	2.50	201835	2262.03		
1485011	772189	2527	ALLEN JORDAN	3	16.54	2.50	241.36			
PA	AGE 50 OF	98				E	TOWAH COUN	TY - DOCUME	ENT SET 4-2	

Date	DJ M		Description	Rate Id	Rate	tisits	Emp Cost	Equ Cost	Mat Cost	Can Cast
Project M -28-082 Road Ed - 9900	HROW M.	AINTEN/	ANCE-DRAINAGE.DITCH.SHO AD	RIDER						
Activity 1d 350	0 Disching									
Road District	-4									
1/5/3917	72280	1040	BACKHOE-2013 CAT 4MF	- E -	61.73	2.58		\$154.33		
15/2917	72280	1000	TRAILER-2009	1	12.47	2.50		\$31.18		
3/9/2017	71280	3000	DUMP TRUCK-3H10	1 C	49.36	2.58		\$123.40		
Boad Ed - 0004	21+ DEE	HICKS I	ROAD							
Activity 14, 350	b Ditching									
Read District	-4									
1/19/2817	72288	1217	NORTON STEVE A)	24.20	5.00	\$121.00			
1/19(2017	72288	0.932	EXCAVATOR-WHEELED	1.2	148.69	5.00		\$743.45		
1/19/2017	72288	1581	SALERS WILLIAM R	3	21.90	3.00	\$389.58			
1/15/2017	73288	0952	DUMP TRUCK-FLATHED	1.	49.36	1.00		\$246.80		
U192817	32288	1144	HEARD ERIC W	3	34.69	4.09	\$98.76			
1/1909iT	72248	1967	DUMP TRUCK-2016 MACE	1.	104.81	4.00		\$419.24		
1/24/2817	72294	1217	NORTON STEVE A	3	34.20	1.00	\$121.00			
1/24/2017	72291	1052	ENCAVATOR-WHEELED	1.5	148.69	5.00		\$743.45		
1/24/2017	32291	1.181	SALERS WILLIAM R	3	23.90	3.00	\$109.50			
1/24/2017	72291	8952	DUMP TRUCK-FLATBED	1	49.36	5.00		\$246.90		
1/24/2017	72291	1144	REARD ERIC W	3	24.69	3.00	\$123.45			
1/24/2017	72291	1067	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$324.05		
1/25/2917	73293	1217	NORTON STEVE A	3	34.20	10.00	\$2.42.00			
103/2917	72292	1052	EXCAVATOR-WHEELED	1.1	148.69	10.00		\$1,486.99		
1/25/2017	73293	1581	SALIERS WILLIAM R	5	21.90	10.00	\$219.00			
1/25/2017	73292	0952	DUMP TRUCK-FLATRED	1.1	49.56	10.50		\$493.68		
1/25/2017	72290	1144	HEARD ERSC W	3	24.69	10.00	\$246.90			
1/25/2017	72292	1067	DUMP TRUCK-2016 MACK	F	104.81	10.00		\$1,948.19		
1/26/2017	72290	1217	NORTON STEVE A	3	34.20	10.00	\$242.00			
1/26/2017	72299	1052	EXCAVATOR-WHEELED	1.1	148.69	10.00		31,486.50		
1060017	72293	1185	SALERS WELLIAM R	3	21.90	10.00	\$219.00			
1/06/2017	72290	0952	DUMP TRUCK-FLATHED	1.1	49.36	10.00		\$493.60		
1060017	72290	1104	HEARD FRIC W		34.69	10.00	\$346.90			
1/26/2017	72290	1067	DUMP TRUCE-2016 MACK	1.1	104.87	10.00	S 1997	\$1,048.10		
1062017	72296	1217	NORTON STEVE A	3	34.20	5.00	\$121.00			
1/36/2017	77295	1052	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
1/16/2017	72295	1144	HEARD ERIC W		24.69	5.00	\$123.45	33350		
1/39/2017	72295	1067	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$324.05		
1362017	72291	2512	SHEELER DAVED		66.92	3.00	\$84.60			
1/36/2017	72295	1069	DUMP TRUCK-2016 MACK	1.1	104.81	5.00		\$524.05		
105/2017	72296	1217	NORTON STEVE A	8	14.20	3.00	\$72.60			
101/0017	77296	1052	EXCAVATOR-WHEELED	1	148.69	3.00		\$446.00		
101/2017	72296	1144	HEARD ERIC W	2	24.69	3.05	\$74.07			
1/35/2017	72296	1067	DUMP TRUCK-2016 MACK	1.1	104.81	3.00		\$314.43		
1/31/2012	73296	2512	SPEELER DAVED		16.92	3.00	\$50.76			
1010017	72296	1069	DEMP TRUCK-2016 MACK	1.1	104.81	3.00	100000	\$314.41		
Road 1d - 0004	DEE	NIX RO.	AD		22.222	100.25		2002042		
Activity 1d 340	Dishing									
Read District	-4									
12/14/2016	72261	2921	HELL AMOS		29.27	1.50	\$30.41			
13/14/2014	72264	1043	BACKHOE-2015 CAT 409F	1	68.73	1.50		\$92.60		
12/14/2016	72261	2512	SPECIER DAVID		86.22	1.90	\$25.15			
12/14/2014	72244	1049	DUMP TRUCK-2018 MACK	1	104.81	8.90		\$157.22		
12/14/2014	72264	0679	RELETY DONALD IN		30.17	1.50	545.36			
12/14/2016	72768	0983	PICKEP	1	14.91	1.50		\$22.40		
12/14/2016	72264	2422	ALLEN KIRDAN	1	16.38	1.90	\$24.43			
12/14/2014	72264	1040	BACKHOE-2015 CAT 430F	1.1	64.73	1.50		\$92.60		
12/14/2014	72544	1491	NAR IAMES		22.43	1.90	\$33.65	2000		
12/24/2016	77764	1048	DEMP TRUCK 2016 MACK		LOL N1	1.50		\$257.22		
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ETOWAH COUNTY - DOCUMENT SET 4-2

10000		100		1000	6233	1015				12.000
Date	DJ 14	N	Description	Bate M	Rate	Caits	Dep Cast	Line Cost	Mat Cost	Con Cost
Project 1d -28-882 Read 8d - 0004	22< DEE	MINTEN RO	ANCE-BRAINAGE,DITCH,SIIO AD	HLDER						
Activity M 35	0 Disching									
Boad District										
13/14/2016	72364	1217	NORTON STEVE A	3	23,92	1.50	\$35.98			
12/9/4/2016	72264	1052	EXCAVATOR-WHEELED	1.5	141.69	1.59		\$223.04		
12/14/2016	12261	1563	SALERS WILLIAM R)	21.82	1.59	\$32.43			
12/34/2016	72261	1030	DUMP TRUCK-2003		45.15	1.50		\$67.73		
13/14/2016	72361	1144	HEARD ERIC W	3	24.40	1.50	\$36.60			
12/14/2016	72261	-0952	DUMP TRUCK-FLATHED	1. C	43.43	1.59		568.12		
12/14/2016	32361	1534	KURIN RICHARD A	3	27.25	1.50	\$41.63			
12/14/2016	72261	1055	PICKUP-2012 FORD F158	8	18.59	1.59		\$27.89		
12/15/2016	72362	1491	NAE, JAMES	3	22.43	4.00	\$89.72			
13/15/2016	72262	1068	DUMP TRUCK+2016 MACK	- B. C.	104.81	4.00		\$419.24		
12/15/2016	32362	2522	ALLEN JORDAN	3	16.38	4.00	\$65.52			
12/15/2016	72262	1045	BACKHOE-2013 CAT 4D0F		63.75	4.00		\$346.92		
12/15/2006	72263	1000	TRAILER-2009	- E.S.	12.47	4.00		549.88		
12/15/2016	71261	1001	DUMP TRUCK-2010	1.5	47,95	4.00		\$291.72		
12/19/2016	32265	2527	ALLEN JORDAN	3	16.58	2.09	\$32.76			
12/19/2016	72268	1040	BACKHOE-2015 CAT 406F	1.5	61.73	2.09		\$123.46		
12/19/2016	73265	1000	TRAILER-2009	1.1	12.47	2.09		\$24.94		
12/19/2016	72268	1000	DUMP TRUCK-2010	- E	47.93	2.09		\$95.85		
12/19/2016	72265	5491	NAIL JAMES	3	22.43	2.09	544.86			
12/19/2016	72265	1068	DUMP TRUCK-3016 MACK	1	104.81	2.00		\$209.62		
12/19/2016	72265	2121	HEL AMOS	3	29.77	2.00	\$40.54			
12/19/2016	73265	1043	BACKHOE-2013 CAT 4NIF	1.1	60.73	2.69		\$123.46		
12/19/2016	72263	2512	SHEELER DAVID	8	46.77	2.09	\$33.54			
12/19/2016	72265	1069	DUMP TRUCK-2016 MACK		104.81	2.08		\$209.62		
12/19/2016	72265	1217	NORTON STEVE A	3	23,92	2.00	\$47.84			
12/19/2016	72268	1052	EXCAVATOR-WHEELED	1.5	148.69	1.09		\$297.38		
12/19/2016	72265	1543	SALERS WILLIAM R	3	21.82	2.09	\$43.24			
12/19/2016	72268	1020	DUMP TRUCK-2003	1.1	45.15	2.09		\$90.38		
12/19/2016	72265	1144	HEARD ERIC W	3	24.40	2,00	548.80			
12/19/2016	72268	1067	DUMP TRUCK-2016 MACK	1.1	104.83	2.00		\$309.62		
Hoad Id - 0004	524 DOU	BLEAC	INCLE							
Activity 1d -350	f Ditching									
Road District	-3									
1/3/2017	72279	0679	KELLEY DONALD R	3	38.45	2.00	\$60.90			
1/5/2017	72215	0983	PICKUP		14.95	2.00		\$29.86		
6/9/2017	72278	2532	HUPP WALTER B		38.67	3.00	\$37.34			
1/9/2017	72275	0903	PICICUP	1.5	18.07	2.00		\$36.14		
1/5/2017	12275	2526	CARROLL MARCUS	3	18.38	2.00	\$36.76			
0/9/2017	72275	1040	BACKHOE-2013 CAT 4HIF	1.1	63.73	2.00		\$123.46		
6/9/2017	72275	2515	STOWERS SHEA	3	28.62	2.00	\$41.24			
1/9/2017	73275	1020	DUMP TRUCK-2003	1.1	45.15	2.99		\$90.30		
1/9/2017	92235	1000	TRAILER-2009	8.5	12.47	3.00		\$24.94		
1/9/2017	72279	1001	DUMP TRUCK-2010	8	47.95	2.00		\$95.86		
1/9/2017	72275	2534	WINN TOMMEL	3	15.19	2.09	\$32.38			
Read Id - 0004	ST- DUC	K SPRIN	GS ROAD							
Activity 3d -350	Ditching									
Road District	e-3									
12/15/2016	72260	2521	HELL AMOS	3	28.27	3.00	560.81			
12/13/2016	72268	1043	BACKIROE-3015 CAT-638F	1.5	61.73	3.00		\$185.10		
12/13/2014	72260	2512	SRIELER DAVID	3	16.77	3.00	\$50.31			
12/13/2014	72268	1069	DUMP TRUCK-2016 MACK	1.1	104.81	3.00		\$314.43		
12/13/2016	72260	0679	RELLEY DONALD R	1	38.17	3.00	390.51			
12/13/2016	72268	0963	PICKUP	1	14.93	3.00	1999 C	\$41.79		
12/15/2016	73263	2121	HELL AMOS	3	38.27	4.00	\$81.08			
12/15/2016	72262	1043	BACKHOE-JHIS CAT 414F	1.5	63.73	4.00	S2.066	\$246.92		
			A CONTRACT OF A					120000000		

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date	0.016		Description	Rate Id	Rate	Units	Emp Cost.	Equ Cost	Mat Cost	Con Cost
Project 5d - 28-002 Boad 5d - 0004	STROW M	AINTEN/	ANCE-DRAINAGE, DITCH, SHI KIS ROAD	ULDER						
Activity 14 JM	0 Ditching									
Road District	-3									
12/15/2016	72262	6479	KELLEY DONALD R	3	30.17	4.00	\$130.68			
12/15/2006	72263	0983	PICKUP		14.93	4.00		\$59.72		
15/15/2016	22362	2412	SHEELER DAVID		86.77	4.00	\$67.08			
12/15/2016	22263	1009	DRIMP TRUCK MILE MACK		104.81	4.00		\$419.24		
Band Id - 0004	25. EGM	PT MOU	NTAIN BOAD		10000	0.000				
Activity 54 .010	. Distance									
Read District										
1/16/3017	11111	1717	MORTON STEVELA		34.70	1.00	\$72.40			
2/16/2017	22343	LOCH	EXCAVATOR-WHEELED		148.00	3.00	410.000	\$145.07		
1060017	222.0.0	1104	HEARD UNC W		34.60	3.00	\$74.02			
104/0017	201010	1047	DEMOSTRENCE, SOLEMANCE		104.01	3.00		8314.45		
2/10/2017	Table 4	1007	NUMBER OF STREET		34.30	2.00	#17/c.mb	3010-00		
2/20/2017	22214	PART.	EXCAMPTOR MOTOR ED		1.25.00	5.00	- A1.11.00	1711.45		
2000/0017	10.044	1104	EMLAYATON-WHEELED		148.07	2.00		3740.00		
2/20/2017	7,0114	1144	HEARD ERE. W		28.59	5.00	3123/0			
2/20/2013	72304	8087	DUMP TRUCK-2015 MACK		100.01	5.00	1.1.0000000	3524.85		
7/20/2011	72314	1354	KUHN KICHARD A		27.90	3.00	2110.26			
2/20/2011	72314	1055	PICKUP-2012 PORD F150		18.90	3.00		294.30		
2373011	72315	1317	NORTON STEVE A		24,20	5.00	\$121.00			
2/3/2013	72345	1012	EXCAVATOR-WHEELED	1	148.09	5.00		\$243.45		
2/25/2017	72515	1383	SALERS WELLIAM R	3	21.90	5.00	\$109.90	22.23		
3/21/2017	72315	0952	DUMP TRUCEFLATHED	1	49.56	5.00		\$246.80		
2/31/2012	72315	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			
2/28/2017	72315	1067	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$534.65		
2/21/2017	72315	1124	KUHN RICHARD A		27.90	5.00	\$139.50			
2/21/2017	72345	1055	PICKUP-2012 FORD F150	- F.	18.86	5.00		\$94.30		
3/22/2017	72316	1217	NORTON STEVE A	3	24.29	10.00	\$242,00			
3/22/2017	72516	1052	EXCAVATOR-WHEELED	1	148.89	10.00		\$1,486.50		
3/23/2017	72316	1106	HEARD ERIC W	·	24.69	10.00	\$246.95			
2/22/2017	72316	1067	DUMP TRUCK-2004 MACK	E	104.81	10.00		\$1,048.19		
2/22/2017	72216	1901	SALERS WILLIAM R	3	21.90	18.00	\$219:00			
2/22/2017	72346	0952	DUMP TRUCK-FLATBED	1	49.36	18.00		\$493.60		
2/22/2017	72316	1324	KURN RICHARD A	3	27.90	10.00	\$279.00			
3/22/2017	72306	1055	PICKUP-2012 FORD F158	E	18.86	38.00		\$188.00		
2/23/2017	72517	1244	HEARD ERIC W	3	24.69	9.00	\$222.21			
2/23/2017	72817	1067	DUMP TRUCK-2016 MACK	1	104.81	9.00		\$943.29		
2/23/2017	72317	1217	NORTON STEVE A	3	24.29	10.00	\$242.00			
2/23/2017	72812	1052	EXCAVATOR-WHEELED	1	148.69	18.00		\$1,486.90		
3/23/2017	72317	1381	SALERS WELLAM R		21.90	18.00	\$219.00			
3/33/2017	72307	0952	DEMP TRUCK-PLATHED	1	49.36	18.00		5493.60		
2/23/2017	22313	1524	KURIN RECEARD A		22.90	18.00	\$279.00			
3/33/38/7	72112	1005	PICKUP-2012 FORD F150	1	18.86	18.00		\$188.60		
Read 14 - 0064	The DOM	PT ROAD	b			10.00		and the second s		
Activity M. 244	i Direking									
Read Distance										
10/2017	11100	1212	MONTRAN STRUCT		24.20	1.00	1111.00			
21952017	10,000	1053	ENCLAVE THE MARKET PT		148.60	2.00	3121.04	6747.45		
armune r	12,252	1004	CALIFORNIA CONTRACTOR		140.00	2,000	8100-45	2040.45		
1000007	74399	1000	DEAD TRUE AL ATHON		40.00	5.00	1109.30	Witness and		
100,000,7	72,990	40004	STATE THAT AND	1.1	49.00	2.00		2000.00		
1798200.7	72305	1044	TRACTING, W	- - - -	28.09	5.00	3123.45	Parts in a		
27962617	12,909	1067	DOMPTHERE-2019 MACS.		104.81	3.00	100000	3124.55		
2/13/2017	72308	1217	NUMERON STEVE A		24.29	16:00	3547.00			
7/13/2012	723404	1052	EXCAVATOR-WHEELED		148.69	16.00		11/486.20		
7/17/2011	72308	1581	SALERS WELLAM R		21.90	16.00	\$219.00			
3/13/2017	72308	0952	DOMP TRUCK-PLATBED	1	49.36	18.00		\$495.00		
2/13/2017	72,908	1144	REARD ERIC W		24.69	10.00	\$246.90			

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date Diff. Bate M Bate M <th></th>											
Project 14 - 36-061-16/00 MAINTERNATELEBRAINAGE_DITICE.NB00ELBRAE Bood 14 - 60061-6- 2 Activity 34 AM Binhing Activity 34 AM Binhing Baland Bookeler - 3 2015/2017 70140 1057 70140 1057 70140 1057 70140 1057 70140 1057 70140 1057 70140 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 7014 105 701 1 105 701 1 105 701 1 105 701 1 105 701 1 105 701 1 105 701 1 105 701 1 105 701 1 105 70 1 1 10 1 1 1 1 1 1 1 1 1 1 1 1	Dute	DJ M	16	Description	Rate bd	Rate	Units	Emp Cost	Equ Cest	Mat Cast	Can Cost
Network is in the image of the imag	Project M -28-002 Read Id - 0064	-180W M	AINTEN/	INCE-DRAINAGE,DITCH,NBO	LINER						
Backap Functs - 200 MARCK 1 0.948.8 0.00 SL,048.10 24332013 72308 1524 KUBS SECHGARDA 2 273.90 0.00 ST91.00 SL,048.10 24332013 72308 1524 KUBS SECHGARDA 2 273.90 0.00 ST91.00 SUB.40 24332013 72340 0455 RELEUR VORALDA 1 18.44 1.00 SUB.40 2432017 72440 0455 RELEUR VORALDA 1 16.54 1.00 SUB.41 3412017 72440 0450 RACKIKCE-2013 CAT 400F 1 41.73 1.00 SUB.41 3412017 72440 1400 RACKIKCE-2013 CAT 400F 1 0.51.1 1.00 SUB.41 3412017 72440 1400 RAKEJAMENT 3 1.04.2 1.00 SUB.41 3412017 72440 1400 RAKEJAMENT 3 1.04.2 1.00 SUB.41 3412017 72440 1000 RAKEJAMENT 3 <t< td=""><td>Activity Id. 350</td><td>1 Divbing</td><td>1.1.1.1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Activity Id. 350	1 Divbing	1.1.1.1								
2013/2017 72208 1697 EXAMP TRUCK-2006 MACK 1 196.8.8 0.00 \$100.00 2013/2017 72308 1534 KUBS RECORDAD A 1 2739 10.00 \$100.00 2013/2017 72340 0657 RELEY LORALD R 3 3.643 1.00 \$32.641 M10/2017 72440 0657 PECLEY LORALD R 3 6.454 1.00 \$55.51 M10/2017 72440 1650 BACKING-2015 CAT LORE 1 6.173 1.00 \$56.73 M10/2017 72440 1640 BACKING-2015 GAT LORE 1 9.613 1.00 \$56.73 M10/2017 72440 1640 RALE MARKE -2015 GAT LORE 1 9.613 1.00 \$56.73 M10/2017 72440 1601 TALE MARKE -2015 GAT LORE 1 9.614 1.00 \$56.73 M10/2017 72440 1601 TALE MARKE -2015 GAT LORE 1 9.634 1.00 \$56.73 M10/2017 7244 3.13 <td< td=""><td>Read District</td><td>1</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Read District	1									
323.0012 7238 1534 KUISK BECTGARTA 1 279.0 0.00 5278.00 203.2017 72384 0629 KEELEP VORGAED F.S. 1 18.84 10.00 5188.66 301.0017 72384 0629 KEELEP VORGAED F.S. 3 50.45 1.90 537.41 301.0017 72384 0629 KEELEP VORGAED F.S. 3 60.44 1.00 537.41 301.0017 72384 0630 KALERAN AND A.S. 3 61.54 1.00 536.54 301.0017 72384 1648 DAMP TERCK-2016 CAT 40F 1 61.54 1.00 536.54 301.0017 72384 1668 DAMP TERCK-2016 CAT 40F 1 94.83 1.00 536.51 301.0017 72384 10.68 DAMP TERCK-2016 CAT 40F 1 12.43 1.00 536.50 301.0017 72384 10.00 DAMP TERCK-2016 CAT 40F 1 2.445 5.00 536.50 301.0017 72384 10.01 DAM	2/13/2017	72308	1067	DUMP TRUCK-2016 MACK	1.7	104.83	10.00		\$1,048.10		
213/2017 72348 1055 PECKUP-3012 FORMED F: 1 14.86 0.00 5486.00 X01/2017 72344 0615 PECKUP 1 15.41 1.00 55.41 X01/2017 72344 0615 PECKUP 1 16.43 1.00 55.41 X01/2017 72344 1051 RACKED-2015 CAT 4007 1 64.73 1.00 58.54 X01/2017 72344 1491 RACKED-2015 CAT 4007 1 64.73 1.00 58.41 X01/2017 72344 1491 RACKED-2015 CAT 4007 1 64.34 1.00 58.52 X01/2017 72344 1491 RACKED-2015 CAT 4007 1 64.34 1.00 58.52 X01/2017 72344 1691 RACKEN-2015 CAT 4007 1 64.34 1.00 58.52 X01/2017 72344 1691 RACKEN-2015 CAT 4007 1 64.34 1.00 58.62 Read L-0006466* RELLIVIT REACK-2005 1 64.80 5	3/33/2017	72308	1524	RUHN RICHARD A	1	27.90	10.00	\$279.00			
Mathematical Mathematical Mathematical Mathematical Mathematical Mathematical Mathematical Table	2/13/2017	72306	1055	PICKUP-2012 FORD F158	1	18.86	10.00		\$188.60		
X01/2017 T2140 OHX PICKUP I E144 1.00 S15.51 X01/2017 T2140 DED MACKTORE-2015 CAT 400F I 61.73 1.00 S15.51 X01/2017 T2140 DED MACKTORE-2015 CAT 400F I 61.73 1.00 S15.51 X01/2017 T2140 H4H NAUE DAMES I 9.84.15 1.00 S15.51 X01/2017 T2140 H4H NAUE DAMES I 9.84.81 1.00 S15.51 X01/2017 T2140 H0H DUMP TRUCK-2016 CAT 1 9.84.81 1.00 S15.41 X01/2017 T2140 H0H DUMP TRUCK-2016 I 4.03.8 1.00 S15.41 X01/2017 T2140 H0H DUMP TRUCK-2016 I 4.03.8 1.00 S16.52 Rud Barris -1 I H1H 20 S10.52 S16.52 S16.52 S16.52 Hard Barris -1 I H44.55 S00 S16.52 S16.52 <t< td=""><td>3/21/2017</td><td>72348</td><td>0679</td><td>RELEY DONALD R</td><td>1.1</td><td>30.45</td><td>1.00</td><td>\$30.45</td><td></td><td></td><td></td></t<>	3/21/2017	72348	0679	RELEY DONALD R	1.1	30.45	1.00	\$30.45			
M2120017 72340 2127 ALLEN AGELAN 3 16.54 1.00 536.55 32120017 72340 1641 1641 1.00 536.54 561.73 32120017 72340 1635 DAM YERNES-2005 OARD 1 361.51 1.00 536.54 32120017 72340 1635 DAM YERNES-2005 OARD 1 361.51 1.00 538.54 32120017 72340 1605 DUM YERNES-2005 OART 1 364.51 1.00 538.51 32120017 72340 1000 DUM YERNES-2009 1 12.43 1.00 538.50 32120017 72340 1000 DUM YERNES-2009 1 14.50 1.00 538.50 32120017 72340 1300 CUTTERNES 3 21.00 5.00 5105.50 1052017 72247 1235 SARE SAGAQUETTE 3 16.44 5.00 322.70 1052017 72247 1238 CATELEN ANATON-MEREED 1 46.60	3/21/2017	72340	ONEL	PICKUP	1.1	15.48	1.00		\$15.41		
3/21/2017 723-49 160 BACKHOE-2013 CAT-6007 1 64.73 1.60 561.73 3/21/2017 723-49 2311 MAXYS 200 MY R 3 16.34 1.00 538.54 3/21/2017 723-49 1441 MAXYS 200 MY R 3 2.371 1.00 522.71 3/21/2017 723-49 1601 DKMSP TRUCK2065 MACK 1 64.36 522.71 3/21/2017 723-49 1601 DKMSP TRUCK2065 MACK 1 64.36 586.50 3/21/2017 723-49 1601 DKMSP TRUCK2065 MACK 1 64.36 505.50 3/21/2017 723-49 1500 CUTHERY TRUCK2060 1 44.56 500 556.50 Bad Denvine - 2 IMS2017 722-97 1290 1291 44.56 500 516.50 UN20017 722-97 1292 2232 SCATELERA VACTOR-WRIBERED 1 44.56 500 516.50 UN20017 722-97 1292 2232 SCATELERA VACTOR-WRIBER	3/21/2017	72348	2527	ALLEN XORDAN	1.1	16.54	1.00	\$35.55	1.000		
M21/2017 72349 231 MAYS JIMMY R 3 16.54 1.00 534.54 M21/2017 72149 1639 DRMP TRUCK-SOB FORD 1 34.15 1.00 \$22.71 M21/2017 72149 1009 DRMP TRUCK-SOB MACK 1 194.81 1.00 \$22.71 M21/2017 72149 1009 DRMP TRUCK-SOB 1 40.64 1.00 \$32.471 M21/2017 72149 1010 DRMP TRUCK-SOB 3 10.52 1.00 \$32.471 M21/2017 72149 1319 GUTHERY TRUCK-SOB 3 10.52 1.00 \$35.50 Read 16-006865 ELLINOTT ROLM S 3 21.49 5.00 \$3743.45 UNR2017 72287 1539 GUTHERY TROMAS 3 21.49 5.00 \$3743.45 UNR2017 72287 1539 GUTHERY TROMAS 3 144.65 5.00 \$3743.45 UNR2017 72287 1523 SARAS SOROUTTER SOL 144.64 5.00<	3/11/2017	77340	1043	BACKHOR-2011 CAT 410F	1	61.73	1.00	2233	\$61.73		
321/2017 72340 HER DUMP TEXCE-2006 PORD 1 39.15 L00 E22.71 321/2017 72340 HeR NAL LAARS 3 22.31 L00 E22.71 321/2017 72340 HOR DEMP TEXCE-2005 ALCK 1 16.40 S19.431 321/2017 72340 HOR DEMP TEXCE-2005 O 1 49.36 L00 319.431 321/2017 72340 HOR DEMP TEXCE-2005 O 1 49.36 L00 349.36 Activity IA 439 Demeter - 2 ILIR 2017 72347 1500 CUTHERY TROMAS 3 1.42.4 L00 349.3 NUR2017 72247 1601 EXCAVATURNIBERED 1 46.69 5.00 312.3 UNR2017 72247 1604 ASTALT PARCHERE-2001 44.45 5.00 312.4 UNR2017 72247 1604 TEXCAVATURNIBERED 1 46.46 5.00 312.3 UNR2017 72247 1604 TEXCAVATURNIBERED </td <td>3/21/2017</td> <td>72548</td> <td>2558</td> <td>MAYS IMMY B</td> <td>- i i i i</td> <td>16.54</td> <td>1.00</td> <td>\$35.54</td> <td></td> <td></td> <td></td>	3/21/2017	72548	2558	MAYS IMMY B	- i i i i	16.54	1.00	\$35.54			
321/2017 723-81 1491 NOL DAMES 3 22.71 1.00 122.71 321/2017 723-60 1060 TRANCK-2016 NACK 1 104.81 1.00 510.431 321/2017 723-60 1060 TRANLIN-3000 1 40.36 1.00 549.36 321/2017 723-60 1081 DUMP TEXCK-20160 1 40.36 1.00 549.36 321/2017 723-60 1081 DUMP TEXCK-20160 1 40.36 1.00 549.36 Read Notember -2 DUMP TEXCK-20160 1 40.45 5.00 5105.59 DUM2017 72247 1530 GUTHERT TINOMAS 3 21.40 5.00 5105.59 DUM2017 72247 1223 SLAB SAGAACOMANTON-NUMBERED 1 44.56 5.00 522.48 DUM2017 72247 1233 SAGA FATONANTON-NUMBERED 1 44.56 5.00 5104.43 DUM2017 72248 1604 TATONANTON-NUMBERED 1	N21/2017	72345	1029	DUMP TRUCK -2005 FORD	- F	39.15	1.00		\$39.15		
X212207 T2348 H08 EXEMP TEXCK-2006 MACK I H0431 L00 X10431 X212007 T2348 H08 EXEMP TEXCK-2006 MACK I E243 L00 SE247 X212007 T2348 H08 EXEMP TEXCK-2006 MACK I E243 L00 SE247 X212007 T2348 J212 SIMPELIAR DAVID I E043 L00 SE636 Arrively IA ASP Diskows I I E040 S00 S104.53 INR2007 T2327 1550 GUTHERY TINCMAS I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I	1/21/2012	22545	1.017	NAR TAMES		22.12	1.00	\$22.71			
S212007 T2248 Does Declaration 1 D24 Date S224 S2120077 T2148 D00 DUAPTERCK-2010 1 4036 L00 \$4036 S2120077 T2148 S112 SWELLER DAVID 3 16.92 L06 \$346.93 Read Dentities ELLOTT HOULE SWELLER DAVID 3 16.92 L06 \$346.93 MIR2017 T2187 150 CUTHERY TRICMAS 3 21.00 \$307.93 MIR2017 T2187 163 CUTHERY TRICMAS 3 21.00 \$30.93 \$103.65 MIR2017 T2187 163 SUCAVATORMIREBERD 1 344.95 \$00 \$103.65 MIR2017 T2187 1604 SUCAVATORMIREBERD 1 344.95 \$100 \$103.96 MIR2017 T2187 1604 T300.0F/TELATORE-MIREBERD 1 344.95 \$100.0 \$103.96 MIR2017 T2188 150 CUTHERY TRICMAS 3 1040.0 \$103.96	301/20/2	TYLAS	LINE	DUMP TRUCK	- 2	104 81	1.00		1104.51		
SULTON SULTON DUM DUM <thdu< td=""><td>3/11/3017</td><td>11145</td><td>1005</td><td>TRANED - 2000</td><td>10</td><td>12.43</td><td>1.00</td><td></td><td>\$12.47</td><td></td><td></td></thdu<>	3/11/3017	11145	1005	TRANED - 2000	10	12.43	1.00		\$12.47		
SULTON COUNT TO THE STILL BOARD TROCK OF 10 STILLAR TO AND STATE 1 0.0.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 100.00 <td>3/21/20/27</td> <td>77245</td> <td>1000</td> <td>DATES TRUCK</td> <td></td> <td>40.54</td> <td>1.00</td> <td></td> <td>5.09.34</td> <td></td> <td></td>	3/21/20/27	77245	1000	DATES TRUCK		40.54	1.00		5.09.34		
Based 14 Open 1000 1000 1000 1000 1000 Activity 14 458 Disching Bull 20017 72287 1590 GUTHERY THOMAS 3 21.49 5.00 \$105.50 101820017 72287 1893 EXCAVATOR-WHEELED 1 \$48.69 5.00 \$222.80 101820017 72287 1893 EXCAVATOR-WHEELED 1 \$48.69 5.00 \$222.80 101820017 72287 1804 TBUCKAR 3 19.61 5.00 \$222.80 101820017 72287 1804 TBUCKAR 3 19.61 5.00 \$222.80 101820017 72281 1803 GUTHERY THOMAS 3 21.19 5.00 \$105.50 10192017 72288 1803 GUTHERY THOMAS 3 21.01 5.00 \$103.09 10192017 72288 1633 EXAVATOR-WIREELED 1 144.64 5.00 \$246.80 10192017 72288 1525 SEAA	201/06/2	22144	1415	COURT TRUCK ACTIVITY	1.4	14 83	1.00	216.02	- process		
NUMERAL DESCRIPTION Artivity Id. 349. Directing Rand Direction - 1 1016/2017 72287 1530 CUTTHERY TIROMAS 3 21.0 5.00 5105.50 1018/2017 72287 1230 CUTTHERY TIROMAS 3 21.40 5.00 5105.50 1018/2017 72287 1252 SEARS MARQUETTIE 3 18.54 5.00 382.70 1018/2017 72287 1264 ASPIRALT PATCHER-2001 1 44.55 5.00 385.05 1018/2017 72287 1604 TRUCK-PICE UP FLAT CRUW 1 36.78 5.00 3133.98 1018/2017 72288 1605 CUTTHERY TIROMAS 3 21.49 5.00 31743.45 1019/2017 72288 1605 CUTTHERY TIROMAS 3 16.34 5.00 5104.80 1019/2017 72288 1604 TRUCK-2006 1 473.45 5.00 5104.80 1019/2017 72288 1604 TRUCK-2006 1 473.45	Read M - MMA	No. BILL	OTTRO	SPICELOS DALVER		196.556	1.466	210.04			
Raid Device -2 Bits Contr -2 NUBCONT 72287 1510 GUTHERY TROMAS 3 21.40 5.00 \$2105.50 NUBCONT 72287 1610 UNCAVATOR-WHEELID 1 148.40 5.00 \$2105.50 NUBCONT 72287 1624 ASPILAL T PATCHER-2001 1 44.35 5.00 \$222.80 NUBCONT 72287 1604 ASPILAL T PATCHER-2001 1 44.35 5.00 \$103.90 NUBCONT 72287 1604 TRUCK-PREK UP PLAT CREW 1 28.10 \$105.00 \$103.90 NUBCONT 72288 1505 GUTHERY TROMAS 3 10.40 \$100 \$103.90 NUPRONT 72288 1604 TRUCK-PREK UP FLAT CREW 1 28.40 \$100 \$104.45 NUPRONT 72288 1505 GUTHERY TROMAS 3 10.41 \$100 \$104.45 NUPRONT 72288 1505 GUTHERY TROMAS 3 10.41 \$100 \$100	Autoria Id. 18	Prinking	0.1.1.100	NAMP .							
NUME DEFINIT CLUTHERY TINOMAS J 21.00 5.00 5105.50 NUME2017 72287 1500 GUTHERY TINOMAS J 148.69 5.00 5105.50 NUME2017 72287 1620 SURARS MARQUATTE J 145.44 5.00 582.70 NUME2017 72287 1250 CATTERN LEWAR J 165.44 5.00 582.70 NUME2017 72287 1258 CATTERN LEWAR J 165.00 5105.00 5105.00 NUME2017 72288 1500 GUTHERY TROMAS J 26.71 5.00 5105.00 5105.00 NUME2017 72288 1600 GUTHERY TROMAS J 26.71 5.00 5105.00 5105.00 NUME2017 72288 1600 GUTHERY TROMAS J 16.54 5.00 5105.00 NUME2017 72288 1202 SEARS SAMQUERTTE J 16.54 5.00 5133.00 Read Beneticit - 2 NUME2017 72288 1202 <t< td=""><td>Annuty in any</td><td>a necoust</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Annuty in any	a necoust									
Billing Filler Output Press Filler Filler <thf< td=""><td>ALLER DOUBLES</td><td>01040</td><td>1416</td><td>CONTRACTOR TOPOLOGY</td><td></td><td>2.24.00</td><td>4.00</td><td>6106.50</td><td></td><td></td><td></td></thf<>	ALLER DOUBLES	01040	1416	CONTRACTOR TOPOLOGY		2.24.00	4.00	6106.50			
Display Display <t< td=""><td>0.000.00017</td><td>10.000</td><td>10.00</td><td>COTHERT TRANSCO</td><td></td><td>100.00</td><td>4.00</td><td>\$100.30</td><td>8743.44</td><td></td><td></td></t<>	0.000.00017	10.000	10.00	COTHERT TRANSCO		100.00	4.00	\$100.30	8743.44		
NEW 2017 T2217 SEARCH STRUCK (PRC) 116 J 10.54 5.00 5222.30 1018/2017 T2217 2038 CATTLEND LEVAR 3 19.01 5.00 592.00 1018/2017 T2217 1004 TRUCK (PRC) 10 LEVAR 3 19.01 5.00 507.00 1019/2017 T2218 1004 TRUCK (PRC) 10 LEVAR 3 19.01 5.00 507.00 1019/2017 T2218 1004 TRUCK (PRC) 10 LEVAR 3 19.01 5.00 507.00 1019/2017 T2288 1630 EUXAVATOR - MORESLED 1 19.4.64 5.00 507.00 1019/2017 T2288 10.04 TRUCK - 2006 1 49.36 5.00 509.55 1019/2017 T2288 10.04 TRUCK - 2006 1 49.36 5.00 509.55 1019/2017 T2288 10.04 TRUCK - 2006 1 47.36 5.00 509.55 1019/2017 T2288 10.04 DRUCK - PRC 1	0.08620057	100.007	1632	ENGAVATOR- WEEKLEN		14.05		444 10	presses.		
INDEXPORT TELEP IELE ADVIDUE TYAL COMPLEXAN I 44-56 S.00 BE22.00 NUBE2017 T2287 1604 TRUCK-PRICE UP FLAT CREW I 26.78 5.00 \$103.09 NUBE2017 T2287 1604 TRUCK-PRICE UP FLAT CREW I 26.78 5.00 \$103.09 NUBE2017 T2288 1603 EXCAVATOR-NUBERLED I 164.64 5.00 \$103.09 NUP2017 T2288 1603 EXCAVATOR-NUBERLED I 164.64 5.00 \$104.70 NUP2017 T2288 1604 TRUCK-PRICE UP FLAT CREW I 26.78 \$00 \$246.80 NUP2017 T2288 1004 TRUCK-PRICE UP FLAT CREW I 26.78 \$00 \$246.80 NUP2017 T2288 1004 TRUCK-PRICE UP FLAT CREW I 26.78 \$00 \$246.80 \$133.00 Read Id - 0004PV-E ESTES ROAD IDAR2016 T2237 1636 DUTTOR CRAUE I 104.81 4.00 \$13.80 </td <td>1/18/02/017</td> <td>12280</td> <td>1523</td> <td>SEARS NEAROOFTIE</td> <td></td> <td>18.34</td> <td>2.00</td> <td>382.79</td> <td>27177 AU</td> <td></td> <td></td>	1/18/02/017	12280	1523	SEARS NEAROOFTIE		18.34	2.00	382.79	27177 AU		
INFLUENT T2287 JONE OF TRUCK UP FLAT CRUP II JONE OF TRUCK JONE OF TRUCK <thjone o<="" td=""><td>1/18/2017</td><td>32387</td><td>1624</td><td>ASPHALT PATCHER-2003</td><td>1.1</td><td>44.30</td><td>2.00</td><td>and 114</td><td>\$122.80</td><td></td><td></td></thjone>	1/18/2017	32387	1624	ASPHALT PATCHER-2003	1.1	44.30	2.00	and 114	\$122.80		
DBC/0017 T2288 ISSN GUTHERY THOMAS J JAN B SUB FUNCTOR UVR2017 T2288 ISSN GUTHERY THOMAS J 21.10 Solo SUB UVR2017 T2288 ISSN GUTHERY THOMAS J 11.84.69 Solo SUB UVR2017 T2288 ISSN SEARS MARQUETTE J 16.54 Solo SUB	0/06/2017	72.287	2508	CATTLING LETAR	0.120	29.00	5,00	382.00	# 2 10 mm		
LUMEZUIT T2288 LUM CAUTHARK T THRUMARS 3 21.07 500 5005.30 LUMC2017 72288 1613 EDCCAVATORWOREELED 1 184.69 5.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22.00 \$22	6/19/2017	12287	1004	TRUCK-PICK OF PLAY CREW		26.18	5,000		\$120.58		
LUNCOUT T2238 HES INCAVATION-MERGENERS I SMLMP SMM SMM </td <td>1/1982017</td> <td>172288</td> <td>1500</td> <td>CUTHERT THUSES</td> <td></td> <td>21.49</td> <td>5,00</td> <td>\$105.50</td> <td>#747 mit</td> <td></td> <td></td>	1/1982017	172288	1500	CUTHERT THUSES		21.49	5,00	\$105.50	#747 mit		
LIPR2017 72288 2523 SEARS MANQUETTE 3 10.34 5.00 582.70 LIPR2017 72288 1829 DUMP TRUCK - 2006 1 49.36 5.00 \$95.95 LIPR2017 72288 1004 TRUCK -PCE UP FLAT CRUW 1 26.78 \$60 \$113.00 Read M - 0004971 ESTES BOAD E E E E F Activity Id 359 Dishing E 50 \$80.70 \$113.00 Band Detrict -2 E E E E \$80.95 \$4.00 \$80.80 \$2594.76 L2052016 72237 163 CUTHERY TINCMAS 3 20.95 4.00 \$87.80 \$2594.76 L2052016 72237 163 EXCAVATOR - WREELED 1 184.80 4.00 \$17.60 \$2594.76 L2052016 72237 164 DOMP TRUCK - 2005 MACK 1 194.81 4.00 \$61.84 L2052016 72237 1641 TRUCK - 2005 MACK	5-19W2017	72388	1610	EXCAVATOR-WHEELED	- 12 -	248.09	3,99	A10.0	3142.40		
LTMR2017 T2238 H29 DUMPTRONC-2006 I 49.36 5.00 S246.80 LTMR2017 72238 2538 CATTLENG LEVAR 3 19.01 5.00 \$95.95 LTMR2017 72238 1804 TRUCK-PSCE UP FLAT CREW 1 26.78 5.00 \$133.90 Activity Id 350 Disklagg Based Hd - 0004971-4 ESTES BOAD SECAVATOR-WHEELED 1 148.69 4.00 \$73.80 Activity Id 350 T2217 1538 EXCAVATOR-WHEELED 1 148.69 4.00 \$73.40 L2052016 72237 1638 EXCAVATOR-WHEELED 1 148.69 4.00 \$73.60 L2052016 72237 1648 DUTTON CLAUDE C 3 18.40 4.00 \$619.24 L2052016 72237 1648 DUTTON CLAUDE C 3 16.41 4.00 \$619.24 L2052016 72237 1611 TRUCK-3008 FORD F450 1 27.92 4.00 \$419.49	6/19/2017	72298	2510	SEARS MARQUETTE		19.34	3.00	362.79	100 million (100 million)		
IVER2017 T2238 LTS CATTLING LEVAR J (940) 5.00 \$95.05 IVER2017 T2238 1004 TRECK-PSCE UP FLAT CREW 1 26.78 5.00 \$95.05 Read Md - 000091 ESTESS ROAD Status Status Status \$133.00 Activity M 450 Discher Status Status Status \$100 \$133.00 Based Discrete T2237 1530 GUTHERY TIROMAS 3 20.95 4.00 \$83.00 12052006 T2237 1635 EXCAVATOR - WREELED 1 148.69 4.00 \$83.80 12052006 72237 1646 DUMP TRUCK - 2005 MACK 1 194.81 4.00 \$419.24 12052006 72237 1646 DUMP TRUCK - 2005 MACK 1 194.81 4.00 \$419.24 12052006 72237 1631 TRUCK - 2005 MACK 1 194.81 4.00 \$40.96 12052006 72237 1631 TRUCK - 2005 MACK	5/99(2012	12288	1829	DUMP TRUCK-2006		49.36	5.00	1000	\$245.80		
LTB 20017 T2238 HOA TRUCK-PICK UPTLATCREW L 28.78 5.60 \$133.00 Based bd - 6000091- ESTES ROAD - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	1/19/2017	72288	2528	CATTLING LEVAR		19,01	5.00	\$95.05			
Read Rd - 000021-C ESTES ROAD Artivity Id J90 Dishing Band District -2 1228/2016 72217 1530 GUTHERY TROMAS 3 20.95 4.00 \$83.80 1228/2016 72217 1031 EXCAVATOR-WHEELED 1 148.69 4.00 \$594.76 1228/2016 72217 1646 DUTTON CLAUDE C 3 18.46 4.00 \$73.69 1238/2016 72217 1646 DUTTON CLAUDE C 3 18.46 4.00 \$61.924 1238/2016 72217 1646 DUMP TRUCK-2016 MARE 1 194.81 4.00 \$61.84 1238/2016 72217 1611 TBUCK-2016 MARE 1 194.81 4.00 \$61.84 1238/2016 72217 1611 TBUCK-2016 MARE 1 27.92 4.00 \$111.48 1238/2016 72217 1515 STOWERS SHEA 3 20.48 2.00 \$104.81 1238/2016 72219 1506 GUTHERY TROMARS 3 20.95 <td>1/19/2017</td> <td>72388</td> <td>1004</td> <td>TRUCK-PICK OF ITAT CREW</td> <td></td> <td>26,78</td> <td>9.00</td> <td></td> <td>\$133.90</td> <td></td> <td></td>	1/19/2017	72388	1004	TRUCK-PICK OF ITAT CREW		26,78	9.00		\$133.90		
Activity bil 390 Disubleg Based District - 2 12/02/2016 72237 1530 GUTHERY THOMAS 3 20.95 4.00 \$83.80 12/02/2016 72237 1033 EXCAVATORWREELED 1 148.66 4.60 \$594.76 12/02/2016 72237 1444 DUTTON CLAUDE C 3 184.66 4.60 \$473.60 12/02/2016 72237 1466 DUMP TRUCK2016 MACK 1 104.81 4.60 \$479.24 12/02/2016 72237 1666 DUMP TRUCK2016 MACK 1 104.81 4.60 \$65.64 12/02/2016 72237 1611 TRUCK2008 PORD F450 1 27.92 4.60 \$111.48 12/02/2016 72237 2515 STOWERS SIELA 3 20.48 2.60 \$48.96 12/02/2016 72239 1500 GUTHERY TRICMAS 3 20.95 5.60 \$104.75 12/02/2016 72239 1500 GUTHERY TRICMAS 3 20.95 5.60 \$104.	Read 1d - 0994	01< ESTR	S 800/48								
Hand District - 2 E2/8/2006 722:17 1530 GUTHERY THOMAS 3 20.95 4.00 \$83.80 E2/8/2006 722:17 1633 EXCAVATOR-WREELED 1 148.69 4.00 \$594.76 E2/8/2006 722:17 1648 EXCAVATOR-WREELED 1 148.69 4.00 \$73.60 E2/8/2006 722:17 1646 EXCAVATOR-CLAUDE C 3 18.46 4.00 \$73.60 E2/8/2006 722:17 1666 EXCMP TRUCK2006 MACK 1 194.81 4.00 \$419.24 E2/8/2006 722:17 1611 TRUCK2006 MACK 1 194.81 4.00 \$63.64 E2/8/2005 722:17 1611 TRUCK2006 F002 F450 1 27.92 4.00 \$111.48 E2/8/2005 722:17 2515 \$TOWERS SHEA 3 20.48 2.00 \$48:96 E2/8/2005 722:17 2516 GUTHERY THOMAS 3 20.48 \$104.35 E2/8/2005 722:19 <td< td=""><td>Activity Id. 350</td><td>0 Dishing</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Activity Id. 350	0 Dishing									
L1002016 72237 1510 GUTHERY THOMAS 3 20.95 4.00 383.80 L2082016 72237 1053 EXCAVATOR-WREELED 1 148.69 4.00 \$3594.76 L2082016 72237 1448 DUTTON CLAUDE C 3 18.40 4.00 \$73.40 L2082016 72237 1666 DUMP TRUCK-2016 MACK 1 194.81 4.00 \$6178.24 L2082016 72237 1816 DUMP TRUCK-2016 MACK 1 194.81 4.00 \$615.64 L2082016 72237 1811 TRUCK-2008 FORD F450 1 27.92 4.00 \$111.48 L2082016 72237 2515 STOWERS SHEA 3 20.48 2.00 \$48.96 L2082016 72237 2515 STOWERS SHEA 3 20.95 5.00 \$111.48 L2082016 72239 163 CUTHERY THOMAS 3 20.95 5.00 \$104.75 L20122016 72239 1653 CUTHERY THOMAS 3	Road District	1-2	101925		1.00	22.02	10:22	3.6.01			
L18/2016 72237 1053 EXCAVATOR-WREELED 1 140.69 4.00 \$354.76 L2/6/2016 72257 1468 DUTTON CLAUDE C 3 18.40 4.00 \$73.60 L2/6/2016 72257 1666 DUMP TRUCK-2016 MACK 1 194.81 4.00 \$419.24 L2/6/2016 72257 1666 DUMP TRUCK-2016 MACK 1 194.81 4.00 \$419.24 L2/6/2016 72257 1611 TRUCK-2008 FORD F450 1 27.92 4.00 \$111.68 L2/6/2016 72257 1611 TRUCK-2008 FORD F450 1 27.92 4.00 \$111.68 L2/6/2016 72257 2515 STOWERS SHEA 3 20.48 2.00 \$48.96 L2/12/2016 72259 1530 GUTHRERY TRICMAS 3 20.95 5.00 \$104.75 L2/12/2016 72259 1653 EXCAVATOR-WREELED 1 348.69 5.00 \$104.45 L2/12/2016 72259 1644 DUTTON C	12/8/2006	72297	1530	GUTHERY TROMAS		20.95	4.00	283.80	526366		
LDB/2016 72257 1468 DUTTON CLAUDE C 3 18.40 4.00 \$73,60 LDB/2016 72257 1066 DUMP TRUCK-2016 MACK 1 104.81 4.00 \$419.24 LDB/2016 72217 2513 366AE3 MARQUETTE 3 16.41 4.00 \$63.64 LDB/2016 72217 1811 TRUCK-2008 FORD F450 1 27.92 4.00 \$111.68 LDB/2016 72257 1811 TRUCK-2008 FORD F450 1 27.92 4.00 \$111.68 LDB/2016 72257 2515 \$TOWERS SHEA 3 20.48 2.00 \$48.96 LDB/2016 72259 1536 GUTHRERY TRICMAS 3 20.95 5.00 \$104.75 LD1/2/016 72259 163 EXCAVATOR-WREELED 1 348.69 5.00 \$90.00 LD1/2/016 72259 164 DUTTON CLAUDE C 3 18.40 5.00 \$90.00 LD1/2/2016 72259 1064 DUMP TRUCK-2016 MACK	12/8/2016	722.97	1053	EXCAVATOR-WREELED	1	148.69	4.00	3-323	\$594.76		
K1/6/2016 72257 1666 DUMP TRUCK-2016 MACK I 104.81 4.00 \$419.24 K1/6/2016 72217 2523 366AE3 MARQUETTE 3 16.41 4.00 \$65.64 L1/6/2016 72257 1811 TRUCK-2008 FORD F450 1 27.92 4.00 \$111.68 L1/6/2016 72257 2515 \$TOWERS SHEA 3 20.48 2.00 \$46.96 L1/12/2016 72259 1530 GUTHERY THOMAS 3 20.95 5.00 \$104.75 L2/12/2016 72259 1653 EXCAVATOR-WREELED 1 348.69 5.00 \$104.75 L2/12/2016 72259 1664 DUTTON CLAUDE C 3 18.40 5.00 \$103.45 L2/12/2016 72259 1664 DUMP TRUCK-2016 MACK 1 204.81 5.00 \$324.85 L3/12/2016 72259 1664 DUMP TRUCK-2016 MACK 1 204.81 5.00 \$324.85 L3/12/2016 72259 2515 \$100MFR	12/8/2014	72257	1468	DUTTON CLAUDE C		18.40	4.00	\$73.60	503.77		
KUR2006 72213 25L3 SEARS MARQUETTE 3 16.41 4.00 \$65.64 L2052005 72257 1E11 TRUCK-2008 FORD F450 1 27.92 4.00 \$111.68 L2052006 72257 2515 STOWERS SHEA 3 20.48 2.00 \$46.96 L2052006 72257 1510 GUTHERY TROMAS 3 20.95 5.00 \$104.75 L2012/2016 72259 1630 GUTHERY TROMAS 3 20.95 5.00 \$104.75 L2012/2016 72259 1653 EXCAVATOR-WREELED 1 348.69 5.00 \$104.75 L2012/2016 72259 1664 DUTTON CLAUDE C 3 18.40 5.00 \$90.00 L2012/2016 72259 1664 DUMP TRUCK-2016 MACK 1 204.81 5.00 \$324.85 L2012/2016 72259 2515 \$TOWERS SHEA 3 20.48 \$00 \$102.40 L2012/2016 72259 2515 \$TOWERS SHEA 3	13/6/2016	72257	1066	DUMP TRUCK-2016 MACK	1. I.	104.85	4.00		\$419.24		
L2/8/2016 72257 HEIR TRUCK-2008 FORD F456 I 27.92 4.00 \$111.48 L2/8/2016 72257 2515 STOWERS SHEA 3 20.48 2.00 \$48.96 L3/12/2016 72259 1530 GUTHERY TRIOMAS 3 20.95 5.00 \$104.75 L3/12/2016 72259 1653 EXCAVATOR-WREELED 1 148.69 5.00 \$783.45 L3/12/2016 72259 1664 DUTTON CLAUDE C 3 18.40 5.00 \$90.00 L3/12/2016 72259 1664 DUTTON CLAUDE C 3 18.40 5.00 \$90.00 L3/12/2016 72259 1664 DUTTON CLAUDE C 3 18.40 5.00 \$90.00 L3/12/2016 72259 1664 DUMP TRUCK-2016 MACK 1 104.81 5.00 \$92.45 L3/12/2016 72259 2515 \$TOWERS SHEA 3 20.48 5.00 \$102.40 L3/12/2016 72259 1611 TRUCK-2006 FORD F450 <td>13/8/2016</td> <td>72297</td> <td>2513</td> <td>SEARS MARQUETTE</td> <td>- X.</td> <td>16.43</td> <td>-4,00</td> <td>\$15.64</td> <td>2001</td> <td></td> <td></td>	13/8/2016	72297	2513	SEARS MARQUETTE	- X.	16.43	-4,00	\$15.64	2001		
ILIB/2016 72257 2515 STOWERS SHEA 3 20.48 2.00 \$48.96 13/12/2016 72259 1530 GUTHERY THOMAS 3 20.95 5.00 \$104.75 12/12/2016 72259 1853 EXCAVATOR-WREELED 1 148.69 5.00 \$783.45 12/12/2016 72259 1468 DUTTON CLAUDE C 3 18.40 5.00 \$793.45 13/12/2016 72259 1664 DUTTON CLAUDE C 3 18.40 5.00 \$524.85 13/12/2016 72259 1664 DUMP TRUCK-2016 MACK 1 104.81 5.00 \$524.85 13/12/2016 72259 2515 \$TOWERS SHEA 3 20.48 5.00 \$102.40 13/12/2016 72259 2515 \$TOWERS SHEA 3 20.48 5.00 \$102.40 13/12/2016 72259 1611 TRUCK-2008 FORD F450 1 27.92 1.00 \$27.92	12(8/2016	72257	1011	TRUCK2008 FORD F450		27.92	4.00		\$111.68		
13/12/2016 72239 1530 GUTHERY THOMAS 3 20.95 5.00 \$104.75 12/12/2016 72239 1853 EXCAVATOR-WREELED 1 148.69 5.00 \$793.45 12/12/2016 72239 1853 EXCAVATOR-WREELED 1 148.69 5.00 \$793.45 12/12/2016 72239 1468 DUTTON CLAUDE C 3 18.40 5.00 \$90.80 13/12/2016 72239 1664 DUMP TRUCK-2016 MACK 1 104.81 5.00 \$524.85 13/12/2016 72239 2515 \$TOWERS SHEA 3 20.48 5.00 \$102.40 12/12/2016 72239 2515 \$TOWERS SHEA 3 20.48 5.00 \$102.40 12/12/2016 72259 1611 TRUCK-2008 FORD F450 1 27.92 1.00 \$27.92	13/8/2016	72257	2515	STOWERS SHEA		20.48	2.00	\$40.96			
12/12/2016 72259 1053 EXCAVATOR-WREELED 1 148.69 5.00 \$143.45 12/12/2016 72259 1468 DUTTON-CLAUDE C 3 18.40 5.00 \$90.00 12/12/2016 72259 1064 DUMP TRUCK-2006 MACK 1 106.81 5.00 \$524.65 12/12/2016 72259 2515 \$TOWERS SHEA 3 20.48 5.00 \$102.40 12/12/2016 72259 1611 TRUCK-2008 FORD F450 1 27.92 1.00 \$27.92	13/12/2016	12239	1530	GUTHERY THOMAS	3	20.95	5.00	\$104.75			
12/12/2016 72219 1468 DUTTON CLAUDE C 3 18.40 5.00 \$90.00 12/12/2016 72219 1064 DUMP TRUCK-2016 MACK 1 106.81 5.00 \$524.85 12/12/2016 72219 2515 \$TOWERS SHEA 3 20.48 5.00 \$102.40 12/12/2016 72219 1811 TRUCK-2008 FORD F450 1 27.92 1.00 \$27.92	12/12/2016	72359	1853	EXCAVATOR-WREELED	1.1	348.69	5.00		\$143.45		
12/12/2016 12259 1064 DUMP TRUCK-2016 MACK 1 104.81 5.00 \$324.85 12/12/2016 12259 2515 STOWERS SHEA 3 20.48 5.00 \$102.40 12/12/2016 12259 1811 TRUCK-2008 FORD F450 1 27.92 1.00 \$327.92	13/12/2016	722.99	1468	DUTTON CLAUDE C	3	18,40	5.00	\$92,00			
12/12/2016 72239 2515 STOWERS SHEA 3 20.48 5.00 \$102.40 12/12/2016 72259 1811 TRUCK-2008 FORD F450 1 27.92 1.00 \$27.92	13/12/2016	722599	1064	DUMP TRUCK-2016 MACK	1	206.83	5.00		\$524.65		
12/12/2016 72259 1811 TRUCK-2008 FORD F450 1 27.92 1.00 827.92	13/12/2016	72259	2545	STOWERS SHEA	3	20.48	5.00	\$102.40			
	12/12/2016	72259	1834	TRUCK-2008 FORD P450	- E -	27.92	1.00		\$27.92		
13/12/2016 72239 2523 SEARS MARQUETTE 3 16.41 5.00 \$82.05	13/12/2016	72239	2523	SLARS MARQUETTE	3	16.41	5.00	\$82.05			
1/36/2017 72290 2526 CARROLL MARCUS 3 18.38 3.00 \$15.34	1/36/2017	72299	2526	CARROLL MARCUS	3	18.38	3.00	\$15.14			
1/26/2017 T2293 0998 DUMP TRUCK-2008 OMC 1 49.36 3.00 \$148.08	1/26/2017	72295	0998	DUMP TRUCK-2008 GMC	1	49.36	3.00		\$148.08		
1/26/2017 72290 2528 CATTLENG LEVAR 3 19.01 3.00 \$57.03	1/26/2017	72290	2528	CATTLENG LEWAR	3	19.03	3.00	\$57.00			
1/06/2017 T2293 0981 PSCKUP 1 18.86 3.00 \$55.58	1/26/2017	12240	0981	PSCKUP	1	18.86	3.00		\$56.58		
1/26/2017 72290 2507 GRANGER BRUCE 3 18.84 3.00 \$56.52	1/24/2017	72290	2507	GRANGER BRUCE		18.84	3.00	\$56.52			
1/26/2017 72285 1042 BACKHOE-2015 CAT 430F 1 41.73 3.00 \$185.19	1/26/2017	72245	1042	BACKHOE-2015 CAT 430F	1	41.73	3.00	10000	\$185.19		
Read Id - 690698-; FAIRVIEW COVE ROAD	Read Sd - 0004	DR-C FAIR	VIEW C	UVE BOAD		0.000	0.000		1.000		

Activity Id 380 Disching

Road District -4

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Date	DJ M	м	Description	Rate M	Retr	Units	Emp Cost	Equ Cost	Mat Cost	Can Cost
Project M -28-002	INOW M	AINTEN	INCE-DRAINAGE, DETCH, SHO	HLDER						
Road Id - 0004	98-: FAI8	OTEW C	OVE ROAD							
Activity M 359	E Ditching									
Road District	-4 T									
11/14/2016	72234	1217	NORTON STEVE A	- N	23.92	10.00	\$239.20			
11/14/2014	72238	1052	EXCAVATOR-WHEELED	- L -	148.69	10.00		\$1,486.90		
11/14/2018	72238	1146	HEARD FRIC W		24.40	10.00	\$244.00			
11/14/2016	72238	1067	DEMP TRUCK-2016 MACK	- E C	394.83	30.00		\$1,048.10		
18/14/2016	72238	1383	SALERS WELLAM R	3	21.62	00.00	\$216.20			
11/14/2016	72238	1620	DUMP TRUCK-2005	1	45.15	10.00		\$451.50		
11/14/2016	72238	1524	KUNN RICHARD A	- A.S.	27,75	00,00	\$217.50			
11/14/2016	72238	1055	PICKUP-2012 FORD F150	1	18.99	10.00		\$185.90		
11/16/2016	72248	1217	NORTON STEVE A		23.92	10.00	\$239.20			
11163046	72340	1052	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
11162016	72248	1144	HEARD ERIC W		24.45	10,00	\$244.00			
1119/2010	72340	0952	DUMP TRUCK-#LATHED	- U.S.	-45.45	10.00		\$454.10		
81/16/2016	72240	1588	SALERS WELLAM R	- X -	21.62	10.00	\$216.20			
1016/2016	72340	1620	DUMP TRUCK-2003	1 C	45.15	10,00		\$451.50		
11/16/2016	72248	1524	KUHN RICHARD A	3	27.75	10,00	\$217.59			
11/16/2016	72340	1855	PICKUP-2012 FORD F158	1. I.	18.59	10.00		\$185.90		
18/17/2016	22241	1324	KUHN RICHARD A		27.75	6.00	\$166.50			
11/17/2816	72341	1055	PICKUP-2012 FORD F158	1 - E	18,39	6.00		\$131.54		
11113/2016	72248	1217	NORTON STEVE A		23.92	10.00	\$239.20			
11/17/2016	72241	1012	ENCAVATOR-WHEELED	1.1	148.69	10.00		\$1,486,96		
01/17/2046	72340	1581	SALERS WELLAM R	3	21.62	10.00	\$216.20			
10/13/2016	72381	3420	DUMP TRUCK-2008	1	45.15	50.00		\$451.50		
11/28/2016	72248	1217	MORTON STEVE A		23.92	10,00	\$219.20			
11/28/2016	723,48	1852	EXCAVATOR-WHEELED	1.1	148.69	10.00		\$1,485.90		
13/28/2016	72248	1144	REARD ERIC W		24.40	10.00	\$244.00			
11/28/2016	72248	0952	DUMP TRUCKPLATBED	100 B	45.45	50.00		\$454.10		
11/28/2014	72248	1581	SALERS WELLAM R	3	21.62	10.00	\$216.20			
11/28/2016	722#8	1820	DUMP TRUCK-2003	L	45.15	10.00		\$431.50		
11/28/2016	72248	1524	KUHN RICHARD A		27.75	10.00	\$277.50			
11282916	72348	1855	PICKUP-2012 FORD F158	1	18.99	10.00		\$185.90		
11/29/2016	72349	1217	NORTON STEVE A	3	23.92	10.00	\$219.20			
11/29/2016	72249	3452	EXCAVATOR-WHEFLED	1	548.69	10.00		\$1,486.90		
11/29/2016	72249	1.580	SALERS WELLAM R		21.62	10.00	\$216.20			
11/29/2010	72249	3426	DUMP TRUCK-2003	1	45.15	10.00		\$451.50		
13/29/2016	72349	1144	HEARD ERIC W		24,40	10.00	\$244.00			
13/29/2016	71249	0952	DUMP TRUCK-PLATBED		45.41	10.00		\$454.10		
15/29/2016	722/49	1514	KUHN RECHARD A	3	27.75	10.00	\$277.50			
18/29/2016	72249	1855	PICKUP-2012 FORD F158	1 C	18.59	10.00		\$185.90		
1311/2010	72252	1217	NORTON STEVE A	3	23.92	10.00	\$239.20			
12/1/2016	72252	9652	ENCAVATOR-WHEELED	E	148,65	10.00		\$1,486.90		
13/1/2016	72352	1144	HEARD ERIC W		24,40	10.00	\$244.00			
12/1/2016	722.52	0952	DUMP TRUCKRLATBED	1	45.41	10,00		\$454.10		
12/1/2016	72252	1198	TALTON STEVEN W		24.07	10.00	\$248,70			
13/1/2016	71252	1020	DUMP TRUCK-2005	1	45.15	10.00		\$451.50		
12/1/2014	72252	1524	RUHN RICHARD A		27.75	10.00	\$277.50			
12/1/2014	71252	1055	PICKUP-2012 FORD F158	1	18.99	10,00		\$185.90		
\$2/5/2016	72254	1217	NORTON STEVE A	- 3	23.92	10,00	\$739.20			
K3/5/2016	72254	0052	EXCAVATOR-WHEELED	1. A	148.09	00.00		\$1,486.90		
12/5/2016	77254	1541	SALERS WELLAM R	3	21.62	10.00	\$216.20			
12/5/2906	73254	1430	DUMP TRUCK-2003	1	45.15	10.00		\$451,50		
13/5/2016	72354	1144	HEARD ERIC W	- X -	24.40	00.00	\$244,00			
13/5/2014	72254	0952	DUMP TRUCK-FLATBED	E	45.48	00.00		\$454.10		
12/5/2014	72254	1524	KUHN RICHARD A	3	27.75	10.00	\$217.50			
12/5/2016	72254	1955	PICKUP-2012 FORD F158	1	18.59	39.00		\$185.99		
13(6/2014)	22245	1514	KURN RICHARD A		27.95	6.00	\$166.55			

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Date	DJ M	N	Description	Rate Id	Rate	Coatte.	Emp Cost	Equ Cast	Mat Cost	Con Con
Project 1d - 28-002 Read 5d - 8004	IROW M	AINTEN/	INCE-BRAINAGE.DITCH.SHO	ULDER			10000000			
Activity Id. 350	. fürching		ore more							
Band District	-4									
13/6/2006	72254	2015	PROCESSION FORD F150	1.5	18.59	6.00		\$111.14		
13(6/2006	12145	1217	NORTON STEVE A	1	23.92	10.00	\$219.20			
13/6/2006	33254	1012	ENCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
13/6/2016	22255	1542	SALERS WILLIAM R	3	21.62	10.00	\$216.20			
13/6/2016	72255	1039	DUMP TRUCK-2003	1	45.15	10.00	4411141	\$451.50		
13/6/2016	12255	1144	HEARD FRIC W		24.40	10.00	\$244.00	1.1		
12/6/2016	72255	0952	DUMP TRUCK FLATRED	1	45.41	16.00	1000	\$454.10		
12/7/2016	72256	1217	NORTON STEVE A	2	23.92	5.00	\$119.60	20033		
13/102016	72256	1052	EXCAVATOR-WHITELED	1.1	148.69	3.00	1.1.1.1.1.1.1.1	\$141.45		
12/12/046	72296	1585	SALERS WILLIAM R	3	31.63	5.00	\$108.10			
13/70906	72256	1030	DUMP TRUCK-2860	1.5	45.15	5.00		\$325.75		
13/12016	32256	1198	TALTON STEVEN W	3	34.07	1.00	\$120.35			
13/5(2016	72256	0952	DUMP TRUCK-FLATBED	1.1	45.41	3.00		\$227.05		
12/7(2016	722.56	1524	KURN RICHARD A	3	27.75	5.00	\$158.75			
12/3/2016	72256	1035	PICIKUP-2012 FORD F150	1.0	18.59	5.00		\$92.95		
12/8/2016	72257	2127	ALLEN JORDAN	3	15.38	2.50	\$40.95			
12/9/2016	72251	1040	BACKHOE-3915 CAT 430F	1.1	64.73	2.90		\$154.33		
12/6/2016	72257	1491	NAIL JAMES	3	22.43	3.50	\$56.08			
12/8/2016	73257	1068	DUMP TRUCK-2016 MACK	1.5	104.81	2.50		\$242.03		
12/8/2016	72257	8297	NORTON STEVE A	2	23.92	2.50	\$59.80			
12/6/2016	72257	1052	EXCAVATOR-WHEELED	100	148.69	2.55	2003	\$371.73		
12/8/2016	72257	1585	SALERS WILLIAM R	3	21.62	2.55	\$54.05			
12/8/3916	72237	1020	DUMP TRUCK-2005	1.2	45.15	2.50		\$112.88		
12/8/2916	72257	1144	HEARD ERIC W	3	24.40	2.50	\$61.00			
12/8/2010	92253	0952	DUMP TRUCK-FLATBED	1.1	45.41	2.50		\$113.50		
12/9/2016	72257	1524	KUSIN RICHARD A	3	22.25	2.90	\$69.38			
12/9/2016	72251	1055	PICKUP-2H2 FORD F150	1.1	18.59	2.90		546.48		
12/8/2016	72253	1000	TRAILER-2009	1	12.47	2.50		\$31.18		
12/6/2016	72287	1001	DUMP TRUCK-2010	100	47.93	2.55		\$119.83		
Road Id - 0004	994 FAIR	NIEW D	BLIVE.							
Activity 1d 354	Disching.									
Read District	.1									
1924/2016	72218	0027	BRYANT JURY A	3	29.89	5.00	\$149.45			
10/24/2016	72218	0997	DUMP TRUCK-2068	10 C	47.19	3.00		\$235.95		
10/24/2016	72218	1042	BACKHOE-2015 CAT 430F	1	66.73	5.00		\$308.63		
10242016	72218	2315	STOWERS SHEA	3	20.48	5.00	\$1007.40			
10/24/2016	72218	0883	DUMP TRUCK-FLAT BED	1.	43.56	5.00		3216.80		
10/24/2016	72218	1130	OUTHERY THOMAS	3	25.95	5.00	\$104.75			
10/24/2016	72218	0981	PERCEP	1.1	18.31	5.00		\$91.55		
10/24/2016	73218	2597	GRANGER BRUCE	3	18.70	3.00	\$93.50			
10242016	72218	1066	DUMP TRUCK-2016 MACK	1.5	104.83	5.00		\$324.05		
12/12/2016	72259	0027	BRYANT BIRRY A	3	29.89	4.00	\$119.56			
12/12/2016	72259	0997	DUMP TRUCK-2008	1.1	47.19	4.00		3188.76		
12122806	72259	2597	GRANGER BRUCE	3	18,70	4.00	\$74.80			
12122016	72239	1066	DUMP TRUCK-2016 MACK	1.1	104.81	4.00		\$419.24		
1212/2016	73259	1196	PATTERSON WELLIAM J	3	21.05	4.09	\$84.20			
12/12/2016	72239	1004	TRUCK-PICK UP FLAT CREW	6 E.	24.91	4.00		599.64		
1212/2016	73259	2354	WINN TOMMY L	3	15.05	4.00	\$64.20			
12/12/2014	71259	1809	PERKINS ROCER L	3	21.49	4.00	\$83.06			
12/12/2014	72299	1042	BACKHOE-2015 CAT 400F	1.0	68.73	4.00		\$346.92		
246/2017	72302	1117	MASHINGTON ROBERT E	3	27.95	3.00	583.79			
26/2011	72302	1005	TRUCK-2007 FORD F158	1.1	18.86	3.00		\$56.34		
246/2017	72593	0027	DRYANT JERRY A	3	30.20	3.00	\$90.60			
2/6/2017	72,902	0997	DUMP TRUCK-2008	0.5	49.36	3.00		\$148.08		
2/6/2017	72502	2365	STOWERS SHEA	3	20.62	3.00	\$61.86	0.0000000		

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Date	DJ M	14	Description	Rate Id	Rate	Units	Emp Cost	Eqs Cost	Mat Cost	Con Cas
Project 1d - 28-062 Road 1d - 0004	TROW MA	INTEN/	ANCE-BRAINAGE,DITCH,SHO BRIVE	ULDER						
Activity 1d 350	Ditching									
Read District	-2									
2/6/2917	72302	1016	BROOM	1.2	41.06	3.00		\$123.18		
2/6/2017	72362	1809	PERKINS ROGER L	3	21.78	3.00	\$63.34			
2/6/2017	73503	1029	DUMP TRUCK-2006	1.5	49.56	3.00		\$148.08		
2462917	12302	2502	GRANCES BRUCH	3	18.84	3.00	\$56.52			
2/6/2017	72302	0181	PICKUP	1.1	18.85	3.00		356.58		
2/6/2017	72302	2128	CATTLING LEVAR		10.01	3.00	\$57.80			
26/2017	23303	1041	BACKHOF, 2013 CAT (MF	1.1	65.73	3.00	100000	\$185.29		
Hand 14 - 0000	IG. FAIR	VIEW B	CAD		1000	1000		100000		
Autority 14, 350	Ditching		0.6							
Band District										
1318/3016	777764	4477	DESCRIPTION OF		70.00	10.00	6708.00			
1314/5414	895564	- debite P	For Darker The Local and		47.10	10.00	3010.00	8471.00		
12000000	100.00	1047	DACKING MILL CAT FINE	- 22	44.75	10.00		5017.30		
12/2/2010	102234	1994	CONTRACTOR AND A CONTRACT AND A	100	00.00	10.00	statut bet	3017.20		
12/5/2016	7,2254	1000	GIPSON ADAM		19,80	10.00	3136.09	Bak2 85		
12/5/2016	72254	1029	DUMP TRUCK-2008		46.35	10.00	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	2401.30		
12/5/2916	72254	1196	PATTERSON WILLIAM J	9.5	21.05	10.00	3210.50			
12/5/2016	72254	0943	PICKUP-2001 DODGE RAM		13.79	16.00		\$131.59		
12/6/2016	73259	0027	BRYANT JERRY A)	29.89	10.09	1298.90			
12/6/3916	72255	0997	DUMP TRUCK-2008		42.19	16.00		\$471.99		
12/6/2016	72255	1042	BACKHOE-2915 CAT 438F	1 C	61.73	10:00		\$617.30		
13/6/3016	72258	1196	PATTERSON WILLIAM J	3	21.05	10.00	\$210.50			
12/6/2016	72255	0943	PICKUP-3001 DODGE RAM	1.	13.79	10.00		\$137.90		
12/6/2016	72255	2595	GIPSON ADAM	3	19.60	30.00	\$196.00			
12/6/2016	72255	1029	DUMP TRUCK-2006	1.1	46.35	10:00		\$463.30		
12/12/2016	73259	0027	BRYANT/ERRY A	3	29.89	3.09	\$89.67			
12/12/2016	72239	0997	DUMP TRUCK-2008	1.1	47.19	3.00		\$541.57		
12/12/2016	73259	2907	GRANGER BRIDCE	3	18.70	3.00	\$56.10			
12/12/2016	72279	1066	DUMP TRUCK-2016 MACK	1.1	106.81	3.00		\$314.43		
121220016	73259	1196	PATTERSON WILLIAM J	1.1	21.05	3.00	\$63.15	100 March		
12/12/2016	72249	1004	TRUCK-PICK UP FLAT CREW	6 E -	24.91	3.00	257.03	\$74.71		
13/12/2016	71259	2154	WINN TOMMY L	1.1	16.05	3.00	\$48.15	01000000		
12/12/2006	222.66	1899	PERCINS ROCER L		21.49	3.00	364.47			
12/12/2016	77240	1047	BACKHOE-2015 CAT 410F	1.2	63.73	3.00	0.000	\$181.79		
Boad Id - 0005	IL FORE	VALL	EVROAD							
Activity 14, 244	Distant									
Read District										
134/5/2014	89940	100	CONTRACTOR V THE MEAN		33.95	1.00	4004.11			
10100000	Waters .	1000	COLUMN TOP BASES OF		1.48.00	5.00	1004.13	12141.45		
12122000	722279	1000	DETTOR OF ADDE C		140.00	1.00	1012 00	Post of		
12122010	72239	1998	DUTION CLASSE C		104.00	2.00	2012-000	WHEN PARTY		
10102010	12229	1099	DUSP DECK-2016 SOUCK		104.41	1.00	4000.40	30154.00		
12122006	73259	2915	STOWERS SHEA		20,48	3.00	3002.40	and the second		
12122006	12229	1001	TIUX.K-2008 PORD P499		27.92	1.99		3139.00		
15/12/2016	72259	2123	SEARS MARQUETTE		15.91	2.00	\$82.85			
12/13/2016	72260	1100	OUTHERY THOMAS		20.95	10.00	\$209.50	As in the line		
12132016	72260	1053	EXCAVATOR-WHEELED		148.89	10.09	10.030	\$1,486.39		
12/13/2016	73268	1468	DETTON CLAUDE C	3	18.40	10.99	\$184.00			
1513/2016	72260	1064	DUMP TRUCK-2016 MACK	- E.	101.81	10.09		\$1,548.10		
12/13/2016	72260	2215	STOWERS SHEA	э.	30,48	10.08	\$204.80			
1213/2014	72268	1003	TRUCK-2008 FORD F490	1.	27.92	16.08		\$279.28		
12/13/2016	72268	2523	SEARS MARQUITTE	3	36.41	10.00	\$264.10			
12/14/2014	72263	1120	OUTHERY THOMAS	3	33.95	10.00	\$209.90			
12/14/2014	72261	1053	EXCAVATOR-WHEELED	1.1	148.69	10.00		\$1,486.90		
12142016	72261	1458	DUTTON CLAUDE C	3	18.40	10.00	\$184.00			
12/14/2016	77268	1064	DUMP TRUCK-2016 MACK	1.	104.81	10.09		\$1,648.10		
12/14/2014	72264	2523	SEARS MARQUETTE	3	35.41	10.06	\$164.05	100000000000000000000000000000000000000		

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Date	DJ M	M	Bracription	Rate 14	Bate	Units	Emp Cost	Equ Casi	Mat Cost.	Con Car
Project 1d -28-002	BEROW M	AINTEN	ANCE-DRAINAGE,DITCH,500	CLOCK		0.010				1000
Read Ed - 0005	RN-: FOR	D VALL	EY ROAD							
Activity M -35	0 Disching									
Road District	1-1	in the second	NAMES AND ADDRESS OF ADDRESS	2.5	100.000	1000		A 100 100		
12/04/2006	73261	1031	TRUCK-2008 FORD FASE	- 26	23,92	10.00		\$279.28		
12/14/2016	72364	2515	STORERS SHEA	2	20.48	10.00	1204.80			
12/15/2010	12262	1139	PROST RANDALL C	1	38.26	10.00	1007.00	and the second		
12/15/2016	72262	1034	PICKUP-2012 PORD F159	- 22	18.59	10.00	47400.000	\$183.99		
12/15/2006	72362	1100	GUIDERY TRUMAS	100	10.95	10.00	2704.26	-		
12/15/2010	72262	1053	EXCAVATOR-WHEELED		148.09	10.90		21/480.94		
12/15/2006	32282	2468	DUCION CLAUDE C	- 11	18.40	10.00	2194.00	A1 1 1 1 1 1		
12/15/2010	712952	3094	DUMP TRUCK-JUIN MACK	- 11	104.83	10.00		21/542.10		
12/15/2016	72262	2525	SEARS MARQUETTE		35.41	10.00	2084.11	-		
12152010	73263	10010	TRUCK-2008 PORD HOR		27.92	10.00	#75.54 MIR	2014/10		
12/15/2016	72362	2515	STOWERS SHEA		20,48	10.00	\$204.80			
12119(2016)	72265	1017	WASHINGTON ROBERT E.	20	37,78	10.00	3477.80	a		
12179/2016	72263	1005	TRUCK-2007 FORD F150	2.5	18.30	10.09	17500 A.R.	2010.00		
12/19/2016	72365	1000	OUTHERY TIKIMAS	2	20.95	10.00	1208.30			
12/19/2016	72263	1053	EJICAVATOR-WHEELED		148.69	10,00		21/486.20		
12/19/2016	73265	2585	GPSON ADAM		19.50	10.00	3134.00			
15/18/2006	72265	1029	DUMP TRUCK-2006	100	46.35	10.00	Access	\$463.50		
12/19/2016	72265	2523	SEARS MARQUETTE	2	16.41	10.00	2004.10			
12/19/2016	72263	9981	PICKUP		18.21	10.00		\$10.10		
1219/2006	72265	2534	WINN TOMMY L	ð	35.05	10.00	\$166.30			
15/20/2016	72266	1507	WASHINGTON ROBERT E	3	27.78	10.00	\$277.80	1000000		
12/20/2016	72266	1095	TRUCK-2007 FORD F138	- U.S.	18.30	10.09	22.30	\$183.00		
12/20/2016	72366	1500	GUTHERY THOMAS	2	20.95	10.00	\$209.50	1		
12/20/2016	72266	1053	EXCAVATOR-WHEELED		148.69	10.00		\$1,486.90		
12/20/2016	72266	1468	DUTTON CLAUDE C	3	18,40	10.00	\$184.00			
12/20/2016	72266	1066	DUMP TRUCK-2016 MACE	1. C	101.81	10.00		\$1,048.10		
12/29/2016	72266	2525	SEARS MARQUETTE	3	16.41	10.00	\$164.10			
12/20/2016	72266	1001	TRUCK-2008 FORD F450	10	27.92	15.99		\$279.20		
12/20/2016	73266	2534	WINN TOMMY L	3	36.05	10.00	\$160.59			
2/14/2017	72309	2417	WASHINGTON ROBERT E) ·	22.93	10.00	\$279.30			
3/14/2017	72309	1025	TRUCK-2007 FORD F150	103 H	-18.86	10.00		\$188.40		
2/14/3017	71309	0027	DRYANT JURRY A	3	38.20	10.00	\$302.00			
3/14/2017	72309	0998	DUMP TRUCK-2008 GMC	- 10 -	49.36	10.00		\$493.60		
2/14/2017	72309	1041	BACKHOE-2013 CAT 430F	1 K -	63.73	10.08		\$617.30		
2/14/3911	72309	2587	GRANGER BRUCE	3	18.84	10.09	\$188.40			
3/14/3017	72309	1029	DUMP TRUCK-2006	1.2	49.56	10.00		\$403.60		
2/15/2017	72310	1517	WASHINGTON ROBERT E	3	27.95	10.00	\$279.30			
2/15/2017	72310	1005	TRUCK-2007 FORD F158	1.2	18.86	10.00		\$188.60		
2/15/0017	22310	0027	BRYANT JERRY A	3	30.20	10.00	\$302.00			
2/15/2017	72310	0997	DUMP TRUCK-3808	1	49.35	10.00	1110-1110-1	\$483.60		
2/15/2017	72319	1041	BACKHOE-2013 CAT 4NIF	1.	61.73	10.00		\$617.30		
2/15/3017	71310	1809	PERKINS ROOFE L	3	21.78	10.00	\$217.80	10000		
2/15/2017	72840	1029	DUMP TRUCK 3006	1.0	49.36	10.08	11234	\$493.60		
2/15/2017	72310	2455	STOWERS MILEA	1.1	29.62	10.00	\$304.20	1.111		
2/15/2017	72345	0981	PICKUP	100	18.85	10.00		\$188.60		
Boad Id - 0008	23+ FOU	RHAWK	S FATH ROAD	1.5						
Activity 54, 340	. Bitching									
Read District										
15/2/2014	999400	3434	HEL AND	100	34.97	3.44	\$50.44			
100.0000	22544	1041	BACKBOR, MILLOAT AND	1.1	44.99	2.44	200.00	12141-02		
120220010	22240	2412	SHEET ER DAVED		16.72	2.00	241.01	1154.24		
10000000	03544	1000	THE REPORT OF A DESCRIPTION	1.1	104.00	2.44	341.33	0000		
100.00000	10010	0000	KELLEY PROPERTY A		34.02	2.44	111.43	dealer of a		
101203010	21545	100/09	NULLEY DODALD R	100	14.00	1.00	9/3/44			
Bandid other	DA. EREE	ATTACHUR .	CHURCH DD		14.30			911.20		

Date	DJM	14	Description	Rane M	Retr	Units	Keep Cost	Equ Cost	MatCost Con Con
Project ld -28-002 Road Ld - 0005	180W M	UNTER NORTH	ANCE-BRAINAGE, DITCH, SHU CHURCH RD	ULDER	- 2000				
Activity 14 354	Ditching								
Road District	-4								
1/9/2017	72280	3491	NAIL JAMES	3	22,73	2.50	\$16.78		
1/9/2017	72289	1048	DRIMP TRUCK-2016 MACK	1.0	104.81	2.50		\$262.88	
1/9/2017	32280	2527	ALLEN FORDAN		16.54	2.50	\$41.36		
149/2017	77280	1040	BACKHOE-2015 CAT-610F	1.1	61.73	2.50		\$154.33	
1/9/2017	72280	1000	TRAILER-2009	- E	12,47	2.50		\$31.18	
1/9/2017	72280	1001	DUMP TRUCK-2010	11	49.36	2.50		\$123.40	
Road Id - 0005	35- GALL	LANT B	OAD						
Activity Id. 350	P Ditching								
Read District	-4								
2/7/2017	72303	2127	ALLEN KORDAN	1.2	16.54	18.00	\$165.44		
2/7/2017	72303	1043	BACKHOE-2015 CAT 430F	1.1	61.73	18.00		\$617.30	
2/2/2017	72505	1000	TRAILER-2009		12.47	10.00		\$124.20	
2/7/2017	22303	1001	DUMP TRUCK-2010	- 22	49.36	10.00		\$493.60	
2/2/2017	22303	2412	SERVICE FOR DAVED		16.97	15.00	\$169.20		
2/2/2017	22300	1069	DEMP TRUCK-MILE MACK	1.1	104.81	10.00		12.048.00	
2/2/2017	91003	17755	PUBLY DAMES IN		28.11	5.00	5110.15		
2/2/2/2/2	93.963	0004	POSET AND CHEVY COM	- 12 ·	16.43	5.00	404030	2003102	
1/10/10/2	72248	7474	MANY PROVINCE A COMPANY		14.14	4.00	447.70	preserver -	
10000013	TAXA.	1041	DACKING MILLOUT AND	1.20	61.25	6.00	200-19	1101-01	
10000017	10.048	104.0	LAND AND AND AND AND AND AND AND AND AND		14.70	4.60	101.45	2002.00	
10000017	71248	2507	MULTING NUMBER	- 22	10.05	8.00	942.45	407.00	
5/30/2017	12,048	URL P	PLACE	- 11 - I	14.42	2.00		812.00	
Road Id - 9985	als GAN	NUCS NO	AD.						
Activity to act	a pitching								
Road Destrict	10000	Constant of Consta	CONTRACTOR & PROPERTY AND		1000	1000			
12/5/2016	72254	13.00	OUTHERY THOMAS		20.95	5.00	3104.75	mint in	
12/5/2018	72234	1053	EXCAVATOR-WHEELED		148.09	5.00	1000	3742.45	
12/5/2010	72254	1458	DUTTON CLAUDE C		15.40	3.00	202.00		
12/5/2016	72234	1054	DUMP TRUCK2016 MACK	- 24	194,61	-5.00	4110.70	\$524.65	
15/5/2018	72254	1110	MOGATISA CRARLES K		23.94	5.00	2110.00	P1100.00	
12/5/2016	72234	1001	TROCK 2008 PORD F490		27.92	5.00		2130.00	
12/5/2016	71254	2554	WINN TOMMY I.		15.05	5.00	\$80.25		
Road 1d - 9965	44+ GAR	RETTR	OAD						
Activity Id. 359	Dateling								
Road District	-1	a succession		12.2	0.000	299.35	1.000		
1/3/3013	72290	0027	BRYANT JERRY A		30.20	5.00	\$151.00	1	
1/13/2017	72299	0997	DUMP TRUCK-2008		49.36	3.00		\$246.88	
1/23/2617	72290	1041	BACKHOE-2015 CAT 4NIF	1	64.73	5.00		\$308.65	
1/23/2017	73290	2307	GRANGER BRUCE		18.84	5.00	\$94.30		
7/17/2011	72290	0981	PICKOP		18.86	5.00		\$94.30	
Read Id - 0005	46-1 GAIU	RY ROA	- Dr						
Activity 54 364	Disching								
Read District	-4								
3/35/2917	72296	1217	NORDON STEVE A	3	24.20	3.00	\$73.60		
101.2017	72296	1052	EXCAVATOR-WHITELED	- E	148.69	3.00		\$446.07	
101/2917	72296	1164	HEARD ERIC W		24.69	3.00	\$74.03		
1/16/2017	72296	1067	DUMP TRUCK-2016 MACK	- B. 1	104.81	3.09		\$314.43	
1/31/2017	73296	2512	SHEELER DAVID	3	16.92	3.00	\$50.76		
1/36/2017	72296	1069	DUMP TRUCK-2016 MACK	1.2	104.81	3.00		\$314.43	
Read 1d + 0005	54-: GEN	E WHIT	TROAD						
Activity M 450	Disching								
Read District	-3								
12/14/2016	72261	2121	HEL AMOS	1	39.27	1.50	\$30.41		
12/14/2016	72260	1943	BACKHOE-2013 CAT 4NIF	1	64.73	1.50		\$92.60	
10/14/2016	71261	0679	KELLEY DONALD R	3	30.17	1.50	\$45.36	1.55	
12/14/2014	72260	0983	PICKUP	1.1	\$4.95	1.50		\$22.48	
		00		69.	1200				
PA	10E 29 OF	90				E	TOWAH COUN	III - DOCUME	INI JEI 4-2

Date	0.0114	. M	Description	Bane M	Rate	Units	Emp Cost	Equ Cost	Mut Cost	Con Cost
Project 34 - 28-082 Boad 54 - 0905	S4+ GEN	UNTEN/	INCE-DRAINAGE, DITCH, SHO T ROAD	ALDER						
Activity Id 35	Ditching									
Boad District										
13/14/2016	22361	2107	ALLEN JORDAN	3	16.38	1.50	\$24.97			
12/14/2016	77263	1040	BACKHOE-3913 CAT 4MF	1	64.75	1.90		\$90.68		
13/14/2006	37361	1481	NAIL JAMES	3	72.43	1.50	\$33.63			
13/54/2004	97940	104R	DOMP THIS & - MIS MACK		104.81	1.50	and the	\$157.22		
13040004	12144	1212	NUMBER OF STREET		23.42	1.50	\$35.88	40000		
13040006	27263	1047	ENCANATION - WHEELED		148.60	1.50		\$221.64		
120.4700.6	10400	1-101	SALERS WILLIAM P		21.62	1.55	\$32.43	ALC: NO		
130.67604	2254.0	1005	DO IND TRUETS - 3003		45.15	1.55		547.75		
130.000	12200	1144	DEADY DROCK SHO		16.60	1.45	\$24.40			
121042000	0.0001	1194	DEPART DATE W	2.1	45.41	1.55	4.90.00	100.07		
120.0000000	10000	247.4	COMPTRIAL A		33.54	1.60	501.63	200.12		
120.000	72240	1004	PROPERTY AND ADDRESS OF ADDRESS O		10,00	1.65	941.00	4117.000		
Baselia and	14.100	BACK STA	PROVIDENT PORD F150		18.29	1.39				
Head Id - 0005	00-1 U.C.O.	Made and	000000000000							
Activity to des	a necessi									
Hourd Destroit	and a second	1000	THE R ADDRESS OF		20.22	10.00	4303.30			
10/13/2009	722.09	2321	HELL ANOIS		20.27	10.00	3202.70	001730		
11/13/2019	12339	1043	INCOMPTING AND CAT AND		66.73	10.00		5017.30		
11/15/2016	72239	1000	TRAILER-2009	1.0	12.47	10.00		3124.70		
15/15/2016	12239	1001	DUMP TRUCK-2010		47.90	10.00		2454.39		
11/15/2016	78239	2312	SHEELER DAVID		36.27	10.00	2047.70			
15/15/2016	72239	1069	DUMP TRUCK-2016 MACK		104.81	10.00		\$1,042.19		
11/15/2016	722.99	1491	NAIL JAMES	3	22.43	9:50	\$201.87	1.1.1.1.1		
11/15/2016	72239	1068	DUMP TRUCK-2016 MACK	1 C	TOURT.	9.00		\$940.29		
208/0817	72524	1217	NORTON STEVE A	3	24.20	3.00	\$72.60	10111-01		
2/28/2017	72323	1052	EXCAVATOR-WHEELED	. R.	148.89	3.00		\$446.07		
2/38/2017	72321	1381	SALERS WILLIAM R	3	21.90	3.00	\$65.79			
2/28/2017	72323	0952	DUMP TRUCK-FLATBED		49.36	3.00		\$148.08		
2080017	72321	1524	KURIN RECHARD A	3	27.90	3.00	\$83.70			
2080017	72323	1055	PICKLIP-2013 FORD F150		18.86	3.00		\$56.58		
3/1/2017	72523	1217	NORTON STEVE A	3	34.20	10.00	\$343.00			
3/9/2017	72323	1052	EXCAVATOR-WHEELED	1	148.69	16:00		\$1,486.99		
3/1/2017	72923	1144	HEARD ERIC W	3	34.69	16.00	\$246.98			
3/9/2017	72823	1067	DUMP TRUCK-2016 MACK	1.	104.81	16.00		\$1,048.19		
3/1/2017	72523	1583	SALERS WILLIAM R	3	21.90	10.00	\$219.06			
3/9/2012	72333	0952	DUMP TRUCK-FLATHED	- 8.C	49.36	10.00		\$493.60		
3/1/2017	72323	1124	KURN RICHARD A	3	27.90	10.00	\$279.00			
3/1/2017	72323	1055	PICICUP-2012 FORD F150	8.0	18.86	10.00		\$188.60		
3/2/2017	72324	1124	KUNIN RICHARD A	3	37.90	5.00	\$139.50			
3/2/2017	72334	1055	PICKUP-2012 FORD F159	1.	18.86	5.00		\$94,30		
3/2/2017	72324	\$217	NORTON STEVE A	3	34.20	5.00	\$121.00			
3/2/2017	72334	1052	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
3/2/2017	72524	1181	SALERS WILLIAM R	3	21.90	5.00	\$109.50			
3/2/2017	72324	0952	DUMP TRUCK-FLATBED	10	49.35	1.00		\$246.80		
3/2/2017	72324	1144	HEARD ERIC W	3	34.69	5.00	\$123.45			
3/2/2017	72334	1067	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$124.05		
3/6/2017	72327	1144	HEARD ERIC W	3	24.69	1.09	\$24.69			
3/6/2017	12525	1067	DUMP TRUCK-2018 MACK	1.0	104.81	1.00		\$104.81		
3/6/2017	72327	\$217	NORTON STEVE A	3	34.20	10.89	\$342.00			
396/2017	72327	1052	EXCAVATOR-WHEELED	12	148.69	10.00		\$1,486.90		
3/6/2012	72527	1581	SALERS WILLIAM R	3	31.90	10.00	\$219.00			
3/6/2017	72321	0952	DUMP TRUCK-FLATRED	111	49.35	10.00		\$493.60		
3/6/2017	72327	1124	KUNN RICHARD A	3	27.90	10.08	\$279.00			
3/6/2017	72327	1025	PICKUP-2012 PORD F159	1.5	18.86	10.00	22542	\$188.60		
3/3/2017	73328	1217	NORTON STEVE A	3	34.20	10.00	\$242.00			
3/3/3017	72328	1052	EXCAVATOR-WHEELED	100	148.69	10.00		\$1,485.90		

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date	DJ M	50	Description	Rate M	Rate	Units	Emp Cast	Equ Cost	Mat Cost Cost	Cort
Project M -28-002 Road M - 0005	STROW M	AINTEN RGE JO	ANCE-DRAINAGE,DITCH,SIH HNSON ROAD	OULDER						
Activity M -35	0 Disching									
Boad District	1-3									
3/3/2017	72328	1144	HEARD ERIC W	3	34.69	10.00	\$346.90			
3/7/2017	72/128	1037	DOZER-2015 CAT DOTNL	1	173.81	10.00		\$1,738.10		
3/3/2017	32328	- 1101	SALERS WILLIAM R	3	21.90	10.00	\$219,00			
3/3/2017	72328	0952	DUMP TRUCK-FLATBED	1 C	49.56	10.00		\$493.60		
3/2/2017	72328	1134	KUHN RICHARD A	3	27.90	10.00	\$279.00			
3/7/2017	72328	1055	PICKUP-2012 FORD F150	1.1	18.86	10.00		\$188.60		
3/8/2017	12329	1217	NORTON STEVE A	3	34.20	5.00	\$121.00			
3/8/2017	72329	1052	EXCAVATOR-WHEELED	3	148.69	5.00		\$343.45		
3/8/2017	72329	1144	HEARD ERIC W	3	24.69	5.00	\$223.45	9333.69		
5/8/2017	72329	1067	DEMP TRUCK-3816 MACK	1	104.81	5.00		\$324.65		
3/8/2017	22129	1181	SALSES WILLIAM R		21.90	5.00	\$109.10			
58/2017	72129	0952	DUMP TRUCK-FLATSED	1	49.56	5.00		\$246.80		
346/2017	72129	1124	KURIN RICHARD A		21.90	5.00	\$139.90	10000		
5000017	93139	1055	PROPERTY AND DESCRIPTION	1.1	18.86	5.00	400000	594.30		
Road Id - 0006	GRI GRI	ILAND.	ROAD		18.00					
Actual Id. 34	A Distant									
Read District	a second									
12/21/20/06	*****		ATTEN PERMAN		14.74	1.00	100.24			
12/21/20/00	102067	10.00	BACKING MILCHT PUR		41.75	3.00	9401.14	FORM INC.		
12/21/2016	12,000	1040	ENGLISHER AND		42.75	3.00		2082.19		
122122016	72280	1000	TRADER-2009	100	42.41	3,00		4141		
10/21/2010	12280	1001	DOMP TRUCK-2010		47.93	3.00		\$143.79		
12/21/2016	712057	1491	NAIL JAMES	3	22.43	3.00	507.29			
12121/2016	72280	1068	DUMP TRUCK-2016 MACK		104.81	3.00		2014-40		
1/9/2017	71289	1493	NAIL JAMES	9	22.73	2.50	356.78	and the second		
1/9/2017	72290	1068	DUMP TRUCK-2014 MACK		104.83	2.50	200 A.	\$262,00		
1/9/2017	72289	2527	ALLEN KORDAN	9	15.54	2.50	\$41.36			
1/9/2017	72280	10eb	BACKHOE-2015 CAT 400P		44.73	2.50		\$154.30		
1/9/2017	72290	1000	TRAELER-2009		82,47	2.50		221.18		
1/9/2017	72280	1001	DUMP TRUCK-2010		49.36	2.50		\$123.40		
Road Ld - 0005	72< GLE	NN GAP	ROAD							
Activity Id 38	Disbing									
Road District	-3									
12/6/2016	72255	2528	CARROLL MARCUS		17.83	3.00	\$53,49			
12/6/2016	72255	0998	DUMP TRUCK-2008 GMC	8	47.19	3.00		\$141.57		
12/6/2046	72255	1809	PERKINS ROGER L	3	21.49	3.00	\$64.47			
12/6/2016	72255	1066	DUMP TRUCK-2016 MACK	E	104.81	3.00		\$314.43		
12/6/2016	72235	2523	SEARS MARQUETTE	3	15.43	5.00	\$49.23			
12/6/2016	722:15	0981	PICKLIP	1	18.21	3.00		\$54.50		
12/6/2016	72255	1040	BACKHOE-2015 CAT 430F		61.73	3.00		\$185.19		
12/6/2016	72235	2515	STOWERS SHEA	8	20.48	3.00	\$61.44			
12/6/2016	72255	1653	EXCAVATOR-WHEELED		148.69	3.00		\$466.07		
12/6/2016	72245	1468	DUTTON CLAUDE C		18.49	3.80	\$55.30			
12/6/2016	72295	1564	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.43		
12/6/2016	72245	1110	MCGATHA CHARLES K		23.94	3.00	\$71.82	233234		
1246/2015	72255	1634	TRUCK-2008 FORD F450	1	27.92	3.00	1949 8	\$83.36		
12/8/2016	22288	21114	WINN TOMMY L		05.0%	3.00	\$48.11	1.000		
1/14/2017	77290	1196	PATTERSON WILLIAM J	3	24.19	3.00	\$63.97			
104/08/7	993444	0540	PICKER-MOLDOPOLE RAM		14.42	3.00	2000-011	541.34		
1040619	00000	1414	CARROLL MARCES		18.74	3.00	405.14			
1714/2017	100.04	1047	DEALERSTREE, MARKED & MARKED		41.71	3.00	400.00	8182.00		
Read to a plat	ALC: 121.02	CER BO	Internet and a second second second		41.12			100.11		
Automatica and and	Disking									
Acomy to Jos	in the stand									
MARE PERCIN	and the second		Automatic and a		24.00		g			
2012/2017	72335	1217	MUNITURI STRATE A		28.29	5.00	3121.00	P1001.00		
A15/2011	12335	1612	ENCAYATOR-BUILLED		148.09	3.00		3043.45		
PA	AGE 61 OF	98				E	TOWAH COUN	TY - DOCUME	NT SET 4-2	

Deter	Ditte	100	Description	Barry Bri		Sinter-	Des Cost	See Cont.	Martford	Case Car
Project M 28-002	LIBOW M	AINTEN	ANCE BRAINAGE DITCH SIM	NLOFR	1.11	1.000	and the second	of the second		1.100 0.100
Boad Id - 0005	54: GLO	VER RO	AD							
Activity M 350	D Disching									
Road District	-3	S.	100 000 000 000	1.20	V1000	00225	101210-012			
3/15/2017	72395	1106	HEARD ERIC W		24,69	5.00	\$123.45	1000		
3/13/2017	72338	1067	DUMP TRUCK 2016 MACK	- C.	104.81	3,00		\$3,24,85		
Read 1d - 0006	14: IEAR	RELSON	N RD.							
Activity 14 - 356	Disching									
Road District	-3									
2/9/3017	72305	6317	NORTON STEVE A		28,29	5.00	\$121,00			
2/9/2017	72305	1052	ERCAYATOR-WHEELED		148.69	5.00	1.000	\$343.45		
2/9/2017	72305	1381	SALERS WILLIAM R	1	21.90	5.00	\$109.30	-		
2/9/2017	72905	0952	DUMP TRUCKFLATBED		49.56	5.00	0.000	\$244,88		
5/9/2012	72305	1144	HEARD ERIC W		28.69	4.00	\$98.76	and and		
2/9/2017	72308	1067	DUMP TRUCK-2016 MACK		104.81	4.00		\$419.24		
Hoad Id - 0006	27-: HAY	NES RD.	NAMES AND ADDRESS OF ADDRESS OF							
Activity 14 450	Disching									
Road District	-4						1000			
12/27/2014	71270	1124	KUNN RICHARD A	3	37,75	3.00	583.25			
12/27/2016	72279	1055	PICKUP-2012 FORD F150		18.59	3.00		\$53.77		
12/27/2016	71270	2354	WINN TOMMY I.		16.05	3.00	548,15			
12/27/28/06	72279	0953	PICKUP	- E	18.07	3.00	1000	\$54.21		
12/27/3016	73270	2126	CARROLL MARCUS	- B.	17.83	3.00	\$53.49			
12/27/2016	72279	1040	BACKHOE-2013 CAT 430F.	£	62,73	3.00		\$183.19		
12/27/2016	72270	1000	TRAILER-2009	- E.	82.47	3,00		\$37.41		
12/27/2016	72279	1001	DUMPTRUCK-2010		42.93	3.00		\$143.79		
12/22/2016	73270	2510	HRFF WALTER B	3	18.38	3.00	\$55.34			
Road Id - 0006	73-; HOL	LIDAY	CIRCLE							
Activity M 258	Ditching									
Road District	-3									
3/23/2017	72340	0679	KIELLEY DONALD R		30.45	2.00	\$60.90			
202/0813	72340	0983	PICICUP	- E	15/41	2.00		\$30.82		
7/31/3012	72340	2527	ALLEN SORDAN		16.54	2.00	\$33.09			
301/0917	72348	1043	BACKHOE-2015 CAT 400F	F	44.73	2,00		\$123.46		
3/21/0917	72340	2531	MAYS IMMY R	3	35.54	2.00	\$33.08			
3/21/2017	72349	1028	DUMP TRUCK-3985 FORD	1	39.15	2.00		578.30		
3/23/2917	72340	1491	SOUL DAMES	3	22.71	2.00	545.42			
3/33/2917	72340	1068	DUMP TRUCK-2016 MACK		104.81	2.00		\$209.62		
3/21/2017	72348	1000	TRAILER-2009	E	12.47	2.00		\$24.94		
3/28/2017	72348	1001	DUMP TRUCK2010	- E	49.36	2.00		\$98.72		
3/31/3913	73340	2512	SPEELER DAVID	3	16.92	2.00	\$33.84			
Road Id - 0000	98-(HOP)	C STREE	CT							
Activity M -258	Disching									
Road District	-3									
108/3017	72323	1317	NORTON STEVE A	3	34.20	2.00	548.40	12222		
3/38/3017	72331	1052	EXCAVATOR-WHEELED	- F.	148.69	2.00		\$297.34		
208/2017	72321	1583	SALERS WILLIAM R	3	21.90	3.00	565.70			
2/28/3017	72325	0952	DUMP TRUCKFLATIND	1.5	49.36	3.00		\$145.08		
2/28/2017	72321	1524	KURN RICHARD A	3	27.90	3.00	\$83.70			
1/38/3917	72321	1055	PICKUP-2012 FORD F150	5	18.86	3.09		\$56.58		
Road Id - 0005	06-: HOR	TON GA	PROAD							
Activity M 250	Ditching									
Road District	-3									
12/8/2016	72257	2501	MAYS IMMY R	3	16.39	2.90	\$40.98			
12/8/3016	92257	1043	BACKHOE-3015 CAT-600F	- E	60.73	2.50		\$154.33		
12/8/2016	72257	2512	HR/FF WALTER B	3	18.38	2.59	\$45.95			
12/8/2016	72257	0953	PICKLP	1	18.07	2.50		\$45.18		
12/8/2016	72257	2512	SHEELER DAVID		15.77	2.50	541.93			
12/6/2016	72297	1069	DUMP TRUCK-2016 MACK	1.	104.81	2.50		\$342.03		
14110			where we define the property of			1				

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1200	2227	2.5	10432233	2.2	1273		12.12.1	122212		1000
Date	DUM	N	Description	Rang Ed	Rett	Dates	EmpCont	Lacon	MarCon	Con Case
Project M - 38-003 Read Ed - 0007	16-: HOR	INTEN TON GA	ANCE-DRAINAGE,DITCH,SIN JP ROAD	OCLDER						
Activity 14 350	bitching									
Road District	-3									
13/8/2016	72257	0679	KELLEY DONALD R	3	30.17	2.50	\$75.40			
12/8/2016	72257	0983	PICKUP.	1.	14.93	3.50		\$37.33		
Read Id - 0007	10-: 100%	ELTON	CHURCH ROAD							
Activity 1d -350	b Ditching									
Read District	-1									
2/6/2017	72302	1217	NORTON STEVE A	3	24.20	2.00	\$48.40			
249/2017	72302	1052	EXCAVATOR-WIBELED	1.	148.69	2.00		\$297.38		
2/6/2017	72302	1581	SALERS WELLAM R		21.90	2.00	\$43.80			
26/2017	22302	0952	DUMP TRUCK-FLATBED	1.1	49.36	2.00	51262	\$948.72		
2/6/2017	72302	\$344	HEARD ERIC W	3	24.69	2.00	\$49.38	10000		
26/2012	92302	1067	DUMP TRUCK-2016 MACK		104.81	2.00	0.00	\$209.62		
2/2/2017	22303	1217	NORTON STEVE A		24.20	5.00	\$121.00			
2/2/2017	72303	1057	DECAVATOR-WHEELED		148.69	5.00		\$243.45		
2/2/2017	22203	1181	SACIERS WELLIAM R		21.90	5.00	\$109.50	4110010		
2/3/2017	27303	0057	INDEPTHICK - PLATRED		49.16	1.00	1000.00	\$246.85		
2/1/2/2017	12,000	1104	WEARD FRICK		24.60	1.00	0.0023-045	100000		
2010/2011	99566	1062	THE DEPTHY AND MAKE		104 21	4.00	acres of	\$534.05		
2000000	12,000	1007	ANALY TRUCK-STREETS		24.20	3.00	877.64	aneres .		
209(2097	22554	ALC: Y	PARTIES STEVE A		100.00	3.00	312,00	5444.00		
-2780201 P	12,009	100.0	EXCAVATOR-WHELLED		346.00	3.00	64.0 100	Particular.		
208/2017	72394	1361	SALICE WILLOAD K	2.1	21.90	3.00	300.79			
298/2007	72,904	0854	DOMP TRUCK-PLATHED		10.00	3.00		3048.08		
2/8/2017	72304	1144	HEARD ERF. W	3	24.09	3.00	374,00	877.4 AT		
28/2017	72304	1097	DUMP TROCK-2016 MALK		104.81	3.00		2014/40		
Round 14 - 00007	HI-I IYAA	ROAD								
Activity 5d -354	Deshort									
Road District	Cell S		Surger and Surgers in the							
11/2/2016	72229	12117	NORTON STEVE A		23.92	5.00	\$119.60	10.00 A.C.		
11/2/2910	72229	1052	EXCAVATOR-WHEELED		148.09	3.00		\$10.45		
11/2/2016	71229	1144	HEARD FREC W	3	24.40	5.00	\$122.00			
10/2/2016	72229	1067	DUMP TRUCK-2016 MACK		106.81	5.00	12202	\$524.05		
11/2/2016	71229	1524	KUHN RICHARD A	2	27.75	3.00	\$138.75			
11/2/2016	72229	1055	PICKUP-2012 FORD F158	B. 2	18.59	5.00		\$92.95		
Road Id - 0007	451 J 114	CKERR	OAD							
Activity Id. 359	5 Ditching									
Road District	-1									
12/6/2016	72257	2526	CARROLL MARCUS	3	12,83	4:90	\$71.33			
12/8/2016	72297	0998	DUMP TRUCK-2008 GMC		47.19	4.00		\$188.76		
12/6/2016	73257	2305	GIPSON ADAM	3	19.69	4.00	\$78,40			
12/6/2016	92257	1029	DUMP TRUCK-2006	1.1	46.35	4.00		\$185.40		
12/8/2016	72257	2128	CATTLING LEVAR		18.81	4.00	\$25.34			
12/8/2016	72257	0981	PICKUP		18.31	4.00		\$73.24		
12/8/2016	71257	2534	WINN TOMMY L	3	16.05	4.00	\$64.20			
Road Id - 0002	48-; JACK	SONTI	RAIL.							
Activity M -358	Ditching.									
Road District	-1									
12/3/2016	72256	2527	ALLEN KIRDAN	3	16.38	10.00	\$163.80			
12/7/2014	72256	1045	BACKHOE-2013 CAT-400F	1	64.75	10.08		\$617.30		
12/3/2016	72256	1001	DUMP TRUCK-2010		47.93	16.99		\$479.30		
12/5/2016	72256	1000	TRAILER-2009	122	12.47	10.00		\$124.70		
12/3/2016	72254	1491	NAIL JAMES	3	22.43	1.00	\$22.43			
12/3/2014	72256	1066	DUMP TRUCK-MILLMACK	1.	101.81	10.00		\$1,648.10		
12/8/2016	23267	2527	ALLEN KORDAN	3	25.10	3.50	\$40.95			
12/8/2015	72252	1545	BACKHOE-2011 CAT ONE		63.73	3.58		\$154.11		
12/8/2016	72247	1491	NAIL JAMES		22.43	2.90	\$54.08			
15/8/0414	77245	1000	DEMP TRUCK - NUM MACT	1.1	104.01	3.68		\$242.03		
10.0010			The second se							

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Date	DUM		Description	Rate M	Rete	Units	Emp Cost	Equ Casi	Mat Cost	Con Cont
Project M -28-802 Road Ed - 0007	STROW M	AINTEN/	ANCE-BRAINAGE, DITCH, SHO RAIL	ULBER						
Activity M 35	0 Ditching									
Boad District	1.4									
13/8/2016	32257	1217	NORTON STEVE A	3.	25.92	2.58	\$59.80			
12/8/2016	72251	1052	ERCAVATOR-WHEELED	1.5	148.69	2.50		\$371.73		
12:00/2006	12257	1161	SALERS WILLIAM R	2	21.62	2.50	\$54.05			
13(8)2006	22253	1020	DUMP TRUCK - 2003	10	45.15	3.56		\$112.88		
13/8/2006	72257	1144	REARD ERIC W		24.40	2.58	561.00			
13/0/2016	73257	0952	DUMP TRUCK-FLATRED	- E	45.41	2.90	1000	\$115.53		
13/8/2006	12257	1534	KURIN RICHARD A	2	22.25	2.55	509.18	222.223		
13/8/2005	21247	1015	PICKUP-2012 FORD F159	1.1	18.59	2.50	2000	\$46.48		
138/2005	71247	1000	TRAILER-2009		12.47	2.58		\$31.18		
12:0/2006	03943	1005	NUMP TRUE & - 1610	1.1	47.93	2.58		\$119.83		
Bund 54 - 0007	SAL JACK	HS BO	AD	5.5						
Activity 14, 39	0 Disching	- and period								
Read Bistoire										
1716/2016	annie .		LET T ADALTS	10	100.000	4.00	501.00			
12/6/2010	14455	2729	BACKNON MALCAT AND	100	41.77	4.00	1001.000	1000000		
12/6/2010	74230	2442	IMCM00E-2815 CAT 420F		10.77	4.00	10100	25,00,05		
12/6/2016	742350	2362	SHEELER DAVID	- 22	00.77	4.00	267.08	6410.34		
12/6/2010	78210	1069	DOMP TRUCK 2016 MACK		104.81	4.00	durate est	2415/24		
12/6/291/6	12258	96.79	KELLEY DONALD R	a	. 30,17	4.00	\$120.08			
12/03/10	72255	6682	PROCUP	- 51	14,93	4.09		\$59.72		
12/6/3010	71255	1000	TRAILER-2009	- 80 H	12.47	3.00		\$37.41		
12/6/3916	71248	1001	DUMP TRUCK-2010		47.93	3.00		\$10.79		
Road Ed - 0007	63: 100	RY CIRC	лк.							
Activity M. 35	0 Ditching									
Road District	1-2									
10/27/2016	72224	-9927	BRYANT JERRY A	3	29.89	3.99	\$89.67			
10/27/2006	72223	0997	DUMP TRUCK-2008		47,19	3.00		\$141.37		
16/27/2016	32221	1468	DUTTON CLAUDE C	3	18.40	3.00	\$55.20			
18/27/2016	72239	1064	DUMP TRUCK 2016 MACK	- E.	104.81	3.09		\$314.43		
39/27/2016	73223	1042	BACKIRGE-2015 CAT-430F		61.73	3.00		\$185.19		
Road Ed - 0007	164 - JOHE	NSON R	OAD							
Activity 14 .35	0 Ditching									
Road District	-4									
1/26/2017	72293	2526	CARROLL MARCUS	3	18,78	4.00	\$73.53			
1/36/3917	72290	0998	DUMP TRUCK 2008 GMC	1.0	49.36	4.00		\$197.44		
1/26/2017	72293	2128	CATTLING LEVAR	3	19.01	4.00	\$76.04			
1/26/2017	72299	0981	PICICUP	E.S.	18.86	4.09		\$25.44		
1/26/2017	32290	2597	GRANCER BRUCE	3	18.84	4.00	\$75.36			
1/26/2017	72290	1042	BACKHOE-2011 CAT 430F	1.0	61.73	4.00		\$346.92		
Road Ld - 0008	DB-I KICE	NER GA	P BOAD							
Activity 1d -35	b Ditching									
Road District	1.2									
12/1/2016	12252	9027	BRYANT JERRY A	x -	29.89	4.00	\$119.56			
12/1/2016	71212	0997	DUMP TRUCK - 2008	100	47.19	4.00		\$188.76		
13/1/1916	72253	TRING	PERIONS ROOTE C	1	28.49	4.00	\$85.96	0.000		
12/1/00/6	22243	10/00	DUMP TRUCK-2006	20	45.35	4.00		\$185.40		
13/1/2016	12243	2128	CATTERNETENAN		18.81	4.00	\$75.24			
1311/9806	03943	4941	PROPERTY AND A DESCRIPTION OF A DATA		13.79	8.00		\$15.16		
1311/3016	99543	1047	DACKING JUSICAT AME		44.75	4.00		\$745.07		
1/10/10/17	22,224	diam'r.	DRVANT IERRVA		30.00	1.00	100.40			
LUNCTURE T	12204	0007	DEDAID THE STATE ADDR	2.5	49.54	1.00	174.000	1142.00		
ALCONDOL 7	122080	0000	CONF TRUCK-2008		40.30	3.00	100.00	5145.06		
11156,201.7	10,188	4397	CONTRACTOR CONTRACTOR	50	10.01	3,000	419.71	0.000		
111962011	10268	0.081	PR. BAR		18.89	3,00	and the	\$39.76		
1/1%/2817	12288	1916	PERGINS ROGER L		23.78	3,09	10.34	*****		
1/14/3811	72288	1065	DUMP TROCK-2016 MACK	- KG	104.81	3.00		\$396.63		
1/19/2017	72288	1041	BACKHOR-JBI3 CAT 430F	1	60.75	3.00		2182.18		

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10,210,000	12.00	234	1333a203		1.000	8,835	7.2112251		12000	1.1.2
Detr	DJ 54	M	Description	Rate 14	Rate	Units	Kep Cost	Equ Cost	Mat Cost	Con Can
Project M -28-003 Based I:d - 0008	180W M	NER LA	ANCE-DRAINAGE,DITCH,SHO NE	ULDER						
Activity 14 350	E Ditching									
Road District	-4									
2/16/2917	72343	0027	BRYANT JERRY A	3	30.20	4.00	\$120.80			
2/16/2017	72311	0998	DUMP TRUCK-2008 GMC	1.1	49.36	4.00		\$197.44		
2/16/2917	72311	1809	PEREINS ROOFR L	3	21.78	4.00	\$87.12			
2/16/2017	22311	1029	DUMP TRUCK-2006	1 C C	49.36	4.00		\$197.44		
2/16/2017	72311	1045	BACKHOE-2013 CAT 430F	- E.S.	41.73	4.00		\$246.92		
2/16/2017	72313	1359	FROST RANDALL C	3	30.54	2.50	\$76.35			
2/16/3017	723111	1054	PICKUP-2612 FORD F150		18.86	2.50		\$47.15		
Hoad Id - 0008	16< KER	III LANI	E.K.							
Activity \$4,350	Disching									
Road District	-4									
15/3/3916	72233	8217	NORTON STEVE A	3	23.92	3.00	\$71.76			
10/20016	72233	1052	EXCAVATOR-WHEELED	- E -	148.69	3.00		\$446.07		
15/50016	72230	1144	HEARD ERIC W	A	24.40	3.00	\$73.20			
11/3/2016	72230	1067	DUMP TRUCK-2018 MACK	1	104.83	3.00		\$314.43		
12/03016	72233	1181	SALIDS WILLIAM R	3	21.62	3.00	\$64.88			
11/3/2016	72233	1950	DUMP TRUCK-2003		45.15	3.00		\$135.45		
16/7/2016	72233	1124	KUHN RICHARD A	3	27.25	3.00	\$83.25			
16/3/2016	72333	1055	PICICUP-2012 FORD F150	1. C	18.59	3.00		\$53.77		
Boad Id - 0008	18- KER	RI LANI	L W							
Activity Id. 259	b Ditching									
Read District	-4									
11/3/2016	72233	1217	NORTON STEVE A	3	23.92	4.90	\$95.68			
15/2/2016	72233	1052	EXCAVATOR-WHEELED	- E.	148.69	4.00		\$594.36		
11/32016	72233	1104	HEARD ERIC W	3	24.40	4.00	\$97.60			
15/32016	72233	1067	DUMP TRUCK-2016 MACK	1 C	104.83	4.00		\$419.24		
15/3/2016	72233	1381	SALERS WILLIAM R		21.62	4.00	\$86.48			
10/00049	72233	1020	DUMP TRUCK-2000		45.15	4.00		\$180.60		
10/302016	72233	1124	KEHN BICHARD A	3	27.75	4.00	\$111.00			
10/32016	72233	1055	PICKUP-2012 FORD F150	1	18,59	4.00		\$74.36		
Road Id - 0008	194 KER	SHAWQ	PUARTERS RD							
Activity M 454	Ditching									
Road District	-2									
12/14/2016	72263	0027	DRYANT JURY A	8	29.89	2.99	\$74.73			
12/14/2016	72364	0997	DUMP TRUCK-2008	8	47,19	2.50		\$117.98		
12/14/2016	72264	1045	BACKHOE-2013 CAT 430F	÷	44.73	2.50		\$254.33		
12/14/2016	72260	1809	PERKINS ROCER L	9.	21.49	2,99	\$53.73			
12142016	72368	0882	DUMP TRUCK-PLAT BED		43.36	2.99		\$108.40		
12/14/2016	77268	2534	WINN TOMMY L		36.05	1.50	\$40.13			
12/14/2016	72364	1004	TRUCK-PICK UP PLAT CREW		28.91	2.90		267.38		
12/14/2016	72263	2997	GRANCER BILUCE	3	18,70	2.50	\$46.75			
12142016	72364	1066	DUMP TRUCK-2016 MACK	1.1	104.81	2.50	2121.00	\$262.00		
1003012	72299	0027	BRYANT JEDGEY A		30.20	4.00	\$120.90			
1062017	12295	0997	DUMP TRUCK-2008	1.1	49.36	4.00		\$297,44		
FORG013	72295	1809	PERSING RECEIR L		21.78	4.00	\$87.12	Sec. 1.		
1002917	72295	1029	DUMP TRUCK-2006	10	49.30	4.00	2000	\$297.44		
1062017	72299	2507	GRANGER BRUCE	3	15.54	4.00	\$75.36	122.2		
136/3011	12295	0940	PRALIP-2001 DODGE RAM	1. C	14,42	4.00		\$57.68		
1363913	11299	2323	SEARS MARQUETTE		35.54	4.00	\$66.15	100 m		
10462017	72295	1041	BACKHOE-2013 CAT 430F	1. C	.44.73	4.00		\$246.92		
Read Id - 0008	MAX KIRI	IN HOAD								
Activity 14 - 350	Dishing									
Road District	-1									
11172012	72282	2382	SPECIAL DAVID	3	16.90	7.00	3018,44			
14170913	12182	1009	DEMP TRUCK-2016 MACK		104.81	1,00	and shares	2:00.67		
011/3013	127943	2021	HILL AMOS		20.56	3.00	2043.92			
PA	GE 65 OF	98				E	TOWAH COUN	TY - DOCUME	NT SET 4-2	

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Date	DJM	M	Description	Rate M	Rate	t/eits	Keep Cost	Equ Cost	Mat Cost	Con Con
Project M -28-002 Road Ed - 0008	180W M	UNTEN IN ROAD	ANCE-DRAINAGE, DETCH, SHO D	ULDER						
Activity 14 200	Disching									
Read District	6-1									
1/11/3017	72282	0061	PICKUP-1992 CHEVY C2300	- E	16.43	7.00		\$115.61		
1/11/0817	72282	2531	MAYS RMMY R	3	10.54	7.00	\$115.78			
1010047	72282	1043	BACKIRDE-2015 CAT 430F	1	41.73	7.00		\$432.11		
Boad Id - 0008	ST: LAK	ESTRE	EF							
Activity 1d -350	Disking									
Road District	-4									
2/7/2017	72300	1217	NORTON STEVE A		24.20	5.00	\$121.00			
2/7/2017	72369	1052	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
2/7/2017	72503	1581	SALERS WELLAM R		21.90	5.00	\$109.50	0.625.5		
2/7/2017	12363	0952	DEMP TRUCK-FLATBED	1	49.36	5.00	2103339	\$246.80		
2/7/2017	72300	1144	HEARD ERIC W	1	16.90	5.00	\$84.90			
2/7/2017	72369	1067	DUMP TRUCK-2014 MACK	1.2	104.81	5.00		\$534.05		
Road Id - 0008	TI-LAK	EVIEW I	DRIVE							
Activity M. 244	Disching									
Read District	-1									
3/3/2017	97204	1212	NORTON STEVE A	2.90	24.20	4.00	\$26,80			
2/1/2017	72798	1052	EXCAVATOR - WHEELED	1.1	148.69	4.00		8594.26		
10,0007	22206	1981	SALUES WELLAM P		71.90	4.00	\$87.60			
bit Origin	10168	0057	DEMP TRUCK BLATHED	1	49.14	4.00		\$197.44		
201/2010	111104	11.04	MEAND FROM W		24.68	4.00	100.14			
241/2010	TYPE	1067	DEMP TRUEY, 2014 MACK	1.1	104 81	4.00		8479.24		
THE PART	10100	1717	ACRETICE EVENE A		24.20	1.55	\$14.30	Access		
200,0001	21240	1057	EXCAVATOR - WRITELED		147.44	1.50	210.00	STTL DA		
200,000,0	22200	1004	CALIFIC INTERACTOR		71.00	1.50	£17.85	Andrew		
2002007	72,902	1201	COMPTONY DATED		40.14	1.50	312.85	874.04		
210/2010 1	10,004	11.64	DOMP TROCK-FLATHED		74.00	1.50	411.44			
2/06/2019 1	10.799	1000	THE ARE THE ATT. MAN AND THE		100.00	1.00	300.000	100000		
2/562010 P	12,982	11007	DOMPTICK A-2009 MACK		24.83	1.29	1223.00	\$137.62		
20802057	72304	1417	NUMPER STRATE A	1.1	100.00	3.00	\$12.89	A 444 (17)		
1000007	72,994	1054	EXCAVATOR-SCHEDULED		248,69	3.00	and an	Base of		
2/8/2017	72364	1381	SALERS WELLAM R		21.90	3.00	\$60.78	*****		
anticology r	72.904	9902	DOMP TRUCK-FLATHELT		49.30	3.00	10.00	3148.08		
2002017	72308	1044	HEARD ERG, W	1.1	24.09	3.00	414.01	#144.8 AT		
2962017	72394	1067	DUMP TRUCK-2006 MACK		294.81	3.00		\$204.45		
Round 1 d - 0000	OPC LAT	srikerou	SBOAD							
Activity he abs	Detahing									
Rand Destrict	- I	Cardo -	CONTRACTOR DATABASED	10.20	100.000	10.000				
12/5/2010	72234	1010	CARROLL MARLOS		11.40	10.00	3018.30	1000		
12/5/2016	22224	19998	EXCASP TRUCK AND THE COME		41.19	. 10,00		5471.90		
12/5/2010	72254	1041	BACKHOL-2013 CAT 450F		01.73	10.00	1.000.000	3917.30		
12/5/2010	12234	1809	PERCENT ROLL	1.2.1	21.49	10.00	3214.99	and the second second		
12/5/2016	32354	1063	DUMP TRUCK-2006 MALK		104.83	10.00	-	31,048.00		
12/5/29/06	72234	1513	SEARS MARQUETTE		10.43	10.00	3164.00			
12/5/2944	72254	0561	PRCKUP		18.31	10.00		3183.09		
12/5/2016	72234	2515	STOWERS SHEA		20.48	30.00	\$204.80			
12/6/2016	72297	2506	CARROLL MARCUS		17.83	3.99	222.46			
12/8/2016	12251	0996	DUMP TRUCK~2008 GMC	1	47.19	3,00		\$141.37		
12/8/2016	12237	4505	GIPSON ADAM		29.00	3.00	\$58.80			
12/8/2016	12157	1629	LR, MP TRUCK K 2006	1.1	46,35	3.00	1000	2110.05		
12/8/2016	72257	2528	CATTLING LEVAR		18.81	3.00	\$36,43			
12/8/2016	32257	0981	PRALIP		18.31	3.00		\$54,51		
12/8/2016	72217	2534	WINN DOMMY I.	1.1	16.05	3.00	548.15			
13/13/2016	722,99	1516	CARROLL MARCUS		17.83	3.60	\$49.15			
13/12/2014	712599	0998	DUMP TRUCK 2004 GMC	1	47.19	5.00	and on the	\$233.95		
12/12/2016	72199	2905	OFFSON ADAM		19.60	5.00	258.00	-		
13/13/2046	72259	1129	DUMP TRUCK-2006	1	46.35	5.00		\$231.75		

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date	DIM		Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cast	Cost Cost
Project 54 -28-002	TROW M.	AINTEN	ANCE-DRAINAGE, DITCH, SHO	LINER						
Read 1d - 0000	09+: LAY	SPRING	IS ROAD							
Activity Id. 35	8 Ditching									
Road District	1-2			1.021.0	122.03	2020	11000			
12/12/2016	72239	1110	MCGATHA CHARLES K		23.94	5.00	\$119,70	12000		
12/12/2014	72159	0583	PICKUP	L .:	18.31	5,00	1000	\$91,55		
12/12/2016	72259	2528	CATTLING LEVAR	1	18.81	5,00	\$84.05			
13/13/3016	72259	1041	BACKHOE-2015 CAT 430F	1	.61.73	5,00		\$306.65		
1/24/2017	72290	0627	BRYANT JERRY A		30,29	5.00	\$131.00			
1/24/2017	32294	6993	DUMP TRUCK-2008	1	49,36	5.00		\$246.80		
1/34/2017	72291	1043	BACKHOE-2015 CAT 436F	1	41.79	5,00	635-66	\$305.63		
1/24/2017	72256	1468	DUTTON CLAUDE C		18.56	5.00	\$92.80	1990		
1/24/2017	72294	1629	DUMP TRUCK-2006	1	49.36	5.00	8833	\$246.88		
1/24/2017	72299	2507	GRANGER BRUCE	3	18.84	5.00	\$94.20	8,283,00		
3/34/2017	72291	0817	PICKUP	1	14.42	5,00		\$72.16		
1/24/2017	72296	1110	MCGATHA CHAILES K	3	24.22	5.00	\$121.10			
3/24/2017	72294	0816	PICKUP	1	14,42	5.00		\$72.10		
2/7/2017	72300	1517	WASHINGTON ROBERT E	3	27.93	2.50	\$69.83			
3/7/2017	72340	1605	TRUCK-2007 FORD FESD	1	18.86	2.59		\$47.15		
3/T/201T	72360	0627	BRYANT JERRY A	3	30.20	2.50	\$15.50			
3/1/2017	72343	0997	DUMP TRUCK 2008	1	49.36	2.59		\$123.40		
2/7/2017	72360	2528	CATTLING LEVAR	3	19,00	2.50	\$47.53			
3/7(2647	72343	0816	PICKUP	1	14,42	2.50		\$36.05		
2/7(2017	72303	1809	PERGNS ROGER L		21.78	2.50	\$54.45			
3/7/2017	72365	1129	DUMP TRUCK 2006	1	49.36	2.50		\$125.40		
3/20147	72305	1530	OUTHERY THOMAS	3	21.10	2.50	\$32.75			
2/2/2647	72343	1893.	EXCAVATOR-WHEELED	- t -	148.69	2.50		\$371.73		
3/7/2047	72303	1041	BACKHOE-2013 CAT 430F	1	61.73	2.50		\$154.33		
3/7/2047	72360	1468	DUTTON CLAUDE C	3	18.56	2.50	\$46.40			
2/7/2047	72303	1064	DUMP TRUCK-2016 MACK	1	104.81	2.50		\$162.63		
3/7/2047	72360	2526	CARROLL MARCUS	3	18.38	2.50	\$45.95			
3/7(2047	72303	0581	PICKUP	E	18.85	2.50		\$47.15		
2/10/04/7	723403	2515	STOWERS SHEA	3	30.62	2.50	\$51.55			
2/6/2017	72364	1530	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
2/8/2017	72364	1853	EXCAVATOR-WREELED	1	148.09	5.00		\$743.43		
2/8/2017	72504	1468	DUTTON CLAUDE C	3	18.56	5.00	\$92,80			
2/8/2017	72304	1064	DUMP TRUCK-2016 MACK	1	104.83	5.00		\$534.05		
196/2017	72304	2526	CARROLL MARCUS	3	18.38	5.00	\$91.90			
2/8/2017	72304	1004	TRUCK-PICK UP FLAT CREW	1	26.78	5.00		\$133.90		
2/8/2047	72304	2515	STOWERS SHEA		20.62	5.00	\$100.00			
18/2017	72364	1517	WASHINGTON ROBERT E	1	27.93	5.00	\$139.65			
2/8/2017	72304	1005	TRUCK-2907 FORD FESD	1	18.86	5.00		\$94.30		
2/9/2017	723455	4550	GRITHERY THOMAS		21.30	00.00	\$211.00			
1902017	72305	1853	EXCAVATORWHETLED	1	348.69	00.00		\$1,486.90		
3/9/2017	72305	1044	DUTTON CLAUDE C	3	18.36	10.00	\$185.60	140.000		
2/9/2047	22305	1064	DUMP TRUCK-2016 MACK	1	104.88	00.00		\$1,048.10		
2/9/2017	72305	2528	CATTLING LEVAR		19.01	10.00	\$190.10			
3/9/2017	72305	1004	TRUCK-PICK UP FLAT CREW	1	26.78	90.00		\$267.80		
3/13/2017	77308	1512	WASHINGTON ROBERT E		27.93	5.00	\$139.65			
3/13/2017	71368	1005	TRUCK-2007 FORD F150	1	18.86	5.00		\$94.30		
3/13/2017	72308	1530	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
3/13/2017	72308	1853	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
2/13/2017	77306	1464	DUTTON CLAUDE C	1	18.56	5.00	\$92.80			
3/13/2012	72308	1044	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
3/13/2017	72308	2516	CATTLING LEVAL	T.	29.01	5.00	\$95.85			
3/13/2012	72308	1004	TRUCK PICK UP PLAT CREW	1.1	26.78	5.00	2.555	\$133.90		
3/26/2017	72315	2515	STOWERS SHEA		20.62	3.00	361.85	1000		
2/21/2017	72345	0998	DUMP TRUCK-2008 GMC	1	49.36	3.00		\$148.08		
3/31/2017	22305	2565	CEPSON ADAM		19.88	3.00	\$19.64			

Report Date: 05/15/2017 Report Id: Rppro912.rpt

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	DJ M	M	Bescription	Rate M	Rate	Units	Emp Cost	Eqs Cost	Mat Cost	Con Cost
Project 14 - 28-882 Road 54 - 8609	IROW M	AINTEN	ANCE-DRAINAGE,DITCH,SHO 25 ROAD	LDER						
Activity Id 350	Ditching									
Boad District	-2									
2/21/2017	72515	1066	DUMP TRUCK-2016 MACK	1. C	504.81	3.00		\$314.43		
2/21/2017	72315	2534	WINN TOMMY L	3	16.19	3.00	\$48.57			
2/21/2017	72313	0982	PERUP	1.1	18.85	3.00		\$56.58		
2/21/2017	72515	1048	BACIDIOE-2013 CAT-08E	- E.	61.73	3.00		\$185.19		
2/28/2017	72321	2536	CARROLL MARCUS	3	18.38	10.09	\$183.80			
2/28/2017	72521	0988	TRAILER-UTILITY	1	3.41	10.99		\$34.55		
2/28/2017	72321	1041	BACKHOE-2H3 CAT 408F	1.	61.73	10.08		\$617.30		
2/28/2017	72321	1195	PATTERSON WELLIAM J	2	21.19	10.00	\$211.56			
2/28/2017	72521	8943	PICKUP-29H DODGE RAM	1.10	34.42	10.00		\$144.29		
2/28/2017	72321	2534	WINN TOMMY I.	3	16.19	10.08	\$161.90			
3/21/2017	72340	0027	BRYANT JERRY A	3	30,20	6.00	\$1\$1.20			
3010917	72340	8997	DUMP TRUCK-2008	E.1.	49.35	6.08		\$296.16		
5/21/2017	73340	1041	BACKHOE-2013 CAT 458F	1.5	61,73	6.98		\$376.38		
5/21/2917	72340	2507	GRANCER BRUCE	3	18.94	6.00	\$118.04			
3210917	72340	0943	PICKUP-2001 DODGE RAM	1.1	14.42	6.00		\$86.52		
3/21/2017	72340	2505	GIPSON ADAM	3	19.88	6.00	\$119.28			
32129IT	72340	1809	PEREINS ROGER L	1	21.78	6.00	\$130.68			
3/21/2017	72340	1065	DUMP TRUCK-3016 MACK	1.0	104.81	6.00		\$628.86		
3/22/2017	72341	9027	BRYANT JERRY A	3	38.20	5.09	\$151.00			
30230917	72341	0997	DUMP TRUCK-2008	1	49,36	1.00		\$346.99		
3030917	72541	1041	BACKHOE-3H5 CAT 430F	1.1	61.73	3.00		\$308.65		
30250917	72341	2507	GRANGER BRUCE	3	15.04	3.89	\$94,20			
3/22/2917	72541	0943	PICKUP-2001 DODGE RAM		14.42	5.00		\$72.10		
3/22/2017	72341	2565	GIPSON ADAM	3	19.88	3.00	\$99.40			
3/22/2017	72341	1809	PERKINS ROGER L	3	21.78	5.00	\$168.90			
3020917	72141	1065	DUMP TRUCK-2016 MACK	1.1	104.81	1.00		\$124.05		
3060917	72348	2536	CARROLL MARCUS	3	18.38	4.00	\$73.52			
3/56/2017	72348	-2997	DUMP TRUCK2008	1.1	49.35	4.00		\$197.44		
3362917	72348	8045	BACKIBOE-3815 CAT 436F	1.2	61.73	4.00		\$346.92		
3/39/2917	72348	0809	PERKINS ROGER L	3	21.78	4.00	\$87.12			
3/56/2017	72348	1065	DUMP TRUCK-2016 MACK	1.2	104.81	4.00		\$419,24		
3060017	72348	2525	SEARS MARQUETTE	3	16.54	4.00	\$55.15			
3/39/2017	72548	0882	DUMP TRUCK-FLAT HED	1.1	49.36	4.00		\$197.44		
3062917	72348	2534	WINN TOMMY E.	3	16.59	4.00	\$64.79			
Road Id - 0009	18+ LEE	HOLCO	MBROAD							
Activity 14 -350	Ditching.									
Road District	-3									
3/8/2017	32329	1217	NORTON STEVE A	3	34.20	1.00	\$121.00			
3/8/2017	72329	1052	EXCAVATOR-WHEELED	1.1	148.69	5.00		\$743.45		
3/8/2017	72329	1144	HEARD ERIC W	3	24.60	5.00	\$123,45			
3/8/2017	72529	1067	DUMP TRUCK-2016 MACK	1.5	104.83	5.00		\$526.05		
3/8/2017	72329	1581	SALERS WILLIAM R	3	21.90	5.00	\$109.50			
3/8/2017	72329	@952	DUMP TRUCK-PLATBED	100	49.36	5.00		\$246.80		
3/8/2017	72329	1524	KUEN RICHARD A	3	27.90	5.00	\$139.50			
3/8/2017	72329	1055	PICKUP-2012 FORD F190	1	18.86	5.06		\$94.38		
3/9/2017	12330	1534	KURN RICHARD A	3	27.90	5.00	\$139.50			
3/9/2017	72530	1055	PICKUP-2012 FORD F150	1.5	18.55	5.00		\$94.30		
3/9/2017	72330	1217	NORTON STEVE A	3	34.20	5.00	\$121.00			
3/9/2017	72530	1052	EXCAVATOR-WHEELED	1.	148.00	5.00		\$743.45		
3/9/2017	72330	1581	SALERS WILLIAM R	3	21.99	5.00	\$109.50			
349/2017	72330	9952	DUMP TRUCK-FLATRED	10	49.36	5.00		\$245.80		
Read Id - 0009	654 LITT	LE COV	TROAD	2010						
Activity 14 250	Distant	100.000	1 a a a a a a a a a a a a a a a a a a a							
Road District	-4									
10/31/2006	72226	1217	NORTON STEVE A	3	23.92	5.00	\$119.60			
PΔ	GE 68 OF	98				CO E	TOWAH COUN	TY - DOCUMF	NT SET 4-2	
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Report Date: 05/15/2017 Report Id: Rppro012.rpt

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	BJ M		Bescription	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Con
Project Id -28-882 Road Ed - 9905	STROW M	AINTEN/	NCE-BRAINAGE, DITCH, SHO T. ROAD	NLDER						
Activity 14 35	0 Disching									
Road Distylet	-4									
10/31/2016	72226	1052	ENCAVATOR-WHEELED	1.	148.69	1.00		\$743.45		
10/31/2016	72726	1561	SALERS WELLAM R	3	21.62	3.00	\$108.10			
10/31/2016	73226	1030	DUMP TRUCK 2003		45.15	5.00		\$225.75		
10/31/2016	72726	1524	KUSIN RICHARD A	3	22.25	3.00	\$138.75			
10/31/2016	22226	1015	PICKUP-2012 FORD F150	10	18.99	1.00		992.95		
10/31/2016	72726	1144	HEARD ERIC W	3	24.40	1.00	\$122.00	- 250300		
10/31/2006	71216	1047	DUMP TRUCK-2016 MACK	1.1	104.81	5.00		\$524.65		
11/2/2016	72733	1217	NORTON STEVE &		23.92	3.00	\$21.36	63224		
11/12/04/6	72233	1042	EXCAVATOR-WIEFLED	12	148.69	3.00		\$2446.07		
11/10904	72233	1144	HEARD FRE'W		34.40	3.86	\$73.20			
14/2/2016	22233	1047	DUMP TRUCK-2016 MACK		104.81	3.00		\$314.43		
11/7/7846	12133	100	SALERS WILLIAM R		75.62	3.00	564.86			
11/1/10146	22243	1030	DUMP THUS & - 2003	1.1	45.55	1.00		\$138.45		
11/2/2016	22238	1174	KIND RY HARD A	1.1	22.25	3.00	\$85.74	denorate.		
13/12/04/6	22224	1044	PROFESSION AND ADDRESS OF	- 20	18.90	1.00	460.67	1666 77		
11.0070446	35154	1002	KENERGE CONTRACTOR		11.07	10.00	\$110.10	and stores to		
1100000000	22224	LACT.	ENCAVATOR AND ENT	1	148.00	10.00	34.59.20	11.416.00		
11000010	10000	1144	LIE ANTS FROM THE		74.40	10.00	4744.00	410,000,00		
11/0/2010	212125	and a	DEDUCTION OF A DESCRIPTION	- 24	104.81	16.05	Plantin	11.048.15		
10/90/0116	10230		COMPTROLK-SHIENDACK	- 23	21.62	10.00	4114 10	PUPER IN		
10/9/2014	745376	11041	SALERS WILLARD R		20.00	10.00	3110.30	diam' 10		
10903016	7/210	10,00	DUMP DEDCK-2003	- N.	49.55	10.00		3451.39		
Head Id - 0005	Sec Lini	LE WILL	LS VALLET BOAD							
Activity to 35	o Deschoog									
Bood District	-1		and a loss in the second set of	100	1000	1.00	100.00			
13/1/2016	72252	0027	BRTANT JURY A		29.89	3.00	261.03	1000		
17/13016	73234		DUMP TRUCK-2008		42.19	3.00	2010/01/1	204121		
12/1/2010	74250	1809	PERKINS ROGER L		22.49	3.00	394.41	A110.04		
12/10916	72252	1000	DUMP TROCK2906	1.1	45.35	1.00		2034.00		
17/1301#	70253	2128	CATTLING LEVAR		18.81	3.00	\$56.43			
12/1/9916	78234	9943	PICKUP-2011 DODGE KAM		13.39	3.00		541.37		
12/1/2016	72252	1042	BACKHOE-2913 CAT 4988		61.75	3.00		\$110.19		
1/13/3013	72286	9027	BRYANT JERRY A		30.20	4.00	\$120.80			
11112017	72288	9997	DUMP TRUCK-2008		49.36	4.00		\$297,44		
1/12/2017	71286	1941	BACKHOE-3H3 CAT 40H		60.73	4.00	10.000	22497.05		
1/13/3017	72286	2587	GRANCER BRDCE		18.84	4.09	\$75.36	Sec. N		
103/2013	72286	0981	PICKUP	- M.	18.85	4.00		\$75.44		
1/17/2917	72286	1809	PERKINS ROGER L	3	31.78	4.00	387.13			
1010911	72286	1065	DUMP TRUCK 2016 MACE		104.81	4.00		\$419.24		
2/16/2017	72341	0027	BRYANT JERRY A		30.20	3.00	\$90.60			
2/16/2017	72311	0998	DUMP THUCK-3808 GMC	- E.S.	49.36	3.00		\$348.08		
2/16/2017	72314	1809	PERKINS ROGER L	3	21.78	3.00	\$85.34			
2/16/2017	22341	1029	DUMP TRUCK-2006	1	49.36	3.00		\$148.06		
2/16/2017	72341	1041	BACKHOE-2815 CAT 450F	8	61.73	3.00		\$185.19		
2/16/3017	72341	12.99	FROST RANDALL C	3	30.54	2.50	\$76.35			
2/16/2017	72341	1054	PICKUP-2012 FORD F150	1	18.85	1.50		\$47.15		
Road Ld - 0009	694 LITT	LETON	CUT OFF ROAD							
Activity M -350	0 Ditching									
Road District	-3									
1/5/2017	72275	-8479	KELLEY DONALD R	3	30.45	2.00	\$60.90			
1/5/2017	72275	0983	PICKUP	1.1	14.95	2.00		\$29.86		
1/9/2017	72275	2532	HUFF WALTER B	3	18.67	2.00	\$37.54			
6/9/2017	72279	9903	PICKUP	1. ·	18.07	2.00		\$36.14		
1/5/2017	72273	2526	CARROLL MARCUS	3	18.38	2.00	\$36,76			
5/5/2017	72275	1040	BACKHOE-3815 CAT 4NIF	1.1	61.73	2.09		\$123,48		
1/3/3017	71275	2515	STOWERS SHEA	3	26.62	2.09	\$41.24			

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Date	DJ M	M	Description	Rate M	Rate	Units	Emp Cost	Eqs Cort	Mat Cost	Con Con
Project Id -28-00 Road Id - 000	STROW M	AINTEN	ANCE-BRAINAGE, DIFCILSIN CUT OFF ROAD	ULDUR	212.64	00000				
Activity 14 -35	0 Disching									
Road District	1-3									
1/3/2017	73274	1020	DUMP TRUCK-2003	1.1	45.15	2.00		\$90.30		
1/5/2017	22224	1000	TRAILER-2009	1.5	12.47	2.00		\$24.94		
1/3/2017	73974	1004	DUMP TRUCK-SHIP	1.1	47.95	2.00		\$91.84		
10/0017	22225	2434	WINE WHERE I		15.10	7.00	\$12.18			
Band Id . 000	20. LITT	LETON	BOAD	· · ·	10.07	1.44	404.00			
Activity 14, 34	b. Disching		and the second s							
Road Batric										
1/2/2017			COLUMN DOWNLASS IN N		10.01	7.00	100.00			
1000017	21224	0007	NULLEY DOUGHLEY IS	- 10 C	14.95	2.00	200.70	120.84		
1000011	11273	3433	IN STREET, MARKET THE TO	- 20	14.57	7.00	817.14	acc as		
1000010	22223	23942	HUPP WALSER B		18.07	3.00	311.34	and 14		
1002012	76873	493.5	PARLP		10.07	2.00	****	300.04		
1002017	72273	25,00	CARROLL MARCUS		18.38	2.00	\$20.78	********		
10/2017	74219	1040	BACIDIOE-2013 CAT 4000	100	60.73	2.00	2010	\$0.23,49		
10/2017	72273	2115	STUMERS SHEA	3	28.62	2.00	341.24	Contraction Contraction		
. UGi/2017	72279	1020	DUMP TRUCK-2000		45.15	2.00		200.39		
1/3/2017	72275	1000	TRAILER-2009		12.47	2.00		\$24.94		
10:2017	72279	1001	DUMP TRUCK-2010	10 C	42,93	2.00		\$95.86		
1/3/2017	72273	2554	WINN TOMMY L	3	16.19	2.00	\$32.38			
Boad Id - 0000	190-: LOU	IE DUNS	ROAD							
Activity 1d 35	# Disking									
Read District	1-1									
2/7/2017	72303	1517	WASHINGTON ROBERT II.	3	27.83	1.50	\$69.83			
3/7/2017	72303	1005	TRUCK-2007 FORD F190	£	18.86	2.50		\$47.15		
2/7/2017	72303	0027	BRYANT JERRY A	9	30.20	2.50	\$75.50			
2/7/2017	72300	0997	DUMP TRUCK-2008	1.1	49.36	2.50		\$523.40		
3/7/2017	72303	2128	CATTLING LEVAR	3	19.01	2.50	\$47.53			
2/7/2017	72303	0856	PICKUP	1.1	14.42	2.90		\$34.05		
2/7/2017	22303	1809	PERKINS ROCER L	3	28.78	2.50	\$54.45			
3/7/2017	72340	1029	DUMP TRUCK-2006	1.1	49.56	2.50		\$123.40		
3/7/2017	22363	1130	OUTHERY THOMAS		21.10	2.50	\$52.75	10000		
1/7/2017	72500	1053	EXCAVATOR-WHEELED		148.60	2.50		\$371.75		
1/7/2017	22100	1041	BACKING MISCAY FRE		45.72	2.55		\$154.13		
1/7/24/47	22103	1448	DETTTON CLAUDE C		12 54	2.50	\$46.40			
1/5/5647	223403	Long.	DUMP TRUET, 2015 MACK		100.01	2.65	440.44	101110		
Scholar I	12500	2436	CAPROLI MARCES		25.58	3.65	6.01.04	3000.00		
armane r	00000	0001	CONTRACTOR INCOMENTS		10.00	-3.65	340.55	447.15		
47 PL099 P	12,000	2010	PROPERTY FLORA		20.00	3.00		-101010		
Bredda deal	LIF, MAY	1012	STOWERS SHER	2	200.04	2.39	391.32			
Potenti 10 - Welle	HERE STAT	1 2 2 1 1	a source							
Activity 6d -85	a nextent									
Read District	1.1									
101/2017	73296	0627	ERYANT JERRY A		30.20	5.00	2121.00			
3/01/2017	72296	1061	BACKHOE-2015 CAT 430P		84.73	5.00		\$308.65		
101/2017	72296	09997	DUMP TRUCK-2008	8 C	49.36	3.00	11312	\$246,89		
1/36/2017	72296	2907	ORANGER BRUCE	3	18.84	5.00	\$94.26			
4/31/2017	72296	1029	DUMP TRUCK-2006	8	49.36	5.00		\$246.90		
3/31/2017	72296	1809	PERKINS ROGER L	3	21.78	5.00	\$108.95			
1/31/2017	72296	0961	PROKOP		18.95	3.00		\$94.30		
Road 1d + 0000	H94 MAY	O CIRC	L.F.							
Activity 1d -38	# Ditching									
Read District	1-4									
3/16/2012	72287	1217	NORTON STEVE A	3	34.20	4.00	\$96.80			
1/18/2017	77289	1052	EXCAVATOR-WHEFLED	1	148.69	4.00	1997	5394.76		
1/18/2017	72287	1381	SALERS WILLIAM R	3	21.90	5.00	\$109.50			
1/18/2017	72297	0952	DEMP TRUCK-FLATINED	1.2	49.56	5.00		\$246.89		
1/16/2017	22267	1186	HEARD FRIC W	4	24.69	\$.00	\$123.45			
	(1.1	and a set of the set o			1.000				

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date	DEM	м	Description	Rate Id	Rate	Units	Emp Cost	Equ Cost	Mat Cest	Cos Cos
Project Id -28-802	-IROW M	AINTEN.	ANCE-DRAINAGE, DITCH, SHO	CLINER.	1997	122-24	1122012			1.0000
Road 1d - 0000	H9-: MAY	O CIRC	LE.							
Activity 64 -35	8 Ditching									
Road District	1.4									
1/18/2017	72387	1062	DUMP TRUCK-2016 MACK	1	204,88	5,00		\$524.05		
1/19/2017	72288	1217	NORTON STEVE A	3	24.20	5,00	\$121.00			
5/19/2017	72388	1452	IDICAVATOR-WHEELED	1	148.09	-5.00		\$343.45		
1/19/2017	72288	1581	SALERS WILLIAM R		21.90	5.00	\$109.50			
1/99/2017	72388	4952	DUMP TRUCK-PLATHED	1	49.36	5.00		\$346.80		
5/19/2017	77288	1144	HEARD ERIC W	3	24.89	4.00	\$98,76			
1/09/2017	72388	1067	DUMP TRUCE-2016 MACE	1	104.84	4.00	Contraction of the	\$419,24		
0/24/2017	72299	1212	NORTON STEVE A		24,30	5,00	\$121.00			
6/24/2017	72291	1625	ENCAVATOR-WREELED	1	148.69	5.00	02128	\$763,43		
1/24/2017	72294	150	SALERS WELLIAM R	3	21.90	5,00	\$109.50			
1/24/2017	72294	0932	DUMP TRUCK-PLATBED	1.1	49.36	5.00		\$246.80		
0/24/2017	72291	1144	REARD ERIC W	3	24.69	5.00	\$123.43	2.000		
0/24/2017	70291	3067	DUMP TRUCK2016 MACK	1	104.81	5.00		\$324.05		
Road 54 - 0016	SB-: MAY	OROAL	,							
Activity Id 35	0 Dirthing									
Read District	(H)									
B/B2/2007	72283	1217	NORTON STEVE A		-24.29	5.00	\$121.00	and in		
6/82/2017	71283	0052	EXCAVATOR-WHEELID	1	148,69	3.00		\$340.45		
1/82/2017	72383	1582	SALERS WILLIAM R		21.99	4.09	\$87.60	10.000		
1/82/2007	72283	0012	DUMP TRUCK-FLATHED		49,36	4,00	and and	3197.44		
1/12/20017	72283	1144	HEARD EDC W		24.69	3.00	\$123.45	and an		
1/12/2017	712805	1067	DUMP TRUCK-2016 MACK		104.82	3.00		\$324.09		
D/E 212007	72396	1212	NORTON STEVE A		24.39	3.00	\$32.60			
1/17/2007	71286	1032	ERCAVATOR-WHEELED	1.1	148.89	3.00		\$446.07		
111302067	72286	1281	SALERS WILLIAM R		21.99	3.09	\$45.79	A		
1/11/2007	72286	0902	DUMPTROCK-PLATERD		49.36	3.00	*****	3146.08		
DITCH47	72386	1144	HEARD ERC W		24,89	3.00	354.01	40.00		
10.10067	71286	1062	DOMP TRUCK-2016 MACK		104.81	3.09		3014.43		
018/2007	72387	1217	NORTON STEVE A		24.20	4.00	295.80	Address The		
1/18/2017	11287	0002	EXCAVATOR-WHEELED		148.00	6.00		3794.76		
1110/2017	72287	1.544	SALERS WILLIAM R	100	21.99	3.00	21100,36	A 100 A		
1/18/2017	72287	9902	DUMP TRUCK-PLATIED		49,36	5.00	#14705 vol	3,240,88		
1/18/2017	72287	1144	HEARD ERC. W	1.1	24,09	3,00	\$123.45			
D182017	12287	1087	DOMP TROCK-JUIG MACK		104.81	3.00		3054.00		
Hand Id - 9916	DIC MAN	OROAL	500 m							
Activity 14 and	o Discharg									
Nord District	70160	1000	NUMBER OF STREET &		24.26	15.00	#141 AD			
1002017	12,280	SART.	ENCASCATION - MALEER DD		149.00	10.00	3242.09	101100-001		
1.6/3017	71780	1481	SALERS WILLIAM R		21.60	10.00	12103.00	\$1,488.76		
145/3947	71780	00073	DOMESTICS WILLIAMS IN		41.40	10.00	BUILDING	2454.10		
1.875047	22240	E144	INTARIA DEVICE AND	1.1	74.00	10.00	\$745.90	2424.10		
150017	77780	1000	DUMPTRIN'S -MIGMACY	1.1	104.81	10.00	2.00.00	\$1,048,10		
10100012	72383	1207	STRATER STRATE		24.20	1.00	872.40	a1,000,10		
1011020017	01040	1000	ENCANATOR AUDIT ID		146.00	1.00	312.00	\$446.07		
URL CODE 1	worker !	1.581	SALES WITH AND LOAD B		71.00	1.00	444.70	11111		
11112007	71767	0043	DURING TRUCK, STATISTO	1.1	40.16	3.00	100.00	1144.00		
LAN COMPT	11142	1144	UEARD CRIC W		24.00	1.00	\$74.07	2146.08		
1010000	TRACKS.	1440	PUTUR TRUCK, W	1	104.81	3.00	\$14.01	104.41		
DESCRIPTION OF	711050	1.400	NAR JALON		22.24	3.00	1000.000	10000		
LAND CONTRACT	22282	1000	DUBLE TRUCK AND ADDRES		104.01	1.00	369.13	10000		
COLUMN T	22242	2498	ALLEN PRODUCT		16.54	3.00	349.64	10000		
10 COMPT	12282	1040	BACKING, MALER		10.75	2.00	940.04	\$100 m		
0.8 M205 P	10.060	1040	TRAILED AND	1.5	11.47	1.00		100.00		
LANDON P	12282	1000	ACCEPTION ACTIVAL		54.70	3.000	8171.00	201/61		
0.12/2006 1	11111	6468	THE REAL PROPERTY OF A DECK		- 24-210	3.680	\$111.00			

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ETOWAH COUNTY - DOCUMENT SET 4-2

	96.277			221837	201.00		12012107	1002200	1211227-022	
Date	DIM	M	Description	Bare M	Rett	Units	Emp Cost	Equ Cost	MatCost Co	Cet
Project 3d - 25-002 Boad Ed - 0010	SIROW M	O ROAL	ANCE DRAINAGE, DITCH, SH D SOUTH	HLDER						
Activity M 35	a Disching									
Road District	1-4									
1/12/2017	72283	1052	EXCAVATOR-WHEELED	. E .	148.69	5.00		\$743.45		
1/12/2017	72283	1581	SALERS WILLIAM R	3	21.90	4.00	\$87.60			
1/12/2017	72280	0952	DUMP TRUCK-FLATHED		49.36	4.00		\$192.44		
1/12/2017	22283	1106	HEARD ERIC W	3	24.69	5.00	\$123.45			
1/12/2017	72283	1067	DUMP TRUCK-2016 MACK		104.81	5.00		\$524.05		
Read Id - 0010	82-: MCB	RAYER	LANE							
Activity 14 - 25	# Disching									
Road District	1-1	785.5			122.2	10.000	122222			
2/8/2017	72304	0027	BRYANT JEILEY A		39.29	18:00	\$302.00	22222		
2/8/2017	72304	0997	DUMP TRUCK-2008		49.36	10.00		\$493.60		
2/8/2017	77,904	1041	BACKHOE-2013 CAT 400P		84.73	18.00		3617.30		
2/8/2017	72304	1809	PERKINS BOORK L		21.78	10.00	3217.80	B 1000 (40)		
2/8/2017	12304	1029	DUMP TRUCK-2006		49.30	10.00	10000	3400.00		
298/2007	72304	2397	ORANGER BRUCE		10.01	16.00	3188.40	A 644 M		
2/8/2017	72,904	0809	PRACE PROVIDENCE		10.42	10.00	100000-000	3144,20		
238/2017	72,004	2528	CATTLINGTEVAR		10001	10.00	4000.00			
258/2017	72,994	1000	FROST KANDALL C		20,24	18.00	3000.40	5199.05		
28/2/11	22204	0007	PREAST PREVA		33,20	18.00	8103.00	31.88.99		
2/10/2017	72,000	0007	TO BUE VELOCE AND		49.14	18.00	2000.00	\$401.00		
5/5/3017	72364	1047	RAPEIROE JOIN CAT LINE	- 21	41.71	18.00		\$617.30		
2/2/2011	11505	2997	CRANCER DRIVE	100	18.84	18-00	\$100.00			
2/6/2017	72164	1029	DUMP TRUCK-2006		49.36	16.00	4000.00	\$493.60		
Read 1d - 0010	IS64 MCC	LENDO	N BOAD							
Activity M. J.S.	a Dinking									
Read District	1.3									
12/3/2016	72254	2921	HILL AMOS	3	20.27	5.00	\$101.35			
12/7/2016	72256	1043	BACKHOE-2915 CAT 4307	1.1	61.73	5.00		\$308.65		
12/7/2016	72256	2512	SHEELER DAVID	3	16.77	5.00	\$83.85			
12/3/2016	72256	1069	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
12/7/2016	72256	0679	RELLEY DONALD R	1	30.17	5.00	\$150.85			
12/2/2016	12256	0983	PICKUP	1.1	54.93	3.00		\$74.65		
Read 1d - 0010	176+ MCC	LAIN C	ERCLE							
Activity M 35	# Ditching									
Read District	1.2									
2/2/2017	72299	1517	WASHINGTON ROBERT II.	3	22.93	10.00	\$279.30			
2/2/2017	72299	1056	PICKUP-2012 FORD F150	1. I.	18.86	10.00		\$188.63		
2/2/2017	72299	0540	WILLIAMS SPENCER B	1	32.69	10.00	\$326.96			
2(2/2017	72299	1003	TRUCK-2007 PORD F150	- U.S.	18.86	10:00		\$188.60		
2/2/2017	72299	0627	BRYANT BURY A	3	30,20	16:00	\$302.00	-		
2/2/2017	72299	0997	DUMP TRUCK-2008		49.36	10.00		\$493.68		
2020/2017	72299	100	RACKHOE-2015 CAT 400F		44.73	10.00		\$617.38		
1/2/2017	72299	1809	PERKINS ROOM L	2	21.78	10.00	3217.80			
2/2/2017	72299	1029	DUMP TRUCK-2006	1.0	49.56	10.00		\$493.68		
2/2/2017	72299	2307	ORANGER BRUCE		18.84	10.00	3199.40			
8220017	12299	0810	PICKUP		14.42	10.00		Plearin.		
Road Id = 0000	THE MEA	DOWL	ANE .							
Activity as an	a Distant									
Road Matrice		1111	NAMES AND ADDRESS OF	10.5	10.000	1.65	\$34.5H			
100 000 P	99340	1047	EWAVETOP - MARTINE	2.1	1.48.40	1.59	276.76	12221-04		
100,000,000	223000	1221	SALERS WILLIAM P		21.00	1.50	332.45	302,134		
100,0001	77,000	0057	DEMPTRIX'S ATATINTS		49.54	1.50		324.04		
10,000	22300	1144	HEARD FRIC W	10	34.40	1.95	\$57.64			
26/24/17	721400	1067	DUMPTRUCK-MILE MALTE	1.1	104.81	1.50	1000	\$157.22		
		~~	A P. C. D. BRANKER PARTY.	0.0						
P/	AGE 72 OF	98				E	TOWAH COUN	IY - DOCUME	NI SEL 4-2	

Dute	DIM	14	Description	Hate 1d	Rate	Units.	Emp Cent	Equ Cost	Mar Cost	Cas Cas
Project 5d -28-803	-IROW M	INTEN	ANCE-DRAINAGE, DETCH, SHO	CLDER						
Road 1d - 0019	94 : MILI	HILL	IOAD							
Activity M 350	Disching.									
Read District	-3									
13/19/2014	72263	- 2527	ALLIN JORDAN	3	16,38	2.00	\$32.76			
12/19/2016	72265	1040	BACKHOE-2015 CAT 430F	1	41.73	2.00		\$123.46		
12/19/2016	72265	1000	TRALES-2009	1	12,47	2.00		324.94		
12/19/2016	72265	1001	DUMP TRUCK-2010	1 C C	47.93	2.00		\$95.86		
12192016	72263	1493	NAIL JAMES	3	22.43	2.00	\$44.96			
12/15/2016	72265	1068	DUMP TRUCK-2016 MACK	1	104.81	2.00		\$209.62		
12/19/2016	72268	2521	HELL AMOS	3	20.27	2.00	340.54			
12/19/2016	72265	1043	BACKHOE-2015 CAT 436F	1	61.73	2.00		\$123.46		
12/19/2016	77268	2512	SHEELER DAVID		16.77	2.00	333.54			
12/19/2016	72265	1069	DUMP TRUCK 2016 MACK	1	104.88	2.00		\$209.62		
12/19/2016	92263	1217	NORTON STEVE A		23.92	2.00	\$47.84			
13/19/2016	72265	1052	EXCAVATOR-WHEELED	1	248.65	2.00		\$297.38		
12/19/2016	72268	1581	BALLERS WILLIAM R	3	21.67	2.00	\$43.24			
13/19/2016	72265	1626	DUMP TRUCK-2003	1	45.15	2.00		\$96.30		
13/15/2016	72265	1144	HEARD FRIC W		24.40	2.00	\$48.80			
12/16/2014	77165	1067	DEMP TRUCK MILA MACK	1.1	104 81	2.00		\$200.62		
Read 14 - 0020	of MINS	ALL W. D.	RIVE							
Articles M. 581	Disching									
Rund District	.1									
3/16/2017	designs.	1212	SAMPTICAL STEAT A		74 70	3.00	\$12.60			
2734-79417	22224	1007	ENCLOSE STORE AND ADDRESS STO		149.40	3.00	212.00	NAME OF		
2/19/00/17	10000	1100	LALANT PROVING		25.00	3.00	174.07	Assess.		
201096/2011 P	72218	1000	PERMIT BAR W		24.00	2.00	\$14.01			
2/99/2017	12301	1067	COMPTROCK-2016 MALK		24.85	2.00	F171.00	2014/41		
201/2017	72303	1217	NORTON STEVE A		24,20	5.00	\$111.00	10.43		
2/21/20/17	72345	1052	EXCAVATOR-WHEELED		268.09	2,00	E100 10	3743.40		
2/21/2017	72315	1301	SALERS WILLIAM R		31.90	5,00	\$109.50	Sector Sector Sector		
2/21/2017	12313	0932	DOMP TROCK-PLATHED		49,56	5.00		\$246.80		
2/21/2017	72515	1144	HEARD ERC W		24.09	5.00	1137-0			
2/21/2017	72313	1067	DEMP TRUCK-2016 MACK	1	304.83	5.00	10000	\$524.89		
3/31/2012	72315	1524	KUHIN RICHARD A		27.90	5.00	\$139.50	12000		
2/21/2017	72313	1053	PICKUP-2012 FORD F130	1	18.36	5.00		394.30		
Road Id - 6920	43-< MOU	NTAIN	RIDGE ROAD							
Activity Id. 350	Ditching 1									
Read District	-4									
13/12/2016	72299	2327	ALLEN JORDAN	3	16.38	3.00	\$49,14			
13/12/2016	72259	1040	BACKHOE-2015 CAT 430F	1	-61.TB	3.00		\$183.19		
12/12/2016	72399	1000	TRAE.ER2009	1	12,47	3.00		\$32.41		
13/12/2014	72259	1001	DUMP TRUCK-2010	1	47.93	3.00		\$143.79		
Read 3d - 6920	50-: MT. I	PINGAH	RD							
Activity 1d -350	Ditching									
Read District	-2									
6/17/2017	72286	1530	OUTHERY THOMAS	1	21.19	5.00	\$105.50			
3/17/2017	72286	1053	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
8/87/2017	72286	2523	SEARS MARQUETTE	3	36.54	5.00	\$82.70			
8/07/2017	72296	1029	DUMP TRUCK-2006	1	49.36	5.00		\$246.80		
1/17/2017	72286	2528	CATTLING LEVAR	8	19.03	5.00	\$95.05			
6/87/2817	72286	1004	TRUCK-PICK UP PLAT CREW	5 E .	26.78	5.00		\$133.99		
8/88/2017	72287	1530	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
3/38/2017	22282	1853	EXCAVATOR-WHEFLED	1	148.69	5.00		\$343.45		
1/18/2017	72287	2923	SEARS MAROLETTE	3	16.54	5.00	582.99			
1/18/2017	72347	1824	ASPRALT PATCHER-2003		44.56	5.00		\$222.88		
3/38/2012	72197	2416	CATTUNG LEVAE		19.03	5.00	591.05			
LILE CALL	72787	1004	THIS & PEX UP DATIONS		26.79	\$ 60		\$113.99		
6/95/5617	73788	1150	CETHERY DEMAN		21.10	5.00	\$101.55	10000		
Linguist	21165	1001	ENCAVATOR - NORTH ED		148.44	8.00	1000.00	\$747.45		
414 W-1995 F		1004	south the state and		1.49.000	1.46		aces.43		

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ETOWAH COUNTY - DOCUMENT SET 4-2

Project M - 28 492.1800W MAINTENANCE DRARKAGE PETCHASHOULDER Raw M + 902890+ MT. PISCAN RD Amminy M 290 Benching Band Dataset - 3 UNS0117 7258 1253 SEAKS MARQUETTE 3 94.54 540 582.59 UNS0117 7258 1253 SEAKS MARQUETTE 3 94.54 540 582.59 UNS0117 7258 1251 CATTURO LIVAR 3 1010 540 596.85 UNS0117 7259 105 DIAMPTHICK-3006 1 47.56 540 596.59 UNS0117 7259 105 DIAMPTHICK - 305 3 21.10 540 5105.59 UNS0117 7259 1053 EXCANTRO MARQUETTE 1 445.09 540 595.65 UNS0117 7259 1053 EXCANTRO MARQUETTE 1 445.09 540 595.65 UNS0117 7259 1017 PERKES BIOCOM UNATION PERKES UNATION	Date	DAM		Description	Bate M	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Cost		
Image: Second Se	Project bit -28-002	IROW NU	UNTEN	ANCE-BRAINAGE, INTORSHO	LIDER	Porti		the second	City Con				
Autor 1 - J Bood Disardie - J JUSSIELT SEAAS MARCHETTE J LS54 S.00 BZ.78 LINSDELT 7228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1228 1218 1228 1218 1228 1218 1228 1218 1228 1218 1228 1218 1218 1228 1218 1228 1218 1228 1218 1228 1218 1218 1218 1218 1218 1218 1218 1218 1218 1218 1218 1218 1218 1218 1218 1218 1218 1218<	Road Id - 0020	50+ MT. I	PISCAH	RD	141115								
UNSQUIT 7 72208 2212 SEAAS MARQUETTE 1 1 SEAAS SEAAS UNSQUIT 72288 1220 DUMP TRUCK-2006 1 440.5 500 SEAAS UNSQUIT 72281 1230 COLSPAN SEAAS UNSQUIT 72291 1230 SEAAS UNSQUIT 72291 1240017 720.4 570.45 UNSQUIT 144.68 SEAAS SEAAS UNSQUIT 144.68 542.98 144.68 542.98 UNSQUIT 144.68 144.68 542.98 UNSQUIT 144.68 542.98 144.68 144.68 144.68 144.68 144.68 144.68	Activity 14 350	Ditching											
Inspir 7228 222 SEAAS MARCHETTE J 6.54 5.80 82.44 Inspir 7228 120 CATURACIEVAS 1 10.01 5.00 \$20.45 Inspir 7228 100 170.00 170.00 5.00 \$20.35 Inspir 7228 100 170.00 1.00 5.00 \$20.35 Inspir 7229 103 0.00 170.00 1.00 \$3.00 \$100.90 Inspir 7229 103 0.00 \$100.90 \$100.90 \$100.90 Inspir 7228 0.00 PECKUM 1 18.46 5.00 \$90.30 Read funct 1 117 7228 100 \$100.90 \$90.40 1040017 7229 118 100.00 PTECK-SOURACE 1 14.00 \$10.46.90 \$10.46.90 2140017 7209 118 100.00 PTECK-SOURACE 1 14.00 \$10.46.90 \$10.46.90 2140017 7209 1160	Road District	-3											
116/03117 7228 128 108 FUNCE PIECK 10F RAT CREW 1 44.36 5.00 553.59 116/03117 72291 103 EDECAVATOR-WIRELED 1 146.09 500.59 503.59 104/03117 72291 103 EDECAVATOR-WIRELED 1 146.09 500 503.59 104/03117 72291 253 CATTLAGALINAR 2 21.78 5.00 509.39 104/0317 72291 253 CATTLAGALINAR 2 10.01 5.00 509.39 104/0317 72290 153 CATTLAGALINAR 2 10.01 5.00 504.30 2014/0317 72309 153 MORTINI STEVE A 3 24.09 16.00 51.465.69 2014/0317 72309 153 MORTINI STEVE A 3 24.09 16.00 51.465.69 2014/0317 72309 153 MORTINI STEVE A 3 24.09 16.00 51.465.69 2014/0317 72309 153 MORTINI STE	1/15/2017	72288	2523	SEARS MARQUETTE	- M.S.	16.54	5.00	\$82.70					
Integent T2288 EXATLANCE LEVAR 0 1010 5100 5950 10402012 72291 1200 OTHERY TERDANS 3 21.88 5.00 5103.59 10402017 72291 1200 OTHERY TERDANS 3 21.88 5.00 5103.59 10402017 72291 1201 OTHERY TERDANS 3 21.78 5.00 5103.59 10402017 72291 1201 PERKEN BOOLER 1 18.84 5.00 504.39 1040217 72290 1217 NORTON STEVE 1 18.46 5.00 504.20 20140217 72309 1022 EXCAVATOR-STERRED 1 146.69 15.06.90 14.46.9 20140217 72309 1057 PERKEV 1 148.60 16.46.90 16.46.90 20140217 72309 1057 PERKEV 1 148.00 16.00 16.46.90 20140217 72309 1057 PERKEV 1 148.00 16.00	1/19/2017	72288	1029	DUMP TRUCK-2006	- E	49.36	5.00		\$246.80				
Integer T2291 104 TDUCK-PECK (F PLAT CREW I 24.78 5.00 513.59 10403017 72291 103 EXCAVATORWIERLED 1 146.09 5.00 570.45 1040317 72291 1233 EXCAVATORWIERLED 1 146.09 5.00 590.35 1040317 72291 2535 CATTLING-LINAR 2 21.78 5.00 590.35 Read 1- 00251: 4 MT EFLEXENCE 1 18.86 5.00 591.30 Read 1- 00251: 4 MT EFLEXENCE FORD Activity 3 32.90 121 NORTRIN STEVE A 3 24.20 18.00 581.69 2140317 72309 1344 HEAD (BEC W 3 24.00 18.00 51.68.59 2140317 72309 1344 HEAD (BEC W 3 24.40 18.00 51.68.69 2140317 72309 1344 HEAD (DEC W 3 24.40 18.00 51.68.69 21400317 72309 163 <	1/19/09/17	72268	2328	CATTLINGLEVAR	3	19.01	5.00	\$95.65					
10402017 72291 120 0.01100117 72291 120 0.01100117 72291 120 0.71100117 72291 120 0.71100117 72291 1201 72111 72291 1201 72111 72291 22111 72291 1201 72111 72291 72111 72291 72111 72291 72111 72291 72111 72291 72111 72291 72111 72291 72111 72291 72111 72291 72111 72291 72111 72291 72111 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 <td>1/19/2017</td> <td>72288</td> <td>1004</td> <td>TRUCK-PICE UP PLAT CREW</td> <td>C 1</td> <td>26.78</td> <td>5.00</td> <td></td> <td>\$133.99</td> <td></td> <td></td>	1/19/2017	72288	1004	TRUCK-PICE UP PLAT CREW	C 1	26.78	5.00		\$133.99				
Lokabit T2291 LB35 EXCAVATORREBILIZE L L46.09 S.00 STAT L04A317 72291 J238 CATTLING LEVAR 3 17.01 5.00 S010.89 L04A317 72291 J238 CATTLING LEVAR 3 17.01 5.00 S010.89 Read Ld - 002851: MTL PLEASKATT ROAD 3 24.39 18.00 S14.89 Read Dations - J 117 NORTOR-STEVE A 3 24.39 18.00 S14.89 21440317 72309 117 NORTOR-STEVE A 3 24.49 S24.89 21440317 72309 1124 KIANDE-KENDING 3 144.84 140.00 S24.89 21440317 72309 1124 KIANDE-KENDING 3 144.84 140.00 S16.86 21440317 72309 1124 KIANDE-KENDING 3 144.84 140.00 S16.86 2140017 72309 1124 KIANDE-KENDING 1 144.69 160.0 <td>1/24/2017</td> <td>72291</td> <td>1330</td> <td>OUTHERY THOMAS</td> <td>3</td> <td>21.10</td> <td>5.00</td> <td>\$105.50</td> <td></td> <td></td> <td></td>	1/24/2017	72291	1330	OUTHERY THOMAS	3	21.10	5.00	\$105.50					
L04/2017 72291 1099 PERAIDS ROCEIR I. 1 21.78 5.09 5108.89 L04/2017 72291 2351 CATLENDS 1 18.86 5.00 \$941.30 Road Id - 002851- TFLEXENT ROAD - - 1 18.86 5.00 \$941.30 Activity Id 328 Distance - - 1 18.66 5.00 \$941.30 2014/2017 72309 1052 EXCAVATORMERDELED 1 14.60 16.00 \$1,465.90 2014/2017 72309 1052 EXCAVATORMERDELED 1 14.60 16.00 \$244.59 2014/2017 72309 1052 EXCAVATORMERDELED 1 14.60 15.00 \$278.69 \$128.66 2014/2017 72309 1052 EXCAVATORMERDELED 1 16.84 16.00 \$128.66 2014/2017 72309 1052 EXCAVATORMERDELED 1 16.84 16.00 \$128.86 2015/2017 7230 1050 <td< td=""><td>1040917</td><td>72291</td><td>1053</td><td>EXCAVATOR-WHEELED</td><td>1 C</td><td>148.69</td><td>5.00</td><td></td><td>\$743.45</td><td></td><td></td></td<>	1040917	72291	1053	EXCAVATOR-WHEELED	1 C	148.69	5.00		\$743.45				
LOADB11 72291 2328 CATTLING LIPVAR 2 10.01 5.00 504.30 Road 1 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 72291 <th7291< th=""> <th7291< td=""><td>1/24/2017</td><td>73290</td><td>1809</td><td>PERKINS ROGER L</td><td></td><td>21.78</td><td>5.00</td><td>\$108.90</td><td></td><td></td><td></td></th7291<></th7291<>	1/24/2017	73290	1809	PERKINS ROGER L		21.78	5.00	\$108.90					
LOADIT T2291 ORI PECKUP I ILIS 5.00 504.30 Achisty M 258 Bindlag 504.20 504.20 504.20 2014/2015 72599 1217 NORTONISTEWEA 3 24.20 16.00 504.20 2014/2017 72209 1652 EXCAVATOR-AMBELLD 1 14.60 51.04.00 2014/2017 72209 1652 EXCAVATOR-AMBELLD 1 14.60 51.04.00 2014/2017 72209 1652 EXCAVATOR-AMBELLD 1 14.60 51.04.00 2014/2017 72209 1655 PECKUP-2015 MACK 1 14.64 60.00 5148.40 2015/2017 72101 1655 PECKUP-2015 MACK 1 24.69 80.00 5148.40 2015/2017 72101 1655 PECKUP-2015 MACK 1 24.50 524.08 5148.40 2015/2017 72101 1655 PECKUP-2016 MACK 1 24.50 154.00 5148.40	1040917	72294	2528	CATTLING LEVAR	2	19.03	5.00	391.05					
Bood District -3 Read District -3 21442013 72309 1217 NORTRIN STEVE A 3 24420 18400 534240 21442017 72309 1217 NORTRIN STEVE A 3 24420 18400 514680 21442017 72309 1144 BLAD DERC W 3 2440 18400 5124820 21442017 72309 1124 KURN HICKLADD MACK 1 1848.6 18400 5124840 21452017 72309 1124 KURN HICKLADD MACK 1 1848.6 18400 51248.6 21552017 72190 1057 PICINP TRUCK-2016 MACK 1 1848.8 18400 5423.8 21552017 72190 1057 PICINP TRUCK-2016 MACK 1 1842.8 18400 5423.8 21552017 7218 1017 NORTRON STEVE A 1 18459 1842.8 18400 21552017 7218 1017 NORTRON STEVE A 1 18459 1842.8	104/0017	72291	0981	PICKUP	1.1	18.86	5.00		\$94.30				
New District - J Sead District - J 214/2011 72.00 12.2 NORTON STEVE A 3 24.2 16.00 524.20 214/2011 72.00 16.2 EXCAVATOR-AMPERIZED 1 14.8.0 16.00 524.00 214/2011 72.00 1657 EXCAVATOR-AMPERIZED 1 148.00 15.00 214/2011 72.00 1657 EXCAVATOR-AMPERIZED 1 18.00 524.90 214/2017 72.00 1657 EXCAVATOR-AMPERIZED 1 18.00 528.00 214/2017 72.00 1657 EXCAVATOR-AMPERIZED 1 24.00 4.00 528.40 215/2017 72.10 1144 HIAAD ERC 1 24.00 4.00 528.40 215/2017 72.10 1047 DIATOR MORE AND 1 24.00 50 528.40 215/2017 72.10 1047 104.00 526.20 527.10 526.20 215/2018 72.20 1001	Road Id - 0029	51-(MT. I	PLEASA	NTROAD									
NORTON STEVE A 3 44.30 SA42.80 SA42.80 <th colspan="2" sa42.80<="" td=""><td>Activity M 35</td><td>• Ditching</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th>	<td>Activity M 35</td> <td>• Ditching</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		Activity M 35	• Ditching									
214.0211 72399 E17 MCRETOR STEVE A 3 24.28 18.00 \$24.28 214.0211 72306 1852 EXCAVATOR-AMBELLED 1 148.69 18.00 \$24.689 214.0211 72306 1661 DEAN TREXCK-2016 MACK 1 168.81 12.00 \$24.691 214.0211 72306 1665 PCCKP-2012 PORD F155 1 18.86 18.00 \$278.00 214.0211 72316 1667 PCCKP-2012 PORD F155 1 18.86 18.00 \$348.40 215.0211 72316 167 PCKPTPTREXCK-2016 MACK 1 24.50 8.00 \$348.60 215.0217 72316 1217 MORTON STEVICA 1 148.69 8.00 \$328.60 215.0217 72316 1217 MORTON STEVICA 1 148.69 \$348.59 Read Editori J 1 148.69 1 247.70 18.00 \$348.59 Read Editori J 1 148.61 16.00 \$348.59 \$343.39 <td>Road District</td> <td>-1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Road District	-1											
214/2017 72309 1852 EXCAVATOR-WHELLED 1 348.09 84.00 \$346.99 214/2017 72309 144 HEAGD ERC W 3 24.08 18.00 \$346.99 214/2017 72309 1324 KAREN RICHARDA A 5 275.00 18.00 \$374.00 214/2017 72309 1324 KAREN RICHARDA A 5 275.00 18.00 \$374.00 214/2017 72309 1645 PCKNED-2012 PORD F159 1 18.64 6.00 \$148.14 215/2017 72319 1647 PCRND FTEXCK-2016 MACK 1 146.01 \$148.14 215/2017 72319 1647 PCRND FTEXCK-2016 MACK 1 146.01 \$148.00 \$148.00 215/2017 72319 1647 PCRND FTEXCK-2016 MACK 1 146.01 \$1247.00 \$148.00 \$1248.00 215/2016 72229 1647 BALDAS \$140.01 \$1247.00 \$147.01 \$140.01 \$1247.01 312/2016 72229	2/14/2017	72,909	1217	NORTON STEVE A	3	24.20	18.00	\$242.00					
214.0017 72309 1144 HEADD FRUCK-2016 MACK 1 24.69 3246.99 214.0017 72309 1667 DUMP TRUCK-2016 MACK 1 164.81 164.00 5278.80 214.0017 72309 1687 PUCKUP-2012 FORD F159 1 164.81 46.00 5088.60 214.0017 72309 1687 PUCKUP-2012 FORD F159 1 164.80 5078.14 215.0017 72318 1144 HEADD FRUCK 9 24.69 5438.40 215.0017 72318 1247 NoRTON STEPE A 1 24.29 18.00 5438.86 215.0017 72318 1247 NoRTON STEPE A 1 24.29 18.43 500 Read Distrint -J NORTON STEPE A 1 24.29 18.40 502.79 NORTON STEPE A 1 24.77 18.00 5075.39 NORTON STEPE A 1 24.77 18.00 5075.39 1022.20 1001	2/14/2017	72309	1052	EXCAVATOR-WHEELED	1	148.69	38.00		\$1,486.90				
2144012 72109 1657 DUMP TRUCK-3015 MACK 1 144.81 16.00 31,548.10 21442017 72309 1324 KURP RECIMAC) A 3 279.00 18.80 5279.00 21442017 72309 1055 PECKUP-3012 (PERP F18) 1 18.80 16.00 5148.14 2153017 72310 1657 DERP TRUCK-3054 MACK 1 148.61 40.00 548.14 2153017 72310 1657 DERP TRUCK-3054 MACK 1 148.60 154.29 154.34 2153017 72310 1657 DERP TRUCK-3054 MACK 1 148.60 154.29 154.34 2153017 72310 1657 DERCINCK RUAD 1 148.60 150.0 31.488.90 20302168 72220 1657 BACKHOR - A015 CAT 400 ft 1 41.73 18.00 5617.39 192020168 72220 1607 BACKHOR - A015 CAT 400 ft 1 16.77 16.00 5167.39 192020168 72220 1607 </td <td>2/14/2017</td> <td>72309</td> <td>1144</td> <td>HEARD ERIC W</td> <td>3</td> <td>24.68</td> <td>16.00</td> <td>\$246.90</td> <td></td> <td></td> <td></td>	2/14/2017	72309	1144	HEARD ERIC W	3	24.68	16.00	\$246.90					
21442017 72309 1234 KURN RECURRENCE 3 2790 18.00 5279.00 21342017 72309 1055 PECKUR-2012 FORD F150 1 18.86 18.00 5288.60 21352017 72310 1647 DEMP TRUCK-3015 MACK 1 184.81 4.00 5021.86 21352017 72310 1647 DEMP TRUCK-3015 MACK 1 184.81 4.00 5021.86 21352017 72310 1647 DEMP TRUCK-3015 MACK 1 184.81 6.00 5242.90 21352017 72310 1642 EXEX.VANTOR-VERELED 1 184.90 5242.90 Read Distoria -J T 1.01 1.02 551.1 181.485.90 Read Distoria -J T 1.01 DACEHOR-3015 CAT 400F 1 41.73 18.00 5321.90 102502016 72220 1001 DALEHOR-2015 CAT 400F 1 41.81 18.00 534.93 102502016 72220 1001 DALERENC-3015 CAT 400F 1 54.	2/14/2017	72309	1067	DUMP TRUCK-2016 MACK	1	104.81	08:00		\$1,048.10				
21442017 72140 165 PECKUP-2012 FORD F150 1 15.66 18.80 STREAD 21152017 72110 1047 PEMP TRUCK-2015 MACK 1 34.60 S148.14 21152017 72110 1047 PEMP TRUCK-2015 MACK 1 34.80 S148.0 S282.86 21152017 72110 1047 PEMP TRUCK-2015 MACK 1 34.80 S148.90 21152017 72108 1217 PEMP TRUCK-2015 MACK 1 34.80 S282.86 2152017 72108 1217 PEMP TRUCK-2015 CAT 400F 1 141.60 S202.70 Read District - J 12200/2016 72220 1060 EAULER-200F 1 141.71 1600 S104.730 1920/2016 72220 1060 DUMP TRUCK-2018 47.93 1600 S12.94.730 1920/2016 72220 1060 DUMP TRUCK-2018 1 161.81 1600 S12.94.730 1920/2016 72220 1069 PEMP TRUCK-2018 1 161.81	2/14/2017	72309	1324	KUHN RICHARD A	1	27.90	10.00	\$279.00					
2152017 72110 1144 HEARD REC W 3 34.69 6.00 \$148.14 2152017 7210 1667 TRMP TRUCK-2016 MACK 1 164.81 6.00 \$124.81 2152017 7219 1627 SCRUNTOR STUPE A 5 243.00 \$124.85 \$124.81 2152017 7219 1622 SCCAVATOR-WHEELED 1 146.09 18.00 \$12.488.90 Road District - J Road District - J 120202016 72229 1601 BACHORS 3 20.27 16.00 \$202.70 120202016 72229 1600 BACHORS 1 24.77 16.00 \$202.70 120202016 72229 1600 DACHORS ALCK 1 16.00 \$202.70 120202016 72229 1600 DACHORS ALCK 1 16.00 \$107.90 120202016 72229 1600 DACHORS ALCK 1 16.01 \$107.90 120202016 72229 1600	2/14/3017	72309	1055	PICKUP-2012 FORD F150	1.1	18.86	18.00		STRE.60				
2152017 7230 1967 DEMP TRUCK -2016 MACK 1 194,81 6.00 SEELA 2152017 72316 1247 NORTON STEVELA 1 24.39 18.00 SE2.36 2152017 72316 102 EXXAVATOR-WREELED 1 148.09 86.00 SE2.36 Read 1d -0020554 MERDOCK RDAD - - SE2.37 16.00 SE2.36 Read 1d 2229 1603 BACKINGE-2015 CAT 4007 1 61.73 16.00 SE31.49 1905/2016 72229 1001 DEACH NOS 1 2.47 16.00 SE31.49 1905/2016 72229 1000 RALEES-2009 1 12.47 16.00 S104.39 1905/2016 72229 1001 DEAPT TRUCK-2016 AACK 1 164.81 16.00 S1.048.39 1905/2016 72229 083 PICKLP-2016 AACK 1 164.81 16.00 S1.048.39 1905/2016 72229 083 PICKLP -2016 AACK	2/15/2017	72110	1144	HEARD ERIC W		24.69	6.00	\$148.14					
2152017 72318 1217 NORTON STEVE A 1 34.30 18.00 \$242.98 21152017 72319 162 EXXXAVAGE-NERRELED 1 146.69 18.00 \$242.98 Read District -3 Production of the second of the sec	2/15/2017	72310	1067	DEMP TRUCK-2016 MACK	1	104.83	6.00		\$628.86				
115.0917 72309 1052 EXX.AVA.TOR - WHEELED 1 148.69 16.00 31.486.59 Road 11 d - 0020854; MERDOCK RDAD X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X X <thx< th=""> <thx< th=""></thx<></thx<>	2/15/2017	72310	1217	NORTON STEVE A	1	24.20	18.00	\$242.00					
Read 1d - 003055: MURDOCK R0AD Anteinty 36 385 Binching Read District - J 30202016 72228 211 HEJ, AMOS 1 26.27 16.05 \$202.30 30202016 72228 1043 BACKHOR - 2015 CAT 400F 1 41.75 16.00 \$513.40 30202016 72228 1001 DIAM TRILLER-2008 1 12.47 16.00 \$517.30 30262016 72228 1001 DIAM TRILLER-2008 1 44.73 16.00 \$517.30 30262016 72228 0409 DIAM TRILLER-2008 MACK 1 164.81 16.00 \$31.98.19 30262016 72228 0409 ROKUT 1 31.17 16.00 \$31.98.30 3020216 72228 0409 ROKUT 1 14.83 16.00 \$349.30 3020216 72228 0409 ROKUT 1 14.83 16.00 \$349.30 ROKUT ROKUT 1 14.83 16.00 \$34.03 <td>2/15/0017</td> <td>723:09</td> <td>1052</td> <td>EXCAVATOR-WHEELED</td> <td>1</td> <td>148.69</td> <td>10.00</td> <td></td> <td>\$1,488.99</td> <td></td> <td></td>	2/15/0017	723:09	1052	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,488.99				
Activity 14 269 Bioching Bood Obstriet - J J Dock 2016 T2229 2511 HELL AMOS J Dock 2017 16.00 S202.30 J05002016 T2229 1643 BACCHICEL-2015 CAT 400F I 64.73 16.00 5524.78 J05002016 T2229 1001 DUMP TELICE-2008 I 64.71 16.00 5578.30 J05002016 T2229 1001 DUMP TELICE-2008 I 64.71 16.00 5104.30 J05002016 T2229 1009 DUMP TELICE-2008 I 64.71 16.00 310.73 J05002016 T2229 1009 DUMP TELICE-2008 MACK I 164.81 16.00 320.48.39 J05002016 T2229 0683 MCXLP I 164.81 16.00 301.78 J05002016 T2229 0683 MCXLP I 16.93 16.93 5169.30 Bood Datriet -3 MCXLP FEREE ROAD I 27.90 5.00 524.30 544	Road 1d - 0020	65+ MUR	DOCK	LOAD									
Read District - J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J J <thj< th=""> J J</thj<>	Activity \$4 350	Ditching											
1929/2016 7229 251 HELL AMOS 1 26.27 16.00 5202.76 1920/2016 72220 1643 BACMER-2015 CAT 600F 1 64.73 16.00 \$513.03 1920/2016 72220 1000 TRAUER-2009 1 24.77 16.00 \$513.03 1920/2016 72220 1001 DUMP TRUCK-2003 1 47.03 16.00 \$5479.30 1920/2016 72229 2912 SHEELER DAVTD 3 16.77 16.00 \$107.39 1920/2016 72229 0695 RUERY CRAUDE 1 164.81 16.00 \$108.81.39 1920/2016 72229 0695 RUERY CRAUDE 1 18.91 16.00 \$109.31 1920/2016 72229 0695 ROAD 1 19.91 16.00 \$109.31 1920/2016 72229 0695 ROAD 1 19.91 16.91 \$109.91 1920/2017 72339 1024 RUERY CRAUDE 1 18.93 <td>Road District</td> <td>-1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Road District	-1											
H926/2016 72220 1043 BACKHOE-2015 CAT 400F I 64.73 16.00 \$517.30 H926/2016 72220 1000 TRALDE-2000 I 12.47 16.00 \$517.30 H926/2016 72220 1001 D10MP TRUCK-2008 I 12.47 16.00 \$517.30 H926/2016 72220 2012 SHEELER DAVID I 16.77 16.00 \$501.78 H926/2016 72220 069 DEMP TRUCK-2018 MACK I 164.81 16.00 \$501.78 H926/2016 72220 0693 FROM I 164.91 16.00 \$501.78 H926/2016 72220 0693 FROM I 164.91 16.00 \$501.78 H926/2016 72220 0693 FROM I 164.91 16.00 \$501.78 H926/2017 72308 1524 KULIP FROMP FROMP I 164.93 \$109 \$129.93 J92017 72308 1524 KULIP FROMP FROMP FROMP I	10/26/2016	72229	2121	HELLAMOS	1	29,27	18.00	\$202.70					
H92b/2016 72229 1000 TRALLER-2009 I IZ.47 H600 \$124.39 H92b/2016 72239 1001 DLMP TRUCK-2008 I 47.90 10.00 \$175.39 H92b/2016 72239 2912 SHERLER DAVID I 16.77 16.00 \$104.79 H92b/2016 72239 1090 DLMP TRUCK-2016 MACK I 164.81 16.00 \$32.941.39 H92b/2016 72239 0983 PICKUP I 36.17 16.00 \$301.71 H92b/2016 72239 0983 PICKUP I 16.93 16.00 \$301.71 H92b/2017 7230 0983 PICKUP I 16.93 16.00 \$301.71 Bod Batterit -3 7239 153 ROM DRAFT I 16.93 500 \$34.93 SM2017 7238 1217 NORTON STEVE A I 24.39 500 \$34.30 SM2017 7238 1217 NORTON STEVE A I 14.86	10/26/2016	72220	1043	BACKHOR-2015-CAT 420F	1.1	44.73	18.00		\$617.30				
1920/2016 T2239 1001 DEMP TRUCK - 2018 1 47.93 16.00 5479.39 1920/2016 72239 2112 SHEELER DAVID 1 16.77 16.00 \$167.39 1920/2016 72239 1099 DUMP TRUCK - 2018 MACK 1 16.481 16.00 \$1.67.39 1920/2016 72239 0635 PICKUP 1 16.93 16.00 \$1.67.39 1920/2016 72239 0635 PICKUP 1 16.93 16.00 \$1.69.3 Read Datable: - 3 Activity 84 ## Disching Read Datable: - 3 39/2017 72339 1524 KURN FICHARD A 1 27.90 5.00 \$29.39 39/2017 72339 1217 NORTON STEVE A 1 144.69 5.00 \$29.43 39/2017 72339 131 \$ALERS WILLIAM R 3 21.90 5.09 \$30.45 39/2017 72339 131 \$ALERS WILLIAM R 3 21.90<	10/26/2016	72230	1000	TRAILER-2009	100	12.47	16.00		\$124.70				
192b2016 7229 2112 SHEELER DAVID 1 16.77 16.00 \$105.78 182b62016 7229 1699 DUMP TRUCK-2016 MACK 1 164.81 16.00 \$1.048.19 192b62016 7229 0683 PICKUP 1 16.91 16.00 \$301.78 192b62016 7229 0683 PICKUP 1 16.93 16.00 \$301.78 Road 10 002052 MURPHEREE ROAD 1 16.93 16.00 \$304.93 Road District -3 1 16.84 5.00 \$129.94 39/2017 7230 1055 FOCION STEVE 1 18.86 5.00 \$121.00 39/2017 7230 1052 EXCAVATOR-WHEELED 1 148.69 5.00 \$121.00 39/2017 7230 1552 EXCAVATOR-WHEELED 1 48.69 5.00 \$121.00 39/2017 7230 1552 EXCAVATOR -VHEELED 1 49.36 5.00 \$124.80	10/26/2016	72230	1001	DUMP TELICE-2018	1.1	47.93	10.00		\$479.30				
H2662016 72220 1069 DUMP TRUCK - 2016 MARK 1 164.81 16.00 31,048.39 H2662016 72220 0853 HCRUP 1 16.93 16.00 3001.78 H0262016 72220 0853 HCRUP 1 16.93 16.00 3001.78 Road Id - 002056: MURPTRUCK ROAD 1 16.93 16.00 31.99.30 Activity M JM Binching Booking 2 27.90 5.00 31.99.30 SM20017 723.00 1554 HCRUP-3012 FORD F1590 1 18.86 5.00 394.39 SM2017 723.00 1652 HCRUP-3012 FORD F1590 1 18.86 5.00 \$340.45 SM2017 723.00 1652 HCRUP-3012 FORD F1590 1 148.69 5.00 \$309.39 SM2017 723.00 151 SALERS WILLIAM R 3 21.90 5.00 \$309.39 SM2017 723.00 1517 MASHINGTON HOREKTE 3 27.93 3.59 \$09.83 <td>10/26/2016</td> <td>72239</td> <td>2512</td> <td>SHEELER DAVID</td> <td></td> <td>. 16.77</td> <td>18.00</td> <td>\$147.70</td> <td></td> <td></td> <td></td>	10/26/2016	72239	2512	SHEELER DAVID		. 16.77	18.00	\$147.70					
N2562016 72236 0679 KELLEV DORALD R. 1 30.17 16.00 5301.78 N02062016 72230 0983 PICKUP 1 16.93 16.09 \$301.78 Read Id 002056 -: MERPHEREE ROAD 1 16.93 16.09 \$319.30 Activity M. 388 Disching 3 27.90 5.00 \$319.30 Second Totation - J 1.217 RODUP-3012 FORD F150 1 16.86 5.00 \$349.30 SM20017 723.09 1055 PICKUP-3012 FORD F150 1 16.86 5.00 \$341.45 SM20017 723.09 1052 EXCAVATOR-WHITELED 1 146.69 5.00 \$340.45 SM20017 723.09 0952 DEMP TREXK-FLATHED 1 49.36 5.00 \$340.45 SM20017 723.09 0952 DEMP TREXK-FLATHED 1 49.36 5.00 \$340.45 SM20017 723.09 0952 DEMP TREXK-FLATHED	99263016	72220	1069	DUMP TRUCK-2016 MACK	E.	164.81	18:00		\$1,048.19				
H026/2016 72220 0963 PICKUP 1 H033 10.09 \$149.39 Road Id - 002056: MERPHEREE ROAD Activity M 498 Bioching 5 Read Datriet - 3	10262016	72226	6679	KELLEY DONALD R	1	30.17	18:00	\$301.78					
Boud Id - 002056: MURPERFERIOAD Activity Id 398 Binching Road Diatrici - J 27.90 5.00 \$129.90 3962017 72330 1524 KURP RCHARD A 3 27.90 5.00 \$129.90 3962017 72330 1655 PICKUP-2012 FORD F150 1 18.86 5.00 \$294.30 3962017 72330 1652 EXCAVATOR-WHEELED 1 148.60 5.00 \$343.45 3962017 72330 152 EXCAVATOR-WHEELED 1 148.60 5.00 \$343.45 3962017 72330 0952 DEMP TRUCK-FLATHED 1 49.36 5.00 \$343.45 3962017 72330 0952 DEMP TRUCK-FLATHED 1 49.36 5.00 \$343.45 Boad Id - 003077-1 NEW HOPE ROAD 1 49.36 5.00 \$309.30 Activity Id J88 Dimetrici - 1 1 1 49.36 5.00 \$47.13 2702017 72300 0197 RASHINGTON ROBERT E	10262016	72220	0983	PICKUP	2	14.93	16:00		\$149.30				
Activity M J/M Binching Road District - J J9\2017 72330 124 KUEN RECEIVED A 3 27.90 5.00 \$199.30 J9\2017 72330 1055 PICEUP-2012 FORD F150 1 18.86 5.00 \$294.30 J9\2017 72330 1217 NORTON STEVE A 3 24.20 5.00 \$121.00 J9\2017 72330 1217 NORTON STEVE A 3 24.30 5.00 \$121.00 J9\2017 72330 1252 EXCAVATOR-WHITELED 1 148.60 5.00 \$309.30 J9\2017 72330 151 SALERS WELLAM R 3 21.90 5.00 \$309.30 J9\2017 72330 0452 DEMP TRUCK-FLATHED 1 49.36 5.00 \$309.30 Houd Ld - 002077+ NEW HOPE ROAD 207.2017 72.300 1517 MASHINGTON ROBERT E 3 27.703 5.58 \$69.80 J972017 72300 1057 TRUCKS017 FORD F153 1 18.58	Road Id - 0020	56-: MUR	PHREE	ROAD									
Road District - J Statistici - J 59/2017 72338 1524 KUEN EXCENARD A 1 27.90 5.00 3199.38 39/2017 72338 1217 NORTON STEVE A 1 24.20 5.00 5121.00 39/2017 72338 1217 NORTON STEVE A 1 24.20 5.00 5121.00 39/2017 72338 1552 EXCAVATOR-WHEELED 1 148.69 5.00 5121.00 39/2017 72338 1552 EXCAVATOR-WHEELED 1 148.69 5.00 5109.30 39/2017 72338 1552 EXCAVATOR-WHEELED 1 49.36 5.00 5309.30 39/2017 72338 0952 DEMP TREXCK-FLATIBED 1 49.36 5.00 5306.89 Road District -1 27/2017 72303 1517 WASHINGTON ROBERT E 3 27.93 5.59 547.15 27/2017 72303 1517 WASHINGTON ROBERT E 3 30.30 150	Activity M 350	Ditching											
39/2017 7230 1324 KUIN RICHARD A 1 27.90 3.00 \$19.90 39/2017 7230 1055 PICKUP-JULI FORD FLS0 1 18.86 5.00 \$94.00 39/2017 7230 1217 NORTON STEVE A 1 24.20 5.00 \$121.00 39/2017 7230 1652 EXCAVATOR-WHEELED 1 148.69 5.00 \$121.00 39/2017 7230 152 EXCAVATOR-WHEELED 1 148.69 5.00 \$109.30 39/2017 7230 151 SALERS WILLIAM R 3 21.90 5.00 \$109.30 39/2017 7230 0152 DEMP TREXE-FLATHED 1 49.36 5.00 \$296.80 Boad Diateire -1 2 27.90 7.50 549.80 547.15 27/2017 72300 1517 WASHENGTON ROBERT E 3 27.93 5.50 \$47.15 27/2017 72300 0027 BRYANT RERY A 3 30.20 259	Road District	-3											
39(2017) 72339 1055 PICKUP-2012 FORD F150 1 HL86 5.00 394.39 59(2017) 72339 1217 NORTON STEVE A 3 24.20 5.00 \$121.00 39(2017) 72339 1852 EXCAVATOR-WHELED 1 148.69 5.00 \$343.45 39(2017) 72339 1952 DEMP TRUCK-FLATHED 1 49.36 5.00 \$309.30 39(2017) 72339 0152 DEMP TRUCK-FLATHED 1 49.36 5.00 \$309.30 39(2017) 72309 0152 DEMP TRUCK-FLATHED 1 49.36 5.00 \$309.30 Bood District -1 27/2017 72303 1517 \$4.5HENOTION ROBERT E 3 27.93 2.59 \$47.13 37/2017 72300 1035 TRUCK-2017 FORD F150 1 18.86 2.59 \$47.13 37/2017 72300 0027 BRYANT RERY A 3 30.20 2.50 \$75.30 37/2017	3/9/2017	72530	1524	KUEN REDARD A	3	27.90	5.00	\$1,79,50					
SM2017 72330 1217 NORTON STEVE A 3 24.20 5.00 \$121.00 3M2017 72330 1052 EXCAVATOR-WHEELED 1 148.69 5.00 \$1309.50 3M2017 72330 1381 SALERS WILLIAM R 3 21.90 5.00 \$109.50 3M2017 72330 0952 DLMP TRUCK-FLATHED 1 49.36 3.00 \$246.80 Read To e02077-4 NEW IBOPE ROAD Activity M 268 Disabing Boad District -1 2772017 72300 1517 WASHINGTON ROBERT E 3 27.93 5.50 \$69.80 2772017 72300 1517 WASHINGTON ROBERT E 3 27.93 5.50 \$69.80 2772017 72300 1095 TRUCK2007 FORD F130 1 18.86 2.30 \$47.13 2702017 72300 0027 BRVANT #RREY A 3 30.20 2.50 \$123.40 2702017 72300 0097 DUMP TRUCK3008 1	3/9/2017	72330	1055	PICKUP-2012 FORD F150	1.5	18.86	5.00		\$94.30				
3%2017 72330 1852 EXCAVATOR-WHEELED 1 148.69 5.00 \$540.45 3%2017 72330 1381 SALERS WILLIAM R 3 21.90 5.00 \$109.30 3%2017 72330 0952 DLMP TRUCK-FLATHED 1 49.36 3.00 \$209.30 Bood Id 003077+ NEW HOPE ROAD 2 2 2 2 3 2 3.00 5.00 \$206.80 Bood Id 003077+ NEW HOPE ROAD 2 2 2 2 2 6 3 3.00 \$206.80 Bood District 1 3 37.93 3.58 5 5 5 3 3 3 3 3 3 5 9 8 3 3 3 3 3 3 3 5 9 8 1 3 3 3 3 3 3 3 3 3 3 3 3	5/9/2017	72530	1287	NORTON STEVE A	3	24,20	5.00	\$121.00					
MY2017 72330 1381 SALERS WELLAM E 3 21.90 5.00 \$309.30 39/2017 72330 0952 DLMP TRUCK-FLATHED 1 49.36 5.00 \$209.30 Houd Ld - 003077+ NEW HOPE ROAD Activity M 398 500.00 \$200.00 \$200.00 Activity M 398 Disabling Same \$200.00 \$200.00 \$200.00 Beed District -1 ************************************	3/9/2017	72338	1052	EXCAVATOR-WHEELED	1.1	148.69	5.00		\$343.45				
39/2017 72330 0452 DUMP TRUCK-FLATHED 1 49.36 5.00 \$246.80 Road Ld + 002077+ NEW HOPE ROAD Activity M 398 Disching 27/2017 72300 1517 WASHINGTON ROBERT E 3 27.93 2.50 569.80 207/2017 72300 1517 WASHINGTON ROBERT E 3 27.93 2.50 569.80 207/2017 72300 1005 TRUCK-2007 FORD F130 1 18.86 2.30 \$47.15 207/2017 72300 0027 BRYANT JERRY A 3 30.20 2.59 \$75.30 207/2017 72300 0997 DUMP TRUCK-3008 1 49.36 2.59 \$123.40 207/2017 72300 0997 DUMP TRUCK-3008 1 49.36 2.59 \$123.40 207/2017 72300 0997 DUMP TRUCK-3008 1 49.36 2.59 \$123.40 207/2017 72300 0416 FECUP 1 14.42 2.59 \$26.05 <td>3/9/2017</td> <td>72330</td> <td>1581</td> <td>SALERS WILLIAM R</td> <td>3</td> <td>21.90</td> <td>3.00</td> <td>\$109.50</td> <td></td> <td></td> <td></td>	3/9/2017	72330	1581	SALERS WILLIAM R	3	21.90	3.00	\$109.50					
Bood Ld + 002077+ NEW HOPPE ROAD Activity M 398 Disabing Bood District +1 3 27.93 3.50 569.83 27/2017 72300 1517 9KASHENGTON ROBERT E 3 27.93 3.50 569.83 27/2017 72300 1005 TRUCK-2007 FORD F130 1 18.86 2.59 \$47.15 27/2017 72300 0027 BRYANT JERRY A 3 30.20 2.59 \$75.30 27/2017 72300 0097 DUMP TRUCK-3008 1 49.36 2.59 \$123.40 27/2017 72300 1932 CATTLING LEVAR 3 18.01 2.59 \$47.53 27/2017 72300 0416 FICKUP 1 14.42 2.59 \$26.05	39/2017	12330	0152	DEMP TRUCK-FLATHED	1.1	49.36	3.00		\$246.88				
Activity M. 288 Disching Bead District -1 275/2017 72303 1517 SLASHENGTON ROBERT E 3 27.93 3.50 \$69.83 275/2017 72300 1005 TRUCK-2007 FORD F150 1 18.86 2.59 \$47.15 275/2017 72300 0027 BRYANT JERRY A 3 30.20 2.59 \$75.30 275/2017 72300 0027 BRYANT JERRY A 3 30.20 2.59 \$75.30 275/2017 72300 0997 DUMP TRUCK-3008 1 49.36 2.59 \$123.40 275/2017 72300 258 CATTLING LEVAR 3 18.01 2.59 \$47.33 275/2017 72300 016 FICKUP 1 14.42 2.59 \$47.53	Houd Ld - 0030	77-1 NEW	HOPE I	ROAD									
Board District -1 3 37.93 3.58 \$69.83 277/2017 72300 1517 WASHINGTON ROBERT E 3 37.93 3.58 \$69.83 277/2017 72300 1605 TRUCK-2007 PORD F150 1 18.86 2.59 \$47.15 277/2017 72300 0627 BRYANT JERRY A 3 30.20 2.59 \$75.30 277/2017 72300 0997 DRMP TRUCK-2008 1 49.36 2.59 \$123.40 277/2017 72300 2928 CATTLING LEVAR 3 18.01 2.59 \$47.33 277/2017 72300 0816 PECEUP 1 14.42 2.59 \$47.33	Activity M. 281	Dishing											
377/2017 72303 1317 WASHINGTON ROBERT E 3 27.93 3.58 \$69.83 377/2017 72303 1005 TRUCE-2007 PORD F150 1 18.86 2.59 \$47.13 377/2017 72300 0027 BRYANT JERRY A 3 30.20 2.59 \$75.30 377/2017 72303 0997 DUMP TRUCE-3008 1 49.36 2.59 \$123.40 377/2017 72303 258 CATTLING LEVAR 3 88.01 2.59 \$123.40 377/2017 72303 258 CATTLING LEVAR 3 88.01 2.59 \$123.40 377/2017 72303 258 CATTLING LEVAR 3 88.01 2.59 \$123.40 377/2017 72303 258 CATTLING LEVAR 3 88.01 2.59 \$47.33 377/2017 72303 0416 FICKUP 1 14.42 2.59 \$36.03	Read District	4											
27/2017 72300 1005 TRUCK-2007 FORD F150 1 18.86 2.50 \$47.15 27/2017 72300 0827 BRYANT JERRY A 3 30.20 2.50 \$75.30 27/2017 72300 0997 DUMP TRUCK-2008 1 49.36 2.59 \$123.40 27/2017 72500 258 CATTLING LEVAR 3 88.01 2.59 \$47.33 27/2017 72500 258 CATTLING LEVAR 3 88.01 2.59 \$47.33 27/2017 72300 0816 FICKUP 1 14.42 2.59 \$47.33	2/7/2017	72303	1517	WASHINGTON ROBERT E	3	22.93	2.50	\$69.83					
2/1/2017 72303 0827 BRYANT JERRY A 3 30.20 2.50 \$75.30 2/1/2017 72303 0997 DUMP TELCK-2008 1 49.36 2.59 \$123.40 2/1/2017 72503 2528 CATTLING LEVAR 3 18.01 2.59 \$47.53 2/1/2017 72303 2528 CATTLING LEVAR 3 18.01 2.59 \$47.53 2/1/2017 72300 0816 PICKUP 1 14.42 2.59 \$36.05	2/7/2017	72360	1005	TRUCK-2007 FORD F150	1.1	18.95	2.59		\$47.15				
2/3/2017 72303 0997 DUMP TRLKK-2008 1 49.36 2.59 \$123.40 2/3/2017 72503 2528 CATTLING LEVAR 3 18.01 2.59 \$47.53 2/3/2017 72300 0816 PICKUP 1 14.42 2.59 \$47.53	2/7/2017	72300	0027	BRYANT JURRY A	3	30.20	2.50	\$75.50					
2/3/2017 72503 2528 CATTLING LEVAR 3 88.01 2.59 \$47.53 2/3/2017 72303 0816 PECKUP 1 14.42 2.59 \$36.05	2/7/2017	72360	0997	DUMP TELICK-2008	1.1	49.36	2.50		\$123.40				
2/W2017 72360 0816 PECKUP I 14.42 2.59 \$36.05	2/7/2017	72503	2126	CATTLING LEVAR	3	88.01	1.50	\$47.33					
CONTRACT AND ADDRESS AND ADDRESS ADDRES	2/7/2017	72360	0816	PICICLIP	1	14.42	1.50		\$36.05				
2/7/2017 72303 1809 PERKINS ROCER L 1 21.78 2.59 \$54.45	2/2/2017	72300	1809	PERKINS ROGER L.	1	28.78	2.56	\$54.45					
2/7/2017 72363 HI29 DUMPTRUCK-2006 1 49.36 2.50 \$123.40	2/7/2017	72369	1029	DUMP TRUCK-2006	152	49.36	2.50	5555	\$125.40				
2/3/2017 72303 1530 GUTHERY THOMAS 3 21.10 2.50 \$52.75	2/7/2017	72500	1530	OUTHERY THOMAS	3	25.10	2.50	\$52.79					
2/0/2011 72363 1053 EXCAVATOR-WHEELED 1 148.69 2.58 \$371.73	2/7/2011	72300	1053	EXCAVATOR-WHEELED	1.	148.69	2.58		\$371.73				

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date	DJ M	M	Buscriptica	Rate M	Raty	Units	Emp Cost	Lys Cost	Mar Cost Con Cost
Project 14 -28-062 Road 54 - 0020	THE NEW	HOPE	ANCE-BRAINAGE, DITCH, SHO ROAD	NUMB					
Activity M 35	Ditching								
Boad District	1-1								
2/3/2017	72903	1041	BACKHOE-2015 CAT 430F	1.	40.73	2.50		\$154.33	
2/7/2017	72305	1468	DUTTON CLAUDE C	3	18.56	2.99	\$46.40		
2/1/2017	72903	1064	DUMP TRUCK-2016 MACK	1.0	104.81	2.55		\$362.00	
2/3/3917	12305	2536	CARREL MARCES	3	18.38	2.50	\$45.95		
2/3/2017	72303	0181	PICKUP	1.1	18.85	2.90		547.15	
2/7/2017	72388	2515	STOWERS SHEA	3	29.62	2.50	\$51.55		
2/13/2017	22308	1299	FROST RANDALL C	3	30.54	5.00	\$152.70		
213/2017	22508	1014	PICKUP-2012 PORD P155	1.1	18.85	9.00		294.30	
213/2017	72304	0077	DRYAST RERY A	3	30.20	3.00	\$151.00	0.026	
2030247	22306	0990	DUMP TRUCK-2008	100	49.36	5.00		\$246.88	
2/23/2017	72308	1800	PERKINS ROOFE 1.		21.28	3.00	\$108.95		
211/10/7	27506	1079	DUMP TRUCK 2006.	1.2	49.55	5.00		\$246.85	
2012/2017	91504	9416	STORUSS SHEA		35.62	5.00	4107.18	100 100 100	
201/2017	77508	48.77	PROVIDE DESIGN		14.41	1.00	3000.30	\$22.34	
1/11/10/17	22308	1041	BACKING MILCAT AME	1.0	64.72	3.00		5308.65	
Band Ed 0020	BLA NICH	OLS IN	Indentitie-and the		40.72	2.00		2046.00	
Autority 14, 200	and states	NALS NO.							
Artisty to act	. second								
Road Destroit	and and	2422	ALC REAL PORTLAND			1.66	P12.24		
10192010	73,785	-2527	NULEN REEDAN		19.78	2.00	\$342.7%	A1177.44	
12/19/2016	73,260	1040	BACKHOE-3013 CAT 4NP		84,73	2.00		3122,46	
1219(2016	7.0290	2547	ALLEN JORDAN	- 20	15.35	2,00	\$14.78	-	
12/19/2010	12280	1000	TRAILER-2009	- 10	12.47	2,00		324,94	
15/10/2010	71265	1001	DUMP TRUCK-2010	- 23	47.93	2.00	1000	201.34	
12/19/2016	71263	1491	NAIL JAMES	3	12.43	2.00	344.8h	1000	
12/19/2010	72265	1068	DUMP TRUCK-2016 MACK		104.81	2.00	Second second	\$209.62	
12/19/2016	72263	2121	HEL, AMOS	2	29.27	2.00	\$40.34	1000 Co. 1	
12/19/2016	72265	1043	BACKIRDE-2015 CAT 410F		65.73	2.00		\$123.46	
12/19/2016	72263	2512	SHEELER DAVID	3	16,77	2.00	\$33.34		
12/19/2016	72265	1069	DUMP TRUCK-2016 MACK	1. C	104.83	2,00	500	\$209.62	
12/19/2016	71263	1217	NORTON STEVE A		23.92	2.00	547.84		
12/19/2016	72265	1052	EXCAVATOR-WHEELED	1. C	148.59	2.00	122	\$297.38	
12/19/3016	72265	1581	SALERS WILLIAM R	3	21.62	2.00	\$43.24		
12/19/2016	72265	1020	DUMP TRUCK-2003	1.5	45.35	2.00		\$90.30	
12/19/2016	72265	1166	HEARD ERIC W	3	34.40	2.09	\$48.80		
12192016	72265	1067	DUMP TRUCK-2016 MACK		104.81	2.00		\$209.62	
Road Id - 0021	06- OAK	CBOA.E	ROAD						
Activity 1d 354	6 Ditching								
Read District	-3								
3/30/2017	72348	1324	KURN RICHARD A	3	27.90	2.59	\$69.75		
3/36/3912	72348	1055	PICKUP-2012 FORD F150	- E.	18.85	2.99		\$47.15	
3/36/2017	72348	2327	ALLEN JORDAN	3	16.54	2.50	561.36		
3/36/2017	72348	1040	BACKHOE-2015 CAT-IOIF	1.0	61.73	2.50		\$154.30	
3/36/2017	72348	2332	SHEELER DAVID	3	16.92	2.50	\$42,30		
3/36/2017	72348	1072	TRUCK-2011 FORD F598	1.	34.57	2.50		361.43	
3/30/2017	72348	1000	TRAILER-2009	1.1	12.47	2.50		\$31.18	
3/30/2017	72348	1001	DUMP TRUCK-3910	8	49.36	2.50		\$123.48	
3/36/2017	72348	1491	NAIL JAMES	3	22.71	2.55	\$56.78		
Road 1d - 0021	17- OLD	CAMP I	DAD						
Activity 1d -350	Ditching								
Read District	-1								
12/3/3016	72214	2156	CARROLL MARITER	1 C	12.63	1.50	\$24.71		
12/20016	72244	0008	DUMP TRUCK - NOR CMC	1.1	47.19	1.55		5 \$20.79	
13/3/3014	73256	2494	OPSON ADAM		13.60	1.55	\$79.40	4.4.6	
12/20045	72746	1009	DRIMP TRUCK _ MIN		46.76	1.55		540.53	
23/2/3024	93944	main.	SEARS MADER STORE		15.01	1.64	\$24.67		
12/3/2016	72256	2523	SEARS MARQUETTE	3	15.41	1.50	\$24.63		

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ETOWAH COUNTY - DOCUMENT SET 4-2

		227	Barris Contractor	A		2.2		Free Parts	Marchael	See Pres
Date	0.010	14	Description	BUT	KAN	180	Forg Cost	Obreas	Marcan	Casting
Project Id - 28-000 Read Id - 0021	1100W M	CAMPI	INCE-BRAINAGE, DITCH, SR RDAD	NILDER						
Activity M 25	a Disching		and b							
Road District	1.1									
12/20016	92256	0981	PICKUP	1.1	18.31	1.50		\$27.41		
12/2/2016	22256	1350	CETTHERY THOMAS		20.95	1.50	\$11.43			
12/10014	72256	1053	EXCAVATOR-WHEELED	1.1	148.69	1.50	40.0050	\$223.04		
12/3/2016	22256	1458	DOTTON CLAUDE C	1.1	18.40	1.50	327.60			
12/202016	72236	1064	DEMP TRUCK-2018 MACK	1	104.81	1.50	1.111	\$157.22		
12/32014	72256	2515	STOWERS SHEA	- 1	20.48	1.50	\$10.72	0.000		
12/3/0016	72256	1051	TRUCK-2008 FORD F490	1	27.92	1.50	0.000	\$41.88		
12/3/3014	72255	1041	BACKHOR-2013 CAT 430P	1.1	61.73	1.50		\$92.60		
12/3/2016	77256	2128	CATTLING LEVAR		18.81	1.50	\$28.22	1.000		
12/3/2016	93256	2514	WINN TONINY L	3	16.05	1.50	\$24.05			
Read Id - 0021	20 OLD	GALLA	NT BOAD							
Activity \$4,345	a Disching									
Read District										
1010017	21298	207	ALLEN KHUAN		16.54	1.00	\$16.55			
1/13/00/1	77260	1040	BACKING-2015 CAT 430F	1.1	41.73	1.00		461.71		
1/13/0017	91208	1911	SNETLER DAVED		16.97	1.00	\$16.92			
1/23/3017	122560	1069	DEMP TRUCK-DOLEMACK	1	104.81	1.00		5104.81		
1/73/2017	77500	1491	NAR DAMES		22.21	1.00	422.71			
1/23/2017	10100	1068	DEMP TRUCK WILL MACK	1	164.81	1.00		\$104.81		
103/3017	10100	1000	TO AN INC. NAME	1.1	12.42	1.00		\$12.41		
4/22/2017	77700	1001	DOMESTICK, NO.		40.14	1.00		549.35		
Read Lt . DOT	an orw	VII. M	AD		44.50					
Activity 54 .84	Binding.									
Read District										
1040017	27201	1194	IN THESE WAS NOT LEASED		21.19	1.00	\$61.92			
1040017	10000	0643	PRINTIP- MOU PRIDUE RAM	1.1	14.47	3.00	10,010	641.26		
LT40017	23260	2426	CARDON MARCES		18.78	3.00	\$15.14	- Arthough		
1/14/0617	772564	1042	BACKHOR-2015 CAT 430F	1	61.73	1.00	610,015	\$181.09		
Read 1d - 0021	43 · OVE	RLOOK	BOAD							
Activity M .30	a minutine									
Road District	1-1									
1/28/2017	99544	1217	NORTON STEVE A		24.70	5.00	\$121.00			
1/28/2017	77.544	1053	EXCAVATOR - SHEELED	1	148.69	5.00		\$243.45		
108/0017	22346	1184	SELARD END W		24.69	5.00	\$223.45			
1/26/2017	92345	1057	DEMP TRUCK-2016 MACK	1	104.81	5.00		\$354.05		
Read 1d . 0021	UR. OWE	NS SHT	TOR ROAD							
Activity M. J.S.	a Disching		a con poor an							
Read District	1.2									
3/25/2017	72547	2907	GRANCER RELICT		11.84	4.00	\$75.36			
1/19/2017	72540	0997	DEMP TRUCK-2008	1.5	49.56	4.00		\$197.44		
1/29/2017	72147	1041	BACKHOR-3915 CAT 430F	1.1	41.73	4.00		\$346.92		
1/29/2012	22342	1809	PERKINS RICER L	- A	21.78	4.00	\$87.12	1.12		
1/29/2017	72347	0543	PICKUP-2001 DODGE RAM	1.1	14.42	4.00	2023	\$57.68		
1/29/2013	72347	2534	WINN TOMMY L	1.0	15.19	4.00	\$64.76	10000		
Road 1d - 0021	49-: OWL	SHOLD	OW ROAD	1.12			Sec. 1.			
Activity M JM	8 Bitching									
Read District	1.1									
1213/2016	22248	2036	CARROLL MARCES		12.83	10.00	\$178.30			
1011/2014	72164	0998	DEMP TRUCK-2008 OMC	£ -	43.19	10.00		\$471.99		
12/13/2016	72264	1641	BACKHOE-2015 CAT 410F		64.73	18.00		561730		
11/13/10/14	72248	2995	CIPSON ADAM	3	22.60	10.00	\$196.00			
11/11/2014	72244	1029	DEMP TRUCK-2006		46.95	10.00		\$465.18		
10110000	77246	1116	MCGATHA CHARLES F		21.94	10-00	\$239.40	1.244		
12/13/2014	72260	0981	PICKUP		18.31	16:00		\$181.10		
12/13/2014	22266	2124	CATTLINGLEVAR		10.01	18-00	\$188.10	12.20		
on elements			The second se		10000					

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Dete	DJ M	14	Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cent	Cast Cost
Project Id - 28-002 Boad Id - 0021	180W MJ	S HOLL	AVCE-DRAINAGE,DITCH,SBR OW ROAD	HIDER						
Activity 1d 350	Ditching									
Read District	-2									
10/14/2016	72261	2326	CARROLL MARCUS	- 2	17.83	2.50	\$44.58			
12/14/2014	72264	0998	DUMP TRUCK-2008 GMC	1	47.19	2.50		\$117.98		
12/24/2014	72265	1041	BACKHOE-2015 CAT 400F	1	41.72	2.56		\$154.33		
13/14/2014	72261	2128	CATTLING LEVAR		18.88	2.50	347.03			
12/14/2016	72264	0983	PICKUP	1	18,31	2.50	10 m m	\$45.78		
13/14/2016	72263	2505	GIPSON ADAM		19.60	2.50	\$49.00			
10/14/2016	72264	1029	DUMP TRUCK-2006	1	46.35	2.58		\$115.88		
1/25/2017	72292	2526	CARROLL MARCUS	3	18,38	50.00	\$183.80			
1/25/2017	72292	0998	DUMP TRUCK-2008 GMC	1	49.36	10.00		\$493.68		
1/25/2017	72292	1842	BACKHOE-2015 CAT 400F	1	61.79	10.00		\$617.30		
1/25/2017	72290	2907	GRANGER BRUCE		18.84	00.00	\$188.40			
1/25/2017	72292	0882	DUMP TRUCK-FLAT RED	1	49.36	10.00		\$493.60		
1/31/2012	12296	2124	CARBOLI MARCUS		18.38	10.00	\$193,00			
1/31/2017	72296	1843	ENCAVATOR-WHERLED	1	148.00	10.00		\$1,485.90		
1/31/2017	72296	2505	GEPSON ADAM		19.88	10.00	\$198.00			
6/81/2017	72296	1064	DEMP TRUCK-2016 MACK	1	104.83	10.00		\$1.048.10		
101/2017	77296	2515	STOWERS SHEA		20.62	10.00	\$206.20			
4/14/2017	72746	0817	PICKUP	1.1	14.42	10.00		\$144.20		
101/2012	22266	1517	WASHINGTON ROBERT F		27.93	10.00	\$279.50			
3/11/2017	77294	1001	TELC 8 - 3007 FORD F150	1.1	18.86	10.00		\$188.60		
1/11/2017	77296	6540	WILLIAMS SPINSTER B.		37.69	10.00	\$126.90			
101/2017	TYPE	1054	PICKUP-3013 DORD Frie	1	18.85	10.00		\$188.60		
3/3 3/26027	12310	1517	WASHINGTON MURERT F.		27.93	1.00	\$139.65			
3/32/2017	77133	1005	TRUCK, 2007 BORD 2150	1.1	18.86	5.00	acress.	\$94.90		
2022/2020	92333	0017	BEYAMT REFY A		34.70	5.06	\$141.00			
3.12.5.755.0.7	10000	00007	Participation and a second second		49.14	5.00		8546.80		
3/13/2011	72333	1040	BACKING, NOACKY FIRE		21.77	5.00		\$108.65		
2020001	22333	1000	PEDERAS BOOLER 1		21.78	4.00	6104.94	Arrestor -		
313,045,004,7		1000	PERSONAL PROPERTY AND A STORY	1.1	104.00	5.00	3100.00	OCTAINS.		
3,733,75517	777.47	1000	THE REPORT OF TH		27.02	10.00	8716.50	4004.00		
104041	22242	1010	TRANSF. SANTEGERS FIND	1.1	18.84	10.00	8412.04	1100.00		
3/2/8/2011	100.047	1000	PARTY NO. 1 DRAF		10.00	10.00	4100.10	31,000,000		
3/20/2017	20200	1045	CALIFORNIA DE VAL		100.00	10.00	31.00.00	P1 (00) (00)		
3/29/2001	201647	1000	California a Parala		10.00	100.000	A 100 M	81,488.349		
3129425012	22,942	1000	CORDER TRUCK, MALE MALEY		104.64	10.00	3136.90	#1.04# 10		
352902012	12.947	2004	DUNEY TRUCK-DUNE SER.K.		100.00	10,00	4147.00	\$1,048.10		
3029020117	32,947	2010	TRUCK SHEEPED DUED		10.70	10,000	318.000	1700.00		
3/29/2017	12,547	1010	Facility Res Concerns		10.08	10.00	81000 DA	3.096.89		
3/39/2011 P	12,948	3938	CATTLING LEVAK		199,00	10,00	\$190.00	Concerner 1		
30982017	12348	1653	ENCAVATOR-WREELED		148.00	10.00	4.000.000	31,486.30		
3/3/8/2011	12,948	1000	CORDUNATIONS PROVIDE		12.13	10,000	3122.39			
3/3/8/2011	100.48	1004	ENGRY ERGANANCE MARKE		10.00	10.00	8187.00	\$1,048.10		
3/38/2017	72,948	2505	POLATT TERM	1.1	18,76	10.00	\$287.00	a 1000 au		
3/398/2017	72348	10.00	FIELDER-2008 PENDOPHON		29.08	10.00	873.07 mil	3299.89		
3/98/2017	72348	1110	MUGATHA CIEARLES E		24.22	10.00	\$242.20			
3/39/2017	12,948	1212	WASHINGTON ROBERT E	1.0	21.99	19.00	971.0'30			
3/30/2017	72348	1660	TROCK-2807 FORD F150		18.86	10,00		2188.80		
3/98/2017	12348	2507	GRANGER BRUCE		18.84	10.00	\$188.40			
Read Id - 6921	65-C PATT	ERSON	DRIVE							
Antivity Id. 358	Dirching									
Baad District	-2									
3/16/2017	72336	0827	BRYANT JERRY A		30.39	4.00	\$1,20,80			
3/96/2017	72336	0997	DUMP TRUCK-2008	1 C	49.36	4.60		\$197.44		
3/96/2017	72336	1809	PERCINS ROGER L	3	21.78	4.00	\$87.12			
3/86/2017	72306	1129	DUMP TRUCK-2006	1	49.36	4.00		\$197.44		
3/96/2017	723.96	1041	BACKHOE-2015 CAT 430F	1 I	44,23	4.00		\$246.92		
PA	GE 77 OF	98				E	TOWAH COUN	TY - DOCUME	ENT SET 4-2	

Date	DIM	10	Description	Rate Id	Rate	Units	Tang Cost	Equ Cost	Mat Cast	Cas Cas
Project Id -28-002 Road Id - 09214	IROW MA	INTEN TRSON	ANCE-BRAINAGE, DETCH, SHE DRIVE	HIDER						
Activity M -358	Ditching									
Road District	-2									
3/36/2017	72334	1201	TURNER ADRIAN J		24.30	4.00	\$76.80			
Read 1d - 00217	N-C PAYN	C BOA	D							
Arrivity M 358	Disching									
Read District	-4									
1902017	77280	1490	NAIL JAMES		22.78	2.56	\$56.78			
1/9/2017	72280	1068	DUMP TRUCK-2016 MACK	1	104.88	2.50		\$262.03		
1/9/2017	72290	1517	ALLEN JORDAN	3	16.54	2.50	541.36			
1902017	12380	1845	BACKHOE-2013 CAT 430F	1	61,73	2,50		\$154.33		
1/9/2017	72290	1000	TRAKER-2009	1	12.47	2.50		\$31.18		
150017	72380	1000	DUMP TRUCK-2010	1	49.36	2.50		\$123.40		
Read 5d + 00213	TH PEAK	II THE	ELANE							
Activity M 350	Dishing									
Road District	-1									
3/22/2017	72540	1524	KUHN RICHARD A		27.96	3.00	\$83.70			
3/32/2017	72341	1855	PICKUP-2012 FORD F150	1	18.85	3.00	-	\$56.58		
3/23/2017	72348	1217	NORTON STEVE A	3	24.20	5.00	\$121.00	A4000000		
3/22/2017	72341	1012	EXCAVATOR-WHEELED	1	148.69	5.00	10000	\$743.45		
3/22/2017	72548	1144	HEARD ERIC W		24.69	5.00	\$123.45			
3/22/2017	72341	1947	DEMP TRUCK-2016 MACK	1	104.81	5.00	100000	\$524.65		
Read 14 - 00223	the PINE	GROVE	ROAD	- 257	2000	1922		10000		
Activity Id. 350	Ditching									
Road District	-2									
1/23/2017	72290	0623	BRYANT IFERY A		30.20	5.00	\$151.00			
1/23/2017	77290	0997	DOMP THINK-2008	1	49.36	5.00		\$245.80		
1/25/2017	71790	1041	BACKIECE-2015 CAT 430F	1	61.73	5.00		\$308.41		
1/23/2017	72290	2587	ORANGER BRUCE	1	18.94	5.00	\$54.20	accession of		
1/23/3017	72240	0081	PECICUP	1	18.86	1.00		\$94.30		
2/14/2017	72100	1249	FROST RANDALL C		30.54	5.00	\$112.70			
2/14/2017	72389	1054	PICKUP-2012 FORD F150	1	18.84	5.00		\$94.30		
2/14/2017	72309	1510	GUTHERY THOMAS		21.88	5.00	\$105.50			
2/24/2017	72309	1013	ENCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
2/14/2017	12100	1468	INTERN CLAUDE C		18.56	5.00	\$92.86			
2042017	72309	2064	DUMP TRUCK - 2016 MACK	1	104.81	5.00		\$534.05		
2/14/2017	77368	1118	MULTINA CHARLES K		24.72	5.00	\$121.10			
3/14/2012	72300	1414	TRUCK-3000 FORD F450	1	29.08	5.00		\$145.40		
2/14/2017	72309	2428	CATTLING LEVAE		19.00	3.00	\$12.03			
2/15/2017	72348	1219	FROST RANDALL C	2	30.54	5.00	\$192.70			
3/15/2017	723100	1854	PICKUP-2012 FORD F150	1	10.04	5.00		\$94.30		
2/15/2612	72148	1530	GUTHERY THOMAS		21.10	5.00	\$105.50			
2/15/2017	72100	1913	EXCAVATOR-WHEELED	1.1	148.69	5.00		\$243.45		
2/15/2017	72110	1408	DUTTON CLAUDE C		18.36	5.00	\$92.80			
2/15/2017	72308	104	DUMP TRUCK-2016 MACK	1	104.81	5.00	0.000	\$534.01		
2/15/2017	77330	2578	CATTUNO LEVAR		19.00	5.00	395.05			
2/15/2017	77100	1611	TRUCK-YOR FORD FASE	1	29.05	5.00		\$145.00		
2/2 5/2001 7	77835	1116	SECONTRACTION IS N		24.22	5.00	\$171.10	41.65.66		
Band 5.4 - 40224	IL PINE	VIEWC	INCLE.							
Activity in 184	Distant									
Right Birthing	-4									
3/36/36/17	TIMAS	1994	POSEV LAMPS TH	1.00	140.00	4.00	106.44			
3/38/36/11	TTLAL	PRAN.	BACEBER, SOLCAT AND	1	41.72	4.00	2.00.00	1244.00		
3/36/30/17	79144	3515	SHEET ER DAVID		14.03	4.00	107.148	3479.74		
1000000	777.84	1000	DUMP TRUE W., NOA MANY	1.0	104 81	4.00	441.00	\$419.74		
Read Id . dore	10. PT 81	SANTS	BLL CHURCH BD		111111			2012/201		
Activity 14 244	Distant		and care weat his							
Read District	.3									
the second										

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Mat Cost Cost Cost
Contraction of the local distance of the loc

1226		235				-	-		Martine	Sec. 12
Date	DUM	M	Description	Harry Ed	Rett	Contra .	Lap Cost	Eqs Cost	Mar Cost	Cest Cas
Read Ed - 0013	18-: RED	MOUNT	ANCE-DRAINAGE,DITCH,SHO IAIN ROAD	LDER						
Activity 14 350	Disching									
Boad District	-3									
10/27/2016	72224	2521	HELL AMOS	3	20.27	3.00	560.81	10000		
10/27/2016	72229	1043	BACKHOE-2013 CAT-KHIF		61.73	3.00		\$185.19		
10/27/2016	72228	2582	SHEELER DAVID	3	06,77	3.00	\$50.31			
38/22/2004	92229	1069	DUMP TRUCK-2016 MACK	1.1	104.81	3.00		\$314.43		
10/22/2006	72221	0679	KELLEY DONALD R		30.17	3.00	\$90.11			
10/27/2016	72229	0983	PICKUP	1 C	14.93	3.00		\$44,79		
10/27/2016	72231	1090	TRAILER-2009	1.5	12.47	3.00		\$37.41		
10/27/2016	72223	1004	DUMP TRUCK-2010	1.0	47.93	3.00		\$143.79		
Read Id - 0023	36+ HICH	OLES INC	IAD							
Activity 14 250	Disting									
Read District	-4									
3/28/2917	72346	2527	ALLEN JORDAN	3	16.54	3.00	\$49.64			
3/28/2013	72346	1044	ENCAVATOR-2015 CAT 3140	C 10 -	102.59	3.00		\$307,77		
3/28/2017	72346	1000	TRAILER-2009	1.5	12.47	3.00		\$37.41		
3/26/2017	72346	1001	DUMP TRUCK-2010	- E .	49.36	3.00		\$148.08		
3/28/2017	72346	1491	RAIL DAMES	3	22.73	3.00	\$68.13			
3/28/2017	72346	1068	DUMP TRUCK-2016 MACK	1.5	104.83	3.00		\$314.43		
Boad Id - 0023	76 - ROB	ERTS RO	DAD							
Activity 14 350	Disking									
Road District	-3									
12/6/2016	72253	2521	HILL AMOS		20.27	3.09	560.81			
12/6/2016	72235	1903	BACKHOE-2013 CAT 430F	1.5	64.73	3.09		\$285.29		
12/6/2016	72253	2512	SHEELER DAVID	3	15.77	3.00	\$50.10			
12/6/2018	77235	1069	DUMP TRUCK-2016 MACK	- E -	104.81	3.00		\$314.41		
12/6/2016	72258	0629	KELLEY DONALD R	3	30.17	3.00	\$90.31			
13/6/2016	72255	0983	PICKLIP	1.1	14.95	3.00		544.79		
12/6/2018	72235	1000	TRAILER-2009	1.1	12.47	3.00		\$37.41		
12/6/0916	72255	1001	DUMP TRUCK 2010	1.5	47.93	3.00		\$343.79		
Head Id - 0023	85: NOC	KLEDGI	EROAD							
Activity \$4,250	Disching									
Road District	-3									
19/25/2016	72219	2121	HEL AMOS	5	20.27	4.09	\$81.08			
19252016	72219	1043	BACKHOE-2013 CAT 410F	1	62.73	4.00		\$346.92		
10/25/2016	72219	1000	TRAILER-2009	1.1	12,47	4.00		549.88		
10/25/2016	72239	1001	DUMP TRUCK-2010	1.5	47.93	4.00		\$291.72		
10252016	72219	2112	SHEELER DAVID	3	16.77	4.00	\$87.08			
10252016	72219	1069	DUMP TRUCK-2016 MACK	1.1	104.81	4.00		\$419.34		
Hoad Id - 0023	86-: BOC	KY FOR	DROAD							
Activity 10 -350	Disking									
Boad District	-1									
12/8/2014	72257	1130	GUTHERLY THOMAS	3	20.95	3.00	\$62.83			
12/8/2016	12250	1053	EXCAVATOR-WHEELED	- 10 C	148.69	3.09		\$446.07		
13/8/2016	72257	1468	DUTTON CLAUDE C	3	18.40	3.00	\$55.20			
12/8/2016	72257	1066	DUMP THUCK-2016 MACK	1.1	104.81	3.00		\$164.43		
12/8/2016	92257	2123	SEARS MARQUETTE	3	16.41	3.00	\$49.23			
13/8/3916	22283	1031	TRUCK-2008 FORD F458	1.1	27.92	3.00		\$83.76		
12/8/2916	72257	2515	STOWERS SHEA	¥	20.48	2.00	\$40.96			
3/28/2917	72921	1917	WASDENGTON ROBERT E	3	27.93	10.00	\$279.30			
208/2017	72930	1005	TRUCK-2002 FORD F158	1	18.86	10.00		\$188.60		
2/28/2017	72321	2555	STORERS SHEA	1	29.62	10.00	\$206.20			
2/28/2017	72303	1053	ENCAVATOR-WHEELED	1	148.69	10.00		\$1,485.90		
2/28/2017	22321	1468	DUTTON CLAUDE C	3	18.56	10.00	\$185.60			
208/2017	72120	1064	DUMP TRUCK - 2016 MACK	1	104.81	10.00		\$1,048.10		
224/2917	72921	2438	CATTLING LEVAR	3	39.01	10.00	\$199.16			
228/2017	22324	1011	TRUCK-2008 FORD FASE	1.1	29-04	10.00		\$290.80		
analysis is	10000	1000	Contraction of the second seco	210		10.00				

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Date	DJ M	м.	Description	Rate M	Rate	Units	Emp Cost	Equ Casi	Mat Cost.	Con Cost
Project Id -28-002 Read Id - 0023	HROW M.	AINTEN/	ANCE-DRAINAGE,DITCH,SIR D ROAD	NULINOR						
Activity Id. 350	Disching									
Band District	-2									
30.0017	T2324	1517	WASHINGTON ROBERT E	3	23.95	10.00	\$279.50			
3/2/2017	72324	1005	TRUCK-2007 FORD F150	- E.	18.86	10.00		\$188.60		
3/2/20017	12324	2515	STOWERS SHEA	3	28.62	10,00	\$206.20			
3/3/3017	72524	1053	EXCAVATORWHEELED	1.1	148.69	10.00		\$1,486.90		
3/2/2017	72334	2538	CATTLING LEVAR)	10.01	10,00	\$190.10			
3/2/2017	72324	1032	TRUCK-2008 FORD F450	1	29.06	10.00		\$290.88		
3/3/2017	12334	2507	GRANGER INFLICE	3	18.84	10.00	\$188.40			
3/3/2017	72324	1066	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
3/3/2017	72324	2534	WINN TOMMY I.	1	48.19	10,00	\$161.90			
3/3/2017	72324	0617	PICKUP	- 1 K	34.42	10.00		\$144.29		
3/6/2017	72327	2515	STOWERS SPEA	3.1	29.62	5.00	\$143.30			
3/6/2017	72327	1055	EXCAVATOR-WHEELED	- E.	148.69	5.00		\$743.45		
3/6/2017	12327	2536	CARROLL MARCUS	3	18.38	5.00	\$81.90			
346/2017	72321	1064	DUMP TRUCK-2016 MACK	1.	104.81	5.00		\$124.05		
3/6/2017	12327	2528	CATTLING LEVAIL	3	19.01	5.00	\$95.05			
Read 14 - 8823	88-: BOC	KY HOL	LOW BOAD							
Activity Id. 350	Ditching.									
Read District	-4									
3/3/2017	72328	253.0	MAYS JIMMY R	2	15.54	7,00	\$115.78			
3/10847	72328	1043	BACKHOE-2015 CAT 430F	1.	63.73	7.00		\$432.11		
3/7/2017	72328	1000	TRAILER-2909	1 C	32.47	7,00		\$87.29		
3/3/2017	72529	1001	DUMP TRUCK-2010	1.5	49.36	7.00		\$345.52		
3/5/2017	72328	2527	ALLEN JORDAN	3	15.54	7.00	\$115.81			
Brad 1d - 0023	944 ROL	LING III	LLS ROAD							
Activity Id. 350	Disching.									
Read District	-4									
3/20/2017	123.99	9027	BRYANT JERRY A	>	30.20	10.00	\$162.00			
3/20/2017	72539	-9997	DUMP TRUCK-2008	1 C	.49.36	10,00		\$493.60		
3/20/2017	72519	1041	BACKHOE-2813 CAT 436F	1	. 63.73	10.00		\$617.30		
3/20/2017	723.99	1809	PERKINS ROGER L	3.	20.78	10.00	\$217.80			
3/20/2017	71339	1065	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
3/20/2017	12339	1299	PROST RANDALL C	3	30.54	10.00	\$305,40			
3/20/2017	72339	1054	PICKUP-2012 FORD F150	1	18.85	10.00		\$188.60		
Road 1d - 0024	56-c ROW	AN DRI	VE							
Artivity M 350	Disching									
Band District	-3									
2/27/2917	72370	1217	NORTON STEVE A	3	34.20	10.00	\$242.00			
2/22/2017	73329	1052	E3ICAVATORWHEELED	1	148.09	10.00		\$1,485.90		
2/22/2017	32320	1581	SALERS WILLIAM R	3	21,90	10.00	\$219.00			
2/27/2017	72329	-9952	DUMP TRUCK-FLATHED		49.36	10,00		\$493.60		
2/27/2017	12120	1524	KUHN IJCHARD A	3	27.90	10.09	\$179.00	1000		
2/27/2017	72329	1055	PICKUP-2012 FORD F159		18.85	10.00	19.36	\$188.60		
2/28/29/7	22321	1217	NORTON STEVE A	3	24.20	4.00	\$96.80			
2/28/2017	72321	1052	ENCAVATOR-WHEELED	1	148.89	4.00		\$594.76		
2/28/2017	72321	1581	SALERS WILLIAM R	3	21.90	4.00	\$87.60	1.5.2.2.5		
2/28/2017	72324	9952	DUMP TRUCK-FLATHED	E. ;;	49.36	6.00	1.000	\$197.64		
2/28/2017	72321	1524	KUHN IDCHARD A	3	27.90	4,00	5111.60			
2/28/2017	72323	1055	PICKUP-2012 FORD F150	1.	18.85	4.00		\$75.64		
Boad 8d - 0024	35+ SAM	UHACI	HAPEL ROAD							
Activity Id 350	Disching									
Based District	-4									
13/39/2016	72266	2127	ALLEN JORDAN	×	16.38	5.00	\$81.90			
13/29/2016	72266	1040	BACKHOE-2013 CAT 430F	1	61,73	5.00		\$308.65		
12/29/2016	72266	1000	TRAILER-2909	1	12.47	5.00		\$62.33		
12/20/2016	73266	1001	DUMP TRUCK-2010		47,95	5.00		\$239.65		
PA	GE 81 OF	98				E	FOWAH COUN	TY - DOCUME	NT SET 4-2	

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Date	BJ M	м.	Description	Rate M	Bale	Talts_	Emp Cost	Equ Casi	Met Cost	Cost Cost
Project Id -28-082 Road 54 - 0824	STROW M.	UFLS CI	ANCE-DRAINAGE,DITCH,SHO HAPEL ROAD	CLOCK						
Activity Id. 35	0 Disching									
Band District	-4									
13/30/3014	72366	1495	NAIL JAMES	3	22.43	5.00	\$112.15			
13/20/2016	72266	1068	DUMP TRUCK-2016 MACK	1.1	104.81	5.00		\$134.05		
13/38/2014	12367	3517	ALL IN KREAN	1	16.38	4.00	\$45.32			
13/28/2014	2226F	1040	BACKHOE-2011 CAT 430F	12	61.73	4.00		3346.92		
13/26/2016	72267	1000	TRAILER-2009	1.1	12.47	4.00		\$49.88		
12/28/2016	72267	1001	DUMP TRUCK 2010	1.1	47.93	4.00		\$191.72		
13/28/2016	12165	1491	NAE JAMES	2	22.43	4.00	\$89.73			
13/75/2016	71347	1048	TRIMP TRUCK - 2016 MACK	1.0	104.81	4.00		\$419.74		
Read Id . 0124	12. SAN	VALU	EV BOAD	1.1						
Autom 14 36	h faitching									
Read Director	a training									
PLOUD DESIGNATION		1010	NAMES OF TAXABLE PARTY OF	100	14.00	1.44	540.08			
12/8/2009	10257	2000	BATS DRAFT B.		10.77	2.44	- pay. 24	10104-00		
12002000	742231	2043	BACKING-2015 CAT 408F	- 25	61.0	3.00	1141.01	\$154.37		
12962000	12257	2532	BUPP WALTER D		18.38	2,30	342.90			
12/8/2016	71251	690.3	PICKUP	1.1	18.00	2.39		342.18		
120622006	32257	2512	SPREELER DAVID	- SS	16.77	2.30	341.50			
12/8/2010	73257	1009	DUMP TRUCK-2016 MACK		104.81	2.50	-	\$182.99		
12/06/2016	12157	9679	KELLET DONALD R	2	30,17	2,30	\$75.43			
13/0/2016	71257	6682	PICKUP	1.2	14,93	2.50	11111	\$37.33		
12/12/2016	72359	2131	HELL AMOS	8 C	20.27	2.50	\$30.68			
12/12/2014	73259	1943	BACKHOE-2013 CAT 430F	1.5	61.73	2.50	2022	2154.33		
12/12/2016	72259	2512	SHEELER DAVID	3	16.77	2.50	341.93	1000		
12/12/2014	73239	1009	DUMP TRUCK-2016 MACK	1	104.81	2.50		\$262.03		
12/12/2016	72259	0679	KELLEY DONALD R		30.17	2,50	\$75.43			
12/12/2016	72259	0983	PECKUP	1	14.93	2.50		\$37.33		
3/28/2017	72346	1044	ENCAVATOR-2015 CAT 3141	E E .	102.99	4.00		\$410.36		
3/28/2017	72346	1008	TRAILER-2009	1.C	12.47	8.00		\$49.88		
3/28/2017	72346	1001	DUMP TRUCK-2010	1	49.36	4.00		\$192.44		
3/28/2017	72346	3491	NAIL JAMES	3	22.71	4.00	\$90.84			
3/28/2017	72346	1064	DUMP TRUCK-2016 MACK	1	204.81	4,00		\$419,24		
3/30/2017	72348	1334	KUHN RICHARD A	3	27.96	2.50	\$49.75			
3/90(2017	72348	1055	PICKUP-2012 FORD F150	1.1	18.86	2.50		\$47.15		
3/30/2017	72348	2537	ALLEN JORDAN	3	16.54	2:50	\$41.36			
3/50/2017	72548	1040	BACKHOE-2015 CAT 430F	1.1	61.73	2.90		\$154.33		
3/90/2017	22348	2512	SREELER DAVID	3	16.92	2.50	\$42.30			
3/30/2017	72348	1072	TRUCK-2011 FORD F550	1	34.57	2.50		\$61.43		
3/30/2917	72.948	1000	TRAILER-2909	1	12.45	2.50		\$31.18		
3/30/2017	72548	1000	DOMPTRUCK-2010	1	49.16	2.56		\$123.40		
3/30/2017	12348	1490	NAE JAMES	3	22.76	2.50	\$36.78			
Hand \$4 - 0924	HALL SARE	IS BOA	D	6.0						
Activity 14, 36	6 Ditching		-							
Read District										
5/75/56/7	77341	0479	KRUPY DOMALD R		30.45	10.00	\$104.50			
5/05/26/2	71540	1044	ENCAVATOR, SUSCAT 1141		103 48	10.00		\$1.025.90		
The second secon	100.000	3422	ALL DR METAN		16.54	13.00	\$165.64	34,942,94		
Distances in	10,000	1041	RELEASE PRODUCTS		61.74	10.00	3100.44	6417.55		
JADDAN P	74344	10040	INVERTICAL AND CALLARY	1.1	12.13	10.00		\$134.36		
W22020017	72340	1000	TRAILER-DRY	1.1	10.07	10.00		1000.00		
SZECRET	71341	1000	LAUNE (1001.X-1010	1	44,36	10.00		\$400,00		
Model 54 - 0024	OPC SURY	ac oid								
Activity Id 39	o Distried									
Boad District	198									
2/12017	12298	1513	MORTON STEVE A	2	24.30	3.00	\$72,60			
2/1/2017	71298	1052	EXCAVATOR-WHEELED	1	148.69	3.00		3446,07		
2/5/2817	72298	1581	SALERS WILLIAM R	3	21.90	3.00	\$65.79			
2/1/2017	73298	0952	DUMP TRUCK-FLATHED	1	49.36	3.00		\$148.68		
PA	AGE 82 OF	98				ET	FOWAH COUN	TY - DOCUME	NT SET 4-2	

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Date	0234	M	Description	Bate M	Rett	Units	Kep Cost	Equ-Cost	Mat Cest Con Cest
Project 14 -28-002	180W M	UNTEN	INCE-DRAINAGE, INTCH, SHO	LIDER		- 2000-0-		- 992224-	
Read Id - 0034	150-1 SCEN	OC DR	VE						
Activity Id. 35	# Disching								
Road District	6-1	i nanan		1.12	127.02		1000		
2/1/2017	72298	1104	HEARD ERIC W		24.69	3.00	\$74.07	and the second	
2/1/2017	72298	1067	DUMP TRUCK-2014 MACK	- C.	394.81	3.00		204.0	
Road Id - 0034	ISI-: SCEN	OC BDG	RWAY						
Activity 13 35	# Disching								
Read District	1-1								
12/8/2016	72253	1196	PATTERSON WILLIAM 2		21.05	4.00	\$64.20		
12/8/2016	72297	100	BACKHOE-2015 CAT 450F		61.73	4.00		\$246.94	
12/8/2016	72251	1809	PERKINS ROCER L		21.49	4.00	\$83.96		
12/8/2016	72237	1063	DUMP TRUCK-2016 MACK		294,81	4.00	and the	3472.24	
12/8/2016	72253	1110	MCGATHA CHARLES K		23.94	4.00	\$90.76		
12/8/2016	72297	0943	PICKUP-2001 DODGE RAM		13.79	4,00		305.16	
8251362046	72268	0027	BRYANTJERETA		29.89	2.00	3145:45	and the	
12/13/2016	12260	0991	DUMP TRUCK-2008		47.19	5,00	4000.000	\$512.30	
12/13/2016	72268	2397	GRANGER BRUCE		18.70	5.00	390.50		
12/13/2016	72260	1056	DUMP TRUCK-2014 MACK		104.83	5.00		\$534.83	
12/13/2016	72268	1196	PATTERSON WILLIAM 2		21.05	5.00	\$105.25		
12/13/2016	72260	1004	TRUCK-PICE UP PLAT CREW	1.1	24.91	5.00		\$124.55	
12/13/2016	72269	2534	WINN TOMMY L		16.05	5.00	\$80.25		
12/13/2016	72268	1809	PERCINS ROGER L		21.49	5.00	\$107.45		
12/13/2816	72260	1047	BACKHOE-2015 CAT 430F	1	61.73	5.00	2.32	\$306.65	
3/96/2017	72280	1530	GUTHERY THOMAS	- B.	21.10	5.00	\$105.50	22.25	
1/10/2017	72281	1653	EXCAVATOR-WHEELED	1.0	148.69	5.00		\$743.45	
1/10/2017	72280	2903	CEPSON ADAM		19.88	5.00	\$95.40	20023	
1/10/2017	72384	1029	DUMP TRUCK-2006	K	49.36	5.00		\$246.80	
3/10/2017	72280	2528	CATTLING LITVAR	1	19.03	5.00	\$93.05		
1/10/2017	72281	1004	TRUCK-PICK UP FLAT CREW		26.78	\$,00		\$133.90	
1/15/2017	72282	4520	GUTHERY THOMAS		21.10	5.00	\$105.50		
3/16/2017	72282	1053	EXCAVATORWHEELED	E	148.69	5.00		\$743.43	
8/15/2017	72282	2523	SEARS MARQUETTE		06,54	5.00	\$82.70		
3/15/2017	72382	1629	DUMP TRUCK-2006	1	49.36	5.00		\$246.80	
3/11/2017	72282	2528	CATTLING LITVAR		29.03	5.00	\$93.85		
3/11/2017	722#2	1033	TRLCK-2008 FORD F456	1	29.08	5.00		\$145.40	
3/12/2017	72283	1330	OUTHERY THOMAS	3	21,10	4.00	\$84.40		
3/12/2017	72285	1653	EXCAVATOR-90103LED	1	148.69	4.00		3594.76	
1/12/2017	92283	2528	CATTLING LEVAR	3	29.03	5.00	\$95.05		
1/12/2017	72283	0983	PICKOP	1.5	18.86	5.00		\$94.30	
8/12/2017	72283	2523	SEARS MARQUETTE	3	16.54	5.00	\$82.70		
1/12/2017	72283	1029	DUMP TRUCK-2006	1	49.36	5.00		\$246.80	
1/17/2017	72286	1530	OUTHERY THOMAS		21,10	5.00	\$105.58		
1/17/2017	72386	1053	EXCAVATOR-WHEELED	1	348.69	5.00		\$243.45	
3/17/2017	72286	3523	SEARS MARQUETTE		16,54	5.00	582.70		
1/17/2017	72286	1029	DUMP TRUCK-2006	1	49.36	5.00		\$246.89	
1/17/2017	72286	2528	CATTLING LEVAR		19.01	5.00	\$95.65		
1/17/2017	72286	1004	TRUCK-PICK UP FLAT CREW	1	26.78	5.00		\$133.99	
3/19/2017	72288	0027	BRYANT JERRY A	3	30.20	3.00	\$90.60		
1/19/2017	72388	0997	DUMP TRUCK-2008	1	49.36	3.00		\$148.08	
1/19/2017	72288	2907	GRANGER BRUCE	3	18.84	3.00	\$56.52		
1/19/2017	72288	0981	PROMP	1	18.86	3.00		\$56.58	
1/19/2017	77288	1809	PERKINS ROCER L	1	21.76	3.00	\$65.34		
1/19/2017	72388	1065	DUMP TRUCK-2014 MACK	1	104.81	3.00		\$314.41	
1/19/2017	72388	1041	BACKHOE-2015 CAT 430F	1	41.73	3.00		\$185.19	
1/24/2017	72294	1510	OUTHERY THOMAS	1.1	21.10	5.00	\$105.50		
104/2017	77294	1053	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45	
1040012	72290	1809	PERKINS ROCER L	3	21.78	5.00	\$108.90		
1040011	27290	2128	CATTUNGLEVAR		19.01	\$.00	\$95.65		

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Dute	DJ M	. м	Description	Rate 1d	Rate	Units	Emp Cost	Equ Cost	Mat Cest	Con Con
Project 1d -28-002 Road 1d - 9924	STROW M	AINTEN/	WCE-DRAINAGE.DITCILSIIC HWAY	NUMBER						
Activity M 35	0 Ditching									
Read District	1-2									
1/24/2017	72294	0983	PICKUP	1.	18.86	5.00		\$94.30		
3/86/2017	72311	4517	WASHINGTON ROBERT E	3	27.99	5.00	\$139.63			
2/36/2017	723111	1805	TRUCK-2007 FORD F158	1	18.84	5.00		194.30		
2/36/2017	72311	1550	GUTHERY THOMAS	3	21.00	5.00	\$105.50			
2/36/2017	72311	1853	EXCAVATORWHEELED	4	148.69	3.00		\$743.45		
2/36/2017	72311	1468	DUTTON-CLAUDE-C	3	18.56	5.00	\$52.80			
2/36/2017	22311	1064	DUMP TRUCK-3016 MACK	1	104.85	\$.00		\$524.05		
2/16/2017	72318	2528	CATTLING LEVAR	3	19.88	5.00	\$85.05			
3/36/2017	72311	3633	TRUCK-2008 FORD F458	1	29.68	5.00		\$145.40		
2/20/2017	72304	1299	FROST KANDALL C	3	30.54	9.00	\$174.86			
2/20/2017	72314	1854	PICKUP-2012 FORD F150		18.86	9.00		\$159.74		
3/39/2017	72364	1530	GUTHERY THOMAS	3	21.99	10.00	\$211.00			
2/26/2017	72314	1853	EXCAVATOR-WHEELED		148.69	10.05		\$1,486.98		
2/26/2017	72304	2515	STOWERS SHEA	3	20.62	10.08	\$206.20			
3/38/2017	72314	1064	DUMP TRUCK-2016 MACK	1	104.88	10.00		\$1,048.10		
2/26/2017	72854	2536	CARROLL MARCES	3	18.38	10.00	\$183.80			
3/39/2017	72314	1011	TRUCK-3008 FORD F458	4	29.08	10.00	2.12.22	\$290.80		
3/21/2017	72305	1530	GUTHERY THOMAS	3	21.30	5.00	\$105.50			
2/21/2017	72315	0053	EXCAVATOR-WHEELED		148.49	5.00	1000	\$743.45		
3/21/2017	72315	1068	DUTTON CLAUDE C	3	18.16	5.00	\$92.80	12.000		
3/21/2017	72315	1964	DUMP TRUCK	1.1	104 81	5.00		\$134.01		
3/31/2017	72515	3536	CAREVEL MARCES	3	18.38	5.00	\$91.90			
3/01/06/7	72315	1010	THUCK-2008 FORD FASE		29.05	5.00		\$145.40		
3/21/2007	77545	1249	INCIST RANDALL C		10.14	5.00	\$112.70			
301/20/2	22215	1054	PICKUP-2012 EORD E150		18.86	5.00	4108.14	\$94.50		
Read 14 - 0024	BL- SHE	LEVE	NE							
Activity 14, 35	6 Disching									
Read District										
11/2/2014	72729	1217	NORTON STEVE A		23.90	5.00	\$119.60			
11/2/2014	72779	1813	ENCAVATOR-WHEELED		148.09	5.00		\$743.45		
11/2/2014	72229	1144	REARD ERIC W	3	24.40	5.00	\$122.00			
11/2/2014	71729	1067	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$534.05		
11/2/2014	77129	1524	KUNN EXCHARD A		27.75	5.00	\$138.25			
11/2/2014	71336	1815	PSCKUP-2012 FORD F138	1	18.19	5.00		\$92.95		
Read 14 - 8924	DL SHIN	BONE	IIINCE ROAD							
Activity 1d .35	6 Dirhim									
Read District										
13/14/2016	12244	2526	CARROLL MARCES	1	17.85	2.50	\$44.58			
13/14/2014	72361	0008	DUMP TRUCK 2008 GMC	1	47.19	2.50	A.1.1.1.1	\$112.98		
13/14/2016	72361	1040	BACKHOE-2015 CAT 410F	1	61.73	2.50		\$154.33		
12/14/2016	72242	2528	CATTLING LEVAR	3	18.81	2.50	\$47.03	100 C		
12114/2016	72361	0101	PSCKUP	1	18.33	2.66	0.000	\$45.28		
13/14/2014	72264	2505	CIPSON ADAM	1	19.60	2.50	\$49.00	1000		
12/14/2016	72361	1679	DUMP TRUCK - DOM	1	46.35	2.50	1.000	\$115.88		
105/06/2	77290	1530	CUTHER'S THOMAS		21.10	53.00	\$211.00			
8/35/30(7	77397	1043	ENCAVATOR-WREFTUD	1	145.09	10.00		\$1.486.50		
1050000	99340	1448	ENTERING CE ALIDE C		18.56	00.00	\$185.60			
1050007	71392	1044	DEMP TRUCK -, 2006 MACK	1	104.82	00.00	2102.00	\$1.048.10		
1156/5617	73365	1118	MUTUATHA CHARLES K		28.22	10.00	\$242.20			
1050417	75.505	0081	PICKUP	1	18.84	10.00		\$188.60		
105050	99960	2514	CATTLING LEVAR		10.00	10.00	\$196.14	4046.00		
1/10/04/07	72364	1517	WASHINGTON ROBERT F		22.02	10.00	\$279 34			
1000001	71394	1004	TRUCK - NOT HOUR EINS	1	14.85	00.00	2011-200	THE OF		
1/10/04/17	99964	3474	CARRYEL MARYIN		18.76	38.00	\$183.80	4-99-99		
1/04/04/19	TYPES.	1043	ENCAVATOR - SPECIAL	1	148.49	18.00		\$1.414.53		
and the state of the	14672	1100	Property of the state of the st		1.440.000			A		

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date	DJM		Description	Rate M	Retr	Units	Keep Cost	Equ Cost	Mat Cest	Con Con
Project Id - 28-002 Boad Id - 0024	180W M	UNTEN-	INCE-DRAINAGE, DITCH, NR BDGE ROAD	RIDER						
Activity 1d 358	Ditching									
Read District	-2									
3/36/2017	72296	1458	DUTTON CLAUDE C		18.56	10.00	\$185.60			
1/30/2017	72295	1064	DEMP TRUCK-2016 MACK	1.5	104.83	10.00		\$1,948.19		
1/36/2017	72293	2128	CATTLINGLEVAR	1	19.03	08.00	\$190.10			
1/30/2017	72295	0981	PICKLP	1	12.86	08.00		\$185.60		
Road Id - 0934	98-: SIBE	RISTR	EETS							
Activity M 258	Ditching									
Read District	-1									
19312016	72226	0127	DRYANT JERRY &	2	29.89	3.00	\$89.67			
80310046	72236	0997	DUMP TRUCK-2008	1	47.19	3.00		\$141.57		
00/31/2016	72236	1042	BACKHOR-2015 CAT 410F	1	64.73	3.00		\$185.19		
8033/2016	72226	2507	ORANGER BRUCE		18,70	3.00	\$56.10			
10/31/2016	72236	0882	DUMP TRUCK-PLAT HED	1	43.36	3.00		\$130.08		
3/7/2017	22340	1517	WASHINGTON ROBERT I	1.1	22.93	2.50	\$69.83			
2/7/2017	72305	1005	TRUCK 2007 PORD F150	1.1	18.86	2.50		\$42.15		
1/7/2017	72303	0077	DRYANT STREET A	1	30.20	2.60	\$75.50			
2/7/2047	72569	0997	DEMP TRUCK-2008	1.1	49.36	2.50	410,000	\$173.40		
1/2/2047	22303	2428	CATTUNGLEVAR		100.003	2.50	\$47.53			
1/1/MAT	77380	0816	PROFESSION AND AND AND AND AND AND AND AND AND AN	1.10	14.47	2.55		216.01		
1/0/16/07	22344	1000	PERCENT POTER I	1.1	21.78	2.60	\$54.45			
1010000	10,000	1000	THE ROOT THE ACT - SOME		40.14	9.65		\$173.46		
10100917	72,960	1150	CONTRACTOR STOCKAST		21.10	7.60	817.75			
411120411	99360	1043	ENCAVED OF STREET		128.40	3.50	309.73	\$171.75		
2702947	22,960	1000	EXCATATOR WHEELED		44.09	3.55		\$154.33		
100000.0	72340	1.000	PETERS CONTRACT		10.75	-9.60	8.64, 49	11.74.35		
2715204.7	72360	1408	DUTION CLAUDE C	- 12	10.00	3.60	246.44	10000.000		
577626987	72,960	1004	CURRENT MUCK-2019 MACK		100.00	2.00	8.01.00	3000.00		
277020917	72900	23,00	CARSOLL MARLOS		10.00	2.00	\$40.35	1000		
217(2041)	72360	2001	PRINCE		18,09	2.99	1000 000	Sec.12		
2/102061	72903	2010	SPOWERS SHEA	1.0	20.67	4.50	801.33			
2/13/2017	72,000	1259	FILOST KANDALL C		30.54	3,00	3152.70	1041.745		
2/13/2917	72,908	1004	PICKUP-2012 PORD P159		18.55	5.00		304.30		
2/13/2017	12,908	00027	PRITANI JOSET A		20.20	2.00	PESTW	17140 M		
2/13/2917	72,968	0997	DUMP TRUCK-2008		49,30	2.00	4104.00	3246.00		
2/13/2017	72,208	1000	PERAINS REARIES	1.2	41.78	9.00	\$108.90	10 mar 100		
2/13/2017	12308	1029	DUMP TRUCK-2005		49.20	2.00	A	3048.00		
2/13/2017	72308	2010	STOWERS MEA		20.01	5.00	2000.00	1000 000		
2/13/2017	72,208	0817	PRAVE NULL CAR COM	- 12	44.74	3.00		6144.45		
2/13/2017	72308	1001	BACKHOE-2015 CAT 458P	1.5		2.00		3008.60		
Road Id - 0034	ANC 20170	R ROAD								
Activity 5d -358	Disching									
Road Destract	-2		CARGE LAND				100.00			
12/3/2016	72256	2326	CARGOLL MARLOS		42.83	1.50	3420.10	#100 MG		
12/3/2016	72236	0998	DUMP TRUCK-2008 CIMC		47.19	1.90	and all	310-19		
12/5/2016	77256	2585	OPSON ADAM		19,90	1.99	349,40			
12/102014	72236	1029	DUMP TRUCK-2006	- 10	46.35	1.50	-	369.31		
12/7/2014	72236	2323	SEARS MARQUETTE		06.41	1.59	306.62			
12/02016	72255	0981	PICKUP	1.5	18.31	1.99		321.41		
15/3/3014	72256	1530	GUTHERY TIKIMAS		29.95	1.50	\$31.43			
12/3/2016	72234	1053	EXCAVATOR-WIEILED	- 50 A	148.69	1.50		\$323.04		
12/3/2016	72256	1488	DUTTON CLAUDE C		18.40	1.50	\$27.60	10000		
12/3/2016	72256	1054	DUMP TRUCK-2016 MACK		104.81	1.59		3157.22		
12/3/2016	72256	2315	STOWERS SHEA	B	20.48	1.50	\$30.72			
13/1/2018	72256	1001	TRUCK-2008 FORD F450	10 C	27,92	1.59		\$41.88		
12/10916	72256	1061	BACKHOE-2013 CAT 400F	1 C	61.73	1.59	전화 영화 문	\$92.65		
12/3/2016	72256	2128	CATTLING LEVAR	3	18.81	1.59	\$28.22			
12/3/2016	72256	2134	WINN TOMMY L	3	16.05	1.58	\$24.08			

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Date	DJ M	M	Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Cost
Project 1d -28-082 Road 5d - 0025	2-TROW M	AINTEN/	INCE BRAINAGE, DITCH, SHO E	ULDER	122.20	1000	000000000		10001100	1999) 1999) 1999
Activity Id. 35	0 Ditching									
Road District	1-2									
3/8/2017	72329	2515	STOWERS SHEA	3.	20.62	1.00	\$003.10			
3/6/2017	72329	1053	ENCAVATOR-WIEIELED	1	148.69	1.00		\$743.45		
3/8/2017	12329	2565	GIPSON ADAM	3	19.88	3.00	\$99.40			
3/8/2017	72329	1064	DUMP TRUCK-2016 MACK	1.1	104.81	5.00		\$524.65		
3/8/2017	72329	2538	CATTLING LEVAR	3	19.01	5.00	\$95.05			
3/8/2017	72529	1001	TRUCK-2008 FORD F498	1.1	29.08	5.00		5143.40		
3/8/2011	72329	6077	DRYANT JERRY A		38.20	5.00	\$151.00			
Band 54 - 0025	SL: SPIN	KS DRIV	E	- 524	104.33	0.2200				
Activity 14, 35	0 Ditching		2							
Band District										
190917	72100	2015	STORERS SREA		29.42	3.00	\$41.85			
3/9/1017	21534	1015	ENCAVATOR -WHETHED	1.1	148.40	1.00		\$444.07		
30/2017	99356	-5484	CERSON ADAMS		73.88	1.00	0.50 (.4			
3450917		1044	DUMP TRUCK ONLY MACK	1.1	104.81	1.00	3475.944	\$314.43		
202012	12120	2000	CATTERN LEVAN		10.01	3.00	0.07.00	3014.43		
2002012	22320	1000	CATTLEND LETAR		20.00	3.00	201700	447.14		
3992011	76339	1007	TRUCK-2008 PORD PROF		27.00	1.00	100.00	381.24		
3/9/2017	12300	1110	MCGATHA CHAMLES K		24.55	2.00	312.00			
Head 1d - 0025	SHC SPEN	KS RUA	D							
Activity 14, 45	e Ditching									
Road District	1-4	Sec. 1			12:23	1000	and in			
10102017	32296	1337	NORTON STEVE A		34.20	3.00	\$72.60	10000		
1/13/2017	72286	1052	EXCAVATOR-WHEELED	- 8 C	148.69	3.00	1111	\$446.07		
P120811	72286	1381	SALERS WILLIAM R	9	21.90	3.00	\$65.70	Sec. 1		
1/17/2017	72286	0952	DUMPTRUCK-PLATHED		49.35	3.00	5.0xx	\$348.08		
1123812	72286	1100	HEARD ERIC W	3	24.69	3.00	\$74.07			
1/12/2017	72286	1067	DUMP TRUCK-2016 MACK	1.5	104.81	3.00		\$314.43		
Read 1d - 0025	82+ STRA	WHERE	IV HILL ROAD							
Activity 14 35	6 Ditching									
Road District	1-7									
12/12/2016	72259	-9027	BRYANT JERRY A	3	29.89	3.00	\$89.67			
12/12/2016	72239	0997	DUMP TRUCK-2008	1.1	47.89	3.09		\$141.37		
12/12/2016	72259	2107	GRANCER BRUCE	1	18.70	3.00	\$56.10			
12/12/2016	72259	1066	DUMP TRUCK-2016 MACK	1 I.	104.81	3.00		\$314.43		
12/12/2016	32259	1196	PATTERSON WELLIAM J	3	23.05	3.99	\$63.15			
13/12/2016	72239	1004	TRUCK-PICK UP FLAT CREW	(1)	24.91	3.00		\$74.73		
12/12/2016	72259	2534	WINN TOMMY'L	3	16.05	3.08	548,15			
12/12/2016	73259	1809	PERKING ROGER L	3	21.49	3.00	\$64.47			
12/12/2006	72219	1042	BACKHOE-2015 CAT 410F	1 C	61.73	3.00		\$185.19		
Hand Id - 0025	84: STVI	AS BRI	DGE ROAD							
Activity 1d -35	0 Disching									
Road District	1.4									
2/2/2017	72299	2126	CARROLL MARCUS	3	18.38	5.00	\$91.90			
2/2/2017	72299	1053	ENCAVATOR-WHEELED	12	148.60	5.00		\$743.45		
3/3/3017	32299	1468	DUITION CLAUDE C	3	18.55	5.00	\$92.80	3250		
2/2/2017	22299	1064	DUMP TRUCK-2016 MACK	- 22	104.81	3.05		\$124.05		
3/5/5617	111100	7475	SPARS MARCHITTE		36.54	5.08	582.20			
2/2/2017	07.995	depart i	PICKUP	- 22	18.85	5.05		304.30		
3/3/9917	111100	2424	CATTLINGLEWAR	1.1	18.64	1.00	995.05			
3000017	72254	11100	CONTRACT OF THE OWNER			1.00	\$104 KB			
2002017	011004	10.00	ENCASCATION MANUAL PROPERTY		1.18.10	4.00	A160.20	12142.42		
2002011	10000	100.0	NUMBER OF STREET		140.00	1.00	100 00	\$140.40		
DW0017	12304	1468	DUTION CLAUDE C	- C	18.56	1.00	354,80	- PARK 14		
2/10/2017	71304	1054	DOMPTHEOR AND MACK		104.81	5.00		\$024.00		
2/8/2017	72394	2136	CARROLL MARCUS	1	18.38	5.99	391.90			
5463013	72304	1004	TRUCK-PICK UP FLAT CREW	S	26.78	5.09		\$133.90		
2/8/2917	72304	2565	STOWERS SHEA	3	20.42	5,00	\$180.10			

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Date	DIM		Description	Rate M	Rate	Units	Emp Cest	Ege Cest.	Mat Cast	Con Cost
Project 1d - 28-002 Road 1d - 0925	-180W M/	AINTEN/	ANCE-BRAINAGE, DITCH, SHO DGE ROAD	MEDUR						
Activity Id -350	Ditching									
Road District	-2									
2/8/2017	72304	1512	WASHINGTON ROBERT E	3	27.90	5.00	\$139.63			
2/8/2017	72304	1005	THUCK-2007 FORD F156	T	18.86	5.00		\$94.30		
Read 14 - 0025	87-: SUM	TANG	AROAD							
Artibity Id. 350	Distaine									
Band District										
10/23/2016	12221	2528	HILL AMOS	1	20.27	6.00	\$81.08			
16/23/2016	72221	1043	BACKHOE-2015 CAT 430F	1	61.73	4.00	1990 -	\$346.92		
18/73/2016	72226	2512	SHEFELER DAVID		16.77	4.00	\$67.08	1.222.20		
10/23/2014	72121	1045	DUMP TRUCK _2014 MACK	1	104.81	4.00		\$419.24		
16/23/2014	72214	0679	RELEVISONALD'R	3	30.17	4.00	\$120.64			
10/22/2016	12321	0983	PICKLIP	1	14.99	8.00		\$59.72		
16/23/2014	72224	1000	TRATER-3009	1	12.42	4.00		549.88		
10/23/2014	32321	1000	DUMP TRUEX 2010	1	47.93	4.00		\$191.72		
Read 14 - 0026	85. TAB	DR CUT-	OFF							
Activity Id. 150	Disching									
Band Biowicz										
13/8/2016	111143	1006	CARROLL MARCES	2.1	17.83	1.00	111.49			
17/8/2004	12347	0008	TRIMP TRUCK NOR CART	1	47.29	1.00		\$141.57		
1 NUMPOONS	10143	3404	CEPSON ADAM	1	19.65	1.00	\$15.85			
1208/2004	10367	3.574	DUMP TRUCK NOM	- P	46.15	3.00		\$199.05		
1208/2004	10040	2528	CATTUNO LESCAR		18.81	3.00	456.47			
158/2005	10107	0081	BCK12	- 22	105 31	1.00		\$14.93		
17/8/7004	72243	2514	WIND TOMPLY I	100	16.05	1.00	548.11			
Bood 54 - 0020	I.L. TARY	ON BOA	AD .	· ·	140.403					
Activity 14, 350	führhimt									
Read District	-1									
5/35/2607	77147	1217	NURTEN STEVE A	100	34.30	5.00	\$121.00			
3/23/20/2	12142	1040	ENCAVATOR-WHEELED	1	148.68	5.00	and the	3141.45		
MOMPHONE R	19145	1144	UEARD CRY W		24.65	5.00	\$175.41			
3/23/2007	72342	1067	DOMP TRUCK DOM MACK		104.81	5.00		\$134.05		
3/75/56/7	77145	1217	NORTON STEVE A		24.26	9.00	\$212.80			
5/01/06/7	12145	1043	ENCAVATOR-WHEELED	1	148.69	9.00		\$1,338,21		
1010007	22545	1144	NEARD FRACW		74.68	10.00	\$245.90	210-221		
3/23/20/7	17145	1567	DUMP TRUCK	10	104 81	13.00		\$1.048.10		
Hand \$4 - 0050	H- TER	ILL RO	DAD	- B.						
Activity Id. 380	Distant	11.1.1. 10								
Band Bisteist										
1/30/2017	12204	1217	NORTON STEVE A	10	24.26	5.00	\$121.00			
1/10/2007	22294	1043	EXCAVATOR-WHEELED	1	148.40	5.00		\$743.45		
1/36/2017	72245	1144	HEARD ERE'W		24.69	5.00	\$123.45			
1/10/2017	12395	1067	DUMP TRUCK-2004 MACK	1	104.81	5.00		\$524.05		
1/30/2017	12245	2512	SREELER DAVID		16.93	5.00	\$84.60			
1/10/2012	77794	1069	DEMP TRUCK 2016 MACK	- 11	104.81	5.00	1000	\$524.05		
Head Id - 6026	30. THE	SHERI	DAD	 A. 		1.11				
Activity Id. 350	Ditching									
Road Bistolet	-4									
1/11/2017	12192	1217	NORTON STEVE A		24.20	1.00	\$24.20			
1/11/2007	12240	1013	EXCAVATOR-WHETLED	1	348.69	1.00		\$148.40		
1/11/2017	12182	1581	SALERS WILLIAM R	35	21.90	1.00	\$21.90			
1/11/2017	12161	0043	DOMP TRUCK _ PLATRED	1	#0.14	1.00		540.35		
1/11/2017	72292	1144	SEARD FRICW	3	36.60	1.00	\$24.69			
6/11/2017	12182	106T	DEMP TRUES	1.1	104 81	1.00		\$104.81		
1/11/2012	12142	1491	NAE, JAMES	1	22.74	1.00	\$12.71			
5/51/2012	72362	1048	DUMP TRUCK - DOM MACK	12	104.00	1.00		\$104.81		
5/8 5/26/27	12142	2422	ALLEN JORDAN		36.44	1.00	\$16.95			
the second second		-	Contraction in the second second second							

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date	D214		Description	Rate M	Retr	Units	Keep Cost	Equ Cost	Mat Cest	Cos Cos
Project ld -28-002 Read Id - 0026	180W M	AINTEN	ANCE-DRAINAGE, DETCH, SHR ROAD	HIDER						
Activity M 35	8 Ditching									
Road District	1-4									
1/11/0017	12282	1040	BACKHOE-2015 CAT 450F	1	41.73	3.60		\$61,73		
1/11/2017	72282	1000	TRAELEB-2009	1.1	12.47	1.00		\$12.47		
1/12/2017	72243	2527	ALCEN KORDAN	1	16.34	5.00	\$82.72			
1/12/2017	72283	1043	BACKHOE-2015 CAT 410F	1	41.73	5.00		\$308.45		
1/12/2017	72283	1000	TEAE 28-2009	1.5	12.47	5.00		\$62.25		
1/12/2017	72265	1001	DUMP TRUCK-2010		49.16	5.00		\$246.80		
1/12/2017	72283	1491	NAIL JAMES		22.73	5.00	\$113.55			
1/12/2017	12283	1008	DEMP TRUCK		104 81	1.00		\$534.65		
Read Id - 0036	AL TIDA	ADDE BU	ENDBOAD	1.1		1000				
Activity 54 July	a minihing									
Read District										
DATE CHILD	*****	1056	CETTINEY TRAALS		100.045	5.00	267.85			
10/01/00/06	79536	1043	EVENUET DESERT		1.00.00	3.00	300.87	8444.07		
DOCTOR DATE:	10.000	1410	PERMIT ALL ALLER		10.00	3.00	414,045	599.001		
100102010	72229	1000	DUTTON CLASSEC		10.00	3.00	303.00	41104-04		
000102000	12.029	1029	DUSP TRUCK-2005		49.30	3.00	10111-00	arrene.		
00312016	72228	2326	CARGOUL MARSING		17,83	3.00	200.49	A 44 17		
10010816	12230	0810	PICKOP		13,79	3.00		341.31		
Road 1d + 0926	384 109	CATRO	DAD							
Activity M. J.S.	B Disching									
Rand District	1.4	20325			32.77	1222	1000			
12/5/2016	72254	1530	CUTHERY THOMAS		20.95	5.00	\$104.25	1000000		
12/5/2016	72254	1853	ENCAVATOR-WHEELED	1	148.69	5.00	1000	\$743.45		
12/5/2018	72254	1468	DUTTON CLAUDE C		18.40	5.00	\$92.00	101.074		
12/5/2016	72234	1064	DOMP TRUCK-2016 MACK		204.83	5.00		\$534.05		
12/5/2016	72254	1110	MCGATISA CIEARLES K	3	23.94	5.80	\$119.70			
12/5/2016	72254	1631	TRUCK-2008 FORD F450	1	27.92	5.00		\$139.80		
12/5/2016	72254	2534	WINN TOMMY L		16.05	5.00	\$80.25			
12/7/2016	72256	2526	CARROLL MARCUS	3	17.83	1.50	\$26.75			
12/7/2016	72296	0998	DUMP TRUCK-2008 GMC	1	-47.19	1.50		\$70.79		
12/7/2016	72256	2905	CEPSON ADAM		19,60	1.50	\$29.40			
12/7/2016	72256	1629	DUMP TRUCK-2008	1	46.33	1.50		\$69.53		
12/3/2016	72256	2523	SEARS MARQUITTE		16.41	1.50	\$24.62			
12/7/2014	72256	0581	PROLUP	1.	18.33	1.50		\$32.47		
12/7/2016	72256	1530	OUTHERY THOMAS	3	20.95	1.50	\$31.43			
12/7/2016	92236	1053	EXCAVATOR-WHEELED		148.69	1.50		\$223.64		
12/7/2016	72236	1468	DUTTON CLAUDE C		18.40	1.50	\$27.60			
12/3/2016	72256	1064	DUMP TRUCK-2016 MACK	1	104.83	1.50		\$157.22		
12/3/2016	72256	2515	STOWERS SHEA	1	20.48	1.50	\$30.72			
12/7/2016	72296	1011	TRUCK-2008 FORD F450	1.	27.92	1.50		541.88		
12/3/2016	72296	1043	BACKHOE-2015 CAT 430F	1.2	41.73	1.50		\$92.68		
10/3/3016	72256	2518	CATTLINGLEVAR		18.81	1.50	\$28.22	0.7900.590		
12/3/2016	92256	2514	WINN TOMMY 1.		16.05	1.50	\$24.00			
Read Id - 0036	at. TIM	LIN GAI	PROAD			1.11				
Activity 54 36	i Ditching		0.000							
Read Richdon										
Information and Information	-		INTE ADDRESS		20.22	1.00	640.91			
INCOMPANY INCOMPANY	10000	1041	BACKING, SHIS CUT ASA		41.75	1.00	post.ex.	6101.34		
Party Party and	(Canada and Canada and	2412	STREET OF TAXABLE		16.77	3.00	655.14	1000		
00.21/2010	TRACT	1010	THE REPORT OF CALLS		10.00	3.00	33631	8314.43		
00.2112040	10234	1000	STRUCT THUR, K-2018 MAR. K.		100.03	3.00	1000.00	Postered.		
1022103916	12223	0679	BULLEY DOTALD &		20.11	3.00	3/9/31	1000		
00/27/2016	17231	0983	PRALIT PRALIT		04.00	3.00		344.79		
10/21/2616	12231	1000	18,48,08,-2009		32,47	3.00		3.57/41		
09/27/2016	12224	1001	DUMP TICUCK-2010		47.93	3.00		\$143.79		
1/25/2017	72290	2531	MAYS IIMMY R		35.54	10.00	\$151.40			
3/25/2017	72292	1040	BACKHOE-2015 CAT 430F		64.73	10.00		\$617.38		

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ETOWAH COUNTY - DOCUMENT SET 4-2

Date	DJ M		Descriptica	Rate M	Rate	Units	Emp Cost	Equ Cast	Mat Cost	Con Con
Project 1d -28-082 Road 5d - 0026	HROW M	AINTEN/	ANCE-BRAINAGE, DITCH, SHO P ROAD	ULDER	1.000	ALCO.	0.0000.000	i 1979 (1960) (1	0.000	n na hain
Activity Id. 35	Ditching									
Road District	t -4									
1/25/2017	72292	2512	SHEELER DAVID	3	16.92	18:50	\$169.30			
1/25/2817	72292	1009	DUMP TRUCK-2016 MACK	1.5	104.81	10.00		31,048.30		
Read Ed - 0026	SO-: TUR	KEY TO	WN ROAD							
Activity 1d .35	0 Disching									
Read District	- 2									
10/27/2016	32221	- 0027	DRYANT JURRY A	100	29.89	4.00	\$119.56			
16/27/2016	72221	0007	DUMP TRUCK-2008	10	47.19	-4.00		\$188.76		
10/27/2016	22221	1468	DUTTON CLAUDE C	1	18.40	4.00	\$73.60			
10/27/2016	72221	1064	DUMP TRUCK-2016 MACK	10	104.81	4.00	- 0.50	\$419.24		
16/27/2616	22223	1042	BACKHOR-3013 CAT 430F	10	63.73	4.00		\$246.92		
16/11/2016	12226	8077	DEVANT HERY A		29.89	3.00	\$89.47	000000		
10/31/2016	22216	0997	DUMP TRUCK-2008	10	47.19	3.00		\$341.37		
10/11/2006	72226	1042	BACKISHE-3013 CAT 458F	1.5	65.73	3.00		5585.79		
18/31/2016	72226	2467	GEANCER BRUCT		18.70	3.00	\$56.14			
10/31/2016	73236	0882	DUMP TRUCK-FLAT BED	1.1	43.36	3.00		\$130.08		
Boad Id - 0036	SL- TUR	KEY TO	WN GAP ROAD	2.0		0.075				
Activity 14, 30	a machine		1 10 10 10 10 10 10 10 10 10 10 10 10 10							
Road District										
1/24/2017	21294	1196	PATTERSON WELLAM 1	3	21.19	4.00	\$84.76			
LOADST.	77260	0941	PICKUP-2001 DODGE RAM		34.42	4.00		357.68		
1/24/2017	71294	2436	CARROLL MARCUS		18.58	4.00	\$73.42			
1/24/2017	01100	1042	BACKING MILLONT CHE	12.5	64.75	4.00		\$3.86.92		
Band Id - 00%	AL TIR	VER MO	INTAIN BOAD							
Activity 14, 30	6 Bitching		Contractor of Secondary							
Read District										
LONGRET	92204	0077	DRVANT NREY A	1	30.20	3.00	\$90.00			
UNKING	22564	0097	CREME TRUCK	12	49.35	1.00		5148.08		
1/30/3017	91004	1000	PERIONS RECORD		24.28	1.00	501.14	10.00.04		
1/30/2017	22264	1079	DUMP TRUE - 2006	1.	49.55	1.00		\$146.06		
1/56/5917	71294	2482	ORAMOER DRUCT		28.84	3.00	856.13			
1/56/3017	77594	0941	FICKUP-2001 DODGE RAM	- 12	14.47	3.00		\$41.26		
1/50/2017	22294	2433	SEARS MARCH STITE		36 58	1.00	549.43			
1/10/2017	27264	1041	BACKBOK, 2015 CAT 426F	- 22	43.73	3.00		10101.00		
Band Id . 00%	No. VALL	EV STR	WET COLUMN COLUMN					*****		
Activity 14, 35	0 Ditching									
Road Thatelet										
10710317	12143	2428	CATTEINGLEVAR	1	19.01	10.00	\$190.10			
1/23/2017	22542	1013	EXCAVATOR-WHELED	1	148.49	10.00		\$1.485.90		
123/3017	22343	1530	OUTSIDE Y THOMAS	- 63 -	21.10	10.00	\$211.00			
1/21/3017	72542	0941	PICKUP-2001 DODGE RAM	1.2	14.42	10.00	400000	\$144.20		
103/0917	22543	1485	GIPSON ADAM	1.1	10.68	10.00	\$158.80			
3/23/2012	72342	1064	DUMP TRUCK-2016 MACK	1.1	104.81	10.08		\$1,648,10		
3/23/3017	72345	2138	CATTEINGLEVAR		29.01	10.00	\$290.15			
1010417	22545	1053	ENCAVATOR-WHELLED	- 12	148.00	10.08		\$1,485.90		
10103047	223.61	2405	COPSION ADAM	- 19 -	19.88	10.00	\$194.85	*******		
10210817	27545	1044	DUNE TRUCK MUS MACK	- 20	104.81	10.00		\$1.048.10		
1010017	12244	1000	CUTTUERY TROBAS		79.10	10.00	101100	*******		
LODING T	09545	1031	TRUCK-MAR ICATI Sala	12	29.08	10.00	4111.00	\$2500.800		
Band Ed. , 60%	TRA MATE	123322	TRUCK PART FOR THE		20.04	10.00		3474.44		
Automatical and a second	A BOARD									
Actually 24 day	e second									
None District	-	1000	READING THE READING TO A	a		1.4.84				
016/0417	71507	1000	A ASSESSMENT OF ROMINET I		11.99	4.00	30101.02			
2016/2011	12,992	1085	TRUCK-2007 FORD F126		18,80	4.00	A130.00	810.04		
-2018-2014 P	22100	0027	CALLER TRACK	20	10.00	4.00	3120.80	8107.44		
10000017	NO. DAM	4997	PLAN INCOME	1 L	49.99	4.00		#195.48		
PA	AGE 89 OF	98				F	TOWAH COUN	TY - DOCUME	NT SET 4-2	

Date	0.0 14		Description	Hate M	Rete	Units	Keep Cost	Equ Cost	Mut Cost	Con Cost
Project Id -28-003 Road Id - 0026	-IROW MU	INTEN	INCE-DRAINAGE, DETCILSIN W CERCLE	HLDER	- 2350 C.		0.0000000		101000	
Activity M 35	Ditching									
Road District	-1									
2/6/3017	72392	2515	STOWERS SHEA	5.1	20.62	4.00	\$82.48			
2/6/2017	72362	1016	BROOM	1.5	41.05	4.00		\$564.24		
2/6/2017	92303	1809	PEREINS RICCER L	3	21.78	4.00	\$87.12			
246/2017	72302	1029	DUMP TRUCK - 2006	1.1	49.36	4.00		\$197.44		
2/6/2017	72302	2580	ORANGER BRUCE	3	15.84	4.00	\$75.36			
34/3017	22502	0981	PICKLIP	1.1	15.85	4.00		\$75.44		
246/2017	22342	2478	CATTUNGLEWAR		19.01	4.00	\$76.64	1000		
24/2017	20300	1541	BACKINGE, MILL CAT AMP	1	65 75	4.00		\$346.93		
Band Ed - dolla	RL VAR	CHN DR	INCLUDE-DELY CALL VIEW							
Andreite 14 144	A PERMIT									
Activity is and	. second									
Road District	inner i	and.	CARDING A MANUTAL	200		1.11	100.00			
12/112016	7209	2328	CORDULT MARCUS		17.00	1.04	\$20.12	1000 000		
12/10316	73238	0998	DUMP TRUCK-2008 GMC		40.59	1.99	100.00	360.0		
12/10916	72256	2585	OPSON ADAM	3	19.60	1.99	\$29,40	1000		
13/1/3816	72256	1029	DUMP TRUCK-2006		46,35	1.99		269.30		
12/3/2016	72256	2525	SEARS MARQUETTE	» .	15.41	1.50	\$24.62			
12/7/2010	72236	0981	PICICUP		18,31	1.50		\$27,47		
12/3/3216	71256	1530	GUTHERY THOMAS	3	20,95	1.50	\$31.40			
12/3/2916	72256	1053	ENCAYATOR-WHEELED	o 10 -	148.69	1.59		\$223.04		
12/1/2016	72256	1468	DUTTON CLAUDE C	2	18.40	1,58	\$27.60			
12/7/2016	73256	1064	DUMP TRUCK-2016 MACK	1.5	104.81	1.59		\$157,22		
12/12/14	72256	2515	STOWERS SHEA	3	25.48	1.59	\$30.72			
12/2/2014	72256	1001	TRUCK-2008 FORD F458	E	37.92	1.50		\$41.88		
13/10016	72256	1041	BACKINDE-2015 CAT 450F	1.2	61.73	1.59		\$92.60		
12/10216	72256	2528	CATTLING LEVAR	3	18.81	1.59	\$28.22			
12/7/2910	72256	2534	WINN TOMMY L	3	16.05	1.50	\$24.08			
1/24/3017	10294	0027	BRYANT JERRY A	3	38.20	1.08	\$151.00			
1/24/3917	22290	0997	DUMP TRUCK-2008	10 C	49.36	3.00		\$346.80		
LOADELT	73294	1041	BACKIRGE-2015 CAT 400F	12	61.73	5.00		\$308.63		
LOADUT.	122964	1448	DUTTON CLAUDE C		18.55	1.00	\$92.80	1.140		
1/DADDAT	00000	1079	DUMP TRUCK _ NO.	- 22 C	49.16	1.00		\$244.80		
LOADSHAT.	222364	2502	OR ANALASS BRANCH		18.84	3.08	\$94.70			
LOADALT	23264	4817	PROVIDE A DESCRIPTION	- 23	14.47	3.05		\$72.10		
10040047	25364	11.00	AUXIMUM CHARLES F		74.72	1.00	8121.10	8-19-10		
10040017	201000	1100	BRUDTING CHARLES R		14.47	1.00	BULLIN	877.10		
1/24/2917	76299	0808	PRADE	A	14.42	2.00		102.10		
Hand 13 - 0026	BHC VAU	GHNLA	NE.							
Activity 14, 359	p Distriction									
Noad District	-3				1000	1.00	10000000			
1/26/2917	72290	2536	CARROLL MARCUS	3	18,18	3.00	355,14			
1/26/2017	72293	2998	DUMP TRUCK 2908 GMC	1	49.36	3,00		3148.08		
1/26/2917	72293	2528	CATTLING LEVAB	3 C	19.01	3.00	\$37.03	1.2.12		
1/26/2917	72290	0981	PICKUP	1	18.86	3.00		\$35.58		
1/26/2017	72293	2507	GRANGER INFUCE	3	18.84	3.99	\$56.52			
1/26/2017	22293	1042	BACKHOE-2H5 CAT 430F	1 C	61.73	3.00		\$185.19		
Hoad Id - 0026	85+ YAU	GHN RO	AD.							
Activity 1d 35	b Ditching									
Road District	-4									
12/12/2016	72259	1534	KURN RICHARD A	3	27.75	8.00	\$111.00			
13/12/2016	71259	1055	PICKUP-2012 FORD F199	F	18.99	4.00		\$74,36		
13/12/26/6	122.99	1217	NORTON STEVE A	3	23.92	5.00	\$119.60			
12/12/2014	73259	1052	EXCAVATOR-WHEELED	1	148.09	5.00		\$743.45		
12/12/2016	72249	1144	REARD ERIC W	3	24.40	5.00	\$122.00			
13/12/2014	71240	0012	DUMP TRUCK-PLATINED	1	45.41	5.00		\$227.45		
13/12/20054	72749	1581	SALERS WILLIAM R	8	21.62	5.00	\$108.00			
13/13/2004	22250	3438	DUMP TRUCK - 1993	- 20	45.15	5.00		\$214.75		
10102099	102.29	- PARE	MARKE MARKEN STATE							

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Party.		20	Baserstantion	Bure 14	Wester	1	Res Cost	East Cost	Marchen	Confirm
Deltr.	10000	No.	Discription	NAME IN	R.H.H	1.810	Call Case	officing.	10000000	Contrast
Project Id - 28-002 Band Id - 0026	51300W M	GIN RO	ANCE-DRAIMAGE, DITUIDAR	HIDER						
Activity 14 35	a Ditching									
Road District	1.4									
12/14/2016	72261	2521	HEL AMOS	3	30.27	1.50	\$30.41			
12/04/2006	72260	1043	BACKHOE-2015 CAT 410F	1	61.73	1.59		\$92.60		
13/14/2006	72261	2112	SHEELER DAVID	3	06.77	1.50	\$25.16			
12/14/2016	72260	1069	DUMP TRUCK-2016 MACK	1 C	101.81	1.50		\$157,22		
12/14/2016	72261	0679	KELLEY DONALD R	3	30.17	1.50	\$45.36			
12/14/2016	72268	0983	PICKUP	1 C	84.93	1.50		\$32.40		
12/14/2016	72261	2527	ALLEN JORDAN	1	16.38	1.50	\$24.57			
12/14/2016	72268	1040	BACKHOE-2013 CAT 410F	F	64.73	1.50		\$92.65		
12/14/2016	73261	1491	NAIL JAMES	1	22.43	1.50	\$13.65			
12/14/2016	72260	1068	DEMP TRUCE-2016 MACK	1	106.81	1.50		\$157.22		
12/14/2016	72261	\$217	NORTON STEVE A	3	23.92	1.50	\$15.88			
12/14/2016	72263	1052	EXCAVATOR-WHEELED	- F	148.69	1.50		\$223.64		
12/14/2016	72260	1581	SALERS WELLIAM R	3	21.62	1.50	\$32.43			
12/9/4/2016	72260	1020	DUMP TRUCK-2003	1.1	45,55	1.59		\$67.73		
13/14/2016	72261	1144	HEARD DRIC W	0	24.48	1.59	\$36.00			
12/14/2016	72260	0952	DUMP TRUCK-FLATBED		-45.41	1.50		568.17		
12/94/2016	71261	E124	KUHN RICHARD A		22.75	8.50	\$41,63			
12/94/2006	72263	1055	PICICUP-2012 FORD F150	1.0	18.59	1.50		253.86		
17/6/5006	72269	2127	ALLEN JORDAN		16.38	2.00	\$32.76			
12/99/2016	72265	1040	BACKHOE-2013 CAT 4MP		61,73	2.00		\$223.46		
12/19(20)6	72265	1000	TRAILER-2009		12.47	2.00		\$24.94		
12/19/2016	72265	1001	DUMP TRUCK-2010		47.90	2.09		290.89		
12/19/2016	72363	1491	NAL JAMES		22,40	2.00	244.85	1000 CT		
12/19/2016	72265	1068	DUMP THUCK-2016 MACK		104.81	2.00	100.00	3209.62		
12/19/2009	72280	2521	HELL AMON		41.73	2.00	\$40.54	P122.46		
12/19/2010	72200	1943	EACADOE-2013 CAT 498P		10.72	3.00	10124	3121.49		
12/19/2009	7,6293	1000	DEDUCTRING AND	- 21	101.01	2.09	200.04	1000000		
10090000	72200	1007	NUMP TRUCK - JULY STORE	- 14	35.62	3.00	517.54	percent.		
12/10/2014	71245	1047	PROVIDENCE AND ADDRESS		148.50	2.00	401.00	\$297.18		
12/14/2010	11364	1481	CALIFOR WELLAM P	100	21.42	2.00	543.24			
12/18/2016	77565	1020	DOMP TRUCK-2003	- 22	45.15	2.00		\$90.38		
13/14/2016	22244	1145	HEARD FRID. W		28.60	2.00	548.80			
13/19/2016	22263	1067	DUMP TRUEK-2016 MACK	- 12	104.81	3.00		\$2109.62		
12/20/2016	22266	2121	HET AMOS	1	39.27	10.00	\$202.70			
13/20/2016	72266	1052	EXCAVATOR-WHEELED	1.1	148.69	10.00		\$1,486.90		
13/30/2016	71266	1581	SALERS WILLIAM R	3	21.62	10.00	\$216.20			
12/20/2016	72266	1020	DUMP TRUCK-2003	1.1	45.15	10.00		\$451.50		
(2/29/2016	72266	1144	REARD ERIC W	3	34.40	10.00	\$244.00			
12/20/2616	72266	1067	DUMP TRUCK-2016 MACK	1.	104.81	10.00		\$1,048.10		
13/20/2016	72266	1124	KURN BICHARD A	3	21.75	10.09	\$277.50			
12/20/2016	72266	1055	PICKUP-2012 FORD F159	1.1	18.59	10.09		\$185.90		
12/21/2016	73267	1124	KUHN RICHARD A	3	27.75	5.00	\$138.75			
13/28/2016	72267	1055	PICKUP-2012 FORD F159	1.5	18.59	5.00		\$82.95		
12/21/2016	72267	2521	HELLAMOS	3	20,27	10.00	\$382.76			
13/25/2016	72267	8052	EDICAVATOR-WHEELED	10 S	148,89	10.00		\$1,486.90		
13/21/2016	72267	1181	SALERS WILLIAM R	3	21.62	10.00	\$216.20			
12/31/2016	72267	1038	DUMP TRUCK-2003	1. S	45.15	10.00		\$451.50		
13/21/2016	72267	1144	REARD ERIC W	3	24.40	10.00	\$246.00			
12/25/2016	72267	1067	DUMP TRUCK 2016 MACK	- C	104.81	10.00		\$1,048.10		
Boad 84 - 6027	1034 WAL	DEN HO	LOW BOAD							
Activity Id. 35	0 Disching									
Road District	1-3									
12/5/2016	72254	2525	HILL AMOS	3	20.27	19,00	\$282.70	233537		
13/5/2016	72254	1043	BACKHOE-2815 CAT 430F	1	61.73	10.00		\$617.30		
P/	AGE 91 OF	98				E	TOWAH COUN	ITY - DOCUME	NT SET 4-2	

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bar Disk Disk <thdisk< th=""> Disk Disk D</thdisk<>	222267	12363	135		124586	12.22		02012030	Stations.	17221214	120020						
Prejoral J. 3480_ERGYM_MARVITENANCE_DBARNAGE_RETCUINDLIBUR Annelly II. 345 Not.2649 Name (Developed Section 2014) Name (Developed Section 2014) Name (Developed Section 2014) Name (Developed Section 2014) 125/2016 7254 100 TRAILSR-2000 1 2.47 16.00 507.9 125/2016 7254 100 TRAILSR-2000 1 57.7 16.00 507.9 125/2016 7254 100 TRAILSR-2010 1 57.7 16.00 507.9 125/2016 7254 100 TRAILSR-2016 1 1 67.7 1 50.0 507.9 125/2016 7254 100 TRAILSR-2016 1 1 67.7 1 50.0 507.9 125/2016 7254 000 TRAILSR-2016 1 1 67.7 1 50.0 507.9 125/2016 7254 000 TRAILSR-2016 1 1 67.7 1 50.0 507.9 125/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 507.9 126/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 507.1 126/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 507.1 126/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 507.1 126/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 507.1 126/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 507.1 126/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 507.1 126/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 507.1 126/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 507.1 126/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 508.6 127/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 508.6 127/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 508.6 127/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 508.6 127/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 508.6 127/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 508.6 127/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 508.6 127/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 508.6 127/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 508.6 127/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 508.6 127/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 508.6 127/2016 7255 100 TRAILSR-2016 1 1 67.7 1 50.0 508.6 127/2016 7255 100 TRAILSR-2016 1 1 67.0 1 50.0 508.6 127/2016 7250 100 TRAILSR-2016 1 1 67.0 1 50.0 50.0 127/2016 7250 100 TRAILSR-2016 1 1 67.0 1 50.0 50.0 127/2016 7250 100 TR	Date	BJ M	50	Description	Rate M	Retr	Units	East Cost	Eqs Cost	Mai Cost	Con Con						
Abad Basing Bad Basing Six 4.20 1 List 21 Bit 22 List 22 Bit 22-4 Bit 22-4 Bit 22-4 Bit 22-4 Bit 22-4 List 22-5 Sit 22-5 Bit 22-4 Bit 22-4 Bit 22-4 Bit 22-4 List 22-5 Sit 22-5 Bit 22-5	Project Id -28-002 Read Id - 0027	13 WAL	AINTEN DEN HO	INCE-DRAINAGE, DITCH, SHO XLOW ROAD	CLDER												
Identified Tables - Solve - 1 12.4.2.1 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 1.0.2.4.7 <th 1.0.2.<="" colspan="6" td=""><td>Activity M -350</td><td>Ditching</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th>	<td>Activity M -350</td> <td>Ditching</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						Activity M -350	Ditching									
13/0316 7224 100 TALAR-300 1 1.2.47 100 \$151.429 12/0316 7224 100 DIAP TRICK-3016 1 16.87 100 \$167.33 12/0316 7224 100 DIAP TRICK-3016 1 16.81 100 \$22.43.19 12/0316 7224 100 DIAP TRICK-3016 1 16.00 \$21.433 12/0316 7224 100 DIAP TRICK-3016 1 16.00 \$24.433 12/0316 72254 100 PCCUP 1 14.03 3.00 \$24.93 12/0316 72255 101 BACKION-SOLES (CAT HAFF 1 14.13 3.00 \$24.13 12/0316 72255 101 BACKION-SOLES (CAT HAFF 1 14.13 3.00 \$24.17 12/0316 72255 100 DIAM PINDCK-3016 MAACK 1 14.13 3.00 \$24.17 12/0316 72255 100 DIAM PINDCK-3016 MAACK 1 14.13 3.00 \$24.1	Road District	-3															
123/2016 7224 1010 DIMPTRICK-3010 1 7.93 10.00 5167.79 125/2016 7224 126 REBLER BAND 0 12.94.91 12.94.91 125/2016 7224 1980 DIMPTRICK-3016 MACK 1 104.81 18.00 52.94.91 125/2016 7224 1980 PCKUP 1 14.01 14.00 52.01.70 125/2016 7224 1980 PCKUP 1 14.01 14.00 52.01.70 125/2016 7224 1980 PCKUP 1 14.03 14.00 52.01.70 126/2016 7225 2010 BLACKROCK-2016 MACK 1 10.421 30 53.1.14 126/2016 7225 100 DOMPTRUCK-2016 MACK 1 10.421 30 53.1.4 126/2016 7225 100 DOMPTRUCK-2016 MACK 1 10.1.5 114.4 126/2016 7225 100 DAMCHER-2016 1.0.2.7 1.0.0 514.4.5	13/5/2916	72254	1000	TRALLER-2009	- 4.S	12.47	16.00		\$524.79								
1242016 7224 1242 SERLIZER DAVID 1 16.77 16.00 512.961.39 1250216 72254 1981 NALL ANDIS 1 124.01 16.00 512.961.39 1250216 72254 1985 DAWT PULKS-2016 MACK 1 16.00 51.981.39 1250216 72254 1987 MELLEY DORALD R 1 30.17 16.00 51.981.39 1260216 72254 1987 MELLEY DORALD R 1 30.27 3.00 5648.39 1260216 72255 1983 MECKIP 1 16.77 3.00 5548.19 1260216 72255 1989 MENAT 1 164.81 160.0 544.79 1260216 72255 1989 MENAT 1 164.81 3.00 564.79 1260216 72255 1980 TEALEP-3099 1 1.43.9 3.00 597.14 1260216 72255 1980 TEALEP-3099 1 4.59 3.00 598.	12/5/2016	72254	1001	DUMPTRISCK-2010	- E.	47.93	18.00		\$476.30								
120/2016 7224 1000 DELTATION TRUCK-2016 MACK 1 10.6121 10.00 1224.30 125/2016 7224 1000 DELTATION TRUCK-2016 MACK 1 10.618 10.00 124.30 125/2016 7224 1000 DELTATION TRUCK-2016 MACK 1 10.618 10.00 124.11 125/2016 7225 1003 BACK 1 10.77 3.00 500.13 126/2016 72255 1003 BACKHOR-2015 CAT 1 10.77 3.00 501.14 126/2016 72255 1000 DOMPTICK-2016 MACK 1 10.618 3.00 501.14 126/2016 72255 1000 DOMPTICK-2016 MACK 1 10.618 3.00 501.14 126/2016 72255 1000 DOMPTICK-2016 MACK 1 10.618 3.00 501.43 126/2016 72255 1000 DEMETRUCK-2016 MACK 1 10.13 501.13 126/2016 72256 1000 DEMATTRUCK-2016 MACK <	12/5/2010	72254	2512	SHEELER DAVID	3	16.77	18.00	\$167.70									
124/2016 7224 1641 1640 5240 1640 5241 125/2016 72254 1697 KELLYY DONALD R 1 1640 501.7e 125/2016 72254 1697 KELLYY DONALD R 1 1640 500.7e 125/2016 72255 221 HELLAMOS 1 26.7 3.00 504.3 126/2016 72255 221 HELLAMOS 1 46.77 3.00 504.3 126/2016 72255 989 KELLY DONALD R 1 164.71 3.00 504.4 126/2016 72255 989 KELLY DONALD R 1 164.8 3.00 504.79 126/2016 72255 980 TKALER-309 1 1.43.9 3.00 501.35 126/2016 72256 983 TKALER-309 1 4.63.9 3.00 501.35 126/2016 7225 980 TKALFAND 3.00 501.35 127/2016 72256 912 TKALAND	13/5/3816	72254	1049	DUMP TRUCK-2016 MACK	1 I I	104.81	18.00		\$1,048.10								
125/2016 72254 BRB DUMP TRUCK-3416 MACK 1 104.81 1000 S101.75 125/2016 72256 9803 PECRUP 1 34.93 18.00 5301.75 126/2016 72255 1261 PECRUP 1 34.93 18.00 5301.75 126/2016 72255 1201 PECRUP 1 34.93 18.00 5311.43 126/2016 72255 1201 PECRUP 1 14.77 3.00 5314.43 126/2016 72255 1000 DIM PECRUCK-3016 MACK 1 10.481 3.00 541.77 126/2016 72255 1000 DIM PECRUCK-3016 CAT 4309 1 13.49 5301.79 5161.79 126/2016 72255 1000 DIM PECRUCK-3016 CAT 4309 1 64.27 5.00 5314.61 126/2016 72256 1000 DIM PECRUCK-3016 CAT 4309 1 64.27 5.00 5314.61 126/2016 72256 1000 DIM PECRUCK-3016 CAT 4309	13/5/2916	72254	1491	NAIL JAMES	¥	32.43	10.00	\$234.30									
125/2016 2225 0679 PCCUP 1 30.17 Head Status 125/2016 72255 2521 HELLANCS 1 26.27 3.00 50.01.76 126/2016 72255 2521 HELLENCS 1 26.27 3.00 50.01 126/2016 72255 2101 SHELLEN KOND 1 46.77 3.00 50.01 126/2016 72255 1000 DUMPTITUCK2016 MACK 1 104.81 3.00 50.01 126/2016 72255 1000 TRALER2009 1 14.97 3.00 54.47 126/2016 72255 1000 TRALER2009 1 47.95 3.00 5304.59 127/2016 72255 1001 TRALER2009 1 47.95 3.00 5304.65 127/2016 72256 1001 TRALER-2006 1 47.95 3.00 5324.05 127/2016 72256 1000 DUMPTITUCK3016 MACK 1 10.41 5.00<	12/5/2916	72254	1048	DUMP TRUCK-2016 MACK	1 C	104.81	18:00		\$1,048.18								
125/2016 7225 908 PECKUP 1 44.00 86.00 SUM 125/2016 72255 1141 AMOS 1 64.73 3.00 SUBLIP 126/2016 72255 1040 BACKHOR-2015 CAT 418F 1 64.73 3.00 SUBLIP 126/2016 72255 1040 DUMPTINCK-2016 MACK 1 164.81 3.00 SUL43 126/2016 72255 1040 DUMPTINCK-2016 MACK 1 164.81 3.00 SUL43 126/2016 72255 1040 DUMPTINCK-2016 MACK 1 164.81 3.00 SUL43 126/2016 72255 1040 DUMPTINCK-2016 MACK 1 164.81 5.00 SUL43 126/2016 72255 1040 DUMPTINCK-2016 MACK 1 164.81 5.00 SUL45 127/2016 72256 0430 DUMPTINCK-2016 MACK 1 164.81 5.00 SUL45 127/2016 72256 0430 DUMPTINCK-2016 MACK 1	13/5/3816	32254	0679	KELLEY DONALD R	1	30.17	18.00	\$101.70									
13A02916 7225 6104 BACK MODE-3015 CAT 4007 1 84.77 3.00 SHE 1.9 13A02916 72255 1040 BACK MODE-3015 CAT 4007 1 16.77 3.00 SHE 1.9 13A02916 72255 1040 DUMP TRUCK-2016 MACK 1 164.81 3.00 SPE 1.1 12A02916 72255 1040 DUMP TRUCK-2016 MACK 1 164.93 3.00 SPE 1.1 12A02916 72255 1040 DUMP TRUCK-2016 1 14.93 3.00 SPE 1.1 12A02916 72255 1040 DUMP TRUCK-2016 1 47.70 3.00 SPE 1.5 12A70316 72256 10455 BACCHOLO AT 4007 1 86.77 5.00 SPE 3.3 12A70316 72256 10490 DUMP TRUCK-3016 MACK 1 104.11 3.00 SPE 3.5 12A70316 72256 10490 DUMP TRUCK-3016 MACK 1 104.11 5.00 SPE 3.5 12A70316 72256 10490	12/5/2016	72254	0163	PICKUP	3	14.95	38.00		\$349.39								
10x02016 72235 1045 BACKHOR-3015 CAT 4HF 1 6.7.7 3.00 \$201 10x02016 72235 1949 SHELER DAVIO 1 16.7.7 3.00 \$20.11 10x02016 72235 1949 DKULLY DONALD R 1 3.01 3.00 \$20.11 10x02016 72235 1949 PKCKP 1 14.8.9 3.00 \$341.7 10x02016 72235 1940 DKCKP 1 14.7.4 3.00 \$341.79 10x02016 72235 1940 DKCKPE 1 42.73 5.00 \$101.35 10x02016 72235 1940 DKCKPCO-341.6.4 1 42.73 5.00 \$101.35 10x10216 72254 1940 DKCKPCO-341.6.4 1 43.77 5.00 \$23.85 10x10216 72254 1940 DKCKPCO-341.6.4 1 44.73 5.00 \$23.46 10x102164 72254 1940 PKCKP 1 45.70 5.00	13/6/2016	72255	2121	HELLAMOS	1	20.27	3.00	\$60.81									
LVM2016 2255 2162 SHELLAR DAVID 1 16.77 3.00 352.31 L2A02016 72255 1089 DUMP THEXEX-2016 MACK 1 104.81 3.00 590-51 L2A02016 72255 0479 KELLER-AND 1 14.93 3.00 531.71 L2A02016 72255 1040 DKAUER-AND 1 14.93 3.00 531.71 L2A02016 72255 1040 DKAUER-AND 1 14.73 3.00 531.79 L2A02016 72255 1041 DKASPEREAND 1 14.77 5.00 531.65 L2A02016 72256 1043 DKACHOLAND 1 16.77 5.00 531.65 L2A02016 72256 0490 DKMP TRUCK-361.64 MACK 1 16.47 5.00 532.405 L2A02016 72256 0499 KELLER DAVID 1 16.77 5.00 532.405 L2A02016 72256 0499 KELLER DAVID 1 16.77	12/6/3916	72255	1043	BACKHOE-3015 CAT 416F	10 C	68.73	3.00		\$183.29								
DAV2016 72253 1080 DUMP TRUCK-SIIS MACK 1 104.81 3.00 \$01.4.0 1204/2016 72253 0479 KELLEY DOMALD R 1 3.01 3.00 \$44.79 1204/2016 72253 040 PEXAP 1 14.80 3.00 \$41.79 1204/2016 72255 040 TKALLES-2009 1 17.247 3.00 \$41.87 1201/2016 72256 2121 HELL AMOD 3 3.027 5.00 \$101.33 1201/2016 72256 0435 DACKMOR-2013 CAT 408F 1 46.73 1.00 \$32.45 1201/2016 72256 1040 DAKKMOR 1 45.33 3.00 \$32.45 1201/2016 72256 1040 DAKKMOR 1 45.33 3.00 \$32.45 1201/2016 72256 0497 PEXAUP 1 45.33 3.00 \$32.45 1201/2016 72286 0497 DEMP TRUCK-3016 MACK 1 04.43 <	12/6/2016	72255	2512	SHEELER DAVID	1	16.77	3.00	\$50.31									
LNA2016 72251 9479 KELLEY DONALD R 1 34.17 3.00 \$90.38 L2A/2016 72235 0980 PEXXP 1 34.93 3.00 \$54.79 L2A/2016 72235 1080 TRALER-2N09 1 12.47 3.00 \$501.37 L2A/2016 72235 1081 DUAS PTELICX-SHIP 1 44.73 3.00 \$501.37 L2A/2016 72236 1043 DUAS PTELICX-SHIP 1 44.73 1.00 \$501.37 L2A/2016 72256 1047 DMO DUAR PTELICX-DUIS SHACK 1 64.73 1.00 \$532.457 L2A/2016 72256 0459 KULLEY DONALD R 1 3.017 5.00 \$532.457 L2A/2016 72256 0459 FULLK-OUS HACK 1 164.30 \$500 \$324.65 L2A/2016 72256 0459 FULLK-OUS HALD R 1 3.01 5.00 \$323.457 L2A/2016 72280 0402 FULLER-COUS HALD R	12/6/2010	72255	1069	DUMP TRUCK-2016 MACK	1.0	104.83	3.00		\$314.43								
124/2016 72235 9983 PEXNP 1 94.60 3.00 544.79 124/2016 72235 1000 TRALES-2009 1 12.47 3.00 501.31 124/1016 72235 1001 DUSPTPLICX-2016 1 47.03 100 501.37 127/1016 72266 2121 SIETLER DAVID 1 64.71 100 583.83 127/1016 72266 1012 SIETLER DAVID 1 64.71 100 583.83 127/1016 72266 1000 DIART PELICX-2016 SAACK 1 04.81 100 583.83 127/1016 72266 0100 PERNUP 1 14.30 100 584.65 127/1016 72260 0107 DRAVET DOMALD R 1 44.90 100 583.85 127/1016 72260 0107 DRAVET PELICX-3016 1 47.90 100 527.45 127/1016 72260 0107 DRAVET PELICX-3016 1 47.90 <t< td=""><td>12/6/2016</td><td>02254</td><td>0639</td><td>KELLEY DONALD R</td><td>3</td><td>30.17</td><td>3.00</td><td>\$90.51</td><td></td><td></td><td></td></t<>	12/6/2016	02254	0639	KELLEY DONALD R	3	30.17	3.00	\$90.51									
13A02016 72255 1000 TRALLER-2009 1 42.47 3.00 \$37.41 12A02016 72255 1011 DESRFTREXCK-25112 1 47.03 3.00 \$3101.35 12A72016 72255 1043 DACKNOC-2013 CAT 4309 1 64.73 5.00 \$50.85 12A72016 72255 1040 DUMP TRUCK-2016 MACK 1 104.51 5.00 \$50.85 12A72016 72256 1040 DUMP TRUCK-2016 MACK 1 104.51 5.00 \$524.05 12A72016 72256 0409 Kill 24Y DOMALD K 1 30.17 5.00 \$524.05 12A72016 72256 0403 PKCuP 1 14.35 5.00 \$524.05 12A72016 72260 0407 REXANT RERY A 1 29.89 5.00 \$524.05 12A752016 72260 0407 REXANT RERY A 1 29.89 5.00 \$524.05 12A752016 72260 0407 REXANT RERY A 1	12/6/2016	72235	0985	PICKUP	1.1	34,93	3.60		544.79								
134/2016 72215 104 DEMPTRUCK-S010 1 47:03 3.00 \$141.79 12/10316 72216 3101 101 30.27 5.00 5101.35 12/10316 72216 1045 DASCROC-AND 1 45.77 5.00 \$508.65 12/10316 72216 1049 BULLER DAVID 1 36.77 5.00 \$508.65 12/10316 72216 0499 BULLEY DOWALD 1 36.77 5.00 \$508.65 12/10316 72216 0499 RULLEY DOWALD 1 34.33 5.00 \$574.65 12/10316 72286 0499 RULLEY DOWALD 1 34.33 5.00 \$574.65 12/10316 72286 0497 REVANT JERKY A 1 29.89 5.00 \$549.45 12/10316 72380 1046 RUNPT TRUCK-3016 MACK 1 104.11 5.00 \$521.69 12/10316 72380 1046 RUNPT TRUCK-3016 MACK 1 104.51 5.	12/6/2010	72255	1000	TRAILER-2009		12.47	3.00		\$37.41								
12/13/14 722/6 2021 HEL AMON 0 2027 5.00 \$101.35 12/12/16 722/8 1045 DACKHOR-3015 CAT 4300 1 64.73 5.00 \$503.83 12/12/016 722/8 1040 DRMP TRUCK-3016 MACK 1 104.81 5.00 \$503.83 12/12/016 722/8 0400 DRMP TRUCK-3016 MACK 1 104.81 5.00 \$154.05 12/12/016 722/8 0400 DRMP TRUCK-3016 MACK 1 104.81 5.00 \$154.05 Read March -2 12/13/2016 722.80 0407 DRMAP TRUCK-3016 MACK 1 104.81 5.00 \$324.05 12/13/2016 722.80 0407 DRMAP TRUCK-3016 MACK 1 104.81 5.00 \$324.05 12/13/2016 722.80 1066 DRMP TRUCK-3016 MACK 1 104.81 5.00 \$324.05 12/13/2016 722.80 1066 DRMP TRUCK-3016 MACK 1 104.81 5.00 \$324.05	13/6/2016	72255	1004	DUMP TRUCK-2010	1.1	47.93	3.00		\$143.79								
12712016 72235 1045 BACKHOE-JOH CAT KIMP 1 44.73 5.00 \$50.33 12712016 72256 2102 SHEELER DAVID 1 14.77 5.00 \$53.30 12712016 72256 0409 DEMPT TRUCK-AGIS MACK 1 104.81 5.00 \$3254.05 12712016 72256 0409 PICKUP 1 14.53 5.00 \$374.65 Read Marriet -2 Board Barriet -2 Read Marriet -2 BOARD 0000 \$2250 0977 DEMPTRUCK-3008 1 47.19 5.00 \$3254.95 DATION ROLD 1 14.79 5.00 \$3254.95 DEMOND PERCEK-3008 1 47.19 5.00 \$3254.95 DATION PERCEK-3008 1 14.31 5.00 \$3254.95 DATION PERCEK-3008 1 14.31 5.00 \$324.95 DATION PERCEK-3008 1 14.31.91 5.00 \$324.95 <td>12/1016</td> <td>722.96</td> <td>2121</td> <td>HEL AMOS</td> <td>3</td> <td>39.27</td> <td>5.00</td> <td>\$101.35</td> <td></td> <td></td> <td></td>	12/1016	722.96	2121	HEL AMOS	3	39.27	5.00	\$101.35									
12/10316 7256 2102 SHEELER DAVED 1 16,77 5.00 583.85 12/10316 72256 1009 DUMP TRUCK-SUIG MACK 1 104.81 3.00 5324.05 12/10316 72256 0499 RELEY DONALD R 1 14.30 5.00 5356.83 Teach Strip Mark WALDEN BOLD Activity M 349 Decking 3 10.9 5.00 5374.63 Teach Strip Mark Strip Decking Read Decking 3 10.9 5.00 5223.99 Teach Strip Mark Strip Decking TEACH TEACH Strip Decking	12/202016	77258	1045	BACKHOE-3013 CAT 436F	1.1	68.23	5.00		\$308.65								
12713216 72256 0009 DUMP TRUCK-2016 MACK 1 104.81 5.00 5224.05 12713216 72256 0019 PICKUP 1 14.33 5.00 574.65 Read fail - 002794 i WALDEX BOAD Acteinty M-280 Pickup Read fail - 002794 i WALDEX BOAD Acteinty M-280 Pickup 12713216 72200 0027 BEVANT REREY A 1 29.89 5.00 523.59 127132166 72200 0027 DEVANT REREY A 1 29.89 5.00 523.59 127132166 72200 0027 DEVANT REREY A 1 29.89 5.00 523.59 127132166 72200 00407 DEVANT REREY A 1 18.10 500 523.59 101132166 72200 1066 DEVANT REREY A 1 31.85 1.00 503.50 1010311 72280 1066 TEVENC-2016 MACE 1 104.81 1.00 500.50	12/3/3916	71256	2512	SHEELER DAVID	3	36.77	5.00	\$83.83	12.202								
12/1016 21256 0879 KELLEY DONALD R 3 31.7 5.00 \$150.83 Bood Ld 0023941 WALDEN ROAD 1 14.93 5.00 \$74.65 Activity M 289 Discing 1 14.93 5.00 \$149.45 Activity M 289 Discing 1 29.00 5.00 \$149.45 Distance 72200 0027 DRYANT JEERY A 1 29.10 5.00 \$149.45 Distance 72200 0027 DRYANT JEERY A 1 29.10 5.00 \$149.45 Distance 72200 0067 DRWYTHUCK-3008 1 10.10 5.00 \$203.07 Distance 72200 1066 DRWYTHUCK-3008 1 10.41 5.00 \$003.23 \$124.53 Distance 72200 1066 TRUKE-PEK UP FLAT CHEW 3 15.65 5.00 \$102.53 Distance 72200 1069 TRUKE-PEK UP FLAT CHEW 3.13.45 5.0	13/10016	72216	1040	DUMP TRUCK-2016 MACK	1.1	104.81	3.00	100	\$324.05								
12/20216 72236 993 PICKUP 1 14/33 5.00 374.65 Read Id = 002794 Walders Activity Id 399 Bicking - - - - - - - Read Restrict -2 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <td>12/202016</td> <td>33256</td> <td>0679</td> <td>KELLEY DONALD B</td> <td></td> <td>30.17</td> <td>1.00</td> <td>\$150.85</td> <td></td> <td></td> <td></td>	12/202016	33256	0679	KELLEY DONALD B		30.17	1.00	\$150.85									
Based Id + 002504+ WALDEN SCIAD Activity M 289 Biblions Bood Retrict - 2 15/10.2016 72200 0027 BRYANT RERY A 1 29.09 5.00 \$149.45 12/10.2016 72200 0027 BRYANT RERY A 1 29.09 5.00 \$149.45 12/10.2016 72200 0017 GRANGER BRUCH 1 167.00 \$100 \$1235.95 12/10.2016 72200 1196 DUMP TRUCK -3008 1 167.00 \$100.81 5.00 \$205.21 12/10.2016 72300 1196 PATTERSON WELLAMJ 1 164.81 5.00 \$205.21 12/10.2016 72300 196 TRUCK-PCK UP FLAT CREW 1 34.91 5.00 \$207.45 12/10.2016 72300 1902 BACKHOE-3015 CAT 40W 1 64.73 5.00 \$207.45 12/10.2016 72200 1902 BACKHOE-3015 CAT 40W 1 64.73 5.00 \$205.45 12/10.2017 72281 1	13/20016	22258	0983	PICKUP	122	14.93	5.00		\$74.65								
Activity Id. JSI Disching Road District - J 12/10/2016 72200 0072 DRVANT AURRY A 1 28.89 5.00 \$549.45 12/10/2016 72200 0072 DRVANT AURRY A 1 28.89 5.00 \$549.45 12/10/2016 72200 2557 GRANCER HRUCH 1 18.70 5.00 \$523.85 12/10/2016 72200 1166 DRMP TRUCK - 3016 MACK 1 104.81 5.00 \$524.69 12/10/2016 72200 1166 PATTRUSK NEK UP FLAT CRUW 1 34.85 5.00 \$102.45 12/11/2016 72200 1169 PERKINS ROCER L 3 31.65 5.00 \$102.45 12/11/2016 72200 1692 BACKHOR - 2015 CAT 400F 1 41.69 5.00 \$102.45 12/11/2016 72206 1692 BACKHOR - 2015 CAT 400F 1 41.69 5.00 \$102.45 12/11/2016 72206 1692 BACKATOR - WHEELED 1 144.69 5.00	Boad Ld - 0025	04. WAL	DEN RO	IAD													
Road Batrieri - 2 Provide Status - 2 12/10/2016 72280 0022 BRVANT RERY A 1 29.89 5.00 \$549.45 12/10/2016 72280 0097 DXMPTRUCK - 3018 1 47.19 5.00 \$549.45 12/10/2016 72280 1066 DXMPTRUCK - 2018 MACK 1 104.81 5.00 \$232.05 12/10/2016 72260 1166 DXMPTRUCK - 2018 MACK 1 104.81 5.00 \$103.33 12/10/2016 72260 1166 PATTERSON WELLAN J 3 31.85 5.00 \$103.33 12/10/2016 72260 1094 TRUCK - 2018 MACK 1 34.91 5.00 \$103.33 12/10/2016 72260 1094 WINN TUMMAY L 3 34.93 5.00 \$107.45 12/10/2016 72260 1094 BACKINOC - 2015 CAT 400F 1 64.73 5.00 \$104.83 10/0/2017 72281 1030 GUTHERY THOMAS 3 19.88 5.00 \$143.43 <	Activity 14, 191	Disching.															
1211/02106 72280 0027 BRYANT JERKY A 1 28.89 5.00 5149.45 1211/2016 72280 2917 GRANDER HRUCK-3008 1 47.10 5.00 \$3231.95 1211/2016 72280 2917 GRANDER HRUCK-3008 1 48.70 1.60 \$324.07 1211/2016 72280 1966 DUMP TRUCK-3016 MACK 1 104.81 3.00 \$324.07 1211/2016 72280 1964 TRUCK-PECK UP FLAT CREW 1 34.91 5.00 \$405.35 1211/2016 72280 2514 WINN TOMMY L 3 3.685 5.00 \$406.45 1211/2016 72280 1964 TRUCK-PECK UP FLAT CREW 1 3.00 \$107.45 1211/2016 72280 1969 PERKINS ROBER 3 3.168 5.00 \$104.84 1211/2016 72280 1969 PERKINS ROBER 3 21.00 5.00 \$104.84 1211/2016 72281 1960 GUTBERY THOMAS 3 </td <td>Road Histoirt</td> <td>-1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Road Histoirt	-1															
I2152016 72280 0997 DXNP TRUCK - 3008 1 47.19 5.00 \$233.55 I2152016 72380 1066 IRUNP TRUCK - 3016 MACK 1 104.81 5.00 \$303.50 I2152016 72380 1066 IRUNP TRUCK - 3016 MACK 1 104.81 5.00 \$303.23 I2152016 72380 1066 TRUCK - PCK UP PLAT CREW 2.451 5.00 \$80.23 I2152016 72380 1069 TRUCK - PCK UP PLAT CREW 3 3.00 \$80.23 I2152016 72380 1049 PRKNN ROMELL 3 3.0.0 \$80.23 I2152016 72380 1049 PRKNN ROMELL 3 3.0.0 \$80.23 I2152016 72380 1042 BACHHOC-3015 CAT 4087 1 48.49 5.00 \$80.54 I1003017 72381 1050 GUTSINA THIOMAS 2 1.1.0 5.00 \$245.80 I1003017 72381 1050 GATELBORICK UP PLAT CREW 38.53 5.00 \$245.80 <td>12/13/2016</td> <td>92260</td> <td>4027</td> <td>DRVANT BIRRY &</td> <td>1</td> <td>29.89</td> <td>3.00</td> <td>\$149.45</td> <td></td> <td></td> <td></td>	12/13/2016	92260	4027	DRVANT BIRRY &	1	29.89	3.00	\$149.45									
121120164 12280 2917 GKANGER HRUCH 1 18.70 1.80 993.30 121120164 72260 1066 DUMP TRUCK - 2016 MACK 1 104.81 5.00 \$3254.09 121120166 72260 1066 TRUCK PICK UP FLAT CRUW 1 34.91 5.00 \$105.25 121120166 72260 1064 TRUCK PICK UP FLAT CRUW 1 34.91 5.00 \$102.35 121120166 72260 1049 PERKINS ROCER L 3 31.45 5.00 \$102.35 12112016 72260 1049 PERKINS ROCER L 3 21.40 5.00 \$107.45 12112016 72260 1049 PERKINS ROCER L 3 21.40 5.00 \$108.43 12112016 72280 1042 BACKHOE-2015 CAT 400F 1 48.50 \$109.50 \$104.43 1100017 72281 1050 GUTHERY THOMAS 3 21.40 5.00 \$245.80 1100017 72281 1023 CATTHLNG LE	12/53/2016	77268	0007	DOMP TRUCK - 2008	12	47.19	1.00		\$221.95								
1251/2016 725/8 106 DUMP TRUCK - 3016 MACK 1 104.81 5.00 525.85 12713/2016 72260 1146 PATTHESON WRLIAM / 3 21.05 5.00 \$103.25 12713/2016 72260 1049 TRUCK-PICK UP PLAT CREW 1 34.91 5.00 \$102.35 12713/2016 72260 1049 PERKINS BOOLER L 3 36.85 5.00 \$107.45 12713/2016 72260 1042 BACXINOR-2015 CAT 400F 1 40.73 5.00 \$108.45 12013/2016 72281 1050 GUTIERY TROMAS 3 21.10 5.00 \$108.45 1100/2017 72281 1050 GUTIERY TROMAS 3 148.69 5.00 \$246.80 1100/017 72281 1055 GPS/ON ADAM 3 19.88 5.00 \$245.80 1100/017 72281 1055 GPS/ON ADAM 3 19.80 5.00 \$245.80 1100/017 72281 1055 GUTHERY TROMAS </td <td>12/13/2014</td> <td>12260</td> <td>7407</td> <td>OR ANGEN BRUTT</td> <td>1</td> <td>18.70</td> <td>1.00</td> <td>203.50</td> <td>and the second</td> <td></td> <td></td>	12/13/2014	12260	7407	OR ANGEN BRUTT	1	18.70	1.00	203.50	and the second								
120102016 72280 1166 FATTURSON WILLIAM J 3 31.85 5.00 \$305.33 121102016 72280 1064 TPLCK-PCK UP FLAT CHEW 1 24.91 5.00 \$107.43 121102016 72280 2534 WINN TOMMY L 3 31.65 5.00 \$107.45 121102016 72280 1649 PERKINS ROCER L 3 31.49 5.00 \$107.45 121102016 72280 1649 PERKINS ROCER L 3 31.49 5.00 \$107.45 121102016 72280 1649 PERKINS ROCER L 3 31.49 5.00 \$108.45 11002017 72281 1650 GUTSINFY TIKIMAS 3 148.85 5.00 \$145.43 11002017 72281 1609 DIAP TRUCK-2006 1 49.36 5.00 \$145.40 11002017 72281 1609 DIAP TRUCK-2006 1 49.36 5.00 \$143.90 11002017 72281 1059 DUMP TRUCK-2006	12/12/2014	93548	1066	IN MP TRUCK - 3016 MACK	12	106.81	1.00	******	\$124.05								
ID102016 72280 1094 TRUCK-PICK UP PLAT CREW 1 34.91 5.00 \$102.31 ID112016 72280 254 WINN TOMMY L 1 36.85 5.00 \$107.45 ID112016 72280 1099 PERKINS BOORE L 3 21.49 5.00 \$107.45 ID112016 72280 1042 BACKHOE-3015 CAT 400F 1 46.73 5.00 \$108.45 ID102017 72281 103 EXCAVATOR-WHELED 1 46.69 5.00 \$104.45 ID02017 72281 103 EXCAVATOR-WHELED 1 46.69 5.00 \$245.80 ID02017 72281 103 EXCAVATOR-WHELED 1 46.69 5.00 \$245.80 ID02017 72281 1049 DRMP TRUCK-SONE 1 45.58 5.00 \$245.80 ID102017 72281 1040 TRUCK-PICK UP FLAT CREW 1 26.58 5.00 \$113.90 ID102017 72281 1040 TRUCK-PICK UP FLAT CREW	12/11/2010	72360	1196	PATTERSON WELLAM I		21.85	1.00	\$105.75									
Librarie Librarie Librarie Librarie Librarie Librarie Librarie Librarie 121162016 71250 2154 WINN TOMMY L 3 16.05 5.00 500.25 121152016 71250 1409 PERKINS ROCER L 3 31.49 5.00 500.45 12132016 71250 1442 BACKHOR-2015 CAT 430F 1 40.73 3.00 \$300.453 11003017 71281 1530 GUTHERY THOMAS 3 21.00 5.00 \$343.43 11003017 71281 103 EXCAVATOR -WHEELED 1 44.69 5.00 \$345.80 11003017 71281 258 GEPSON ADAM 3 19.88 5.00 \$346.80 11003017 71281 258 CATTENGTERVAR 3 19.85 5.00 \$313.90 11001017 72281 150 GUTHERY THOMAS 3 21.10 5.00 \$313.90 1110017 72282 1530 GUTHERY THOMAS 3 </td <td>15/03/2014</td> <td>27545</td> <td>1004</td> <td>THEFE PER UP PLAT CHEM</td> <td>2 2 -</td> <td>74.91</td> <td>1.00</td> <td></td> <td>\$124.15</td> <td></td> <td></td>	15/03/2014	27545	1004	THEFE PER UP PLAT CHEM	2 2 -	74.91	1.00		\$124.15								
101120105 72240 1019 PERKINS ROCER L 3 21.49 5.00 2007.45 121120106 72240 1042 BACKING C-2015 CAT 430F 1 61.75 5.00 \$107.45 121120106 72240 1042 BACKING C-2015 CAT 430F 1 61.75 5.00 \$107.45 11002017 72281 1050 GUTHERY THOMAS 3 21.00 5.00 \$104.85 11002017 72281 1050 EXCAVATOR-WHEELED 1 148.69 5.00 \$245.80 11002017 72281 1059 DEMP TRUCK-2006 1 49.56 5.00 \$245.80 11062017 72281 1064 TRUCK-2006 1 49.56 5.00 \$133.90 11062017 72281 1064 TRUCK-PCK UP FLAT CRUW 1 36.33 5.06 \$133.90 1110017 72282 1530 GUTHERY THOMAS 3 11.64 5.00 \$245.80 1110017 72282 1636 GUTHERY THOMAS	150120616	72560	2414	WINN TOATUNE	5 25 -	36.05	1.00	\$80.24	4114.14								
10152016 71200 1042 BACKHOE-2015 CAT 400F 1 61.05 100 \$100.05 1760917 71281 1500 GUTHERY THOMAS 3 21.0 5.00 \$105.50 1760917 71281 1003 EXCAVATOR-WHEELED 1 146.00 5.00 \$145.43 1760917 71281 1003 EXCAVATOR-WHEELED 1 148.00 5.00 \$145.43 1760917 71281 1059 DLMP TRUCK-2006 1 49.36 5.00 \$145.40 1760917 71281 1059 DLMP TRUCK-2006 1 49.36 5.00 \$145.40 1760917 71281 1064 TRUCK-2006 1 49.36 5.00 \$133.90 1710917 71281 1064 TRUCK-2006 1 26.73 5.06 \$143.43 1710917 71282 1059 GUTHERY THOMAS 2 21.10 5.09 \$143.43 1710917 71282 1059 GUTHERY THOMAS 2 10.0	120020000	71240	1900	PERCENT PROPERTY	100	71.49	4.66	4102.45									
10 110 110 100 100 100 100 100 100 1/10/2017 72281 1500 GUTHERY THOMAS 3 21.10 5.00 \$105.50 1/10/2017 72281 1003 EXCAVATOR-WHEELED 1 144.69 5.00 \$295.40 1/10/2017 72281 1059 GUTHERY THOMAS 3 18.88 5.00 \$295.40 1/10/2017 72281 1059 GUTHERY THOMAS 3 18.88 5.00 \$295.40 1/10/2017 72281 1059 GUTHERY THOMAS 3 18.01 5.00 \$245.80 1/10/2017 72281 1064 TRUCK-2006 1 26.28 5.00 \$133.90 1/11/2017 72282 1050 GUTHERY THOMAS 3 21.00 5.00 \$143.43 1/11/2017 72282 1050 GUTHERY THOMAS 3 21.00 \$195.50 1/11/2017 72282 1050 GUTHERY THOMAS 3 148.09	121222012	11548	1047	DACKING AND CAT ONE	- 23	40.75	1.00	1001.00	8308.65								
D100311 1130 0018031 1230 130 140.00 D100311 12281 1063 EXCAVATOR-WHEELED 1 146.69 1.00 \$743.45 D100311 72281 2563 GB50N ADAM 3 19.88 1.00 \$99.40 D100311 72281 1009 DLMP TRUCK-2006 1 49.36 5.00 \$245.80 D100317 72281 1004 TRUCK-2006 1 49.36 5.00 \$245.80 D100317 72281 1004 TRUCK-2006 1 49.36 5.00 \$245.80 D100317 72281 1004 TRUCK-PICK UP FLAT CREW 1 26.38 5.00 \$133.90 D110317 72282 103 GUTHIRY TROMAS 3 21.00 5.00 \$743.45 D110317 72282 105 FECAVATOR-WHEELED 1 44.09 5.00 \$743.45 D110317 72282 105 FECAVATOR-WHEELED 1 44.09 5.00 \$246.80	1013000	12200	1010	CONTRACTOR AND CALL AND	100	21.10	3.00	1101.10	Stor of								
1100111 11001 1000 100011 1000 100011 1000 100011 100011 100011 100011 1000 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 100011 <td< td=""><td>10000017</td><td>- Parista</td><td>1000</td><td>COLUMN TIMONICS</td><td>100</td><td>148.00</td><td>1.00</td><td>1000.70</td><td>1111.01</td><td></td><td></td></td<>	10000017	- Parista	1000	COLUMN TIMONICS	100	148.00	1.00	1000.70	1111.01								
17100317 72281 1029 DLMP TRUCK-2006 1 49.36 5.00 \$246.80 17162017 72281 2528 CATTELNG LEVAR 3 19.01 5.00 \$246.80 17162017 72281 1064 TRUCK-PECK UP FLAT CREW 1 36.38 5.06 \$133.90 17162017 72281 1064 TRUCK-PECK UP FLAT CREW 1 36.38 5.06 \$133.90 17162017 72282 1530 GUTHERY THOMAS 3 21.10 5.00 \$195.50 17112017 72282 1636 ESCAVATOR-WHEELID 1 148.09 5.00 \$743.43 17112017 72282 2523 SEARS MARQUETTE 3 16.54 5.00 \$246.80 17112017 72282 2523 SEARS MARQUETTE 3 16.54 5.00 \$245.80 17112017 72282 2128 CATTELNG LEVAR 3 19.01 5.00 \$246.80 1712017 72282 2128 CATTELNG LEVAR 3 19.01 5.00 \$246.80 1712017 72281 <	1100017	11060	2404	COMPANY AND	- 12	12.22	1.00	600.00	4141/44								
17103011 72281 2528 CATTLING LEVAR 1 44.89 1.00 \$85.05 17163017 72281 1664 TRUCK-PICK UP FLAT CREW 1 26.28 5.06 \$133.90 17110017 72282 1530 GUTHERY THOMAS 3 21.00 5.06 \$143.90 17110017 72282 1530 GUTHERY THOMAS 3 21.00 5.06 \$195.50 17112017 72282 1653 EXCAVATOR-WHEELED 1 148.09 5.06 \$743.43 17112017 72282 2523 SEARS MARQUETTE 3 16.54 1.00 \$82.70 17112017 72282 1629 DUMP TRUCK -2006 1 49.35 3.00 \$248.30 17112017 72282 2128 CATTLING LEVAR 3 18.01 5.00 \$345.40 17112017 72282 101 TRUCK -2006 FORD FRM 1 29.08 1.00 \$345.40 1712017 72283 1530 GUTHERY THOMAS 3 21.00 4.06 \$84.40 1712017 72283 1530	1000017	72293	2369	THE SURVEY ADVENT		25.56	4.00	200.00	#146.00								
1/160017 72281 1064 TRUCK-PICK UP FLAT CREW 1 26.23 5.06 \$133.90 1/160017 72281 1064 TRUCK-PICK UP FLAT CREW 1 26.23 5.06 \$133.90 1/160017 72282 1530 GUTHERY THOMAS 3 21.00 5.06 \$143.90 1/110017 72282 1653 EXCAVATOR - WHEELED 1 148.69 5.00 \$743.43 1/112017 72282 1653 EXCAVATOR - WHEELED 1 148.69 5.00 \$145.80 1/112017 72282 1629 DOMP TRUCK - 2006 1 49.36 5.00 \$146.80 1/112017 72282 1629 DOMP TRUCK - 2006 1 49.36 5.00 \$145.80 1/112017 72282 2128 CATYLENG LEVAR 3 19.01 5.00 \$145.40 1/112017 72282 101 TRUCK - 2008 FORD FASE 1 29.08 1.00 \$145.40 1/12017 72282 103 GUTHERY THOMAS 3 21.00 4.00 \$84.60 \$1122017 1	1/16/3011	74,000	10,79	CANTERNA	1.1	49.30	1.00	1044-04	3140.60								
Integer 72281 INN INTEGER 1 28.38 5.00 510.00 1/1.0017 72282 1530 GUTHERY THOMAS 3 21.10 5.00 \$105.50 1/1.0017 72282 1003 EXCAVATOR - WHEELED 1 148.69 5.00 \$743.43 1/1.0017 72282 2523 SEARS MARQUETTE 3 16.54 5.00 \$82.70 1/1.0017 72282 1029 DOMP TRUCK - 2006 1 49.36 5.00 \$82.70 1/1.0017 72282 1029 DOMP TRUCK - 2006 1 49.36 5.00 \$82.70 1/1.0017 72282 2128 CATYLING LEVAR 3 19.01 5.00 \$145.80 1/1.0017 72282 101 TRUCK - 2008 FORD FASE 1 29.08 1.00 \$145.40 1/120917 72281 1530 GUTHERY THOMAS 3 21.00 4.00 \$84.60 1/120917 72281 1530 GUTHERY THOMAS 3	1/16/2017	12281	2708	CATTLING LEVAR	. 22	10.00	3.00	395.00	10000								
Introduct 12282 1110 1110 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 <	1/16(017	72280	1004	TRUCK-PKK UP FLAT CIEV	S 13 -	28,28	5.00	****	3133.99								
U1U3017 72282 1053 EXCAVATOR - WHEELED 1 146.09 1.00 \$140.45 U1U3017 72282 2523 SEARS MARQUETTE 3 16.54 1.00 \$82.76 U112017 72282 1029 DUMP TRUCK - 2006 1 49.36 5.00 \$146.80 U112017 72282 2128 CATYLENG LEVAR 3 19.01 5.06 \$145.80 U112017 72282 101 TRUCK - 2008 FORD FANE 1 29.08 5.06 \$145.80 U112017 72282 101 TRUCK - 2008 FORD FANE 1 29.08 5.06 \$145.80 U12017 72282 101 TRUCK - 2008 FORD FANE 1 29.08 5.06 \$145.40 U12017 72283 1530 GUTHERY THOMAS 3 21.00 4.06 \$84.40 \$102.0017 U122017 72280 1035 EUCAVATOR - WHEELED 1 146.69 4.00 \$294.76 U122017 72280 2138 CATTLENG LEVAR 3 19.01 5.06 \$145.90 U122017	1110013	72282	11.90	GUTHERT THOMAS	1.1	21.50	2.00	\$195.50	#745.44								
1/11/2017 7/2282 2525 SEARS MARQUETTE 3 16.54 1.00 \$42.70 1/11/2017 7/2282 1029 DUMP TRUCK-2006 1 49.36 1.00 \$246.80 1/11/2017 7/2282 2128 CATYLING LEVAR 3 19.01 5.00 \$246.80 1/11/2017 7/2282 1001 TRUCK-2008 PORD F458 1 29.08 5.00 \$145.40 1/12/2017 7/2281 1530 GUTHERY THOMAS 3 21.10 4.00 \$84.40 1/12/2017 7/2280 1635 EUCAVATOR-WHEELED 1 146.69 4.00 \$294.76 1/12/2017 7/2280 2138 CATYLING LEVAR 3 19.01 5.06 \$294.76 1/12/2017 7/2280 2138 CATYLING LEVAR 3 19.01 5.06 \$294.76 1/12/2017 7/2280 2138 CATYLING LEVAR 3 19.01 5.06 \$294.76	FUT DOM 4	73263	100.5	ESCAVATOR-WHEELED		148.09	3.09	6 M 1 M 1	2140.40								
1/11/3017 7/2282 1029 DOMP TROCK-2006 1 49/36 5.00 \$146.80 1/11/3017 72282 2128 CATYLING LEVAR 3 19.01 5.00 \$95.03 1/11/3017 72282 1001 TRUCK-2006 FORD F458 1 29.08 5.00 \$145.80 1/12/3017 72283 1530 GUTHERY TROMAS 3 21.10 4.00 \$84.40 1/12/3017 72280 1035 EXCAVATOR-WHEELED 1 146.89 4.00 \$84.40 1/12/3017 72280 1035 EXCAVATOR-WHEELED 1 146.89 4.00 \$99.76 1/12/3017 72280 2138 CATTLING LEVAR 3 19.01 5.06 \$99.03	1/11/2017	72283	2525	SEARS MARQUETTE		16.54	3.00	382.70									
1/1 (3)(17 72382 2338 CATTLING LEVAR 3 1981 5.00 1/1 (2)(17 72282 H01 TRUCK-2008 FORD FASE 1 29.08 5.00 \$545.40 1/1 (2)(17 72283 1530 GUTHERY THOMAS 3 21.10 4.00 \$545.40 1/1 (2)(17 72283 1530 GUTHERY THOMAS 3 21.10 4.00 \$545.40 1/1 (2)(17 72283 1035 EXCAVATOR-WHEELED 1 148.69 4.00 \$594.76 1/1 (2)(17 72283 2138 CATTLING LEVAR 3 19.01 5.06 \$594.76 1/1 (2)(17 72283 2138 CATTLING LEVAR 3 19.01 5.06 \$59.01	1/11/0817	72282	1029	DUMP TRUCK-2006		49.36	3.09		\$146.80								
UT12017 72282 H011 TRUCK-2008 FORD FASE 1 29.08 5.00 \$345.40 1/12/2017 72283 E530 GUTHERY THOMAS 3 21.10 4.00 \$84.40 1/12/2017 72283 E530 E532 EXCAVATOR-WHEELED 1 E48.69 4.00 \$594.76 1/12/2017 72283 2138 CATTLING LEVAR 3 19.01 5.06 \$95.00	1/11/2017	72282	2528	CATTLING LEVAR		18.01	3.00	\$95.05	in the second								
1/12/2017 7/2280 1530 GUTHERY THOMAS 3 31.00 4.00 \$84.40 1/12/2017 7/2280 1003 EXCAVATOR-WHEELED 1 148.69 4.00 \$594.76 1/12/2017 7/2280 2538 CATTLING LEVAR 3 19.01 5.06 \$85.01	D112017	72282	901	TRUCK-2008 PORD FRM	- C	29.08	3.00	100 L	\$145.40								
1/12/2817 72280 1053 EDICAVATOR-WHEELED 1 148.69 4.00 \$594.76 1/12/2817 72280 2138 CATTLING LEVAR 3 19.01 5.06 \$85.01	1/12/2017	72283	1530	GUTHERY TIKIMAS	3	21.90	4.00	\$84.40	in the second								
1/12/2017 72283 2138 CATTLING LEVAR 3 19-01 5.06 \$95.01	112/0813	73280	1053	EXCAVATOR-WHEELED	1	148.09	4.00		\$194.76								
10 YO 10 10 10 10 10 10 10 10 10 10 10 10 10	1/12/2017	72283	2538	CATTLING LEVAR	3	19:00	3.99	\$95.01									
1120H1 7200 0H1 PEACE 1 16H 54P 5PC	1/12/2011	72283	0981	PERCEP	1	18.56	5.00		\$94.30								
1/12/0817 72280 2523 SEARS MARQUETTE 3 16:54 5:00 \$82.70	1/12/08/7	72280	2525	SEARS MARQUETTE	3	16.54	5.00	\$82.70									
1/12(2817 7228) H029 DUMPTBUCK-2006 1 49.36 5.00 \$245.80	1/12/2817	73280	1029	DUMP TRUCK-2006	1	49.36	5.00		\$246.80								
Rand Ed = 902723-(WARD ROAD	Houd Ed - 9027	23-1 WAR	ID ROAL	9													

Activity 14 350 Ditching

Read District -2

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Date	DJ M	M	Description	Rate Id	Rate	Units	Taip Cost	Equ Cost	Mut Cost	Con Con
Project 34 - 28-882 Boad 8d - 6627	23-: WAR	AINTEN/	ANCE-DRAINAGE,DITCH,SHO D	RIDER						
Activity 1d 350	Ditching									
Boad District	-2									
3/3/2017	72328	1517	WASHINGTON ROBERT E	3	27.95	10.00	\$279.30			
3/7/2017	72328	1005	TRUCK-2007 FORD F150	1.1	18.86	10.00		\$188.60		
3/3/2017	12328	2515	STOWERS SHEA	3	28.62	10.00	\$396.20			
3/3/2017	22328	1055	EXCAVATOR-WHEELED	1	148.49	10.00		\$1,486.50		
3/7/2917	72328	2528	CATTLING LEVAN	3	19.01	10.00	\$190.10			
3/3/2017	72328	1034	TRUCK-2008 FORD F458	1.	29.06	10.00	0.000	\$290.88		
3/3/2017	22128	2505	GESON ADAM	2	19.88	10.00	\$198.80	1. Mar 1977		
3/3/3917	72128	1044	DUMP THIS K-2016 MACK		104.81	10.00	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	\$1,548,39		
Band 14 - 0027	30. WAT	ER TOT	TREAD	155		0.755				
Activity 14 .340	Distant		/							
Hand District										
LOLDER PROFILE	15104	1212	MORTON STINE &		74.20	4.00	\$24.80			
1/51/5847	11204	inter.	ENERGY AND A DESCRIPTION		148.00	4.00		\$194.76		
100 CONTRACT	PARTS .	1144	LOCALITY DESCRIPTION	100	24.00	4.00	858 14	4004.00		
10112017	712290	11144	HEADD EAD, W	10	104.000	1.00	376.76	Service of the		
1010017	71299	108.7	DUMP TROCK-2016 NOVCK		104.91	4.00	1000 B.B.	Para 24		
1012017	72396	2542	SHEELER DAVID		19.32	4.00	201.08	P.110 7.4		
1012013	71296	1000	DUMP TRUCK-GETS MACK		DOI: NT	4,00		2410.74		
3/21/2017	72340	1217	NORTON STEVE A	2	24.20	10.00	3242.00	and and and		
3/21/0817	72340	0092	ENCAVATOR-WHEELED		148.69	10.00	1.2.2.2.5	\$1,486.99		
3/21/2017	72340	1144	HEARD ERIC W	¥	34.69	10.00	\$246.90			
3/21/2917	72340	1067	DUMP TRUCK-2016 MACK	- B. C.	104.81	10.00		\$1,048.10		
Head Ed - 0027	42-: WES	SONGA	PROAD							
Activity M 350	0 Ditching									
Road District	-3									
3/36/2017	72348	1324	KURN RICHARD A	3	27.90	1.50	\$69.75			
3/36/3817	72348	1015	PICIOUP-2012 FORD F150		18.55	3.50		\$47.15		
3/30/2017	72348	2527	ALLEN JORDAN	3	16.54	3.50	\$41.36			
3/30/2017	72348	1045	BACKHOE-2015 CAT 450F	- 107 -	61.75	2.59		\$154.30		
3/36/2017	72348	2512	SHEELER DAVID	3	16.92	2.50	\$42.30			
3/30/2947	72348	1072	TRUCK-2011 FORD F558	1.1	24.57	2.50		561.43		
3/30/2017	72348	1000	TRAILER-2909	1.1	12.47	2.99		\$31.18		
3/36/2017	72548	1001	DUMP TRUCK-1616	1	49.36	2.50		\$123,48		
3302917	72348	1491	NAIL JAMES	3	22.71	2.58	\$56.78			
Head Id - 0027	43-; WES	SONLA	KE ROAD							
Activity 14 350	0 Ditching									
Road District	-4									
3/28/2917	72346	1225	POSEY JAMES D	3	24.11	4.00	\$56.44			
3/28/2017	72346	1040	BACKHOE-2015 CAT 430F	1	61.73	4.00		\$246.92		
5/28/201T	72346	2512	SHEELER DAVID	3	16.92	4.00	\$67.68			
3/28/2017	72346	1049	DUMP TRUCK 2016 MACK	1	104.81	4.00	1211/201	\$419.24		
Hand Id - 0027	54-: WHE	SENANT	ROAD					-0.00103.0		
Activity 14, 350	1 Disching		600 C. 10							
Band District										
110/2016	12342	2411	MANY PARATY P		16,79	2.40	543.08			
12002010	00000	1040	DACKING, MALCAT AND	100	61.75	2.46	440.00	1114111		
12/0/2010	20102	2022	LINE WALKERS D		10.70	2.40	1041.04	11.00.00		
12/9/2010	32257	45.54	HOTE WALLER D		10.00	2.00	940.35	B45.10		
12/02/01/0	72257	000.0	FRAME PROPERTY	- 23	16.07	3.40	#1470 MA	. 945.16		
12/6/2016	72397	2202	SHEELER DAVID		10.77	2.20	341.30	10000		
17/8/2016	74257	1000	DAIMP TRUCK -2016 MACK		104.81	2.30	And in	\$482.00		
13/8/2016	32257	0679	KILLEY DONALD R		30.17	2.30	\$12.0			
12/8/2016	72257	0983	PRECUP		14.93	2.56		\$37.33		
Boad Ed - 0027	#34 Mill	HES CH	APEL ROAD							
Arthity M 350	0 Ditching									
Road District	4	10.22	400 N.	121	100	6000	600 St. 1			
10/01/2006	12226	1530	GUTHERY THOMAS	3	20.95	3.00	\$42.85			
PA	GE 93 OF	98				E	TOWAH COUN	TY - DOCUME	NT SET 4-2	

Date	0.0 14	14	Description	Rate M	Rett	Units	Emp Cost	Eqn Cost	Mat Cost	Con Con
Project 1d -28-002 Boad Ed - 0027	180W M	MINTEN TES CIL	INCE-DRAINAGE, DIFCUSIN APEL ROAD	ULDER						
Activity M 350	Ditching									
Road District	-2									
39/31/2006	72226	1053	EXCAVATOR-WHEELED		148.69	3.00		\$446.07		
10/91/2016	72226	1468	DUTTON CLAUDE C	1	18.40	3.00	\$55.20			
10/31/2016	72226	1029	DUMP TRUCK 2006	1.1	46.35	3.00		\$139.05		
30/91/2006	72226	2536	CARROLL MARCUS	3	17.83	3.00	\$53.49			
10/31/2016	72228	0816	PICKUP	- ES	13.29	3.60		\$41.37		
Hand Ed - 0027	63-: WIII	TESBOR	IO ROAD							
Activity \$2,250	Disching									
Road District	-3									
3/21/2017	72340	0679	KELLEY DOMALD R	3	30.45	2.00	\$60.90			
3/21/3017	72340	9983	PICKUP	8.00	15.41	2.00		\$30.82		
30210917	72340	2577	ALLEN RORDAN	3	36,54	2.00	\$53.09	173617		
3/21/2017	72348	1013	BACKHOE-2013 CAT 400F	- E.C.	66.73	2.00		\$121.46		
3/21/2017	72340	2531	MAYS IMMY R	3	35.54	2.00	\$33.08			
3/21/2917	72340	1028	DUMP TRUCK-2005 FORD	1	39.15	2.60		\$78.30		
3/21/2017	72340	1491	NAIL JAMES	3	22.71	2.00	\$45.42			
3/21/2017	72348	1068	DUMP TRUCK-2016 MACK	- U.	104.82	2.00		\$399.67		
5/21/2917	72340	1000	TRAILER-2009	1.5	12.47	3.00		\$24.94		
3/21/2017	72348	1004	DUMP TRUCK-2010	E	49.36	2.00		\$98.72		
3/21/2017	72340	2512	SHEELER DAVID	3	18.92	2.00	\$33.84			
Road Ed - 9025	664 WEI	THORT	H DR							
Activity 14 - 350	P Ditching									
Road District	1.4									
3/21/2917	72343	9027	BRYANT JERRY A	3	38.20	5.00	\$151.00			
3/27/2017	72345	0997	DUMP TRUCK-2008	- E.	49.36	1.00		\$346.88		
3/21/2017	72348	1041	BACKHOE-2013 CAT 430F	1.	61.75	1.00		\$3438.65		
3/27/2817	72345	1809	PEREINS ROGER L	3	29,78	5.00	\$108.90			
3/21/2017	72945	1065	DUMP TRUCK 2016 MACK	- E.C.	104.81	: 1.00		\$124.05		
3423(2017	72345	2507	GRANCER BRUCE	3	18.84	5.09	\$94.20			
3/27/2817	72343	0882	DUMP TROCK-FLAT BED	(1)	49.36	1.00		\$246,80		
Road Ed - 0023	58-1 WER	RTONI	IEND ROAD							
Activity M 350	t Ditching									
Road District	-6									
2/22/2917	72316	1517	WASHINGTON ROBERT E	3	27.99	3.00	\$139.63	0231255		
2020947	72316	1005	TRUCK-2007 FORD F130	1. C	18.86	5.09	2,222,23	\$94.30		
2/22/2017	72316	1530	GUTHERY THOMAS	3	21.10	5.00	\$165.50	and the second		
2/23/3007	72316	1003	EXCAVATOR-WHEELED	1. C	148.09	1.00		\$143.45		
2/23/2917	72316	1488	DUTTON CLAUDE C	3	18.56	5.00	\$92,80	and the second second		
2/22/2017	72346	1064	DUMP TRUCK-2016 MACK	1.5	104.81	5.00		\$324.03		
2/23/2817	123.16	2128	CATTLING LEYAR	3	18:00	5.09	\$95.03			
2/22/2017	72346	100.0	THUCK-2008 FORD F458	1	29.08	5.00		\$145.40		
Road 5d - 0027	74-: WIL	LETTIN	DAD							
Activity Id. 350	Districting									
Road District	-3.	1000	1-11020-2	20	1.20					
12/12/2016	122.99	2521	HELL AMOS	3	20.27	2.50	330.68	Section 1		
12/12/2016	73259	1943	BACKHOE-2015 CAT 430F		61.73	2.50	#11.0m	\$154.33		
12/12/2016	12159	2512	SHEELER DAVID	3	16.77	2.50	341.95			
12/12/2016	71259	1009	DUMP TRUCK-2016 MACK		104.81	2.50	1000	\$262.03		
12/12/2016	12199	06/79	KELLEY DONALD R	3	30.17	2.50	\$75.40			
12/12/2014	72259	0983	PERUP	10 g	14.90	2,50		\$33.33		
Bassi 8d - 0027	77< WIL	LASIS	URG BODAD							
Activity 1d 350	Disthing									
Road District	19 8 -									
2/16/2017	12341	1217	NORTON STEVE A	3	24,26	8,00	196.80			
2/16/2017	72211	1012	EXCAVATOR-WHEELED	1	145.69	4.00		\$594.78		
2/16/2007	12301	1144	HEARD ESDC W	3	24.65	4.00	398.76			
PA	GE 94 OF	98				E	TOWAH COUN	TY - DOCUME	NT SET 4-2	

									120320	
Date	0214		Description	Batte M	Retr	Units	Emp Cost	Equ Cost	Met Cost	Con Con
Project 1d - 28-002 Road Id - 0027	TROW M 774 WILL	AINTEN/ UAMSR	ENCE DRAINAGE, DIFCILSIN ERG ROAD	HIDER						
Activity M 250	Ditching									
Road District	-5									
3/16/3017	72343	8067	DUMP TRUCK-3016 MACK	1	104.81	-4.00		\$419.24		
2/26/2017	72314	\$217	NORTON STEVE A	3	24.29	5.00	\$121,00			
209/3917	72314	1052	EXCAVATOR-WHEELED	1.0	148.69	5.00		\$743.48		
2/26/3017	72314	1106	HEARD ERIC W	3.	24.69	5.00	\$123.45			
2/20/2017	72314	1067	DUMP TRUCK-2016 MACK	E	104.81	5.00		\$524.05		
2/20/2017	72314	1124	KUHN RICHARD A	3	27.90	5.00	\$139.30			
2/26/2917	72334	1055	PICKUP-2012 FORD F150	1.	18.86	\$.00.		\$94.30		
Road Id - 00280	09.; WR.8	NN RD	Contraction of California Contraction							
Activity 34 358	Dishing									
Road District	-5									
3/35/2017	72335	1217	NORTON STEVE A	3	24.29	5.00	\$121.00			
3/15/204T	72335	1052	EXCAVATOR-WHEELED	E	148.69	5.00		\$743.45		
3/15/2017	72333	1146	HEARD ERIC W	3	24.69	5.00	\$123.45			
3/15/2017	72335	1067	DUMP TELCK-2018 MACK	1.1	104.81	5.00		\$524.05		
3/16/2017	72336	1217	NORTON STEVE A	3	24.29	3.00	\$72.60			
3/16/2017	12336	1067	DUMP TRUCK-2016 MACK	1.2	104.81	3.00		\$314.43		
Read I.d - 0028	14: YAT	ES ROAL	D							
Activity 1d 258	Dishing									
Read District	.2									
12/3/2016	72256	2126	CARROLL MARCUS	5	17.83	1.50	\$26.75			
12/3/2016	72256	0998	DUMP TRUCK-3998 GMC	1.1	47.19	1.50		\$70.79		
12/3/2016	72256	2505	CEPSON ADAM	3	19.60	1.50	\$29.40			
12/2/2016	72234	1029	DUMP TRUCK-2006		46.35	1.50		\$69.11		
12/3/2014	21256	2323	SEARS MAROUFTTE		16.43	1.50	\$24.62			
12/3/2016	72256	0981	PICKUP		18.31	1.50		\$27.47		
12/3/2016	222.54	1130	GETTRERY TIKIMAS		20.95	1.50	\$31.43			
12/3/2014	72236	1053	EXCAVATOR-WHEELED	- 1	148.69	1.50		\$223.04		
12/3/2016	212.56	1458	DEUTION CLAUDE C		18.40	1.90	\$27.60			
12/3/3016	72256	1064	DEMP TRUCK-2016 MACE	1.1	104.81	1.50		\$357.22		
12/2/2016	77256	2115	STOWERS SHEA		20.48	1.50	\$30.72	20.000		
12/3/3016	72244	1001	THUCK-2008 FORD F450		27.92	1.50	5.000	541.88		
12/2/2016	72256	1041	BACKHOE-MUSICAT KHE	100	41.73	1.50		\$92.65		
12/2/2014	21246	2428	CATTLING LEVAR		18.81	1.50	\$28.22	010000		
12/2/2016	72256	2134	WINN TOMMY L	3	35.05	1.50	\$24.08			
Read 1d - 0028	DA GRA	NEW	VDR							
Activity M .350	Distant									
Road District	.1									
3/1/2017	21248	1217	NORTON STEVE A	3 -	34.39	3.00	\$72.60			
3/1/2017	72298	1057	EXCAVATOR-WIFELED	1	148.69	3.00		\$446.07		
2/3/2017	27294	1181	SAFERS WILLIAM R	3	21.90	1.00	\$65.70			
1/1/2017	72266	0952	DEMP TRUCK-FLATBED	1.1	49.56	1.00		\$348.08		
3/1/2017	22294	1144	HEARD FRIC W		24.69	3.00	\$24.03			
3/1/2012	10108	1067	DEMP TRUCK -2016 MACK		104.81	3.00		\$314.43		
1/8/2017	71304	1212	ACRETUNI STEVE A	4	24.20	4.00	\$265,800			
10,0017	22304	1053	EWAVATOR-WHEELED	2.5	148.59	4.00		\$104.16		
100/10027	22204	1000	RAF HERE WELLENAME		71.00	4.00	887.65			
1000017	22304	0852	DEAD TRUCK, JUATED	1.1	49.56	4.00	241.775	\$197.44		
Tribulant I	27244	11.64	THE ARTS ERVY W		14.00	4.00	858 74	20101044		
100,00017	73 104	1007	DEMP TRUEY, MILE MACK		104.61	1.00	. p. 56, 11	5410.74		
Read Id month	Mr. More	NTAIN	VIEW CHENCE PR	· · · ·	100.01			June 14		
Autor 10 - 00.00	Bioline and	and all a	CIER CHERCIERD							
Accession and all	and the second									
Road District			ALL PLAN STREAM		100.000	1.00	Sec. 14			
10102010	71239	1000	BACKING AND CAR IN		10.30	1.00	949.14	#100 ID		
121322010	124.39	1040	TRADER AND	1.1	43.42	3.00		612.19		
1212/2010	122.99	1000		10 A	46.41	3.00		801.41		
PA	GE 95 OF	98				E	TOWAH COUN	TY - DOCUME	NT SET 4-2	

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1200	12220	- 223	201223	22210	1235	12:25	10.000	235277		1000
Date	DJ M	M	Description	Rate M	Rate	Units	Emp Cost	EquCost	Mar Cest	Cas Cas
Project 5d - 28-903 Road Id - 0028	STROW M/	NTAIN	ANCE BRAINAGE, DITCH, SHO VIEW CHURCH RD	CLDER						
Activity M 380	Dishing									
Road District	t - 4									
12122816	72299	1001	DUMP TRUCK-2010	1 C	-47.93	3.60		\$143.79		
12/13/2016	77260	1217	NORTON STEVE A	3	23.92	3.00	\$71.76			
12130014	72368	1052	EXCAVATOR-WHEELED	1.1	148.69	3.00		\$446.07		
1213/2016	72208	1581	SALERS WILLIAM R.		21.62	3.80	\$64.86			
12/13/2016	72260	1800	DUMP TRUCK-2063	E	45.15	3.60		\$135.45		
1213/2016	72268	1144	HEARD ERIC W	3	24.40	3.00	\$73.20			
12/13/2016	72268	0952	DUMP TRUCK-FLATBED	1	-85.48	3.00		\$136.23		
12/13/2014	72260	1524	KUHN RICHARD A	3	27.73	3.00	\$83.25			
12132046	72160	1055	PICKUP-2012 FORD F158	1	18.99	3.00		\$15.77		
3/29/2017	72342	1524	KUHN RICHARD A		27.90	53.00	\$279.00			
3/29/2017	72547	2527	ALLEN KIRDAN		16.54	00.00	\$165.44			
109/0017	72147	1646	BACKING-3815 CAT 430F	1	61.73	10.00		\$617.30		
1/04/0617	72347	1000	TRAILER-2009	1	12.47	10.00		5124.70		
1090917	77347	1000	DUMP TRUNK - 2000		49.34	10.00		\$493.40		
10160617	72547	1491	STATE DAMPIN	1.1	22.76	10.00	\$227.10	A.C		
1040041	TYNAT	1010	DEMP TRUCK-2005 IVED	100	39.15	10.00	40.01119	\$191.50		
1/26/2017	17147	2512	DESCRIPTION OF THE PARTY OF THE		16.93	10.60	5148-20			
Boad Id - DEN	ARA ANTI	OCUM	DAD.	1.20	10.74		1100.00			
Activity 34, 354	Disching		CONTRACT, C							
Activity to any	. Derrang									
Child States of	www.in	1114	CARDING MARCHIN		17.47	1.00	100.11			
12/12/2010	722.29	1000	CARGINE MARLOS	- 20	47.10	2.00	940.15	#111.04		
121222010	72159	0000	CREATE ADDRESS		41.19	2,00	2000 Con	\$433.30		
12/12/2016	72239	1000	CEPSOS ADAM	- 21	19,00	5,00	1948.000	#111. IN		
12/12/2010	722.99	1629	DOMP TRUCK-2006	1.1	40.33	9.00	arts at	301.75		
1212/2016	72239	1110	MCGATISA CISARLES K.	- 12	23.94	5.00	3118.79	100.00		
13/13/3016	72309	- 1961	PRACE		18,31	5,00	10003-002	3041.33		
12/12/2010	72239	2528	CATTLING LEVAE	- 20	18.83	3,00	204.05	#100 V.F.		
1212/10/1016	72159	1041	BACKHOE-2015 CAT 430F		41.13	5.00		SOORAD		
3/38/2017	72287	0023	BRYANT JEBRY A		30.20	5.00	\$151.00			
1/18/2017	72287	6660	DUMP TRUCK-2008	1.1	49.36	5,00		\$246.00		
1/18/2017	72387	1940	BACKHOE-2915-CAT 4008		61.73	5.00		\$308.45		
1/18/2017	72287	2507	GRANGER BRUCE		18.84	5.00	\$94.20			
3/38/2017	72387	OB82	DEMP TRUCK-FLAT BED	1	49.36	5.00	2.2.2.2.2.2	\$246.80		
1/18/2017	72287	1809	PERKINS ROCER L	3	21.78	5.00	\$108.90	12.2.5		
1/18/2017	72387	1065	DUMP TRUCK-2006 MACK	1.	104.81	5.00	- 0 1 G 1	\$524.65		
2/13/2017	72308	1517	WASHINGTON ROBERT E		27.93	5.00	\$139.65	Color and Color		
2/15/2047	72308	1005	TRUCK2007 FORD F150	- L.	18.88	5.00		\$94.30		
2/13/2017	72308	1530	OUTHERY THOMAS		21.10	5.00	\$105.50			
2/13/2017	72308	1613	EXCAVATOR-WHEELED	1.1	148.69	5.00		\$243.45		
2/13/2017	72308	1468	DUTTON CLAUDE C	3	18.56	5.00	\$92.80			
2/13/2017	72368	1064	DUMP TRUCK-2016 MACK	1	101.01	5.00		\$524.65		
2/13/2017	72308	2538	CATTLING LEVAR		19.03	5.00	\$95.85			
2/13/2017	72.168	1804	TRUCK-PICK UP PLAT CREW	- E -	26.78	5.00	+	\$133.99		
Read Id - (#25	BI-: COPI	NERRIEA	AD CIRCLE							
Activity 1d 351	Ditching									
Read District	-1									
3/6/2017	72327	1196	PATTERSON WELLAM J	3	21.19	5.00	\$103.95			
3/6/2047	72327	1049	MOTOR GRADER-2015 CAT	1 C	122,21	5.00		\$611.05		
36/2017	72327	0617	BRYANT JERRY A	3	30.20	5.00	\$151.00			
16/2017	72327	0998	DUMP TRUCK-2008 GMC	1	49.36	5.00		\$246.80		
M6201T	72327	1042	EACKHOE-2015 CAT 430F	1.1	41.73	5.00		\$308.65		
3/6/2014/7	72122	1909	PERKINS ROCER L		21.78	5.00	\$108.90			
3/6/2017	72327	1829	DUMP TRUCK-2006	1	49.36	5.00	1000 C	\$246.85		
Road 1d - 9829	78-: DAVI	S FERR	V ROAD							

Activity 1d 350 Ditching

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Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Bute	DIM	14	Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cent	Cas Cast
Project Id - 28-003 Road Id - 0029	IROW M	AINTEN/	ANCE-DRAINAGE, DETCIL, SHO V ROAD	ULDER	0.000	2022		5		1.000
Activity M .25	Bitching	in a ration								
Road Bistolet										
13/34/2014	97563	0077	DRVANT RIPEY A	1.0	29.82	2.50	\$74.75			
TTYLE COURSE	10100	0007	THE REPORT OF THE PARTY OF THE		47.55	3.50	30400	\$1173 MR		
12/14/2014	72274.3	1047	DEPRING THE CASE AND	- 12	41.77	1.00		8152.75		
12/24/2010	02040	1000	PERMIT PARAMETER		31.40	3.40	643.75	3134.30		
COLORADORE IN COLORADORE	10000	0.007	PERMITS ROUTER L	- 10	43.34	3.40	414.14	5105.00		
121242010	72294	7474	THE PARTY I		10.00	3.10	TABLE 1	A 1 100 100		
CONTRACTOR OF THE	10.000	1004	WHEN POSSELL.	1.1	24.00	3.60	3-0.13	843.38		
121242000	10000	1001	CHARTER BRIDE		10.00	3.50	844.94	Pro. 18		
12040000	7226	1000	COLORADER DIVINE	1.1	104.00	2.40	946.13	1242.02		
Barriel 1.4	12251	1000	DUMP TRUCK-2009 MALK		104.85	4.54		3060.00		
Board FE - DE.K	CT-S BORDS	I COM CO	ALLA DOLL							
Activity fill and	a Descard									
Read Destrict		Constant.	A STREET, STREET, STREET, ST. A.	1.0	14.10		1000 100			
3/3 20204 2	12286	1213	NURICE STEVE A		24.30	*.00	309.00	2000		
1/17/2017	72386	1652	EXCAVATOR-WHEELED		148.09	4.00		\$309.76		
8/87/2017	72,296	1281	SALERS WELLIAM R	1.1	21.90	4.00	367.60			
8/37/2017	72286	0952	DOMPTROCK-PLATHED	1	49.35	8.00		\$197.84		
3/37/2017	72286	1144	HEARD EREC W		-24,09	4,00	398.75			
8/97/2017	72286	1067	DUMP TRUCK-2006 MACK		104.83	4.00		3419.24		
Read 3d - 0030	SO-C REDO	STATES.	DRIVE.							
Activity M. 350	Dishing									
Read District	-4	32222	11.0425-0421-040364	100	95355	1000	(10)10			
13/12/2016	72299	2527	ALLEN JORDAN	3	16.38	4.00	\$63.52	12330.000		
13/12/2016	72259	1040	BACKHOE-2015 CAT 450F	· · · ·	61.73	4.00		\$246.92		
13/12/2016	72259	1000	TRAILER-2009	- L	12.49	4.00		\$49.58		
13/13/2016	722.59	1801	DUMP TRUCK~2010	E	47.93	4.00		\$190.72		
Read 5d + 0030	The CEN	FERSTR	ULET							
Activity Id. 380	Ditching									
Road District	- 2									
3/9/2017	72330	0627	BRYANT JERRY A		30.30	10.00	\$702.00			
399(2017	72330	-0997	DCMP TRUCK-2008	1	49,36	10.00		\$490.60		
3/9/2017	72356	1041	BACKHOE-2015 CAT 430F	1	61.73	10.00		\$617.30		
3/9/2017	72330	1809	PERKINS ROGER L		21.76	10.00	\$217.80			
3/9/2017	72350	31965	DUMP TRUCK-2016 MACK	1 I	994.81	10.00		\$1,048.10		
390201T	72330	1517	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
3/9(2)(17	72330	1005	TRUCK-2907 FORD F150	1.	18.96	10.00		\$188.60		
Read 1d - 0031	06-1 LETT	LE BRE	WER ROAD							
Activity 1d 350	Ditching									
Read District	-2									
3/6/2017	72327	1196	PATTERSON WILLIAM J		21,19	5.00	\$105.95			
3/6/2017	72327	1849	MOTOR GRADER-2015 CAT	- E -	122.21	5.00		\$611.05		
3/6/2017	72327	0827	BRYANT JERRY A		30.20	5.00	\$151.00			
3/6/2017	22322	0998	DUMP TRUCK-2008 GMC	1	49.36	5.00		\$246.80		
3/6/2017	72327	1942	BACKHOE-2013 CAT 430F	1.5		5.00		\$308.65		
36/2017	72327	1809	PERKINS ROOFN L		21.78	5.00	\$108.99			
3462817	72327	1829	DUMP TRUCK-2006	1	49.36	5.00		\$246.90		
				Project Car	t by Category		\$137,287.61	5455,082.99	50.00	50.00
				Total Proje	et Cast				5	592,370.40
Project Id - Thirds	MAINT	INING	NPAVED BOARS	000000					=	
Road 1d - 0010	97- MIL	LER LAS	VE.							
Activity Id. 350	Ditching	-								
Read District	-4									
4/11/2016	72051	2529	BOBO BRIAN	1	13.36	6,00	\$80.14			
4/11/2016	72851	1620	DUMP TRUCK-2013	1	51.54	0.00		\$206.55		

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Date	DJ M	M	Description	Rate M	Bate	Units	Emp Cost	Equ Cost	Mat Cost	Con Cost
Project Id -28-000	-INLAINT #	UNING E	NPAVED ROADS	0.000-	27.41	10010	1000000			
Road Ed - 0010	97 c MB.I	LERLAS	SE.							
Activity Id 35	0 Disching									
Road District	-	1.1.1.1.1.1.1	2012/01/21/12/21	1.1	15555	12062	12000			
4/11/2006	12851	1.581	SALERS WILLIAM R	1	14.05	10.00	\$341.60	1000		
411/2016	72951	0054	MOTOR ORADER-2015 CAT	5 K.	131.67	10.00		\$1,316,70		
4/11/2016	12051	2512	SHEELER DAVID	1.	12:43	10.99	\$124.30			
#11/2016	23851	0014	DOMP TRUCK-FLAT BED	E	48.29	10.00		\$487.90		
4/13/2016	72051	0679	KELLEY DONALD R	1 C	21,49	10.08	\$214.90			
4/13/2016	72951	0983	PERUP	1.2	15.75	10.00		\$157.50		
411/2016	32051	2517	MESSER NICHOLAS A	- C.S.	13.71	10.09	\$137.10			
411/2016	72951	1050	INTEGRATED TOOL	1	90.96	10.08		\$909.68		
Read 1d - 9823	19+: RED	OAK DI	EIV'E							
Activity 14 35	Disting									
Read District	-4									
5/10/2016	72075	2517	MESSER NICHOLAS A	1.2	13.71	4.00	\$54.84			
5/10/2016	72975	1043	BACKHOE	1	67.34	4.00		\$269.36		
5/10/2016	73975	1000	TRAILER-UTILITY	1 C	11.58	4.00		\$46.32		
5/10/2016	72975	1001	DUMP TRUCK-FLATBED	E	54,34	4.00		\$217.36		
5/10/2016	32075	1225	POSEY JAMES D	1	15.12	4.00	\$64.48			
5/10/2016	73979	1030	DUMP TRUCK-2003		51.54	4.00		\$206.10		
5/10/2016	72075	0679	KELLEY DONALD R	4	21.49	4.00	585.96			
\$10(2016	72875	0983	PICKUP	R	15.75	4.00		\$63.00		
				Project Cos	t by Category		\$993.34	\$3,880.06	58.00	38.00
				Total Proje	et Cost.					\$4,783.49
	22.22	2011							_	
Project 14 -18-003	DESILVEN	AYPIPI	DSTALLATION							
Hoad 1d - 0026	214 1100	REAL 1. 100	3AD							
Activity 14 35	Dischoog									
Road District		1000		2.1			A 14 1 14 1			
6/20/2016	32198	2529	ALLEN JORDAN		12.50	2.30	\$39.22			
9/20/1819	72100	1043	BACKHOE	1.5	67,34	2.50	1000	\$108.35		
6/20/2016	72106	2529	SWORDS NIKOLAS		13.36	2.30	3,13.40	Constant of C		
6/20/2016	73104	1000	TRAILER-UTILITY		11.58	2.39		328.95		
6/20/2016	73.008	1001	DUMP TRUCK-FLATHED		54.34	2.50		\$135.85		
6/20/2016	72108	2512	SHEELER DAVID	1	12,43	2.50	\$31.08			
6/20/2016	72108	1911	DUMP TRUCK	1. C	88.56	2.50		\$322,40		
620/2016	72108	0679	KELLEY DONALD R	1	21.49	2.50	\$33.73			
6/20/2016	73.008	0983	PICKUP	1	15.75	2,50	0.00000111	\$39,38		
				Project Cas	thy Category	- 22	\$148.46	\$594.93	\$6.08	30.00
				Total Proje	el Cost	_				\$743.39

93 of 93

Etował Municipa	n County Il Facilities
Facility Name	Address
County Shop	402 Tuscaloosa Ave
County Shop	1950 US Hwy 431

Spill Control

- Are all spills wiped up quickty?
- Are procedures followed as indicated on the material safety data sheet?
- Are spill absorbents used for greasy, oily, flammable or toxic materials?
- Are used rags and absorbents disposed of promptly and safely?
- Is a spill area surrounded by a barrier to prevent a spill from spreading?

Equipment and Machinery Maintenance

- Is equipment in good working order, with all necessary guards or safety features operational or in place?
- Is equipment damaged or outdated?
- Are tools and machinery inspected regularly for wear or leaks?
- Is equipment repaired promptly?
- Are drip pans or absorbent materials used if leaks cannot be stopped at the source?
- Is a machine that splashes oil fitted with a screen or splash guard?
- Are machines and tools cleaned regularly?

Waste Disposal

- Are there adequate number of containers?
- Are there separate and approved containers for toxic and flammable waste?
- Are waste containers located where the waste is produced?
- Are waste containers emptied regularly?
- Are toxic and flammable waste chemicals handled property?

Storage

- Are storage areas safe and accessible?
- Is material stacked securely, blocked or interlocked if possible?
- Are materials stored in areas that do not obstruct stairs, fire escapes, exits or firefighting equipment?
- Are materials stored in areas that do not interfere with workers or the flow of materials?
- Are bins or racks provided where material cannot be piled?
- Are all storage areas clearly marked?
- Do workers understand material storage and handling procedures?

Spill Control Checklist

_	1. Assess what materials have been spilled and whether hazardous waste.
_	2a. If hazardous waste consult MSD sheet for proper procedure
_	2b. Notify proper personnel if hazardous waste.
	 Create a barrier to prevent spill from spreading.
_	 Use spill absorbents for greasy, oily, flammable, or toxic materials.
_	5. Promptly and safely dispose of used absorbent materials.
_	 Make sure area is properly vented and notify supervisor.

Each Item should be signed off on by employee handling spill control.

20

DAILY EQUIPMENT REPORT

OPERADOR NAME +

HOURN

DESCHIRE DEFECTS

ETOWAH COUNTY - DOCUMENT SET 5-2

Rpgwo107

05/17/2017

GARAGE REPAIR ORDER

					REPAIR # :	2553
Parts Cost	\$11.34	Date In:	07/11/2016	Equip Id/Desc:	1053	
LEM Cost	\$14.83	Date Out:	07/21/2016	- success	EXCAVATOR-W	HEELED WMULCH
Other Cost	\$0.00	Mileage/Hrs:	/ 794	Vehicle #		
Job Total Cost	\$26.17	VIN		Asset #	10008	
	2387494	Emp Name:		Department	GADSDEN SHOP	C.
	n	ransfer Fund:	111-3110-531.23-40			

Repairs Needed: BROKEN GREASE LINE

Repairs Done: REPLACED WITH USED ONE

		Materials/L	.abor		
Туре	ld	Name/Desc	Rate	Units	Cost
L	1882	HESTER BENNY D	\$14.83	1.00	\$14.83
P	134A	REFRIGERANT	\$11.34	1.00	\$11.34

COUNTY HIGHWAY DEPARTMENT

Rpgwo107

GARAGE REPAIR ORDER

					REPAIR # :	2559
Parts Cost	\$40.00	Date In:	06/27/2016	Equip Id/Desc.	947	
LEM Cost	\$27.42	Date Out	06/27/2016			
Other Cost.	\$0.00	Mileage/Hrs:	100,564 /	Vehicle #		
Job Total Cost	\$67.42	VIN:		Asset #		
		Emp Name:	MARK L	Department:	ATTALLA SHOP	
	r	ransfer Fund:	111-53106			

Repairs Needed: HYD CYLINDER LEAKING

Repairs Done: REMOVED ENCAP AND REBUILT

	Materials/Labor						
Туре	id	Name/Desc	Rate	Units	Cost		
L	2517	MESSER NICHOLAS A	\$13.71	2.00	\$27.42		
р		HYDRAULIC OIL	\$10.00	4.00	\$40.00		

COUNTY HIGHWAY DEPARTMENT

Rpgwo107

GARAGE REPAIR ORDER

					REPAIR # : 2	572
Parts Cost	\$156.54	Date In:	06/09/2016	Equip Id/Desc	812	
LEM Cost	\$42.22	Date Out	06/09/2016	101000		
Other Cost	\$0.00	Mileage/Hrs:	208,086 /	Vehicle #		
Job Total Cost	\$198.76	VIN:		Asset #		
		Emp Name:		Department	ROAD DEPARTMENT	
	n n	ransfer Fund:	111-3110-531.23-40			

Repairs Needed: COOLANT LEAK

Repairs Done: REPLAED COOLANT PUMP, THERMOSTAT AND COOLANT

	Materials/Labor						
Туре	ld	Name/Desc	Rate	Units	Cost		
L	2500	BROWN REX A	\$14.43	1.50	\$21.65		
L	2517	MESSER NICHOLAS A	\$13.71	1.50	\$20.57		
Р		window washer	\$1.25	1.00	\$1.25		
р		ANTIFREEZE	\$10.57	3.00	\$31.71		
Р	FWP9409	WATER PUMP	\$103.59	1.00	\$103.59		
P	37987	T-STAT	\$19.90	1.00	\$19.99		

COUNTY HIGHWAY DEPARTMENT

Rpgwo107

GARAGE REPAIR ORDER

					REPAIR # : 2575	_
Parts Cost:	\$391.18	Date In:	04/05/2016	Equip Id/Desc	1041	
LEM Cost	\$58.52	Date Out	04/08/2016	- manarak	BACKHOE	
Other Cost:	\$0.00	Mieage/Hrs:	/ 260	Vehicle #:		
Job Total Cost	\$449.70	VIN:		Asset #:	9998	
		Emp Name:		Department:	ROAD DEPARTMENT	
	T	ansfer Fund:	111-3110-531 23-40			

Repairs Needed BROKEN HOSE

Repairs Done: REPLACED HOSE

	Materials/Labor						
Type	ld	Name/Desc	Rate	Units	Cost		
L	1882	HESTER BENNY D	\$14.83	2.00	\$29.65		
L	2502	BADGETT THOMAS	\$14,43	2.00	\$28.86		
р		HYD OIL			\$345.00		
Р		HD HOSE	\$12.23	1.00	\$12.23		
р	GW-30	HD OIL	\$33.95	1.00	\$33.95		

COUNTY HIGHWAY DEPARTMENT

Rpgwo107

GARAGE REPAIR ORDER

					REPAIR # :	2593
Parts Cost:	\$1.50	Date In:	04/14/2016	Equip Id/Desc:	1059	
LEM Cost	\$14.83	Date Out:	04/14/2016	a convert	TRACTOR-MOW	ER W/TIGER MOT
Other Cost	\$0.00	Mieage/Hrs:	/ 1,708	Vehicle #		
Job Total Cost	\$16.33	VIN:		Asset #		2002
		Emp Name:	SEARS	Department:	ROAD DEPARTM	ENT
	T.	ransfer Fund:	111-3110-531.23-	40		

Repairs Needed: HYDRAULIC LEAK ON MAIN BOOM

Repairs Done: REPLACED O-RING ON LINE

	Materials/Labor						
Туре	M	Name/Desc	Rate	Units	Cost		
L	1882	HESTER BENNY D	\$14.83	1.00	\$14.83		
Р		O-RING	\$0.50	1.00	\$0.50		
р		3 ZIP TIES	\$1.00	1.00	\$1.00		

COUNTY HIGHWAY DEPARTMENT

Rpgwo107

GARAGE REPAIR ORDER

						REPAIR # :	2601
Parts Cost:	\$62.00	Date In:	04/14/2016		Equip Id/Desc:	977	0.00000
LEM Cost:	\$14.83	Date Out:	04/14/2016				
Other Cost:	\$0.00	Mieage/Hrs:	43,120	1	Vehicle #:		
Job Total Cost	\$76.83	VIN:			Asset #:		
		Emp Name:	BRUCE		Department		
	T	ransfer Fund:					

Repairs Needed: COOLANT LEAK BROKEN 3/8" LINE

Repairs Done:

	Materials/Labor						
Туре	ld	Name/Desc	Rate	Units	Cost		
L	1882	HESTER BENNY D	\$14.83	1.00	\$14.83		
р		3/8" HOSE	\$2.00	1.00	\$2.00		
р		COOLANT	\$10.00	6.00	\$60.00		

COUNTY HIGHWAY DEPARTMENT

Rpgwo107

GARAGE REPAIR ORDER

					REPAIR # :	2803
Parts Cost	\$5.40	Date In:	04/29/2016	Equip Id/Desc.	947	
LEM Cost	\$33.88	Date Out:	04/29/2016	10011742-		
Other Cost	\$0.00	Mieage/Hrs:	98,118 /	Vehicle #		
Job Total Cost	\$39.28	VIN:		Asset#:		
		Emp Name:	MARK J	Department	ATTALLA SHOP	
	r	ransfer Fund:	111-53106			

Repairs Needed: CYLINDER ON GRAVEL LID LEAKING

Repairs Done: REMOVED CY ..., REPACKED AT UNITED HYRAULIC

INTALLED TWO NEW BATTER TERMINALS

		Materials/L	abor		
Туре	M	Name/Desc	Rate	Units	Cost
L	1194	SUTTON WILLIAM M	\$16.94	2.00	\$33.88
р		battery terminals	\$2.70	2.00	\$5.40

Rpgwo107

05/17/2017

GARAGE REPAIR ORDER.

					REPAIR #1	2618
Parts Cost:	\$300.50	Date In:	05/18/2016	Equip Id/Desc:	1029	
LEM Cost	\$43.29	Date Out:	05/18/2016		DUMP TRUCK	
Other Cost	\$0.00	Mileage/Hrs:	134,314 /	Vehicle #		
Job Total Cost	\$343.79 VIN:	VIN:	1HTMMAAR86H30492	6 Asset #	1, 9878	
		Emp Name:		Department	GADSDEN SHOP	
	r	ransfer Fund.	111-3110-531,23-40			

Repairs Needed: WATER PUMP LEAKING

Repairs Done: REPLACE PUMP AND COOLANT

Materials/Labor								
Туре	ki	Name/Desc	Rate	Units	Cost			
L	2500	BROWN REX A	\$14.43	3.00	\$43.29			
p	1842665C93	WATER PUMP	\$230.50	1.00	\$230.50			
р		COOLANT	\$10.00	7.00	\$70.00			

COUNTY HIGHWAY DEPARTMENT

Rpgwo107

GARAGE REPAIR ORDER

					REPAIR # :	2024
Parts Cost:	\$0.00	Date In:	05/19/2016	Equip Id/Desc:	1003	
LEM Cost	\$7.22	Date Out	05/19/2016	10000	TRUCK-PICK UP	FLAT CREW
Other Cost:	\$0.00	Mileage/Hrs:	140,624 /	Vehicle #		
Job Total Cost:	\$7.22	\$7.22 VIN:	1FDXW46P03ED09057	Asset #	0414	
		Emp Name:		Department:	ATTALLA SHOP	
	n	ransfer Fund:	111-53104			

Repairs Needed: OIL LEAK

Repairs Done: TIGHTENED OIL FILTER

		Materials/L	abor		
Туре	H	Name/Desc	Rate	Units	Cost
L	2502	BADGETT THOMAS	\$14.43	0.50	\$7.22

COUNTY HIGHWAY DEPARTMENT

Rpgwo107

GARAGE REPAIR ORDER

							REPAIR # :	2640
Parts Cost	\$0.00	Date In:	05/19/2016	6		Equip Id/Desc:	328	
LEM Cost	\$29.66	Date Out:	05/19/2016	į.		1000000		
Other Cost	\$0.00	Mieage/Hrs:		7	1,202	Vehicle #		
Job Total Cost	\$29.06	VIN:				Asset #		
		Emp Name:	STEVE			Department		
	T	ransfer Fund:	-					

Repairs Needed: HYDRAULIC LEAK

Repairs Done: REPLACED O-RING ON PUMP MOTOR

	Materials/Labor								
Туре	ki	Name/Desc	Rate	Units	Cost				
L	1882	HESTER BENNY D	\$14.83	2.00	\$29.66				

COUNTY HIGHWAY DEPARTMENT

Rpgwo107

GARAGE REPAIR ORDER

					REPAIR # :	2665
Parts Cost	\$1,459.06	Date In:	06/20/2016	Equip Id/Desc:	1016	
LEM Cost	\$87.78	Date Out	06/20/2016	- second	BROOM	
Other Cost	\$0.00	Mieage/Hrs:	/ 930	Vehicle #:	0.00	
Job Total Cost.	\$1,546.84	VIN:		Asset #:	9697	
		Emp Name:		Department	ROAD DEPARTM	ENT
	r	ransfer Fund.	111-3110-531.23-40	0		

Repairs Needed: BD SEAL IN AUX PUMP ...

Repairs Done: REPLACED STEER ORBIT - LEAKING /// OIL ///REBUILOT CYLINDER ////

REPLACED HYDRAULIC FILTER

Materials/Labor								
Туре	M	Name/Desc	Rate	Units	Cost			
L	1882	HESTER BENNY D	\$14.83	3.00	\$44.49			
L	2502	BADGETT THOMAS	\$14.43	3.00	\$43.29			
Ρ	# 39045	POWER STEERING MOTOR	\$1,340.00	1.00	\$1,340.00			
Ρ	6400-06-05	FITING	\$6.00	1.00	\$6.00			
р	HYD OIL	UNIVERSAL	\$5.00	15.00	\$75.00			
p	BT8851-MPG	HD FILTER	\$38.06	1.00	\$38.06			

COUNTY HIGHWAY DEPARTMENT

Rpgwo107

GARAGE REPAIR ORDER

						REPAIR # ;	2714
Parts Cost:	\$165.00	Date In:	05/10/2016		Equip Id/Desc.	0948	Shok Alta
LEM Cost	\$28.80	Date Out	08/11/2016			RECLAIMER/MIX	ER
Other Cost:	\$0.00	Mieage/Hrs:		1	Vehicle #		
Job Total Cost:	\$193.80	VIN			Asset #	8555	
		Emp Name:			Department:	GADSDEN SHOP	2
	T.	ransfer Fund:	111-3110-	531.23-40			

Repairs Needed: LEAKING STEERING CLYINDER

Repairs Done: HAD CYLINDER REBUILT AND INSTALLED

Materials/Labor								
Type	ld	Name/Desc	Rate	Units	Cost			
L	2517	MESSER NICHOLAS A	\$14.40	2.00	\$28.80			
P	REBUILT	STEERING CYLINDER	\$165.00	1.00	\$165.00			

COUNTY HIGHWAY DEPARTMENT

Rpgwo107

GARAGE REPAIR ORDER

						REPAIR #:	2934
Parts Cost	\$173.30	Date In:	01/25/2017		Equip Id/Desc:	1035	
LEM Cost	\$147.35	Date Out:	01/25/2017		inana)	TRACTOR-2009 JOHN DEER V	
Other Cost	\$0.00	Mieage/Hrs:	1	1,749	Vehicle #		
Job Total Cost	st \$320.65 VIN	VIN:	K-ITA-350493		Asset #	9875	
		Emp Name:			Department:	ETOWAH COUN	TY WIDE
	r	ransfer Fund:					

Repairs Needed: RADIATOR LEAKING, NEEDS BLADES, RESET HYDRO HEAD.

Repairs Done: FIXED COOLANT LEAK, INSTALLED NEW BLADES, WELDED BRACKET ON HYDRO HEAD.

Materials/Labor							
Type Id		Name/Desc	Rate	Units	Cost		
L	2517	MESSER NICHOLAS A	\$14.72	5.00	\$73.60		
L	2500	BROWN REX A	\$14.75	5.00	\$73.75		
Р	L169999	O RING	\$3.41	1.00	\$3.41		
Р	L209135	O RING	\$2.00	1.00	\$2.00		
р	AL179270	RADIATOR RESERVOIR	\$167.89	1.00	\$167.89		

COUNTY HIGHWAY DEPARTMENT

Rpgwo107

GARAGE REPAIR ORDER

					REPAIR # :	2941
Parts Cost	\$17.00	Date In:	01/30/2017	Equip 1d/Desc:	1001	
LEM Cost	\$14.72	Date Out	01/30/2017	- 20.000	DUMP TRUCK-	-2010 INTERNATION
Other Cost:	\$0.00	Mileage/Hrs:	45,196 /	Vehicle #		
Job Total Cost	\$31.72	VIN:	1HTMKAAR6AH21376	5 Assel #	9313	
		Emp Name:		Department:	ATTALLA SHOP	P
	T	ransfer Fund:	111-53104			

Repairs Needed: COOLANT LEAK.

Repairs Done: REPLACED LEAKING HOSE.

	Materials/Labor							
Type Id	Name/Desc	Rate	Units	Cost				
L	2517	MESSER NICHOLAS A	\$14.72	1.00	\$14.72			
р	ANTIFREEZE	ANTIFREEZE	\$12.00	1.00	\$12.00			
Р	FUEL LINE	FUEL LINE	\$5.00	1.00	\$5.00			

COUNTY HIGHWAY DEPARTMENT

Rpgwo107

GARAGE REPAIR ORDER

					REPAIR # : 2995
Parts Cost	\$79.97	Date In:	02/17/2017	Equip Id/Desc.	0947
LEM Cost	\$44.16	Date Out	02/17/2017	1911312	ASPHALT PATCHER
Other Cost	\$0.00	Mieage/Hrs:	106,629 /	Vehicle #	
Job Total Cost	Cost \$124.13 VIN:	VIN:	1FVAB38V33DL04496	6 Asset #	8542
		Emp Name:		Department:	ATTALLA SHOP
	n	ransfer Fund:	111-53106		

Repairs Needed: AIR LEAK, HYDRO LEAK, BRAKES

Repairs Done: REPLACED BRAKE CHAMBER, REPLACED O, RING ON HYDRO PUMP, ADJUSTED BRAKES.

	Materials/Labor							
Type Id		Name/Desc	Rate	Units	Cost			
L	2517	MESSER NICHOLAS A	\$14.72	3.00	\$44.16			
P	R820	O'RING	\$6.09	1.00	\$6.09			
Р	PLBTS3030-4	BRAKE CHAMBER	\$73.88	1.00	\$73.88			

COUNTY HIGHWAY DEPARTMENT

Rpgwo107

GARAGE REPAIR ORDER

						REPAIR # :	2966
Parts Cost	\$29.32	Date In:	02/20/2017		Equip Id/Desc:	1052	
LEM Cost	\$29.50	Date Out	02/20/2017			EXCAVATOR-V	VHEELED 2015 GAT
Other Cost	\$0.00	Mieage/Hrs:		/ 952	Vehicle #		
Job Total Cost	\$58.82	VIN	2W00268		Asset #	10007	
	2012031	Emp Name:			Department:	GADSDEN SHO	P
	r	ransfer Fund:	111-3110-	631.23	40		

Repairs Needed: HYD HOSE BUSTED.

Repairs Done: REPLACED HOSE.

Materials/Labor							
Type Id		Name/Desc	Rate	Units	Cost		
L	2502	BADGETT THOMAS	\$14.75	2.00	\$29.50		
Р	4,466V	FITTING	\$12.60	1.00	\$12.60		
р	4566V	FITTING	\$8.80	1.00	\$8.80		
р	HOSE	HYDRO HOSE	\$7.92	1.00	\$7.92		

COUNTY HIGHWAY DEPARTMENT

Rpgwo107

GARAGE REPAIR ORDER

						REPAIR # :	3015
Parts Cost.	\$249.00	Date In:	03/01/2017		Equip Id/Desc:	1042	
LEM Cost	\$75.80	Date Out	03/01/2017		and the second	BACKHOE-2015	CAT 430F
Other Cost	\$0.00	Mieage/Hrs:	1	993	Vehicle #		
lob Total Cost	\$324.80	VIN:	HRDF00784		Asset #	9996	
		Emp Name:			Department:	GADSDEN SHOP	2
	r	ransfer Fund:	111-3110-5	31.23-40			

Repairs Needed: HYDRO LINES LEAKING.

Repairs Done: REPLACED BOTH HYDRO LINES AND FILLED WITH FLUID.

Materials/Labor								
Туре	М	Name/Desc	Rate	Units	Cost			
L	1882	HESTER BENNY D	\$15.16	5.00	\$75.80			
р		HYD LINE	\$94.20	1.00	\$94.20			
p		HYD LINE	\$54.80	1.00	\$54.80			
ρ		SAFE SPIRAL LINE COVER	\$35.00	1.00	\$35.00			
р	CAT	FLUID	\$65.00	1.00	\$65.00			

Rpgwo107

05/17/2017

GARAGE REPAIR ORDER

					REPAIR # : 3024
Parts Cost	\$244.63	Date In:	03/07/2017	Equip Id/Desc:	1004
LEM Cost	\$264.96	Date Out	03/07/2017	manual	TRUCK-PICK UP FLAT CREW
Other Cost:	\$0.00	Mileage/Hrs:	148,348 /	Vehicle #	
Job Total Cost	\$509.59	VIN:	1FDXW46P03ED09060	Asset #	9415
		Emp Name:		Department.	GADSDEN SHOP
	n n	ransfer Fund:	111-3110-531.23-40		

Repairs Needed: OIL LEAK AND BAD FAN CLUTCH

Repairs Done: REPLACED SEAL ON HIGH VOLUME OIL PUMP HOUSING AND REPLACED FAN CLUTCH.

Materials/Labor							
Type Id		Name/Desc	Rate	Units	Cost		
L	2517	MESSER NICHOLAS A	\$14.72	18.00	\$264.96		
Р	177621	FAN CLUTCH	\$210.05	1.00	\$210.05		
P	999396	OIL FILTER HOUSING SEAL	\$22.58	1.00	\$22.58		
Р	ANTIFREEZE	ANTIFREEZE	\$12.00	1.00	\$12.00		

Rpgwo107

05/17/2017

GARAGE REPAIR ORDER

					REPAIR # :	3043
Parts Cost:	\$27.14	Date In:	03/16/2017	Equip Id/Desc.	1001	
LEM Cost	\$14.72	Date Out	03/16/2017		DUMP TRUCK-	2010 INTERNATION
Other Cost	\$0.00	Mileage/Hrs:	45,657 /	Vehicle #		
Job Total Cost:	\$41.86	VIN:	1HTMKAAR6AH2137	65 Asset #	9313	
		Emp Name:		Department	ATTALLA SHOP	
	n	ansfer Fund:	111-53100-			

Repairs Needed: BUSTED HOSE.

Repairs Done: REPLACED HOSE

Materials/Labor							
Type	ld	Name/Desc	Rate	Units 1.00	Cost \$15.14		
P 022122	022122	RADIATOR HOSE	\$15.14				
р	ANTIFREEZE	ANTIFREEZE	\$12.00	1.00	\$12.00		
L.	2517	MESSER NICHOLAS A	\$14.72	1.00	\$14.72		

Rpgwo107

05/17/2017

GARAGE REPAIR ORDER

					REPAIR # :	3055	
Parts Cost	\$210.99	Date In:	03/28/2017	Equip Id/Desc:	1028		
LEM Cost	\$60.64	Date Out	03/28/2017		DUMP TRUCK-2005 FORD F350		
Other Cost	\$0.00	Mileage/Hrs:	112,322 /	Vehicle #:			
Job Total Cost:	\$271.63	VIN:	1FDWW36P05EB4006	4 Asset #:	9877		
		Emp Name:		Department	ATTALLA SHOP	,	
	r	ransfer Fund:	111-53101-				

Repairs Needed: RADIATOR LEAKING ANTIFREEZE.

Repairs Done: REPLACED RADIATOR

Materials/Labor						
Туре	ld	Name/Desc	Rate	Units	Cost	
P CU2887	RADIATOR	\$203.99	1.00	\$203.99		
Р	WWF	WINDSHEID WASHER FLUID	\$1.75	4.00	\$7.00	
L	1882	HESTER BENNY D	\$15.16	4.00	\$60.64	

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Phone of Americanon Previn Department of AGRICULTURE & INDUSTRIES Richard Beard Building 1641 Federal Drice Minipassery, AJ, 38107 Pool Baldy & Consumer Eluision - Posticide Management Phone (204) 240-7245 or 240-7241 Pax (204) 240-7168 trees agit abdrema gord/posticide_management

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This is to attent that GUTHERY, THOMAS D. Is certified as a Commercial Applicator

Celepotes: GRD; ROW; Expines: 5/29/2017 Permit Number: 1/

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Autivides - Check each activity present at fas site.	1	IMP	10	Implementation Effectiveness		
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Phone of Americanon Previn Department of AGRICULTURE & INDUSTRIES Richard Beard Building 1641 Federal Drice Minipassery, AJ, 38107 Pool Baldy & Consumer Eluision - Posticide Management Phone (204) 240-7245 or 240-7241 Pax (204) 240-7168 trees agit abdrema gord/posticide_management

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This is to attent that GUTHERY, THOMAS D. Is certified as a Commercial Applicator

Celepotes: GRD; ROW; Expines: 5/29/2017 Permit Number: 1/

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ETOWAH COUNTY ROAD DEPARTMENT HERBICIDE TREATMENT REPORT

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Type MUSICITIVE NON-SELECTIVE	HERECOES, SUP	PACANTS, DRFT CONTROLS - TANK	2 TOTAL MIX TANK
TYPE MULICITYE NON-BULICITYE ABATEMENT	HERRICOES, SUP	ENT AREA ICHEDIX APPLICABLE INTERPOLI ENTREPOLI ENTREPOLI OTHER BAX BACANTS, DRIFT CONTROLS - TANK RATEAC	2 TOTAL MIX TANK
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O Traducter/ units Includes EPERCIDE REPORT de

Report Date: 05/15/2017 Report Id: Rppro012.rpt

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	DJM	M	Description	Bate Id	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Cos Cost
Project Id -28-011	8-DHERBIC	IDE PRO	RELAM							
Boad Id j	3									
Activity 14 48	It Herbield	Treatme	rest.							
Read District	1.2									
4/27/2006	72064	1158	TALTON STEVEN W	1.2	18.22	10.00	\$182.30			
Boad 1d - 0000	001-2: CE2	TRE R	AD (CO RD 71)							
Activity Id 48	I Herbicid	Trestm	183							
Read District	# -2									
54/2016	12070	1196	TALTON STEVEN W	10.7	18.22	1.00	\$18.22			
54/2016	73970	0814	PICKUP	1	19.21	1.00		519.21		
5/4/2916	73970	-0939	HERBICIDE-MSMA (TARGE	TOALLON	21.46	1.00			\$21.46	
546/2016	73970	2099	WATER	GAL	9.00	60.00			\$3.00	
7/25/2006	32137	1530	GUIHERY THOMAS	1	15.66	0.50	\$7.83			
7/25/2006	72137	1013	TRUCK-HERBCIDE-2000	1.1	39,52	0.58		\$19.76		
\$/25/2006	72164	1196	TALTON STEVEN W	1.1	18.22	0.77	\$14.03			
8/25/2016	72164	0814	PICKUP	12.	18.07	0.37		\$13.92		
\$/25/2016	32364	1100	GUTHERY THOMAS	102	15.66	0.37	\$12.06			
Read 14 - 0000	H3+ ALE	ANDER	ROAD							
Activity 1d. 40	I Herbleid	Treatme	ent l							
Road District	1.3									
6/16/2016	12105	1198	TALTON STEVEN W	1.2	18.22	0.58	\$10.37			
6/16/2016	721005	1012	TRUCK-HERBICIDE	1.1	42.01	0.58	0.000	\$24.37		
8/3/3016	22144	1198	TALTON STEVEN W	12	18.22	0.50	59.11	10000		
8/3/3916	27144	0814	PICICIP	100	18.07	0.55		19.04		
80/0816	Think	1530	CUTTERRY TROMAS	1.1	15.66	6.98	\$7.83			
Band 54 - 0000	IST ALEY	ORD BO	AD	0.1		1.00				
Artistic Id. 40	I Herbleid	Teratm	-							
Road District	1.7									
#19/2016	Trease	+130	GUTHERY THOMAS	1.1	15.65	6.58	\$9.09			
6/19/2016	23018	1615	TRUCK HERRORIDE, 2000	1.1	42.01	0.18		\$24.33		
3033846	12125	1110	CONTRACTOR VIEW AND		22.81	0.99	\$11.46			
notriers.	91044	1015	TRUCK-HERBOTHE-2000		39.52	0.59	307.00	321.12		
8/96/2016	723.68	1100	TALTON STEVEN IN	100	18.92	0.71	\$12.04			
8/30/2016	71048	-	PROVIDE CONTRACTOR		18.07	0.71		\$12.83		
8/30/2016	77168	1430	GUTTERY TROMAS		15.65	0.71	821.12			
Band Ld . down	AT	VALUE IN	ND CIRCLE	- 10 C		1000				
Automotive 14 AN	I Hashield	Territor	CALL COMMENT							
Band District										
- Andrewskie		1110	TALLING STRUCTURE		44.77	6.70	\$12.04			
7/27/2014	211.24	1198	TALIUN BLEVEN W		10.00	0.75	312.74	474.04		
Band Ld. door	141.29	VIETO A	TRUCK-HERDRADE	1.1	29.54			- BORNE		
Plane be - book	ALTS ALTS	ARDS IN	LAD BOOMD							
Activity for 40	i ninece	CURRENT	-							
ARTINIC .	19671	11100	TAL TOW STEVEN IN	10.0	18.22	0.83	101010			
0000010	22071	11110	DALTON STRATES W	- 22	18.22	0.83	303.13	111.00		
2222010	72073	1110	CALIF.		10.05	0.83	513.00	413.95		
3/20/01/0	20223	1000	COLUMN F THOMAS	23	10.00	0.40	517.04			
102102000	321.99	1198	TRUTCH SELVER W		18.00	6.75	312.94	171.05		
N2712900	710.09	STATES THE	TRUCK-HERBERE		39.32	0.11		328.00		
House ba - book	THE ALT	T. Internation	NITE.							
Activity 12 40	in introcto	e treatme								
None District			the province in the second second	2.0	10.00	0.44	00.04			
0010000	101014	1000	THINK I HIGHLA		43.00	0.59	39.24	414.00		
012112010	10214	101.5	CONTRACTOR NO. 100-2000		10.05	0.39	11.00	B-08,179		
02002000	12195	15,30	TRUCK USERCONT AND		12.00	0.36	85.64	1000		
9/20/2010	1100	1913	1810.K-HERSE, T.E-2000		39.52	0.70		904.73		
Home 24 - 0000	ALL ALL	TOA								
Arsenty 16 40	d Hardens	- I Pratime	161							
Road District			NAME AND ADDRESS OF	2.2	10.00	4.000	414.44			
9/27/2910	32114	1126	PATHON PLEATER #		10.00	4.00	100.00			

PAGE 2 OF 138

ETOWAH COUNTY - DOCUMENT SET 5-6

1 of 137

Pate	0.110	18	Description	Biste Id	Bate	Usin	Emp Cost	Kqu Cost	Mat Cost	Con Cost
Project ld -28-018 Road Ld - 00003	INTERNIC	IDE PRO	GRAM D	. 10/00/						
Activity M 401	Herbirid	Treatme	est.							
Read District			7.0							
6/23/2016	12114	1012	TRUCK-JEBBICIDE	1	42.01	1.00		\$42.01		
8/22/2016	72168	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
8/22/2016	12164	0814	PICKLP	1	18.02	1.00		\$18.07		
\$(72/2014	72144	1530	CETHERY THOMAS	1	11.66	1.00	\$15.66	-		
0110/2016	73187	1008	TAUTON STEVEN W	1	18.22	0.71	\$12.94			
\$735/2016	12187	1012	TRUCK - US RECTOR	100	19.12	0.71		\$28.06		
Read 1d . 0000	DA AOU	AVISTA	DRE							
Autority M. 481	Bachield	Treater								
Read District										
Articipite	73085	1410	COTTOERY TRADATAS		15.66	0.79	54.55			
471/2004	12000	1017	TRUCK STREET STOL	1.0	43.04	0.29		812.10		
ACTO PARA	711.00	1610	CONTRACT TRACALLS		15.66	0.27	\$12.06	and the		
9/10/2010	72180	1530	COTHERT DODDAS		10.00	6.97	112.00	1713.44		
Burnetta page	12199	1 3 3 3 3 3 3	TRUCK-READING RE-2000		19.54			300.04		
Road He - Debby	Dec MQU	A 11517	Line w							
Activity 54 401	Herbiche	e Tresting	res/i							
Road District	-1				1.000					
6/1/2006	72092	1530	OCTHERY THOMAS	5-C	13.66	0.29	\$4.55			
6/1/2016	15005	1013	TRUCK-PERPICIDE-2000		02.01	0.29		207.18		
9/21/2016	12189	1550	OUTHERY THOMAS		13.04	0.77	\$12.06			
9/21/2016	12189	101.3	TRUCK-HERBOLIDE-2900		39.32	0,77		\$30.44		
Road 1d - 09900	DES ABELI	EDGE D	RIVE							
Activity Id 401	Herbicide	e Treatma	rest.							
Road District	-)	1111	1000 000 000 000 000 000 000 000 000 00	2.0	22042	10002	200			
6/12/2016	72106	1198	TALTON STEVEN W	2	26.45	9.36	\$12.06	2000		
6/17/2016	12106	1012	TRUCK-HERBICIDE	1. C.	42.01	0.38		\$15.97		
Road 1d - 00000	94-1 ABA	MS BOA	40							
Activity 54, 481	Berbicide	e Treslase	ret							
Read District	-7									
6/8/2016	72059	1530	GUTHERY THOMAS	1	15.64	3,71	\$11.12			
6/8/2016	72098	1013	TRUCK-0ERBICIDE-2000	1	42.05	0,71	1222	\$29.83		
9/1/2016	12170	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
9/1/2016	72171	0814	PICKUP	1	18.07	0.43		\$7.78		
9(1/2016	72178	1530	GUTHERY THOMAS	1.5	15.66	0.43	\$8.74			
9/14/2016	72182	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
\$114/2016	72182	1013	TRUCK-HERBICIDE-2000	¥	39.52	8.21		\$28.06		
Read 1d - 00003	MAL ADO	DCK-M/	AND ROAD							
Activity 5d 401	Herbicide	r Treatme	cell .							
Road District	-3									
4/35/2014	73062	1198	TALFON STEVEN W	1	18.22	0.45	\$8.20			
4/25/2016	72062	1012	TRUCK-HERBICIDE	1	42,01	0.45		\$18.91		
3118/2016	72138	11198	TALTON STEVEN W	1.	18.22	0.37	\$6.75			
116/2016	72131	1012	TRUCK-NERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 00000	Sec ALLI	INSTEP	N BOULEVARD							
Activity M 401	Berbicide	Trealma	and the second se							
Read District	-1		5							
4/1/2004	73067	1510	CETTHERY THOMAS	1.5	15.64	0.79	\$4.45			
All Other	72097	1011	TEUCK-367RR/INE-300		42.01	0.75		\$12.00		
Granita .	711.77	1000	TALTING STEVEN W		28.23	10.91	\$17.04			
Wat 2009	101.72	0414	PROVIDE THE W		18.01	4.71	916.51	412.45		
91272098	10110	1474	CONTRACTOR DURING ALL		22.00	4.71	814.35	210.80		
W.0/2010	100.00	13,000	CONTRACT CIRCUMAN		35.84	0.71	616.22			
9/23/2016	12121	15.50	TRUCK AND DO THE	22	20.00	0.45	31671	1000		
STRUES	12194	1013	1700.K-PERMICADE-2000		39,54	4045		911.14		
soud 1d - 0000.	ALL ALL	at at 10	and with the							

Activity M 401 Berbicide Treatment

Road District -3

Date	DJ M		Description	Rate M	Rate	Cloins.	Emp Cost	Equ Cost	Mat Cost Cost Cost
Project Id -28-008 Read Ed - 0000	ALL	IDE PRO	IGRAM RIVE						
Activity 14 40	I Herbicid	e Treatm	ent						
Read District	e-3								
6/23/2016	72110	1158	TALTON STEVEN W	1.2	18.22	0.94	\$16.99		
6/23/2016	72110	1012	TRUCK-HERBICIDE	1. C	42.01	6.91		\$38.25	
\$172016	22157	1118	TALTON STEVEN W	1.1	18.22	0.77	\$14.00		
817/2016	72557	0814	PICKUP	1.0	18.07	0.37		\$13.92	
817(2016	72157	1530	GUTHERY THOMAS	- EC	15.66	0.77	\$13.06		
9/21/2016	72189	1198	TALFON STEVEN W	1.1	18.22	0.65	\$12.00		
9210816	72589	1012	TRUCK-HERBICIDE	1.1	39.52	0.66		\$16.09	
Hand Id - 9900	HI-: ALVI	ERSONI	ROAD						
Activity 14, 40	I Herbicid	· Trustee	1mi						
Boad District	-4								
6/8/2016	72096	1530	GUTHERY THOMAS	1. c	15.66	0.71	\$31.32		
6/8/3016	73094	1013	TRUCK-HERBICIDE-2000	1.5	42.01	0.71		\$29.83	
9/0/2016	72171	1198	TALTON STEVEN W	1.5	18.22	0.43	\$7.54		
95/2016	72171	0814	PECKUP	1.5	18.07	0.03		\$2.78	
9/1/2018	32171	±530	GUTHERY THOMAS	100	15.66	0.43	\$6.74		
9/13/2016	72181	1530	GUTHERY THOMAS	10	15.66	0.59	\$9.24		
913(2016)	72180	1013	TRUCK-HERBICIDE-2000	1.5	39.52	0.99		\$23.32	
Baad Id - 0000	HS-: AND	ERSON	MORGAN ROAD						
Activity 14-40	I. Herbicidi	· Treatm							
Road District	1-1								
5/2/2016	72948	1198	TALTON STEVEN W	12	18.22	1.58	\$27,33		
5/3/3016	73068	0814	PICKUP	1.1	19.21	1.59		\$28.82	
5/2/2016	72068	1350	GUTHERY THOMAS	R	15.66	1.50	\$23.49		
6/28/2016	72119	1198	TALTON STEVEN W	1.5	18.22	0.59	\$10.75		
6/28/2016	72115	0814	PECKUP		19.21	0.99		\$11.34	
628/2916	72115	1130	OUTHERY TIKIMAS	12	15.66	0.19	\$9.34		
Read Id - 0000	49-: AND	ERSON	BOAD						
Activity 14, 401	1 Herbicki	Treatme	ent .						
Road District	1.1								
5/4/3016	72970	1198	TALTON STEVEN W		18.22	1.00	\$18.22		
54/2016	72079	0814	PICKLIP	10	19.21	1.09		\$19.21	
5/4/2016	72970	1530	GUTHERY THOMAS	12	15.66	1.00	\$15.66		
6/1/2016	72992	1530	OUTHERY THOMAS	10	15.66	0.29	\$4.35		
6/5/2016	73992	1013	TRUCK-HERBICIDE-2000	12	42.01	0.29	5772	512.19	
7/28/2016	723.60	1198	TALTON STEVEN W	1.1	18.22	1.00	518.22		
728/2016	72140	0854	PICKUP	123	18.07	1.00		\$18.07	
728/2016	72140	1530	GUTHERY THOMAS	10	15.66	1.00	\$15.66		
9/23/2016	22291	1150	GUTHERY THOMAS	2	32.81	0.45	\$10.27		
9/23/2016	72191	1015	TRUCK-HERBICIDE-2000	1	39.52	0.45		\$17.79	
Read Id - 0000	50-: ANIS	SA DRI	VE		10000	1.000		0.00000000	
Activity 1d 401	I Herbicid	Treatm	ind in the second s						
Read District	1-6		The second second						
4200316	72859	1198	TALTON STEVEN W	R	18.22	0.95	\$10.03		
4202816	73059	1012	TRUCK-HERINCEDE	1.2	42.01	0.55	323 CL	\$23.11	
Road Id - 0000	SI-CANEL	ALANE	- 10 - 10 - CO - C	1.1	122.0				
Activity 14, 400	Harbleide	Treates	and a second sec						
Read District									
420/316	32959	1188	TALTON STEVEN W	10	18.22	0.55	\$20.03		
470/2016	73940	1017	TRUCK-HERBICTOR	1.1	42.01	0.15		\$23.11	
Read Ed - 0000	SS- ANN	A DRIVE	1						
Activity 14 and	I Berbick	Treatm	ini i						
Bood District									
612/2016	77106	1198	TALTON STEVEN W	2 .	26.45	0.18	\$10.04		
617/2016	22106	Dair?	TRUCK-HERBICEDE	1	42.01	0.18	2000	\$13.97	
Band Lt . down	ST. ANN	IE GASE	INROAD	5.0				66556	

Date	DJ M	M	Description	Rate M	Rate	Units	Emp Cost	Equ Cast	Mat Cost	Con Cort
Project M -28-008 Read Ed - 90005	MERSIC 57: ANN	IDE PRO	IGRAM CIN ROAD		-2,227	21010	34254-541	- 400/20	1949-0034	2012-019
Activity Id. 401	Herbicki	e Treatme	end							
Road District	-3	100	1							
6/14/2016	22188	1196	TALTON STEVEN W		18.22	0.58	\$10.57			
6742006	72100	1012	TRUCK-HERBICIDE	100	42.01	6.58		\$2437		
9252846	32191	1198	TALTON STEVEN W	3	26.45	0.55	\$14.82	1.000		
9/23/2016	72190	6012	TRUCK-HERBICIDE	1.	39.52	0.56	141.0149	\$22.14		
Boad 54 - 0000	St. ANN	IE GASE	ON SPUE		20000	0.000		0.0000000		
Activity Id. 401	Herbield	Treatme	ten i							
Road District	.1		The second second							
6/14/2016	72985	1198	TALTON STEVEN W		18.22	0.58	\$10.37			
6/14/2016	72100	1012	TRUCK-HERINGTON	1.0	42.03	6.58		\$34.37		
0/23/3044	221994	1198	TALTON STEVEN W		36.45	0.55	\$14.82			
9/23/2016	22190	1012	TRUCK AND DECEM		39.62	0.54		\$22.14		
Road Ld . 00004	OL APPA	LACIE	ANDIGHTAY							
Activity \$4,401	Harbleid	Terrine								
Read District										
6/0/1016	23021	1198	TAUTON STRUCK W	122	18.22	0.81	814.13			
6/5/2016	22615	0414	PROFESSION AND THE PROFESSION		19.14	0.03	40.000	100.04		
5000016	22022	14340	CONTRACT VINCASUS		15.66		\$13.00	Arrest		
573/2016	73078	1108	TAUTOR STUDIES		26.42	2.55	246.13			
4013/2010	120/18	dana	INCOME STRATES IN		10.42	3.60	306.1.5	848.00		
4212/2016	drawing.	14140	CONTRACTOR VIEW AND		40.00	9.55	817.00	246.03		
7/10/2010	101110	1100	CETHERY THROUGH		10.00	4.54	44.00			
7000046	723.92	1590	THE REPORT OF AND		12.00	1.00	20.00	615.60		
211922016	121.52	100.0	TAL DOWN OT TAKEN MY		39.52	4.05	10.000	\$12.94		
82372019	72304	11998	TALFON STEVEN W		18.22		214.05			
8/23/2016	72104	1010	PRACE	100	18.00	0.77	817.00	30.59		
8/25/2016	72104	1200	OUTHERY THOMAS		15.00	0.77	\$12.95			
8000016	72508	1198	DALISIN STENDS W		18.22	0.77	214.03	Carrier Co.		
800/2018	72168	0818	PICKOP		18.07	0.77		20.90	100 Million (1997)	
800/2016	72168	0021	HERRICEDE-GARLON J-A	GALLON	32.99	1.50			549.45	
8/10/3016	72168	0910	HERITIK, EDG-MEMAA (TARGE)	CALLION	21.49	1.50			\$32.19	
8/30/2016	72168	2000	WATER.	CLAL	0.00	75.00	1.000		20.06	
800/2016	72168	1530	OUTHERY THOMAS		-15.66	0.77	\$12.96			
9202016	72188	1198	TALTON STEVEN W		18.22	1.00	\$18.22	12000		
9/20/2016	72188	0814	PICKUP		18.07	1.00		212.07	and the second	
9/20/2016	72188	4921	HERBICIDEGARLON 3-A	GALLON	32.99	2.00			\$45.98	
9202016	72188	0910	HERBICIDE-MSMA (TARGET	F GALLON	21.46	2.00			\$42.92	
8303016	72188	2900	WATOR.	GAL.	0.00	108.00	100000		\$0.00	
9/20/2016	72188	1330	OUTHERY THOMAS	F	15.66	1.00	\$13.66			
903/2016	72196	1530	GUTHERY THOMAS		15.66	0.54	58,46			
903/2016	72196	1013	TRUCK-HERBICIDE-3000	1. j	99.52	9.54		\$21.35		
9/27/2016	72196	2900	WATER	GAL	0.00	2,000.00			\$0.08	
9/27/2016	72296	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	38.00			\$989.70	
9/27/2016	72196	0928	HERBICIDE-GROUND ZERO	PINT	8.71	2,00			\$17.42	
9/27/2016	72196	0833	HERBICIDE-FOAM BUSTER	QT	5.15	9.25			\$1.29	
9/29/2016	72198	11598	TALTON STEVEN W	1	18,22	1.50	\$27.33			
9/29/2016	72198	0914	PRIKUP	1	18.07	1.50		\$27.11		
9/29/2016	72198	1530	GUTHERY THOMAS	£	15.86	1.50	\$23.49			
Road Id + 00000	G-∈ AQU.	A VISTA	ROAD							
Activity M 401	Herbick	Treatme	(Ad							
Read District	-2									
6/1/2066	72092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2006	72082	1013	TRUCK-HERBICIDE-2000	1	42.09	0.29		\$12.19		
9/21/2016	72189	1530	GUTHERY THOMAS	1.0	15.66	4.77	\$12.96			
921/2016	72189	3813	TRUCK-HERBOIDE-3000	1	39.52	0.77	0.000	\$30.44		
Read Ld + 00004	ALC ADO	II DRIVE	and the second second second second	26.5	200111	2000		AVAPPA.		

Activity M 481 Herbicide Treatment

Bate Project Id - 28-018-0 Read 1d - 000064 Activity Id 401 Read District - 4/26/2016 4/26/2016 3/26/2016	BJ M MERBEC MERBEC Merbicide 4	H DE PRO I DRIVI	Description GRAM	Rate 14	Raty	Units	Exp Cost	Eqs Cort	Mat Cost	Con Con
Project Id - 28-018-3 Read 1.d - 000064 Activity Id 401 Read District - 4/26/2016 4/26/2016 3/26/2016	HERRICI I & ARCI Herbicide 4	DE PRO	GRAM							
Activity Id. 491 Read District - 4/26/2016 4/26/2016 1/26/2016	Herbicide 4									
Road District - 4/26/2016 4/26/2016 3/26/2016	4	Treatme	aut.							
4/26/2016 4/26/2016 1/26/2016										
4/26/2016	72063	1158	TALTON STEVEN W	1.2	18.22	0.58	\$9.18			
3/26/2016	72963	1012	TRUCK-HEROICEDE	1.2	42.01	0.50		\$21.64		
	12138	11108	TALFON STEVEN W	1.5	18.22	0.91	\$16.59			
2/26/2016	22138	1012	TRUCK-HERBOTH	10	39.52	0.91	Access	\$35.90		
Read \$4 - 000071	+ ART	ERLAS	NE	2.00						
Activity 14, 401	Herbickle	Trealme	ad .							
Band District	1		Supervision of the							
5/3/2016	72669	1198	TALTON STEVEN W	8 ·	18.22	0.76	\$13.85			
\$(3/3016	73569	0814	PICKUP	10	19.21	0.36	0.000	\$14.68		
8/3/2016	72049	1550	CUTTERS Y TECHAN		15.66	0.36	\$21.91	0.000		
6/28/2016	12115	1198	TALTUN STEVEN W		18.22	0.55	\$10.21			
6798/19814	22214	0614	196730119	100	19.21	0.55		\$16.76		
6/28/2016	22111	8915	HERRICEDE ANNALYTARIA	TGALLON	21.46	4.00			105.04	
6.08/3916	23114	0014	self-brinkmenter, met selvest at	GALLON	18.00	1.00			118.00	
4298/2016	231114	2000	WATTE	(TA)	0.00	100.00			\$3.00	
6/26/2016	72114	1530	COLUMN V THE MANY	i i	15.65	0.56	100.00		10.00	
Band I.4 - 000871	LANDING AND	ALC: N. D.	OAD	1. C	10.000		100/11			
Activity 14 -401	Blackining	Terrature	at .							
Read District										
633/3016	210.77	1100	TALING STRUCK IN		10.77	0.95	\$10.00			
5/17/2016	23022	0815	PROVIDE ALL PROVIDE IN	19	19.21	6.45		\$16.17		
573/3616	12077	11.20	CONTRACTOR V TRACTAGES		15.66	8.55	44.43			
62423416		1100	TAL STRUCTURE AND		36.05	0.50	813.23			
4/24/2014	73117	init.	TRUCK ARRINGTON		42.01	6.55	417.23	471.04		
0.2422010	710.04	1100	TALING STEVEN W		18.27	6.95	496.418	201.01		
01000000	711.18	10010	DALARDA ALE TEX III		10.00	0.55	- 49-316	-00.04		
ACREATE.	121.28	1174	CONTRACTOR OF A CONTRACT		15.55	0.00	200300	10.00		
8182210	72128	1104	TAL NON STELEN W		18.72	6.71	617.04			
9162310	22104	1000	TRUCK AND THE W		36.65	6.71	312.04	20104		
Read Ed. 000034	LA ASSE	ALL N.C.	A COMPANY AND A COMPANY	5.1	20.04	6.11		202.00		
Autors 14 Aut	March Lol R.	Trents	a contraction							
Read District		11111111								
Annual Destrict -	*****		TALLING STREET, ST.		10.00		114 B.			
CHINGS IN	22404	1000	TALIUM STEADS W		43.04	0.99	310.35	104.00		
0022015	12078	1110	TALLOW STEVEN IN	122	10.01	6.71	813 64	375-22		
91222916	72140	1170	THINK HEREY	10	10.00	6.71	312.74	414.04		
Williams	- A1104	NEX DO	TRUCK-HERENCEDE	1.1	29.54	0.11		305.99		
Automatical and and	No. ALCON.	Transfer State								
Advid to 441	eservices of	111000								
Hotel Destrict	22242	11110	TAL YON STREAMS IN		18.22	10.00	1000			
52,02215	22111	1000	TRUER ATTACK	1.0	43.00	0.59	20.11			
10,00010	72133		TALLOW STRUCK IN	1.1	10.00	6.99	Sec. 101	441.01		
81222010	21147	0010	DALTUS STRVES W	20	10.00	0.77	814.00	411.01		
art totals	121.27	1474	CONTRACTOR OF THE OWNER OF	10	15.64	6.77	813.04	913.34		
81122916	74157	1100	GUISBAY TIKMAS		12.50	0.17	512.00			
9/21/2016	72389	1198	TALIUS STEVEN W		10.00	0.08	312.03	#744 min		
W210010	22100	Distance.	TRUCK-HEROKEDC		39.54	0.00		350.09		
Haad bd - 000077	AVIS	DRIVE								
Activity 1d 400	Sker backle	1110000								
Road District	Martin	parties.	CO. DESCRIPTION OF THE REAL OF	a. 1	144.94	4.24	100			
6/21/2016	72114	1539	UUTHERY THOMAS		13.66	0.58	29.14	1. No. 1. No. 1		
9/2712916	72154	1013	181X, K-HEKER, 428-2000		42.04	0.24	100.00	974 LA		
929-2916	72795	1100	GUIDIDLY TROMAS		13.60	0.95	\$5.64	-		
W26/2916	11140	101.3	TRUCK-HEROBE 200-	5. C	19.52	6.36		314.23		

Activity 14 401 Herbicide Treatment

Date	0.7 54	M	Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cost Cost Cost
Project 54 - 28-018 Read 54 - 0000	MERBIC	IDE PHO	GRAM CHAPEL ROAD	00070	107.95			190293	
Activity 1d -401	Herbicid	Treatme	unit.						
Road District	-2	2200							
3/22/2006	72199	1198	TALTON STEVEN W	10	18.22	0.77	\$24.00		
10720604	221326	1012	TRUCK ADDRESS	100	39.52	6.77	20000	\$10.4F	
3/72/2016	911.30	moh	DESCRIPTION APPARA (TAD/201	TRUE FOR	11.44	7.66			\$161.91
Architect.	491100	0014	LINE ROOM AND	CALLON:	10.00	1.54			5135.00
7727129495	120.79	0070	HEREFORD CROSSES TORIGON	and a second	4.00	1.00			44.51
7/2/12/19/	723.29	100.08	HERBICIDE-GROOND ZERO	1000	8.75	1.00			39, 11
N2112P19	723.39	2000	WALLE	0.42	8.00	2,000.00			30.00
Moved to - 00000	SIS BAN	ER ROL							
Activity fill 401	Herbecke	e Treatmo							
Hoad District	-3		and the feature of the second second second second	1.1		100			
6/13/2016	72982	1198	TALTON STEVEN W		18.22	0.55	210.03	122007	
01303010	72192	1012	TRUCK-HERBICRNE		42.01	0.55		\$21.11	
9(23)2016	72391	1198	TALTON STEVEN W	2	26.45	0.56	\$14.82		
9232946	72191	1012	TRUCK-HERBICIDE	E	39.52	0.56		\$22.14	
Boad 14 - 0000	83-: BALI	LANGER	LANE.						
Activity M 400	Berbicid	e Treatme	et .						
Boad District	-3								
6/23/2916	22111	1198	TALTON STEVEN W	1.5	18.22	0.50	\$9.11		
6/23/2914	72111	1012	TRUCK-HERBICKIE	1.1	42.01	0.50		\$21.01	
9/26/2016	72199	1198	TALTON STEVEN W	1	18.22	0.66	\$12.80		
9/26/2916	72198	1012	TRUCK-HERBICIDE	E	39.52	0.66		\$26.09	
Read Id - 00000	84 ; BAL	LARD RI	DAD						
Activity 14 -400	Herbicia	Trents	and the second se						
Read District									
8/23/2016	22142	1198	TALTON STEVEN W	100	18.22	6.52	\$2.48		
8/23/2016	72163	dens.	PICKUP		18.07	0.52		\$9.40	
8/23/2014	22143	1150	OUTBERV TIKIMAS	1.1	15.66	8.52	59.15		
Band Ld . 0000	ST. BAM	ALANE	Contractor antenario						
Activity 14 and	Barbleich	Territor	-						
Read District									
40803015		1100	CRITISEN'S TRACKS		12.66	0.00	10.04		
2010/2010	10008	1007	TRUET AND DESCRIPTION		45.01	0.00	21.00	****	
1000000	12038	100.0	CONTRACTOR NUMBER OF CONTRACTOR OF CONTRACTO		42.01	0.20		209.37	
2020/2016	723.30	1300	OUTHERY DROMAS		32.81	0.59	313.49		
7122/2016	72135	1013	TRUCK-HEILBRIDE-2000		39,52	8.99		WD/3d	
8/36/2016	72168	1198	TALION STEVEN W		18.22	0.71	312.94	1000	
8303019	72168	0814	PICKUP		18.07	0.74	1000	\$12.80	
8263018	731144	1130	OUTHERY THOMAS		15.66	0.71	\$11.12		
Hould Ld = 00009	91- BAR	KS DALE	ROAD						
Activity 34, 401	Berbicid	e Treatme	94						
Road District	-1								
6/2/2016	72993	1158	TALTON STEVEN W	- C	18.22	2.99	\$45.55		
6/2/2016	72099	1012	TRUCK-#FRIDUDE	1	42.01	2.50		\$103.63	
6/7/2016	72097	1128	TALTON STEVEN W	1 C	18.22	2.00	\$36.44		
6/7/2016	72097	1012	TRUCK-HERBOTIDE	the second	42.01	2.00		384.62	
6/7/2016	72097	0910	HERBICIDE-MSMA (TARGET	GALLON	21.46	15:00			\$321.90
6/7/2016	72097	0916	HERBICIDE-DEURON 4L	GALLON	18.00	15.00			\$270.00
6/7/2016	72097	0528	HERBICIDE-GROUND ZERO	PINT	8.71	1.00			\$8.71
67/2016	12097	2000	WATER	GAL.	0.00	2,008.00			\$0.00
914/2016	72182	1198	TALTON STEVEN W	1	18.22	8.37	\$14.00		
9/14/2016	72182	1043	TRUCK-PERBICIDE	100	39.52	4.22		\$30.44	
Hoad Id - 0000	PR-: ILLAN	ON FEB	RY BOAD						
Artisty 51 400	Rethink	Transferre	and the second se						
Read District	.1		TT						
7/16/2016	231.33	11220	CETTINENT THEMAN	1.12	12.46	0.78	21.54		
2020020044	20135	1013	TRUE WORKS IN COMPANY		39.43	6.78		\$11.00	
defendent d	00104	1010	CONTRACTOR DECADE		22.04	0.41	44.74	41.154	
2111111111	101.99	1,1,767	PROTEIN THE WAYS		11,00	1.4.5	100.00		

Date	DJ M	M	Buscription	Rate M	Hate	Units	Emp Cost
Project Id -28-818	HERBO	106 PRO	GRAM		-0.55 Lint		1.000
Read 5d - 0900	98-: BASP	ON FEB	RY ROAD				
Activity Id. 401	Herbick	e Treatmo	cut.				
Road District	-2						
\$27(2006	72196	3013	TRUCK-HERINCIDE-2000	1.0	39.52	6.43	
Road 1d - 9900	91+ BAT	ILES IIC	ALD .				
Activity M 401	Herbicid	e Treatme	red				
Read District	-3						
6/17/2016	72106	1198	TALTON STEVEN W	R-1,	35,45	0.38	\$10.06
6372916	72906	1012	TRUCK-HERINGEDE	1 B ()	42.01	0.38	
Read Id - 9900	13-: BEA4	GLE BOA	AD				
Activity 1d 401	Herbicid	e Treatme	101				
Road District	-4						
9192816	72187	1198	TALTON STEVEN W	£	18.22	8.71	\$12.94
9192916	72187	1012	TRUCK-HERBICEN.	E	39.52	0.71	
Read Id - 0000	04+: BEAS	IRD BOA					
Activity M 401	Herbicid	Texation	and the second se				
Road District	-2						
5/5/2018	72071	1198	TALTON STEVEN W	E	18.22	0.87	\$15.86
5/5/2016	72971	0814	PICICUP	10	19.21	0.87	
5/5/3014	72071	0990	HERBICIDE-MSMA (TARCE	TGALLON	21.46	1.00	
5/5/2016	72079	2000	WATER	GAL.	0.00	60.00	
5/5/2016	72971	1530	GUTHERY THOMAS	1	15.66	0.87	\$13.63
6/24/2016	72112	1550	GUTHERY THOMAS	2	22.81	8.52	\$11.87
6/24/2016	72112	1013	TRUCK-HERBICIDE-2000	1	42.01	0.52	
8252916	72164	1158	TALTON STEVEN W	- E	38.22	8.27	\$14.03
8/25/2016	72164	0814	PECKUP	1. C	18.97	8.77	
8/25/2016	72164	1:130	GUTHERY THOMAS	1	15.66	0.77	\$12.66
Road Id - 0000	06-1 BEAS	SLEY BO	ALD .				
Activity 54 -400	Herbicid	Treatme	let let				
Road District	-4						
4/15/2016	72958	1198	TALTON STEVEN W	1.	18,22	0.52	\$9.45
4/19/2016	72958	100,2	TRUCK-HERBCIDE	1.1	42.01	0.52	
7/19/2016	72132	1198	TALTON STEVEN W	1	18.22	6.36	\$6.56
7/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36	
Hand Id - 0001	13-: BEEG	II STRI	RT				
Activity 14 400	Herbicide	Treatme	and the second se				
Road District	-3						
6/15/2016	72104	1198	TALTON STEVEN W	1. C	18.22	0.43	\$7.84
6/15/2016	12104	1012	TRUCK-HERIOCEDE	1	42.01	0.43	
Road Id - 0000	164 BELI	AMY R	OAD				
The second se							

Activity 3d 401 Herbicide Treatment Road District -3

6212016	72109	1198	TALTON STEVEN W	1	18.22
6210016	72109	1002	TRUCK-HERBICEDE	E	42.01
9060916	72198	1198	TALFON STEVEN W	E	\$8.22
9262016	72195	1012	TRACK-HERBICIDE	1	39.52
Road 1d - 0001	184 NOR	TH BELL	MONT DRIVE		
Activity M 400	Herbicide	Treates	eef .		
Read Distances					

Road District - 2 1150 **OUTHERY THOMAS** 15.65 0.66 \$10.34 421/0016 72960 ŧ. 0.66 E. 42.01 4/21/2016 72068 1013 TRUCK-HEILBICIDE-2000 E. 9/1/2016 72171 1198 TALTON STEVEN W 18.22 6.43 \$7.84 18.07 6.63 9/1/2016 72171 0854 PICKUP. £. 15.66 6.43 \$6.74 91/2018 72571 1130 E **OUTHERY THOMAS** 72180 GUTHERY THOMAS £. 15.66 0.55 \$7.83 915/2014 1130 915/0016 12183 1013 TRUCK-HERBICEN-2000 E .: 39.52 8.50

Boad Id - 0001194 SOUTH RELMONT DRIVE

Activity Id 401 Blochicide Treatment

Mat Cost Cost Cost

Equ Cost 1

\$17.00

\$15.97

\$28.66

\$16.72

\$21.85

\$13.50

\$21.85

\$14.23

\$18.07

\$23.11

\$75.09

\$27.73

\$7,38

\$19.36

\$10.00

\$12.80

6.55 8.55

2.65

0.66

\$21.46 \$3.00

Date	TAP IN	. H	Description	Marie Id.	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Casi
Project M -28-015	HERBIC	IDC PRO	IGRAM	1						
Road M - 0001	194 800	TH BELL	MONT DRIVE							
Activity Id. 40	I Herbicid	e Treatm	raid							
Read District	1-2									
423/2006	72060	1530	GUTHERY THOMAS	10 C	15.66	0.85	510.34			
4/21/2016	72060	1013	TRUCK-HERBICIDE-2008	- C.	42,01	0.66		\$27.73		
9/1/2016	72171	1198	TALTON STEVEN W	- E	18.22	6.43	\$7.84			
9/1/2014	72171	0834	PICICUP	10	88,07	0,43		\$7.78		
9/1/2016	72171	1538	GUTHERY THOMAS		15.66	0.45	\$6.74			
9/15/2016	72143	1536	OUTHERY THOMAS	8.2	15.66	0.59	\$7.83			
915/2016	72183	2013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Ed - 0001	28+: BEN	WOODI	ROAD							
Activity 1d 40	I Herbield	e Treatm	test							
Road District	4									
425/2816	12062	1198	TALTON STEVEN W	100	18.22	0.45	58.30			
6252816	72962	1912	TRUCK-HERBICIDE	10 C	42.01	0.45		\$18.91		
7/26/2016	72138	1158	TALTON STEVEN W	1.1	18.22	6.91	\$16.99			
7263916	72138	3012	TRUCK-HERINGEDE	1	39.52	0.95		\$33.97		
Read Ed - 0000	21-c HEN.	JAMEN B	RIVE							
Activity 14 40	I Herbició	Treatme	rat							
Road District	1.2	1000								
6/8/2016	12098	1100	GUTHERY THOMAS	1.	15.66	6.71	\$11.12			
6/5/2018	72998	1013	TRUCK-HERBICEN-2000	1.1	42.01	0.71		\$29.85		
Hand Id - 0000	22- BENS	SONDE	IVE	215		12200				
Activity 14, 401	Herbirid	. Treatm	and the second se							
Read District	-7		27							
6/8/2016	72004	1130	GUTHERY TIKIMAS	1.2	15.66	0.71	\$11.12			
6/8/2016	224948	1513	TRUCK-HERBICKNE-2000		47.01	0.71	211-11	\$25.81		
9/1/2016	72171	1198	TALTON STEVEN W	100	18.22	8.43	\$7.84			
9/1/2014	21174	10014	PERCENT IN	100	18.07	6.41	1.000.004	87.78		
0/2/2016	354.94	+120	CETTIERY TROUGSS	1.0	15.66	0.43	36.74			
1012/0016	99.994	1100	CONTRACT TRANSPORTS		15.66	0.00	50.74			
0030016	111080	1000	TRUCK AND DODD		30.00		100.00	000.00		
Band Id . 0000	NA. DERI	IV BOA	TRUCK-PERIOR, EDC-2000	1.1	34.55	8.39		201.74		
Automa to - oper	A Withhold	A DOCT								
Activity of the										
Kond Destroit		1.000	TAX STRATETING AND			4.00	10.04			
4/18/2016	74907	a street	THE POINT OF A DECEMBER OF	100	43.44	4.45	377.40	and an		
4/18/2018	74957	1100	TROACK-PRODUCTION		42,01	0.04	44.00	211.05		
9/23/2010	701100	1105	TALION STEVEN W		18.62	0.45	56.70			
9023/2019	123.9%	ALCONTRACT.	TRUCK-PERIOD.SPE		39.52	0.42		30.07		
Houd Id - 0008	and BILL	A Soliri	H DIG VE.							
Activity 8d 400	Herbicko	e Treatuse	card and a second s							
Road District	- 1									
6/23/2016	72111	1198	TALIUN STEVEN W		18.22	0.50	20.11			
4/33/2010	72111	1012	TROCK-HERBRIGHTER		42.01	0.50	3.2.C.	321.01		
9/26/2016	72198	1198	TALFON STEVEN W	1. C	18,22	2.85	\$12.00	- And Call		
926/2016	72195	1912	TRUCK-HERIDCENE		39.52	8.66		\$28.09		
Road Id + 0008	41-1 BISH	OP BODA	D .							
Activity 13 40	1 Herbicide	e Treatme	cert .							
Read District	-4				1000 C		10000			
5/2/2016	72968	1198	TALTON STEVEN W		18.22	1.00	518.22	1000		
5/2/2084	72068	0814	PICKUP	- B	19.21	1.00		319.21		
5/2/2094	72968	\$130	GUTHERY THOMAS	- C.	15.66	1,00	\$15.66			
Road Id - 0005	IG-(BLAG	CK BOT	TOM ROAD							
Activity Id 400	E Berbicidi	e Trustme	carit .							
Road District	-4									
6030046	72314	1198	TALTON STEVEN W	E	18.22	1.00	\$18.22			
6/27/2016	72114	1012	TRUCK-HERBICIDE	1	42,01	1.00		\$42.01		
8/22/2016	72161	1198	TALTON STICKEN W	1 I	18.22	1.00	518,22			

1228-1	10223	- 201	220302011	9253320	1223	12.20	1211-211-0	202203	1000	10021
Date	DUM		Description	Harte M	Rate	Cuity	Emp-Cove	Equ Cost	Mat Cost	Con Cost
Project 1d -28-858 Read 1d - 9900	42-1 BLA	IDE PRO CK BOT	GRAM TOMIROAD							
Activity Id. 401	I Herbield	e Treatme	test in the second s							
Road District	-4									
8/22/2016	72363	0814	PICKUP	1.	18.07	1.00		\$18.07		
8/23/2016	72361	1130	GUTHERY TIKIMAS		15.66	1.60	\$15.66			
9/19/2016	72187	1198	TALTON STEVEN W	E	18.22	8.27	\$14.03			
9192816	72187	1012	TRUCK-HERBICEDE	E	39.52	0.77		\$30.44		
9152016	72187	0921	HERBORDE-GARLON 3-A	GALLON	32.99	15.00			\$494.85	
9/19/2016	72187	0928	HERBICIDE-GROUND ZERC	PINT	8.71	1.00			\$8.71	
9/19/2016	72187	2000	WATER	diat.	0.00	2,008-00			\$0.00	
Road Ed - 0005	43-; BLA	CK CRE	EK ROAD	2003.0	1000					
Activity 14 400	Herbield	· Treating	and the second se							
Road District	-1									
4/8/2016	222004	1150	GUIDERY TIKIMAS	1.1	15.66	0.71	\$15.12			
6/8/2016	22094	1013	TRUEX-AFFRRICTOR-2000	1.1	42.03	0.71		\$29.83		
9/1/2016	22121	1118	TAUTON STUVEN W	1.0	18.22	0.41	\$7.54			
10/1/10/14	21121	0414	PROPERTY AND A DESCRIPTION OF	- 22	18.07	0.45	2.040044	\$2.78		
0/1/2016	22020	1170	CONTRACTOR OF THE OWNER		15.66	0.45	42.14			
01412014	111081	1110	CONTRACT TRACAS		15.44	4.97	\$12.04			
01002010	71100	1000	TRUCK ARRENTS AND		10.00	4.75	314.00	110.44		
0140016	20140	hone.	TRUCK - PERIODAL - PROF	Cat	0.00	3 000 00		200.00	20.00	
0140016	101.00	2000	MATER CARLINS AND AND AND A	CARL ON	10.00	2,000.00			4040 74	
91942016	72102	100.23	HEADE-ONICON 3-A	CONLLOOM	34.99	2.00			813.45	
9140016	72182	0928	HERBICEDE-GROCIND ZEG	11512	8.73	2.90			110.00	
914(016	12102	0953	HERBICIDE-FOAM BUSIER	- 01	5.15	9.25			31.29	
No.ed Ed. + 0000	45+ BLA	CROEL.	LIEGAD							
Activity M 400	Elertricid	e Treature	iad .							
Read District	- 1		Contraction of the second second	1.5	1.00	1000	000000			
6/8/2016	72094	1330	OUTHERY THOMAS		13.66	0.71	311.12	1000		
6/8/2016	72098	1013	TRUCK-HERIORCIDE-2000		42.01	0.74	1.1.4	158-10		
9/1/2005	73574	1198	TALFON STEVEN W		18.22	0.40	\$7.84			
9/1/2086	12111	0814	PICKUP		18.07	0.0	2000	\$2.78		
9/1/2016	72171	1330	OUTHERY THOMAS		15.66	9.49	56.74			
9/13/2016	73181	1530	OUTHERY THOMAS		15.66	0.59	\$8.24			
9/13/2016	72181	1013	TRUCK-RERBICIDE-2000	1	39.52	8.59		\$23.32		
Road Id - 0008	47-; BLA	NTON B	DAD							
Activity 31 401	1 Herbicid	e Treates	ead -							
Read District	-1									
7/18/2016	71134	1330	OUTHERY THOMAS	1	15.66	0.66	\$10.34			
2/18/2016	72131	31013	TRUCK-HEMBICIDE-2000	E	39.52	0.66		\$26.09		
9/2/2016	.73172	1198	TALTON STEVEN W	L	18.22	0.71	\$12.94			
9/2/2016	72172	0814	PICKOP	1 C	18.07	10.73		\$12.83		
9/2/2016	72172	1530	GUTHERY THOMAS	2	22.83	0.71	\$16.20			
915/2016	72180	1530	OUTHERY THOMAS	1	15.66	0.50	\$7.83			
913/2016	72183	1012	TRUCK-HEIRICIDE-2000		39.12	0.50		\$19.76		
Road 1d - 0000	48 ; BLA?	NTON B	OBERTSON DRIVE							
Activity 51 400	1 Herbicid	Treatmin								
Read District	-4									
5/12/2016	73977	1196	TALTON STEVEN W		18.22	0.55	\$10.03			
1/12/2016	12677	0815	PICKUP	1.2	19.21	0.55		\$10.57		
5/12/2018	22022	1530	OUTHERY THOMAS	1	15.66	0.55	\$8.62			
8/18/2016	72138	1198	TALTON STEVEN W	1	18.22	0.50	\$9.31			
8/18/2014	72156	0814	PEXUP		18.07	6.50		\$9.64		
\$/18/2014	721.58	1530	OUTHERY THOMAS		15.66	# 50	\$7.83			
Band Id - 0000	23. BLO	ODWOR	THROAD			0.000				
Activity 54 and	Harblers	Treater	and the second se							
Read Distance	-3									
601325016	77104	1.000	TALTON STEVEN W		36.45	4.74	\$10.56			
4/17/2016	72144	1040	THEN'S ADDRESS		43.03	1.14		\$11.07		
ALC: U.S. 191	12100	1012	A NUMBER OF THE OWNER.		42.01	9.08		812.91		

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ETOWAH COUNTY - DOCUMENT SET 5-6

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Report Id: Rpproft2.ept

Date	BJ M		Description	Rate M	Rete	Units	Emp Cost	Equ Cost	Mat Cost	Cos Cost
Project 14 -25-015	MERIC	IDE PRO	GRAM							
Boad 5d - 6005	49: BLO	NO-WOR	TH ROAD							
Activity Ed. 401	Herbicki	Treatme	tert							
Road District	-3									
9/22/2016	32196	1194	TALTON STEVEN W	1.1	18.23	0.45	\$8.20			
9/27/2016	72196	1012	TRUCK-HERBICIDE	1.1	29.52	0.45		\$17.79		
Hand Ed - 0000	55-1 BLVI	THE MC	DANIEL DRIVE							
Activity 14 401	Herbick	Trestme	end i							
Road District	-1									
7/19/2016	72132	1530	GUTHERY THOMAS	1.1	15.86	0.38	\$3.96			
7/19/2016	72532	1013	TRUCK-HERBICENE-2000	1	39.52	6.36	22.2	\$15.62		
9212016	22296	1130	OUTHERY THOMAS	1	15.66	6.43	\$6.74	1992		
9/21/2016	72196	1015	TRUCK-HERINGER-2000	1.1	29.52	0.43	1.52.52	\$17.00		
Band Id - 0000	64: BOLT	ION STR	UNET	- 000	0.015	1.000		1.0000		
Activity 14, 400	Herbield	Treatme	and the second se							
Road Bistrict	.1									
6/1/2016	12003	1110	GUTHERY TROMAS	63	15.66	0.79	44.45			
60.0016	73003	1015	THE STR. AREA DOI THE. MICH		47.01	8.79		\$17.15		
0/21/2016	12000	1130	COTTINENT TIMAGAS		22.81	0.41	100.77			
921/3910	221623	1000	TRUCK AND DOUGHTS		10.07	8.45	arear	\$17.79		
Build Ld - MORE	DALTS	ALC: NO. O	TRUCK-TEXACLE-100	* n	39.24			311.27		
Autority 14, 450	Statistics	Territor	A. 4.							
Activity 10 -400	1 DEFEDENCES	C B PERMIN								
Contractor	TRACES.	1400	CONTRACTOR OF TAXABLE	11	18.66		80.34			
00000010	ATT A	1100	OUTREAT THOMAS	10	43.00	0.77	34.24	ALC: 10.		
602.02916	72114	100.0	TRUCK		42.01	0.79		201.79		
9/26/2016	72190	1530	OUTBERY TIKMAS	10	12,09	0.20	20.84	#14 TO		
926/2016	72199	100.0	180.0.K482318L3DE2000		19.52	8,28		514.21		
Hourd 10 - 0000	674 800	ALE ST.	RELI							
Activity 14 400	Burbicida	Tetatine	140							
Road District	4		The set of the set of the set of the set of the set		Constant.	1000	1000			
7/19/2010	729.92	11148	TALION STEVEN W		18,22	8.36	36.38			
7/19/2016	721.32	1012	TRUCK-HERBORIE	5.1	79.52	8.35		314.23		
Road Ed - 0008	713 8001	IWILL	ROAD							
Activity \$4-400	Herbicide	Trentme								
Road District	-3	1.57		- 201	10.025	10296	11000			
6/16/20116	72395	1198	TALTON STEVEN W	1.0	18.22	8.58	\$10.57	122423		
6/16/2016	72105	1012	TRUCK-HERBICIDE	8 - C	42.01	0.58		\$24.37		
Hoad Id - 0008	734 BRA	prompt	HOAD							
Activity M 400	t Berbicida	Treatme	ad .							
Road District	-4									
5/12/2016	73977	1198	TALTON STEVEN W		18.22	0.55	\$10,03			
5/12/2016	72077	0815	PECKUP	1.5	19.21	0.55		\$10.97		
5/12/2016	72977	1130	GUTHERY THOMAS	- E	15.66	0.55	58.62			
6/24/2016	72512	1198	TALTON STEVEN W	2.	26.45	0.50	\$13.23			
6/24/2016	72112	109.2	TRUCK-HISIDICEDE	1	42.01	0.50		\$21.01		
\$23/2016	73162	1198	TALTON STEVEN W	1. C	18.22	0.52	59.48			
\$332916	72162	0814	PICKUP	1	18.07	0.52		59.40		
8/23/2016	72962	1550	OUTHERY THOMAS		15.66	0.52	\$8.15			
9/16/2016	22184	1198	TALTON STEVEN W	8	18,22	0.71	\$12.94			
9/16/2010	72184	1012	TRUCK-HERBICIDE	8	39.52	0.71		\$28.04		
Road Ed - 0008	77-: BRA2	S CHAI	PEL ROAD							
Activity M 401	Herbicide	Treatme	ad .							
Road District	-3									
6/10/2018	73100	1198	TALTON STEVEN W	2	25.45	0.55	\$14.02			
6/10/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$22.27		
9/8/2016	73177	1198	TALTON STEVEN W	6.5	18.22	1.00	\$18.22			
9/8/2016	72177	1002	TRACK-HERBICEDE	1	39.52	1.00		\$19.12		
Hoad Ed - 0000	80-; BRE?	TWOO	DDRIVE		0.000			1000.454.M		

Activity Id. 401 Blerbicide Treatment

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Mat Cost Cost Cost Date that he ы **Description** Rate M. Rate Units Kaup Cost. Eqs Cost Project Id -28-038-IMERBICIDE PROGRAM Boad 5d - 800180-: BRENTWOOD DRIVE Activity 1d 401 Herbicide Treatment **Boad District -2** 6/10016 12097 **GUTHERY THOMAS** 15.66 6.55 \$3.35 1130 ÷ 6/7/2016 1 42.01 6.55 \$22.27 73907 1013 TRUCK-HERBICEDE--2000 9/36/2006 12195 1530 GUTHERY THOMAS 1 15.66 0.36 \$3.64 9/06/2016 221948 6515 TRUCK-HERBICIDE-2000 ١. 39.52 0.36 \$14.31 Read Id - 000181-: BREWER ROAD Activity 1d 401 Herbicide Treatment **Road District** -2 7182005 15.66 0.66 \$10.34 72134 1530 GUTHERY THOMAS к 7/18/2016 0.66 \$14.09 721134 1013 TRUCK-HERBICIDE-2000 1 39.52 915206 OUTHERY THOMAS 2 15.66 8.50 \$7.83 72183 1130 915/2016 72143 39.52 8.50 \$29.36 1015 TRUCK--HERBICIDE--2000 s. Rand Ed - 000036-: BRICE DRIVE Activity 1d 401 Herbicide Treatment **Road District** -1 418206 15.66 32857 1130 GUTHERY THOMAS 1 6.41 \$6.43 42.01 61803016 72957 1013 TRUCK-HERBICIDE-2000 H. 6.41 \$17.23 15.46 2.65 \$10.34 7/18/2016 72131 1330 **OUTHERY THOMAS** ŧ, ×. 39.52 2.66 \$26.09 7/18/2016 72131 1013 TRUCK-HERBICEDE-2000 22.81 6.45 516.27 9/23/2016 22/191 1350 GUTHERY THOMAS 2 9/23/2016 72150 1053 TELCK-HERBICIDE-2000 1 39.52 8.45 \$17.79 Band Id - 000090. BRIGHT ROAD Activity 1d 401 Herbicide Treatment Road District -3 18.22 0.58 \$10.57 6162916 72393 1198 TALTON STEVEN W t 6116/3016 1012 1 42.91 6.58 \$24,37 72105 TRUCK-HERBICEDE I. 8.50 \$2/2016 72144 1118 11.22 \$5.11 TALTON STEVEN W 8/2/2014 72144 0834 I 18.07 8.50 \$9.04 PECKUP 8/2/2016 72344 1130 GUTHERY TIKOMAS ĩ 15.66 6.35 \$7.83 Road Ed - 900091-; BRISTOW COVE BOAD Activity 1d 401 Herbicide Treatment Road District -4 TALTON STEVEN W ŝ 18.22 0.55 \$16.83 5/12/2016 73977 1198 0815 1 19.21 0.55 \$16.57 5/12/2916 72037 PICKUP 5/12/2016 1530 **OUTHERLY THOMAS** 5 15.66 8.55 \$8.62 73677 8/12/2016 72:15F 1198 TALTON STEVEN W t. 18.22 6.37 \$14.69 15.07 8.37 \$13.90 8/13/2014 t. 72147 0854 PICKUP 15.66 8.77 \$12.06 8/17/2914 72157 E150 **GUTHERY THOMAS** 1 Road Ed - 000092+ BRISTOW CREEK BOAD Activity Id 401 Herbicide Treatment Road District -# \$183016 1198 TALTON STEVEN W I. 18.22 6.50 \$9.11 72158 18.07 \$9.04 \$/18/2016 72138 0854 PERMIP I. 0.55 721.54 1530 **OUTHERY THOMAS** ŧ 15.66 0.50 \$7.83 8/18/2916 Road Id - 000E%-: BROKEN ARROW DRIVE Activity 14 403. Herbicide Treatment Road District -1 15.65 1.00 \$15.66 6/2/2016 72993 1330 GUTHERY TIKOMAS t 1.00 6/2/2016 72065 1013 TRUCK-HERBICIDE-2000 li. 42.01 \$42.00 15.66 0.65 \$16.34 9/15/2016 72987 1530 OUTHERY THOMAS 1 \$26.09 9192014 72187 1010 TRUCK-HERINCIDE-2000 I. 398.52 0.66 Road Ed = 0000184: BROTHERS DRIVE Activity 1d 401 Bierbielde Treatment Road District - J 9/22/2016 721990 1198 TALTON STEVEN W ĸ. 18.22 0.55 \$10.80 9233916 72190 1012 TRUCK-HERBICIDE 1 39.52 8.55 \$21.74

Mat Cost Cost Cost Date IM M м Description Rate M. Rate Units Emp Cost. Eqs Cost Project M -28-008-64ERBICIDE PROGRAM Read 1d - 000199-: BROTHERS ROAD Activity 1d 401 Herhielde Treatment **Road District -4** 4/26/2016 12063 1198 TALTON STEVEN W 1 18.22 8.50 19.11 4/26/2016 73863 1012 1 42.01 8.50 \$21.01 TRUCK-HERBICEDE 7182016 12134 11198 TALTON STEVEN W 1 18.22 0.37 34.75 7/18/2016 721183 1012 TRUCK-HERBICIDE II. 38.62 6.37 \$14.63 Baad Id - 000200-: BROW ROAD Activity 1d 401 Herbicide Treatment Road District -J 6/3/3016 72004 1118 TALTON STEVEN W t 18.22 1.00 \$18,22 6/3/2016 72694 0804 PICKUP I 19.23 1.00 \$79.21 6/3/2016 73994 6536 GUTHERY THOMAS 1 22.81 1.00 \$72.81 6/13/2016 73103 1198 TALTON STOVEN W t 18.22 0.55 \$18.63 1012 Ē 42.01 0.55 \$23.11 613/2016 72142 TRUCK-HERBICIDE E 6/14/3016 72803 扫描 TALTON STEVEN W 18.22 0.58 \$16.57 42.01 \$34.37 6/14/2016 72100 1012 TRUCK-HERBICIDE E. 0.58 922/3014 721940 1198 18.22 0.55 TALFON STEVEN W E \$14.03 9/22/2016 72199 1012 39.52 0.55 TRUCK-HERIOCIDE E \$21.74 Road Id - 000201-: RROW CUT-OFF ROAD Activity 14 400 Herbicide Treatment Read District -3 18.32 0.58 6/14/2016 72103 1298 TALTON STEVEN W L \$38.57 6/14/2016 42.01 0.18 \$34.37 72189 1012 TRUCK-DERBRIDE t. 6/22/2016 721588 11100 TALTON STEVEN W L 18.72 0.55 \$10.03 9/22/2016 72190 1042 39.52 0.54 \$21.74 TRUCK-DERINGIDE Ł Road Id + 000205+: BROWN LANE Activity 1d 401 Herbicide Treatment Road District - J 6/15/3036 721.04 1198 TALTON STEVEN W 18.22 0.43 \$2.84 ۱ 6/15/2016 72104 Ľ 42.64 0.43 1012 TRUCK-HERINCIDE \$18.07 9/23/2016 72191 1198 TALTON STEVEN W 2 26.45 0.56 \$34.82 22191 1842 39.52 4/23/2016 TRUCK-BERRICIDE 0.56 \$22.14 x Read Id - 0002074 BRUTON GAP ROAD Activity M 401 Herbicide Treatment **Road District -3** 0.43 5/5/2016 72071 11980 TALTON STEVEN W 18.22 \$15.13 72071 19.21 0.83 \$15.95 5/5/2016 0814 PICKUP l GUTHERY TROMAS 5/5/2014 12071 1510 13.66 0.83 \$35.00 ŧ. 72092 5.00 \$91,10 6/1/2016 11298 TALTON STEVEN W 18,22 6/1/2014 72092 1012 TRUCK-HERINCIDE 42.00 5.00 \$216.05 63/2016 72094 11/98 TALTON STEVEN W 18.22 1.00 \$18.22 6/3/2016 73094 0814 PROCUP 19.31 1.00 \$29.21 6/3/2016 72094 1550 GUTHERY THOMAS. 13.66 1.00 \$15.66 9/12/06 72176 1198 2.00 \$36.44 TALTON STEVEN W 18.22 9702016 22126 1012 TRUCK-MERINCIDE 39.52 2.00 \$290.04 Read Id - 000208 < BRYANT DRIVE Activity 54 401 Herbicide Treatment Band District -3 1 0.53 6/35/2016 1154 TALTON STEVEN W 26.45 \$14,92 72100 1012 42.64 0.53 6/15/2016 72100 TRUCK-HERSECIDE L \$22.27 \$12,2016 72180 1199 TALTON STEVEN W 18.22 0.71 \$12,94 ۱ 39.52 6/12/2014 71180 8842 TRUCK-RENBETOE 电节机 \$28.06 Read 3d - 400211+: BUCHANAN ROAD Activity Id 401 Herbicide Treatment **Boad District -2** 5/2/2016 72068 1156 TALTON STEVEN W £ 18.22 1.00 \$38.22 \$22016 71968 1814 PECKUP × 19.21 1.00 \$19.21

Mat Cost Cos Cost Date IN M м **Description** Rate M. Refe 3. Inits Emp Cost Equ Cost. Project M -28-808-6412RBICIDE PROGRAM Read Ed - 000211 < BUCHANAN ROAD Activity Id. 401 Herhielde Treatment **Road District -2** \$15.46 5/3/3014 12068 1530 GUTHERY THOMAS 1 15.66 1.00 6282816 72115 1158 TALFON STEVEN W 1 18.22 3.59 \$10.75 6/28/2016 72813 8824 PICKUP I. 19.21 8.59 \$11.34 6282016 32115 1130 GUTHERY THOMAS ı. 15.66 0.59 \$9.24 \$310016 72169 1158 TALTON STEVEN W 1í 18.22 8.55 \$10.01 \$31,2016 72569 0804 PICKUP 1 18.07 4.55 \$2.54 8/31/2916 72169 1530 GUTHERY THOMAS 8 15.66 4.55 \$1.62 Road Ed - 000214: BUD UMPHREY ROAD Activity Id 401 Herbicide Treatment Road District -4 5/13/2016 22077 1198 TALTON STEVEN W ł. 18.22 0.55 \$10.03 0405 £. 19.23 0.55 \$18.57 5/12/2016 PICKUP 72077 15.66 0.55 5/12/2016 72977 1336 GUTHERY THOMAS 1 \$8.42 Road Id - 000217-: BUFFINGTON ROAD Activity Id. 401 Herbicide Treatment Road District -3 5/11/2016 73976 E198 TALTON STEVEN W 1 18.22 0.50 \$9.11 19.21 \$5.61 5/11/0016 73676 085-6 PICKUP 1 0.50 H. \$7.83 5112014 73974 E530 OUTHERY THOMAS 15.66 0.50 1 0.91 \$16.59 602.0916 72110 12198 TALTON STEVEN W 18.22 1 42,01 \$18.23 6/22/2016 721.10 1612 TRUCK-HERBICIDE 0.91 6/23/2016 72111 11188 TALTON STEVEN W E. 18.22 0.50 \$5.11 6/23/2016 12111 1012 TRUCK-NERBICIDE t 42.03 0.50 \$21.04 \$17,0016 22117 1198 TALTON STEVEN W t 18.22 0.77 \$14.05 B/17/2014 72137 0814 PICKUP ŧ. 18.07 0.77 \$13.92 £. 0.77 72657 1130 15.64 \$12.06 8/13/2014 OUTHERY THOMAS E. 0.66 \$12.03 921/2016 72189 1118 TALTON STEVEN W 18.22 72189 39.52 \$/31/0014 1012 TRUCK-SEPRECTOR E 0.66 \$26.09 Road Ld + 000218+ BULL HOLLOW ROAD Activity M 481 Herbicide Treatment Road District -4 £. 4/25/2016 TALTON STEVEN W 18.22 後期 \$8.20 72662 11108 42.01 \$18.91 1012 TRUCK-MERBICIDE £-0.45 4/25/2016 73063 Road Ld - 000222-; BURGESS BOAD Activity M 401 Herbicide Treatment Read District -4 18.22 0.52 59.48 4/19/2016 73058 TALTON STEVEN W E 1298 4/19/3016 72018 1013 TRUCK-HERINCIDE E 42.61 0.52 \$21.85 18.22 0.37 3/18/3016 721133 1198 TALTON STEVEN W E. \$4.75 £. 0.37 \$14.63 2/18/2016 72131 1012 TRUCK-HEMBICIDE 39.52 0.36 1/19/2014 72132 11998 TALTON STEVEN W E. 18.22 36.56 39.52 0.36 \$14.23 3/19/2016 72132 1012 TRUCK-RERIFICIDE E. Road 1d + 001226+: BURTON CUT-OFF Activity 53 480 Blochicide Treatment Road District -4 18.22 0.83 \$15.15 \$/16/2016 72088 11998 TALTON STEVEN W ŧ ŧ 19,71 0.83 \$15.95 72080 0814 PICKUP 5/16/2014 E. 0.83 \$/36/2016 72080 1550 GUTHERY THOMAS 15.66 \$13.00 72125 TALTON STEVEN W E 18.22 0.70 \$12.76 6/36/2016 1108 E. 42.03 0.70 \$29.41 6/30/2016 72123 1012 TRUCK-REREPCIDE E 18.22 \$8.11 8/18/2016 721.58 1198 TALTON STEVEN W 0.50 8/18/2016 72158 0814 PICKUP £. 18.07 0.50 - 59.04 0.50 \$5.83 8/18/2016 721.58 1530 OUTHERY TIIOMAS £. 11.66 2 1.00 \$26.45 \$/17/2016 72185 1108 TALTON STEVEN W 26.43 9132086 72185 1812 TRUCK-BERMCIDE в. 39.52 1.00 \$39.52

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Date	DJM	. M	Description	Rate 1d	Rate	Units	Emp Cost	Equ Cest	Mat Cost	Con Cost
Project Md -28-011	INCRUSE	THE PRO	GRAM		1.0					
Road Id - 0003	274 BUR	TONLO	OP BOAD							
Activity M 40	1 Herbicid	e Treaties	real .							
Road Division	1-4									
5/16/2014	72046	1298	TALTON STEVEN W	1	18.22	0.83	\$13.13			
5/16/2016	12089	0814	PICKUP		19.21	0.83		\$15.95		
3/36/2016	72080	1530	GUTHERY THOMAS		13.66	0.83	\$13.00			
6/30/2016	T2123	1198	TALTON STEVEN W	1	18.22	0.70	\$52,76			
6/30/2014	T2125	1012	TRUCK-HERBICIDE		42.01	0.70		\$29.41		
8/18/2016	72158	1198	TALTON STEVEN W	1	18.22	0.50	59.11			
818/2014	72158	0814	PICKLIP	1	18.07	0.50		\$9.04		
\$126/2016	72158	1530	GUTHERY THOMAS	1.0	15.66	0.50	\$7,83			
9/17/2016	72185	1198	TALTON STEVEN W	2	26.45	1.00	\$26.45			
9/17/2016	72185	3912	TRUCK-HERBICIDE	1	39.52	1.00		\$39.52		
Road 84 - 0002	28+: 85.51	BARNB	OAD							
Activity 14-49	I Herbicid	e Treslass	col .							
Road District	1-2									
9/26/2016	72195	1530	GUTHERY TROMAS	1	15.66	0.36	\$5.64			
9/36/2016	72395	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road 1d - 9902	30-: BUSI	ER WIL	LETTROAD							
Activity 1d 40	I Herbicid	Treatme	and .							
Road District										
4/10/2016	72100	1198	TALTON STEVEN W	2	26.45	0.46	\$12,17			
8/10/2016	72980	1012	TRUCK-HERBICIDE	- E -	42.01	0.45	121335	\$19.33		
6/10/2016	72360	0935	HERRICIDE-MSMA (TAROF)	GALLON	21.46	15.00		1000	\$321.90	
4/10/2016	73100	2936	HERIGICEDE-DILINON 41.	GALLON	18.00	11.00			\$276.60	
6/10/2016	77100	0928	HERINGIDE-GROUND ZERO	PECT	8.71	1.08			\$8.71	
4/10/2016	73108	2000	WATER	GAL	1.50	2,000,00			\$0.00	
9/8/2016	72177	1198	TALTON STEVEN W	1	18.22	1.00	\$18.72			
6/6/2016	23827	1012	TRUCK-HERBICIDE	- 22	39.52	1.06	910000	\$36.53		
9122906	77180	1194	TALININ STEVEN W		18.22	6.77	\$14.00			
01272016	72140	1017	TRUCK-HERRICHTON		39.52	6.77		330.44		
91111010	21180	0071	NERGENTE, CARLON LA	CALLON	13.00	15.06		200.00	5,004,85	
9/11/16/4	221040	2000	SUATER	CAL	0.00	1,000,00			\$8.00	
Bund 14 - 0000	MA BUT	ERRO	AD	Cores.		1,000,000			-	
Automa M. All	I Harbield	Treatme								
Band Distance										
ALCOND. LANDING	ADDARD.	1.000	YAR DOW STREAM IN		44.72	6.43	400.44			
0100000	22027	1000	THE VERY LICENSES		47.04	0.00	31.48	451.64		
4100010	12002-7	1100	THE REPORT OF THE REAL PROPERTY OF THE REAL PROPERT	100	74.44	6.74	#10.04	~ Bel.83 ~		
61102016	71.000	11118	TALFON STRAIN W	10	45.44	0.78	310.00	1111.00		
9122122910	72008	1100	THUR, KHURLER, 200		10.01	0.00	100	413.95		
9(27)2810	76199	1198	TALTUN STEVEN W	- 22	18.44	0.45	86.24			
W202010	123090	1012	TRUCK-PERMICIDE	- 10 C	10.52	0.42		311.17		
House bd - www.	See Burs	CARD R	CK. B. HOAD							
Activity 14 -400	i merbecka	· Ireasan								
Road Dutrict			was wind a start and an	- 25			*****			
5160016	72980	1198	TALFON STEVEN W	100	18.22	0.00	\$15.13			
5/16/2016	72080	0814	PROBLEM		19,21	0.85	A 10 A	\$13.99		
516(2016	72980	1530	GUTHERLY THOMAS	201	15,66	0.83	\$13.00			
6/29/2016	72316	1198	TALFON STEVEN W	1.0	18.22	0.59	\$10.75	Constant 1		
60902016	721.94	1012	1810.8180.010.000		42.01	0.99	100 million	324.79		
80220316	72961	1198	TALFON STEVEN W		18.22	1.00	518,22			
80220916	72160	0854	PACKER		10.07	1.00		\$18.07		
802/0016	72363	1130	GUTHERY THOMAS		15.66	1.00	\$15.66			
Road Ld - 0002	44+ CAM	PRELL O	GAP BOAD							
Activity Id 400	i Berbicide	Trutine	141							
Road District	-2	1.5	20220100220		1000		200			
5/5/2016	73974	1198	TALTON STEVEN W	8	18.22	0.85	\$15.13	100406314		
5/5/2016	72071	0814	PEROP	- E	19.21	0.83		313.95		

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Date in the second	0014	H NO	Delectorian and a second	Rang 14	Field	1.445	Coup Court	Equ Cost.	Mart Cold	CestCall
Road Id - 18-802	144-: CAM	PBELL	GAP ROAD							
Activity M. 48	I Herbield	Treatm	ent							
Read District	1-1									
5/5/2016	72071	1530	GUTHERY THOMAS	1.1	15.66	6.83	\$13.00			
7/19/2016	321.82	1198	TALFON STEVEN W	1	18.22	0.36	\$6.56			
7/15/2016	72932	1002	TRUCK-HERBICIDE		39.52	0.36		\$14.23		
\$1,0016	72140	1196	TALTON STEVEN W	10	18.22	1.00	\$18.22			
8/5/2014	72143	0804	PECKUP	1.5	18.07	1.00		\$18.67		
8/1/2016	72143	1130	GUTHERY THOMAS	8.5	15.66	1.00	\$15.66			
96/2016	72175	1198	TALTON STRVEN W	1 C	18.22	2.80	\$36.44			
9/6/2016	72175	9854	PICKUP	1	18.07	2.00		\$35.14		
9/6/2016	22175	11530	GUTHERY THOMAS	1	15.66	2.00	331.32			
9/7/2016	72176	1198	TALTON STEVEN W	B	18.22	2.00	\$36.44			
9/7/2016	12176	1012	TRUCK-HERBICIDE	1.1	39.52	2.60		\$79.04		
9/26/2016	72188	1198	TALTON STEVEN W	100	18.22	1.50	\$27.33			
9/29/2916	72188	0804	PICKUP	- E.C.	18.07	1.59		\$22.11		
9/20/2016	72188	1130	GUTHERY THOMAS	- E.S.	15.66	1.50	\$23.49			
Read Ed + 0002	HS; CAN	PMIRE	ROAD							
Activity \$4,400	E Berbició	e Treatm	feet.							
Road District	1.2									
7/25/2016	72137	1120	OUTHERY THOMAS	1 C	15.66	18,50	\$2.10	0.000		
7/25/2016	72137	1013	TRUCK-HERBICIDE-2000	E 1	39.52	0.50		\$19.36		
Hoad Id - 0002	Mi-: CAN	NON GA	P BOAD							
Activity 11 40	1 Berbicid	e Treatm	ent							
Road District	-1		Carrona annos		112122	0.0100	1000			
4/4/2018	72046	E130	GUTHERY THOMAS		15.66	0.77	\$12.06	1207027		
4/6/2016	72045	1003	TRUCK-HERBICER-2000		42.01	0.77	00000	\$12.33		
4/4/2006	73046	1330	OUTHERY THOMAS		13.66	0.77	\$12.06			
494/2016	72046	1013	TELCK-HEIUHCEDE-2000		42,01	0.77		\$32.33		
101/0016	72134	1150	GUTHERY THOMAS		15.66	0.90	\$14.18			
101/0016	72134	1013	TRUCK-PERINCEN-2000		39.32	0.90		\$35.51		
9(2/2008	72872	1198	TALTON STEVEN W		18.22	4.71	\$12.94			
9/2/2006	72172	0814	PICKUP		18.07	8.74	-	\$12.40		
9/2/2004	731173	1130	OUTBERY THOMAS		22.81	0.71	\$16.20			
9/28/2015	721997	1330	OUTHERY THOMAS		15.66	2.00	\$11.32	Sec. 1		
928/2016	72197	1013	TRUCK-HERDICENE-2900		39.52	2.00		\$79.54		
Hoad Id - 0002	SO-CAR	LISLEC	UTOFF							
Activity 54 400	1 Herbicie	e Tresilati								
Road Destract	-3	1100	The set of	100	10.00	1.00	1000.000			
6/31/2016	72100	1198	TALIUS STEVES W		10.22	0.55	areas	1000		
0/21/2019	72100	1012	THACK-PERDICASE	- 23	42.05	8.27	212.00	- MAX11		
9/16/2018	72199	1198	EALISTIC STEVEN W		18.22	0.00	\$12.89	114.00		
Read Id - Diel	12199	STACE.	INCLOSED AND		19.04	0.00		919-24		
Automatic and and	Date water	Torne	APEL BOOK							
Read Bioteles	i mornece	e truess								
ALL DOUGLE	There a	1.000	TALL THE STUDIES IN		10.00		110.00			
2020000	10011	0414	BARLING DELEVEN IN		10.71	4.44	\$110.00	816.57		
212/2019	10077	1430	CUTUERY TINALLS		11.44	0.00	11.43	310.31		
212/2019	101110	1100	COTHER T THOMAS		13,00	0.32	56.35			
2018/2014	22121	1007	THE OLD STRATES IN		20.55	4.97	0.96070	414.43		
81.0044	221.43	1100	TAS TIME STRUCTURE IN		18.22	1.00	\$18.72	1000		
101/2010	22145	0814	POLT P		18.02	1.00	110.12	Sector 1		
901/2010	210.43	1110	CUTHERY THOUGH		10.01	1.00	115.44	418.07		
Band Id . (Mar	ALL CAR	OF LAN	Providence considera	1.1	43.00	1.00	812.00			
Autority by min	Bachield	Trees								
Accordy to det	· mortecid	· · · · · · · · · · · · · · · · · · ·								
Train Provide	20110	1000	TALTON STEVEN W		18.72	0.14	86.44			
1.1.0.0010	122.00	1110	a support of the second s		18.00	1.00	90.70			

Report Id: Rppro812.rpt

Date DUM M. Description Bane M Cinits Emp Cost. Equ Cost Mat Cost Cost Cost Kale Project 1d -28-818 DRERBICIDE PROCRAM Boad Ed - 000254: CAROL LANE Activity M 401 Herbickle Treatment Road District -2 1/15/2016 1013 TRUCK-HERBICIDE Ε. 99.12 0.56 \$14.23 73113 Baad Id - 000255-: CAROLYN COURT Activity M 401 Herbleide Treatment Road District -2 7/15/2016 £ ... 15.66 0.38 \$3.96 72352 E538 OUTHERY THOMAS 1/19/2016 72132 1013 TRUCK-PERDICIDE-2000 £. 39.52 0.38 \$15.02 9212916 72196 1:530 OUTHERY THOMAS E. 15.66 0.43\$6.76 72196 1013 39.52 0.43 9/27/0814 TRUCK-HERBICIDE-2800 Ŀ. \$17.00 Road Ed - 000245-; CASH RD, Activity 13 400 Herbicide Treatment Road District -3 TALTON STRVEN W Ł 18.22 0.53 \$11.03 6/13/0016 72103 1198 6/13/2016 72100 1012 TRUCK-SERBICIDE E. 42.00 0.55 \$23.11 902/0816 721999 1198 TALTON STEVEN W Ľ 18.22 0.55 \$18.03 TRUCK-HEIRBICIDE 1012 39.52 0.55 321.74 \$122,0914 72156 E Road Id - 000267-: CATES BOAD Activity M 401 Herbicide Treatment Read District -2 1530 6/1/2016 73590 **GUTHERY THOMAS** £. 15.66 0.29 \$4.55 6/1/2016 72092 1843 TRUCK-HERERCIDE-3900 t 42.60 0.29 \$12.19 923/0846 721993 1530 **GUTHERY THOMAS** 2 22.81 0.43 \$18.27 TRUCK-SERRICIDE-2000 9/23/2016 72191 39.52 6.43 \$17.79 1013 ε Read Lt = 0002684 CAUSEY LANE Activity 53 401 Herbicide Treatment Road District - J. 18.32 0.37 \$6.75 3/38/2016 72130 11NK TALTON STEVEN W 3/38/2016 72131 TRUCK-REREICIDE 39.52 0.17 \$14.63 1012 E ... Read Id - 600288-: CENTER BOAD Activity Id 401 Herbicide Treatment Read District -4 4/19/2016 1196 TALTON STEVEN W 18.22 \$9.48 72658 £ 0.52 4/19/2016 72058 1812 TRUCK-FERBICIDE Ľ 42.00 0.52 \$21.85 TALTON STEVEN W Ľ 0.91 7/26/2016 72138 1198 18.22 \$16.59 106/0814 72136 1812 59.52 0.91\$15.97 TRUCK-HERISCIDE Ł 8/23/2016 72162 1198 TALTON STEVEN W t. 18.32 0.52 39.48 72162 18.07 59.40 0.17 8/23/2016 0514 PECKLIP ŧ. 8/23/2016 72162 1530 GUTHERY THOMAS Ľ 13.66 0.52 \$8.15 Read 1d - 001281< CILAMPTON DR Activity 1d 401 Horbicide Treatment **Head District** -2 4/18/2016 1510 GUTHERY THOMAS 15.66 0.41\$5.43 73657 E .-4/18/2016 22052 1013 TRUCK-HERRICIDE-3000 42.01 0.41\$17.23 í. Read Id - 001283+; CHARADA LAKE ROAD Activity M 401 Horbicide Treatment **Band District** -4 11116 TALTON STEVEN W 18.22 0.53 \$9.48 4/19/2005 72638 Ł £ 4/19/2016 72058 1612 TRUCK-RERINCIDE 42.01 0.57 \$21.85 3/19/2016 12132 11/98 TALTON STEVEN W £ 18.22 0.56\$6.56 2/19/2016 72132 1012 THUCK-HERBICIDE 1 39.42 0.36 \$14.23 8/24/2656 72163 1198 TALTON STEVEN W Ľ 18.22 0.67 \$12.21 8/34/2016 72163 0814 PECKUP E. 18.07 0.67 \$12.11 8/34/2016 72163 1530 OUTHERY THOMAS t 15.66 0.67 \$10.50 Read Id - 000284-: CHARLEY STREET

Activity Id. 401 Horbicide Treatment

Road District -2

Report Id: Rpprol12.rpt

Mat Cent Date DAPP м Description Rate M Rete Units Emp Cost Equ Cosi Cas Cost Project M -28-018-16/ERBICIDE PROGRAM Road Ed - 000284: CHARLEY STREET Activity M 401 Herbicide Treatment Road District -2 6/7/2016 73047 1550 GUTHERY THOMAS E 13.66 0.57 \$8.50 4/7/2014 12697 1013 TRUCK-HERBICIDE-2000 Ľ 42.03 0.53 \$22.27 906/2014 72199 E120 GUTHERY THOMAS Ľ 15.66 638 \$5.64 9/26/2016 72195 1013 TRUCK-HERBITCHE-2000 U. 59.52 0.36 \$14.23 Road Id = 000287-(CHEROKEE ROAD Activity Id 401 Illerbicide Treatment Read District -6 4/06/0016 73019 1198 TALTON STEVEN W 18.22 0.15 \$10.05 £. 4/20/2014 72059 1012 TRUCK-HERBICIDE 42.00 0.55 \$23.11 £. Road Id - 000292-: CHESTER TODD ROAD Activity 1d 401 Horhicide Treatment Read District -4 18.22 1.00 \$18.22 6/27/2016 72114 11998 EALTON STILVEN W Ł 6/33/2016 72104 42.00 1.00 \$42.01 1612 TRUCK-HERBICIDE 8/23/2016 72162 11598 TALTON STEVEN W 18.22 0.64 \$11.67 0.64 8/23/2016 72162 0814 PICKUP 18.07 \$11.57 E 8/33/2016 72162 0023 HERBICIDE--GARLON 3-A GALLON 32.99 1.58 \$49.49 \$12.39 \$/23/2016 72162 0916 HERBICIDE-MSMA/TARGET GALLON 21.46 1.50 0.00 \$0.08 8/23/2016 72142 2008 WATER GAL. 25.00 GUTHERY THOMAS 15.66 \$10.03 8/23/2016 721.62 1530 1 0.64 \$/19/2016 72187 TALTON STEVEN W 18.22 0.71 \$12.94 1150 t \$419425055 72187 1012 TRUCK-HERBICIDE L 39.32 0.71 \$28.06 Read Id + 600293-: CHESTNUT STREET NORTH Activity bl 401 Herbicide Treatment Read District - J 18.22 0.43 \$7.84 6/15/2006 1198 - TALTON STEVEN W 72164 £ 72104 TRUCK-HERBICIDE 42,00 0.43 6/15/2006 1012 ł. \$18.07 Read Id - 000296+ CHRISLYN DR Artivity 1d 481 Horbicide Treatment Road District -6 4/20/2006 72099 1198 TALTON STEVEN W 18,22 0,35 \$30.03 t \$23.11 4/28/2015 73059 3812 TRUCK-HERBICIDE L 42.01 9.35 Read 1d - 000297+ CHRISTIAN WAY Activity Id. 401 Herbicide Treatment Road District -3 4118/2014 12657 1198 TALTON STEVEN W 18.32 0.52 \$9.48 4/18/2006 72657 THUCK-HERBICIDE 42.68 0.12 \$21.85 3812 Ł 0.45 \$/27/2004 72196 1198 TALTON STEVEN W £ 18.22 \$8.20 9/27/2004 721996 1012 TRUCK-SERRICIDE 39.12 0.45 \$17.79 Read Id - 000300+: CHUMLEY ROAD Activity Id 401 Herbickle Treatment Read District -3 6/13/2016 1198 TALTON STEVEN W 18.32 0.55 \$33.03 72162 Ł 42.00 0.55 \$23,11 6/13/2004 72:002 8912 TRUCK-HERINGIDE L х 0.56 \$252005 72191 1198 TALTON STEVEN W 26.45 \$14.82 0.36 \$22.14 9/25/2014 72/091 0812 TRUCK-HERBICIDE t. 19.12 Read M = 000001< CHURCH CIRCLE Activity M 401 Herbicide Treatment Road District -6 4/20/2016 18.22 0.55 \$33.03 72039 11/08 TALTON STEVEN W 42.00 0.55 4292016 72859 1412 TRUCK-RERINCIDE £ \$23,11 Read 1d - 000305: CLANTON STREET SW Activity Id. 401. Herbicide Treatment **Band District** -4 \$8.20 4/25/2014 72062 1158 TALTON STEVEN W 18.22 8.45

Date	DUM	54	Description.	Rate M	Rate	1 with	Tag Cet	Equ Cost	Mat Cest	Con Casi
Project 14 -38-018	MERBIC	IDE PRO	GRAM							1.000
Road 84 - 0003	109 CLA	NTON ST	TREET SW							
Activity 1d 40	I Herbicid	e Trentmo	cw/							
Road District	- H									
4252006	73963	1012	TRUCK-HERBICIDE	8, 5, 5	42.01	0.45		\$18.91		
7/26/2016	72138	1198	TALTOS STEVEN W	1.0	18.22	0.90	516.40			
7(26/2016	72134	1012	TRUCK-HERINCIDE		39.52	0.90		\$35.57		
7/26/3816	23134	1999	HERBICIDE-MSMA (TARGE	EGALLON .	21,46	1.50			\$360.95	
7/26/2016	72138	0915	HERMCIDE-DRINON 4L	GALLON	18,00	7,50			\$135.00	
7/26/2016	729.38	0928	HERBCIDE-GROUND ZING	PINT	8.71	1.00			\$8.71	
7/26/2016	721.18	2000	WATER	ITAL.	9.09	1,000:00	10.00		\$0.08	
\$252916	72162	1198	TALTON STEVEN W		18.22	0.52	39.48	1005100		
8232816	73962	9804	PICKUP		18.07	0.52		39,40		
8233016	72162	1130	GUTSERY THOMAS	R	15.66	0.52	\$8.15			
Haad 1d - 0003	124 CL0	CD LAN	κ							
Artisity M 401	Herbicid	e Treatme	ind .							
Read District	(- 3)		and should be a set of the		1000	10.00				
6/10/2016	72100	1198	TALFON STEVEN W	2	26.45	0.53	\$14.02	1000		
6/10/2014	73100	1013	TRUCK-HERBICIDE		42.01	0.53		\$22.27		
912/2016	72180	1198	TALFON STEVEN W	1.0	18.22	0.71	\$12.94			
9/13/2016	72189	1012	TRUCK-HEROICEDE	- B.C.	38.52	0.71		\$28.06		
Head Ed - 0003	2L COA	LUCD ID	OLT OM HD							
Activity M +401	1 Herbicid	a Treatme	cart .							
Road District		1.1.1.1	Venere Bleen New York	211-	1322	5312	1222			
6/7/2014	72097	1530	GUTHERY THOMAS	- C.	15,66	4.33	58.30	10000		
6/7/2016	73097	1013	TRUCK-HERBICIDE-2000	B. (42.01	0.53	5000	\$21.31		
9/14/2016	72183	1330	GUTHERY THOMAS		15.66	0.71	\$11.12	121.02		
914/2016	721982	1013	TRUCK-HERBICEDE-2000		29152	0.23		218.06		
Read Id - 0002	22< COA	IS BEN	DCIRCLE							
Activity 34 400	Herbicid	e Treslee	end .							
Road District	-1						F			
5/4/2016	72970	1198	TALFON STEVEN W	5.5	18.22	1.00	\$18.22			
5/4/2016	72070	0824	PERCEP		19,21	1.00	A	\$19.21		
5/4/2016	72970	1130	OUTHERY THOMAS		15.66	1.00	\$25.66			
6/21/3916	72914	1130	GUTHERY THOMAS		13.66	9.99	39.24			
6210916	72114	1013	TRUCK-HERBICEDE-2000	1.1	42.01	0.59	1320	\$24.79		
9262916	72398	1530	OUTHERY THOMAS		15.66	0.36	35.64			
9/26/2016	72195	1013	TRUCK-HERISICEDE-2000	- 10 I	39.52	0.36	10.00	314.23		
9/21/3016	72196	1530	GUTHERY THOMAS	1.0	15.66	0.40	50.74	alana a		
9(21)3016	73190	1013	TRUCK-HERBICIDE-2000	- C.		0.040		317.00		
Read 1d - 0003	23+ COA	IS BEN	DROAD							
Activity 54 401	Herbicke	e Treatme	191							
Nond District	1.4		The set of the set of the set of the set		100.00	1.00	F 10 10			
5/4/2036	12970	1198	TALIUS STEVEN W		18.22	1,00	319.13			
5/6/0016	73878	0824	PRESS		19.21	1.99		315.11		
5/4/2016	72870	1300	OUTHERY THOMAS		15.00	5.00	\$15.66			
6/21/2016	72114	1399	OUTHERY THOMAS		15.60	0.20	58.11			
6/21/2016	72114	1913	TRUCK-HERBICIDE-2000	0.000	42.01	8.55		425.53		
6213016	72114	2000	WATER	SIAL.	0.90	1,000.00			51.00	
6/27/2016	71114	0510	HERBICIDE-MISMA (LABOR	GALLON	21.00	7.90			5106.92	
6210916	72114	0916	HERBICIDE-DICIRON 4L	GALLON	18.00	1.50			\$135.00	
6/21/2016	73114	0528	HERBICIDE-GROUND /280	PINE	8.71	1.00	A		34.71	
8/0/2016	12343	1198	TALTON STEVEN W		18.22	1.00	208.22	10000		
81/3014	72140	0814	PRODUP		18.07	1.09		218.00		
8/1/2016	72143	0921	HERBICIDE-GARLON 3-A	NOTIND	26.48	1.00			556.48	
8/5/2016	72140	0910	HERBELDE-MSMA (FARGE)	LOWTON.	31.46	1.00			\$21.46	
8/5/2014	72143	2000	WATER	GAL.	9.00	30.00			20.00	
8/0/2016	72140	1530	GUTHERY THOMAS	1	15.56	1.99	\$15.68			
9/26/2016	12185	1150	GUISBRY TROMAS	- C.	15.66	0.35	\$5.64			

Report Id: Rpprof/12.rpt

Desc.			Beneralistica	10 mm 1 m		Window	Free Cost	See Cast	Mark Cost	Sec. Car
Line in the same	DO N		Description	HAVE 14	Kill	1.000	Log Con	squ'ese.	Stat Cont	Carton
Read 5d - 6960	23+: COA	TS BEN	DROAD							
Activity 64 48	I Herbicid	e Treatm	cart							
Road District	-4.	10.00	Namus-mmanas and		122.22	1.2.2		1000		
9/26/2016	72199	1013	TRUCK-HERBICIDE-2000		39.52	0.36	1.1.1.1.1.1.1	\$14.23		
9/27/2016	72796	1530	GUTHERY THOMAS	- E.	15.66	6.43	\$6.74			
9272016	72196	1012	TRUCK-HERINCEDE-2000	- F.S.	39.52	0.43		\$17.00		
Boad 1d - 9903	274 COFI	FEYSPE	UNCS ROAD							
Activity Id. 40	Herbicid	e Treatm	end .							
Read District	-2									
7/25/2816	72137	1130	GUTHERY THOMAS	1 C	15.66	10.50	\$7.80			
7/25/2916	72137	1013	TRUCK-HERBICEDE-2000		39.32	0.50		\$29.76		
Road Ed - 0003	28-; COIP	LANE	10000 (Constanting of the Constant)							
Activity 1d -401	Herbield	Treatme	test (
Road District	-4	112.00	2							
6/24/2016	22013	1116	TALTON STEVEN W		26.45	0.50	\$13.23			
6/24/2016	221.12	1017	TRUCK-HERINGTH	1.1	43.01	0.50		\$21.04		
Read Id - 0003	50-: COL	EVLAN	E							
Antipire 14, 400	Markish	Territor								
Read District	- Introvene									
South Destroye	and the second second	1.000	CONTRACTOR NOTING AND ADDRESS.	10 C	14.44	1.00	100.00			
4202016	74899	1500	OUTBERT TIKINGAS		13.00	9.98	30.94	ALC 34		
4/20/3916	72039	1012	TRUCK-HERDICER-2800		42.91	9.58		304.37		
7126/2016	72138	1530	OUTSERY TROMAS		15.66	0.77	\$12.06	100		
2(26/3016	77138	1013	TRUCK-HERBICEDE-2000		39.52	0.77	0.000	\$30.44		
8/25/2016	72964	1198	TALTON STILVEN W	- E.S.	18.22	0.77	\$14.03			
8/25/2016	72164	0814	PICICIP	- E - E - E - E - E - E - E - E - E - E	18.07	0.77		\$13.50		
8/25/2016	72564	1530	OUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/28/2016	72188	1198	TALTON STEVEN W	1.2	18.22	1.00	518.22			
926/2016	72188	0834	PICKUP	E	18.07	1.00		\$18.07		
9/20/2016	72188	1530	GRITHERY THOMAS	1	15.66	1.00	\$15.66			
Road Id - 0003	31+ COL	EV BOA	D							
Activity M 400	Herbick	Treatme	and the second se							
Read District	-1									
426/2016	72059	1530	OUTHERY THOMAS	1	15.66	11.58	\$9-09			
4/20/2016	72059	1013	TRUCK-HERBICEN-2900	1.1	42.03	0.58	222.0	\$24.37		
206/2016	22118	1530	OUTHERY THOMAS		15.66	0.77	\$12.66			
106/0014	721.18	1013	TRUE'S AFRICAS, 1990		39.53	4.22	0.000	\$30.44		
Nami 14 - 0003	32- COL	LIGH P	AUKWAY							
Autoin 13 and	Buchleich	Westmann and								
Rend District										
ACREATE ACTION		1000	COLUMN TWO AND	100	24.44		100.00			
402092014	12009	1047	THERE AND	- 22	12,00	0.50	20.89	104.00		
40900916	12019	1012	TRUCK-TEXTRETON		42.03	0.56	2022	204.01		
5/26/2016	72089	11998	TALTON STEVEN W		18.22	2.50	340.55			
5/26/2016	72089	0814	PRAUP		19.23	2.99		246.00		
3/26/2016	72069	1530	OUTHERY THOMAS		15,65	2.50	\$39.15			
206/2016	72138	1230	OUTHERY THOMAS		15.66	8.77	\$12.06	1.00		
1/26/2016	72138	1913	TRUCK-HERBICIDE-3990		39.52	9.77		\$30,44		
208/2016	72346	1196	TALTON STEVEN W	- E	18,22	1.00	\$18.22			
7/28/2016	72140	0814	PICKUP		18.07	1.00		\$18.07		
7/28/2014	72140	0961	ARSENAL FGALLON	EACH	0.00	1.00			\$0.00	
108/0016	72148	0912	HERBICIDE-ROUNDUNGLY	GALLON	14.49	0.50			\$7.25	
108/0016	72140	3900	WATER	GAL	0.00	58.00			\$1.00	
7(26/2016	72140	0910	HERBICIDE-MSMA (TARCE	T GALLON	21.46	1.00			\$21.46	
108/0016	72148	0923	HERBICIDE-GARLON 3-A	GALLON	37.99	0.50			\$16.50	
108/0016	72140	1530	OUTHERY THOMAS	E.	15.66	1.00	\$15.66			
Road Id - mins	No COL	VINCAN	ROAD			1.100	1000			
Activity 14 and	Harborn	Treature								
Read District	-1		5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1							
40070015	039444	1510	CONTRACTOR V TRACKAS		10.00	0.76	\$11.94			

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ETOWAH COUNTY - DOCUMENT SET 5-6

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Report Date: 05/15/2017

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Report Id: Rppro012.rpt

Date	BU M	M	Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Con
Project 14 -28-803	MERRIC	IDE PRO	IGRAM	0.000				- 822.4		100.00
Read 8d - 9900	139 c COL	VEN GAI	PROAD							
Activity Id. 48	I Herbicki	le Treatm	ent							
Boad District	t - I									
4/4/2016	73946	1013	TRUCK-HERBICIDE-2000		42.01	0.75		\$31.93		
4/4/2016	72948	2000	WATER	GAL.	0.00	1,000.00			\$0.00	
4/4/2016	73946	0991	HERBICIDE-2,4 D AMINE	GALLON	16.03	11.25			\$158.97	
4/4/2016	72046	1996	HERBICIDE-SULFOMET	LB	28.05	0.94			\$26.30	
4/4/2016	72946	1928	HERINCIDE-GROUND ZERO	PINT	8,73	1.00			\$8,71	
5/3/2016	72969	1195	TALTON STEVEN W	1.1	18.22	0.75	\$13.85			
50/2016	72069	9854	PICKUP	1.0	19.23	8.36	2002	\$14.60		
5/5/2016	72969	1530	GUTHERY THOMAS		15.66	8.76	\$11.91			
7/21/0016	72334	1530	GUTHERY THOMAS		15,66	1.00	\$15.66	1223		
7/21/2916	72134	8003	TRUCK-HERBICIDE-2000		99.52	1.00		\$39.51	12202	
7(21/3016	72134	2000	WATER	GML	0.00	2,008.00			\$0.00	
7/21/2016	72134	0950	HERBICIDE-MISMA (TARGE	T-GALLON	21.48	15.00			\$321.90	
7213016	72134	0916	HERBICIDE-DIURON 4L	GALLON	18.00	15.00			\$270.00	
1010016	72134	0928	HERBICIDE-OROUND ZERO	PINT	8.79	2.00			\$17,42	
7(21/2016	72134	0953	HERINCIDE-FOAM BUSTER	Q1	11.30	0.25			\$2.83	
8/25/2016	72964	1198	TALDON STEVEN W		18.22	0.22	\$14.05			
8/25/2016	72164	0854	PRCRUP		18.03	8,77		\$13.93		
825/2918	72264	1530	OUTHERY THOMAS		15.66	9.77	\$12.06			
Road Id - 0000	41-< CON	SERVAT	HON LAKE ROAD							
Activity 14 400	1 Herbicid	e Treature	ten la contra							
Read District	-4	10.00	20.259323007000	23	1.23	0.0222	16965			
4/26/2016	72963	1158	TALDON STEVEN W		18.22	0.50	398.21	2221220		
4/26/2016	72063	1663	TRUCK-HERBICIDE		42.00	0.50		- \$21.01		
1/18/2016	721.04	1198	TALFON STEVEN W	1.0	18.32	0.37	36.75	Same a		
1/18/2016	72131	1012	TRUCK-HERDBOIDE	1.0	39.12	8.37		\$14.63		
Road Id - 0003	424 000	SA DRUY	· FC							
Activity 1d 401	E Merbicid	e Treatine	test .							
Read District	-1									
6/28/2016	72115	1198	TALION STEVEN W		18.22	0.59	\$19.75			
6/38/2016	72113	0824	PEROP		19.21	0.99		211.34		
6/28/2016	72115	4530	OUTHERY THOMAS		13.66	8.59	39.24			
979/018	72180	1530	OUTHERY DIGMAS		15.66	0.00	\$10.54			
9/19/2016	12187	100	TRACK-PERBICIDE-2000		39.32	9.66		208.09		
Hoad Id - 0980	454 COP	ELAND	GAP CHENCH ND							
Activity 50 401	1 Herbical	v Treating								
Kend Destrict	Carried.	1000	The Residence of the Property and the	2.12	10.00	10.00	410.00			
4716/2019	72195	1078	TALLION STEVEN W	1.1	10.00		91627	A14.00		
Read Id - 000	ULL CODE	LEV BO	AD	0.2	41.01	0.08		308.31		
Autoin 14 day	Burkland	Trees								
Read Math	. Increase	e trens								
600.0016	23468	1530	CONTRACTOR TOPONALS		14.66	10.77	\$11.12			
4/8/2014	10000	10.00	THE R. LANSING MICH.		47.00	0.71		474.41		
90,000	20131	1108	TAL TON STEREN W	1.0	18.22	0.41	87.84	P		
91,7914.6	22424	2014	PROVIDE NOT A LOT AND A LO		18.07	0.41	1.14	67.76		
0120084	99170	1550	CETHERY TREAMS	1.1	15.64	0.41	84.74	81.16		
10120014	221.00	1230	CUTHERY TROUGS		15.66	0.00	43.74			
6/15/2016	10101	1013	TRUCK AND BUTTLE AND		10.00	0.07	30.24	475.91		
Read to . page	and com	STILL (18(15					- #0.7.54		
Activity for one	Herbirth	Treater	and a second s							
Read Distance	-3	- creating								
A030604	22100	3516	CASTHERY THEALS	111	15.65	0.00	89.24			
6/73/2016	72114	1011	TRUE AND ARE THE TWO		42.65	0.99		\$24.29		
\$040414	72165	1510	CUTHERY DRIVAL		14.64	0.54	23.64			
schemelik.	79194	1011	TRUCK-HERBETTE-MOD		19.12	4.54		\$14.21		
		1010	+1							

ETOWAH COUNTY - DOCUMENT SET 5-6

Mat Cest Con Cost Date DUM 鯣 **Description** Rate M Rate 1. mits Emp Cost. Equ Cost Project 14 -28-818 IMERBICIDE PROGRAM Read Id - 100058: COUNTRY CREEK ROAD Activity 64 401 Herbicide Treatment **Road District** -4 6250966 72663 1198 TALITON STEVEN W E 18.22 6.45 \$8.20 4/25/2016 73962 E. 42.03 8.45 \$13.91 1012 TRUCK-HERBICIDE 6/30/2016 72121 1198 TALTON STEVEN W E. 18.22 0.30 \$12.76 6/90/2016 72133 1013 TRUCK-HERBICIDE E. 42.03 6.39 \$29.41 Read Id - 000394: COUNTRY HILLS ROAD Activity Id. 401 Herbicide Treatment Road District -4 4253916 TALTON STEVEN W Ŀ. 18.22 0.45 \$5.51 72962 1198 72062 1002 E 42.01 6.45 \$18.91 625/2916 TRUCK-HERINCIDE 7/18/0916 2018 TALTON STEVEN W E 18.22 6.37 \$6.75 1198 1118/2016 72131 1012 TRUCK HERBICIDE Ľ 398.52 \$37 \$14.63 Band Id - 000063+ COUNTY LINE ROAD Activity 14 401 Herbicide Treatment Road District -3 \$10.03 6/13/2014 TALTON STEVEN W E 18.22 8.55 73103 1198 42.03 TRUCK-HERBICIDE E 0.55 \$23.11 4/13/2016 72162 1012 9/23/2016 72940 1198 TALTON STEVEN W 2 26.45 6.56 \$14.82 72150 1012 t. 39.52 0.56 \$22.14 9/23/2016 TOJCK-HERBICEDE Road Id - 000070+ COVE SPRINGS BOAD Activity 14 401 Herbicide Treatment Road District -4 5/12/0616 1178 TALTON STEVEN W ŧ. 18.22 8.55 \$10.83 72017 \$16.57 12077 0815 PICKUP t 19.21 6.55 5/13/0016 73977 1130 OUTHERY THOMAS t 15.66 0.55 \$8.62 5/12/2014 1.00 72514 1198 TALTON STEVEN W È. 18.22 \$18,22 6210916 I. 1.00 \$42.01 42.03 72116 1012 TRUCK-HERBICIDE 6030016 \$23/2916 72.642 1198 TALTON STEVEN W ł. 18.22 8.52 \$9,48 18.07 8.52 \$9.40 \$23/2016 72162 0814 PICKUP t 72162 H100 E. 15.66 0.52 \$8.55 \$23,0016 OUTHERY THOMAS 6.71 \$12.94 72.647 1198 Ľ 18.22 9/15/2016 TALTON STEVEN W 72187 1012 TRUCK-HERBICIDE 39.52 0.71 \$28.06 979/2016 t. Road Id - 00075: COX GAP ROAD Activity Id. 401. Herbicide Treatment Road District -3 TALFON STEVEN W 18.22 1.50 \$27.33 5/16/2016 73075 1198 E. Ŀ. 10.23 1.55 \$28.82 1/10/3016 72015 083-8 PICELIP t 15.66 1.55 OUTHERY THOMAS \$23.49 5/16/2016 72075 1530 6/2/2016 72993 11166 TALFON STEVEN W E 18.22 2.50 \$45.55 2.50 5/2/2016 72099 1012 TRUCK-HERBICIDE E. 42.01 \$105.68 1298 TALTON STEVEN W ł. 18.22 0.43 \$7.84 6/15/2016 72104 6/15/2016 72164 1012 TRUCK-HEILBICIDE E. 42.00 6.45 \$18.67 18.22 1.00 518.22 \$1/2016 72140 1198 TALTON STEVEN W E. Ŀ 18.07 1.50 \$18.07 \$1/2016 12143 0814 PERMIT 15.66 t 1.00 \$15.88 \$/1/2016 72143 1550 **GUTHERY THOMAS** 8/2/2014 72144 1198 TALTON STEVEN W E. 18.22 0.50 \$9.12 \$7.64 72144 0814 t 18.07 0.50 8/2/2014 PICEUP \$1.83 **GUTHERY TIKIMAS** £ 11.66 6.53 \$/2/2016 72144 1330 \$18.22 9/8/2016 2112 1198 TALTON STEVEN W E. 18.22 1.00 E. 39.52 1.00 \$19.52 9/8/0016 72177 1012 TRUCK-HERBICIDE Road Ed - 006377-: CRANE CHICLE Activity 1d 401 Herbicids Treatment Read District -3 \$9.09 4/15/2016 72958 1530 **OUTHERY THOMAS** £. 15.66 0.58 \$24.31 4/15/2014 72058 1013 TRUCK-HERISCIDE-2000 E. 42.01 0.58 10230816 72115 1550 **GUTHERY TIKMAS** 2 22.81 6.39 \$13.46

Date	83.14	м	Description	Rate 3d	Rate	Units	Emp Cost	Equ Cost	Mat Cast	Can Car
Project M -28-018	INCOME.	THE PRO	OGRAM				0.202			700
Autors M. day	Buchteria	Trents								
Read District										
223/2014	211.14	1013	THE OWNER ADDRESS OF ADDRESS		99.62	0.10		\$25.52		
Bund Ed 0000	121.00 M	No. In Concession	DD DD		39.54	0.00		. perc. 24		
Autor March 4	Highling	Trent	Live.							
Accessly to and	1 Herrowcou	C 1 Martin	284							
220/2014	220.22	1000	CONTRACTOR NUMBER	100	111.44	20.04	111.04			
21002010	222202	13.90	TRUCK AND DO THE MODE		30.45	0.20	30.90	E15.07		
Band Ld . (990)	TALLA CREW	CA STOR	THE C. P. PERSON, M. P. PRINT		10.04			\$17.00		
Activity 14 and	Blacklein	Treater	and a second sec							
Read Distance										
Transford Posterior		1000	CONTRACTOR N TRACALAG		14.44	0.60	47.03			
224/2014	231.22	1000	TRUET, MERINARY, 1960		39.43	0.00		\$19.74		
Band Ld . 0003	10. CBO	TTTT	BY BELAD FAST		39.56	a. 24		accus.		
Autority 14, 460	Berkinker	Treater	A P BOLIND BACK							
Activity to any	1 merosco	CAPGAIN	084							
Road Destrat	7.5	11100	The state of the s	1.1	14.72	1.00	214.22			
5/6/2019	723700	1198	TALIUN STENDS W		10.00	1,00	\$18.4.4	444.71		
3/6/2016	72079	0000	PR.MAP		10.05	1.00	414.00	319-21		
3/6/2016	72970	1539	GUIDERT INCOMS	- 22	12.00	1.00	513.00			
1125/3016	723.37	1130	GUTHERY THOMAS		12,00	0.50	21.00	P10.74		
703/2016	11110	200.3	TRUCK-HEIGHLER-JIOO		39.52	0.50		211.16		
Hand Ed - 0062	904 CRO	PT IEIO	RY BOAD WEST							
Activity 54, 400	I Blerbicid	e Treatm								
Road District	-1	1.12		1.1			A			
6082016	72113	1198	TALTON STEVEN W		18.22	0.59	\$10.75	1000		
6282016	72115	0854	PECKUP		19.21	0.59	1000	311.34		
6/28/2016	72111	1100	GUTHERY THOMAS		15.66	0.59	\$9.24			
9/19/2016	72187	11300	GUTHERY THOMAS		13.66	0.00	\$10.34	Calculation of the		
9193016	72187	1013	TRUCK-HERBERCEDE-2900	- C.	39.52	0.66		218.09		
Read Id - 0002	91-4 CRO	SEY RO	AD							
Activity M. 400	Rerbicid	e Tresim	e#4							
Road District		Carta .								
6/29/2016	723.16	1198	TALION STEVEN W		18.22	8.59	\$10,75			
6/29/2016	72116	100.2	TRUCK-0400E00308		42.03	0.59		214.79		
822/2016	72161	1198	TALFON STEVEN W		18.22	1.00	\$18.22			
8/23/2016	22160	0804	PICIKUP	1.1	18.07	1.00		218.87		
\$22/2916	73161	1100	GUTHERY THOMAS		15.66	1.00	\$15.66			
Housd Ed - 0060	92-1 CRO	SLEY L	ANE							
Activity 3d 400	E Herbicid	e Teratio	081							
Road District	-3		The second second second second second second		1000	1.10.00				
0/13/2010	72100	1198	TALFON STEVEN W		18.22	0.55	210,03			
6/13/2016	72102	1012	TRUCK-BERIDCIDE	1.5	42.01	0.55		\$23.11		
9373311	72191	1198	TALTON STEVEN W	2	26.45	0.55	\$14.82	(14)		
9/23/2516	72190	1012	TRUCK-HERIHCENE		19.52	0.56		\$22.54		
Hand Id - 0062	954 CRO	SSON J0	CIAD							
Activity \$4,400	1 Herbield	e Treatm	101							
Road District	-4						10-010			
6/27/2816	72114	1198	TALTON STEVEN W	1 C	18.22	1.00	\$18.22	0.000		
602031	72114	1012	TRUCK-HERBERDE	1. C	42.01	1.00	99.43	542.00		
8/23/2016	72963	1198	TALTON STEVEN W	- U -	18.22	0.52	59.48			
8230916	72162	0814	PICICUP	1.1	18.07	0.52		35.40		
\$230216	72163	1130	GUTHERY THOMAS	- U	15.66	0.52	58,15			
9/19/2016	72187	1198	TALJON STEVEN W	F)	18.22	0.71	\$12.94			
9192916	72187	1012	TRUCK-HERBICIDE	1 C	29.52	8.71		\$28.06		
Read Ed - 0002	96: CRU	DCP BO	AD							

Activity 34 401 Herbicide Terminent Road District -3

Report Id: Rppcu012.rpt

Date	DUM	. M	Description	Rafe M	Rate	Units	Emp Cost	Equ Cost	Mat Cest	Con Cost
Project M -38-818	HERE	IDE PRO	GRAM		1000					0.00
Road Ed - 9003	No CRU	DUP BO	AD							
Activity \$4.40	I Herbield	e Treatme	riel							
Road District	-3									
7/19/2016	72533	1198	TALFON STIEVEN W	1	18.22	0.36	\$6.55	100000		
7/19/2016	72132	8992	TRUCK-HEABCIDE	1. C.	39.52	0.36		\$14.21		
Head Ed - 0003	98+ CRU	MP BOA	D							
Activity 54 -400	I Blerbició	e Treatine	ind.							
Road District	-7		CONTRACTOR OF THE OWNER OF THE			1.000				
702502916	723.37	1500	OUTHERY THOMAS		13.99	0.90	\$1.43	414.00		
Real Ed. about	12130	CORPORA IN	100.0.x-100.000-2000		39.34	4.59		PUN VIE		
Automa 14 and	Berbick	Trans								
Road District	- I	C IT CHINGS								
7/25/2016	7211.07	1110	GUTHERY THOMAS	1.5	15.66	0.50	\$7.83			
2/25/2016	72132	1013	TRACK-ARRENTOE-2000	1	39.82	0.50		\$19.76		
Road Ld - 0004	DECI	KER BO	AD							
Activity 54 400	Herbicid	Traine	- In the second s							
Road District	-3									
9(28/2014)	72197	1198	TALFON STEVEN W	£	18.22	0.55	\$16:03			
9/28/2016	72197	1012	TRUCK-HERHICIDE	E	. 19.52	0.55		\$21.74		
Road Ld - 0004	DI- DEE	HICKS I	IOAD							
Activity Id 400	Berbició	e Treatme	(m)							
Road District	-4									
5/12/3016	72077	1198	TALFON STEVEN W	1. C	18.22	0.55	\$18.85	1926517		
5/12/2016	72077	0815	PICKUP	1	19.21	0.55	1000	\$19.57		
5/12/0916	72077	1530	GUTHERY THOMAS		15.66	0.55	\$8.62			
Road Id - 0004	22-4 DEE	NIX BO.	UD .							
Activity 1d 401	Berbicid	e Trenime	red .							
Road District	100000	1.000	The set of	612	14.77	1000	1000			
5/16/2019	72088	1198	TALIUN STEVEN W	1.1	18.22	0.00	212.13	CRIME C		
2016/2016	72080	11750	CETTINEN TRACKLES		15.66	0.01	1010.00	912.50		
6/16/2016	71616	1100	TALTING STEVEN W		18.22	4.50	\$10.75			
6/29/2015	72105	1012	TRUCK-ASSESSMENTER		42.01	0.59		\$34.79		
8/23/2016	72163	1198	TALTON STEVEN W	200	18.22	1.00	\$18.72			
8/22/2016	72168	0814	PICKUP		18.07	1.00		\$18.07		
8/22/2016	72164	0921	HERRICIDE-GARLON 3-A	GALLON	32.99	1.00			\$32.99	
8/22/2014	72164	0910	HERBICIDE-MEMA (TABOR	IT GALLON	21.46	1.00			\$21.46	
8/33/3016	72168	2000	WATER.	GAL.	0.09	30.00			\$0.00	
\$/23/2016	72160	1530	OUTHERY THOMAS	1	15.66	1.00	\$15.66			
Road Ld - 0004	Die DELL	LEE AVE	INCE							
Activity M 401	Herbicide	e Trealme	and the second se							
Road District	- II-									
8/24/2016	72863	1158	TALTON STEVEN W	L.	18.22	4.67	\$12.21			
8/34/3016	72163	0814	PICKUP	L	18.07	9.67		\$12.13		
8343016	72163	1530	GUTHERY THOMAS	1 C	15.66	8.67	510.90			
Road 1d - 0004	QT4 DEL3	MONTC	INCLE							
Activity Id 401	Horbicid	Treatme	and the second se							
Road District	1.2		and and an an an and a start	200	1000	1222	2000			
4/21/2018	72060	1330	OUTHERY THOMAS		13,66	0.00	\$10.34	400.00		
4/21/2016	72060	1013	TROCK-#23(BRODE-2000		42.01	0.00		MCO		
941/2006	72119	1198	TWEST AND STRATED AS		08.22	0.43	21.94	47.74		
W1(2005	12171	0816	CONTRACT DISCOURSE		18.07		100.00	21.14		
W122096	10100	11700	CETHERY TROUGH		12.99	0.00	47.43			
805000	Think	1043	THEY SEPARATE		35.55	4.50	21.80	\$19.76		
Read Id - Other	TR. DET	MONTO	RIVE		1000	0.000		and and		

Activity M 401 Horbicide Treatment

Date	DJM	м	Description.	Ratic M	Rate	Caib	Emp Cost	Equ Cost	Mail Cost	Con Cos
Project 1d -25-018 Read 5d - 0004	MERDIC 25-: DELA	IDE PRO	IGRAM RIVE							
Activity 18 401	Herbicid	Treatm	ent							
Read District	-2	41232								
4/31/2016	12060	1530	OUTHERY THOMAS	1.1	15.66	0.65	\$10.34			
4/21/2016	73060	1013	TRUCK-HERBICEDE-2000	1.1	42.01	0.66		\$21.73		
9/3/1916	72172	1198	TAUTON STEVEN W	1.1	18.22	0.71	\$12.94			
9/3/2014	21123	10014	PICKUP	122	18.07	0.71	0410-013	\$12.83		
9/3/3816	72172	1530	DURING Y THOMAS	2	32.81	0.71	\$16.20			
Read M - 0004	Mr DEN	NEV BO	AD		100.00	0.000	a coste 1.			
Accidental data	Herbield	Territor	and land							
Boad District	-1									
4187946	12042	1104	TALTON STEVEN W		18.22	0.12	39.48			
4187616	21957	1017	TRUCK-HERBERTS	1.1	42.01	6.52		\$21.85		
4170814	72106	1196	TALTON STEVEN W		35.45	0.34	\$10.06	1000		
4377944	221034	1017	THURSDAY, HERBACHTER		42.01	0.26		\$15.90		
0/27/2014	Think.	1100	TAI TUN STEVEN W		18 22	6.45	\$8.30			
00000000	91096	1007.0	THE CO. LEWIS CO.	10	10.57	0.45	20.20	\$17.79		
Band Ld . 0004	27.4 DOR	INS BO	AD.			10.00				
Autom 14 Att	Washington in	Trents	and a							
Arrively he dos	Herberto	e i pratos								
House District	-		WAT THIS STREET, SP	10.0	44.97	1.00	518.22			
9/2/02/19	21114	1198	TALION SCEVEN W		47.04	1.00	010.00	501.01		
4/21120246	72214	10012	THUCK-HUCKING IN		40.00	0.00	812.04	342.01		
W1962050	12187	1198	TALTUN SCEVEN W		10.04	0.11	31,2.94	534.06		
9192910	72187	17.4.000747	THUCK-HERON, IL/II	10	20.04	0.75				
House bd - 9994	28-2 1004	UASA.	S BOLGED							
Activity 14 401	Herbscoo	e l'reatine	res							
Maad District			THE PARTY PROPERTY AND		10.00	1.06	616.22			
6/3/2010	12094	1158	DALIGN SCEVEN W	1.2	10.21	1.00	318.64	100.00		
60,02816	7,2004		CONCERNING AND ADDR		19,23	1.00	277.64	315.41		
6/3/2916	12094	1530	OUTHERT THOMAS		10.00	0.10	510.97			
6/14/2010	12240	1198	TALION SCEVEN W		18.22	0.28	300.51	10000000		
4/04/2000	721088	0002	TRUCK-HERBERT	10	42.01	0.28	710.01	304.77		
90222999	72190	1150	TALTON STEVEN W	1.1	18.22	0.33	\$29.00	454.54		
WZ222006	72190	1012	THUCK-HERBICIDE		39.54	0.00		343.14		
Read 14 - 9004	49-5 DOG	MOOD	DISCI VIL							
Activity Id 491	Herbicks	e Tresimo	end							
Mand District	-			200						
4/26/2010	1206.9	1158	TALTON STEVEN W	1.0	18.22	0.50	\$9.10	414.00		
4/26/2006	72963	1012	THUCK-HERBERRE		42.05	0.50	44.74	321.01		
1082006	15121	1159	TALTON STEVEN W		10.44	0.33	36.13	414.63		
7582000	721.11	1012	TRUCK-HERBELDE	1 C	. 39,52	0.00		314.00		
Scad 14 - 9994	454 0004	woop	IRAIL							
Activity 5d 401	Herbicid	e Treatm	104							
Basd District	(a)									
6/15/2016	12104	1158	TALION SILVEN W	1	18.22	0.43	\$7.84			
6/15/2000	72194	1012	TRUCK-HERBICIDE		42.01	0.40		218.01		
Read 1d - 0004	82< DOU	BLEAC	310.1.6							
Activity Id. 401	Herbicid	e Treslus	ref							
Road District	- J		10.200 million 2010	210	02250	10.12	2022			
6/17/2016	T2166	1198	TALTON STEVEN W	2	26.49	0.38	310.06			
6/12/2016	72106	1012	TROCK-HERINCIDE	1	42.01	0.38		303.97		
Read Id - 6994	88-; DB, 3	ENKIN	S LANE							
Activity 1d 401	1 Horbicisk	e Treaim	ret							
Read District	-4									
3/12/2016	72077	1298	TALTON STEVEN W	1 I.	18.22	0.55	\$10.03			
5/12/2016	72977	0815	PICKUP	1	19,21	0.55		\$10.57		
5/12/2016	12017	1530	GUTHERY THOMAS	1 C	15.66	9.55	\$8.42			
6/24/2016	72112	1198	TALTON STEVEN W	3	26,45	9,50	\$13.23			

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ETOWAH COUNTY - DOCUMENT SET 5-6

Mat Cost Con Cost Date Units Eqs Cod IN M Rate M Rafe Emp Cost м Bescription Road Ed. - 000455 <: DR. JENKINS LANE Activity Id 401 Herbicide Treatment **Road District -4** 6/24/2005 70112 1012 THUCK-HERINCEDE ii. 纪时 6.50 \$21.01 8/18/2016 12158 1158 TALTON STEVEN W H. 18.22 6.55 \$9.11 H. 18.47 6.55 \$3.24 6614 8182044 72158 PECKUP ı. 15.66 0.55 \$7.83 \$182016 32158 1538 GUTHERY THOMAS 22184 TALTON STEVEN W I 18.22 6.31 \$12.94 9/16/2016 1154 72184 1012 TRUCK-HERBICIDE T. 39.52 8.71 \$28.66 9/16/2016 Read Id - 900456-: DRY CREEK LANE Activity 1d 401 Herbickle Treatment **Road District** -1 \$11.87 6242016 2 22.81 6.52 72112 1538 GUTHERY THOMAS 42.61 8.52 \$21.85 6242916 73112 1013 TRUCK-HERBICIDE-2000 В. Baad Id - 000457+ DUCK SPRINGS ROAD Activity 52 -401 Herbicide Treatment **Road District** -3 3/10/2014 1158 TALTON STEVEN W . 11.22 1.50 \$27.33 72075 \$28.82 5160316 73075 0814 PICICUP II. 19.21 1.50 12.99 1.00 \$32.99 5163016 73679 0921 HERRICIDE-GARLON 3-A GALLON \$14.13 5/10/3016 72079 0911 HERINCIDE-2,4 D AMINE GALLON 14.13 1.00 GAL. 4.60 55.00 \$0.00 5/16/2016 73073 2000 WATER 22075 15.66 1.50 \$23,49 \$16/3016 1136 GUTHERY THOMAS ĸ 3.00 \$118.80 72992 TALTON STEVEN W 23.76 6/1/2016 1198 5 6/1/2018 720802 1012 TRUCK-HERBICIDE ŧ. 42.01 3.00 \$210-08 7.50 \$160.95 6/5/2036 73892 0908 HERINCIDE-MEMA (TABOET GALLON 21.46 15.00 7.55 \$135.00 73092 0905 HERBICIDE-DIURON 4L GALLON 6/1/2016 54.71 HNT 8.71 1.00 6/1/2014 73092 0928 HERINCIDE-GROUND ZERO 73593 WATER GAL. 0.00 1,000-00 \$1.00 61/2016 2000 22093 1198 TALTON STEVEN W E. 18.22 1.50 \$45.55 62/2016 E. 42.01 \$505.65 6/2/2016 72093 1012 TRUCK-HERBICIDE 2.506/2/2018 72993 0995 HERBCIDE-MISMA (TARDET GALLON 22.46 1.50\$160.95 15.00 \$135.00 62/2016 72093 090.6 HERBICIDE-DILIRION 4L GALLON 1.50 HERBICIDE-OROUND ZERO 8.71 \$8.71 67/2016 72090 0928 PINT 1.00 \$3.00 6/2/2016 72090 2080 WATER CAL. 0.00 2,000.00 63/2036 73094 1198 TALTON STEVEN W ł. 18.72 1.00 518.22 4/3/2038 72064 6834 PECKLP в. 19,21 1.00 \$19.21 63/2016 73994 1530 GUTHERY THOMAS 2 22.81 1.00 \$22.81 81/2016 72540 1198 TALTON STEVEN W £. 18.22 1.00 \$18.22 \$1,2016 72143 0854 PICKUP E. 18:37 1.00 \$18.07 8/1/2016 71540 1530 GUTHERY THOMAS ŧ. 15.66 1.00 \$15.66 9/6/2016 72575 1198 TALTON STEVEN W I. 18.22 1.00\$36,44 945/2016 72175 0854 PICKUP ŧ 18.07 3.00 \$36.54 945/2016 72173 1130 GUTHERY THOMAS t 15.66 2.00 \$21,32 72176 1195 TALTON STEVEN W 18.22 2:00 \$36.44 97/2016 £. 977/2016 72136 1012 TRUCK-HERBICIDE t 39.52 2.00 \$79.04 97/2036 72176 0921 HERBICIDE-GARLON 3-A GALLON 32.99 36-00 \$985.75 2066 WATER GAL 9.00 2,000.00 \$2.00 97/2016 121.76 TALTON STEVEN W 18.22 \$18.22 9/8/3036 21177 1198 Б 1.50 39.52 1.00 \$39.52 9/8/2014 72177 1012 TRUCK-HERBICIDE t 922/2014 721990 TALTON STEVEN W II. 18.22 6.65 \$11.85 1198 39.52 \$25.00 72190 1012 TRUCK-HERBICIDE ŧ. 0.65 9/23/2016 \$494.85: 902/0016 72190 0921 HERBICIDE-GARLON 3-A GALLON 32,99 13.00 14.71 9/22/2014 72196 0928 HERBICIDE-GROUND ZERO PDG 1.71 1.00 GAL \$5.00 902/0016 72190 2000 WATER. 0.00 1,000.00

Road Id - 006460 - DURHAM ROAD

Activity 34 401 Berbicide Treatment

Road District -4

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Date	DJ M	M	Description	Hate 14	Rate	Cinits	Exp Cost	Equ Cost	Mat Cest	Con Cost
Project Id -28-008 Read Id - 0004	MERRIC	IDE PRO	HGRAM AAD							
Activity Id. 48	t Herbicid	Trutm	and the second se							
Road District	-4									
6/29/2006	72116	1158	TALTON STEVEN W	1.1	18.22	0.99	\$10.75			
6/29/2016	22116	1012	TRUCK-HERBICEDE	1	42.01	0.59		\$24.79		
Hand Id - 0004	73. EDW	ARDS B	DAD							
Activity Id. 40	I Harbicide	Treatme	cert .							
Road District	-4									
6/24/2016	22112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.20			
6/24/2016	22112	1012	TRUCK-HERBICIDE	1	42.01	0.50	10.00	121.01		
9/16/2016	12184	1198	TAUTON STEVEN W		18.22	0.71	\$12.94			
9767916	771984	1012	TRUNK-ARRENTED		39.52	0.71		\$18.64		
Band Ld - 0004	The ROAD	PT MOU	NTAIN BOAD		1000			10000		
Activity M. 40	I Harbirth	Trents	and a second s							
Read District										
5/11/2014	15056	1110	TALLING STRUCK W	1.1	18.22	0.50	100.11			
6/11/04/6	220200		PACTOR STORES IN		19.21	0.00	300,000	99.61		
57110200	Tables .	1100	CONTRACTOR NO TRACTACIÓN		10.00	0.50	67.63	20081		
10110010	20100	1100	TALENA PROVIDENCE		18.55	4.65	510.00			
121/2010	71.000	1190	TALFUN STEVEN W		41.01	0.57	3100.00	Careford 1.		
6213010	743999	1100	THUR, RPERSON, S.M.	100	46.01	0.22	212.00	843.11		
8103016	72151	1198	DALIGUES STEVEN W	10	18.25	0.00	312,00			
#10/016	701090	0824	PROKOP		18.07	0.00	A	2012/0		
8102916	323.51	1100	OUTHERLY THOMAS		13,66	0.00	\$10.54			
9/28/2016	22185	1198	TALTON STEVEN W		18.22	8.55	\$10.00	10000		
9/28/2916	7(19)	0002	TRUCK-HERBERSE		39.52	0.55		\$21.74		
Hand Ed - 0004	76-c EG11	PT ROA	D							
Activity 14:40	I Herbicid	Treates	ced .							
Road District	1.4		National and the	2111	1.000	112222	10000			
51112016	72976	1196	TALTON STEVEN W		18.22	8.50	39.11	27 autor 1		
5/11/2016	73076	0814	PICKUP	1.5	19.21	0.50		\$9.61		
2/17/0016	23076	10021	HERBICIDE-GARLON 3-A	GALLON	32.99	1,10			\$32.99	
5/11/2016	72076	0951	HERRICEDE-2,4 D AMINE	GALLON	14.13	1.00			\$14.13	
5110916	72076	2000	WATER	-GAL	0.00	2,000.00			\$0.00	
5713916	72876	1150	GUTISERY THOMAS	1	15.66	0.50	\$7.83			
6/26/2016	72108	1198	TALTON STEVEN W		18.22	0.88	\$16.04			
6292816	72108	1012	TRUCK-HERBICINE		42.01	0.88		\$34.97		
4/20/3916	72108	0910	HERBICIDE-MIMA (TARGE	IT GALLON .	21.46	15.00			\$321.90	
6/20/2016	72108	0916	HERBICIDE-DURION 4L	GALLON	18.00	15.00			\$278.80	
6/20/3916	73108	0928	HERBICIDE-GROUND ZERI	0 PINT	8.71	1.00			58.71	
6/20/2016	72108	2000	WATER	GAL	0.00	2,000.00			\$3.00	
8/10/2016	723.54	1188	TALTON STEVEN W	1	18.22	0.36	\$13.85			
\$102916	72531	0804	PICKUP	1.5	18.07	0.26		\$13.74		
\$1002016	72151	0110	HERBICIDE-MISMA (TARGE	IT GALLON	31.46	1.00			\$21.46	
\$/16/3916	72550	10011	HERRICIDE-2,4 D AMINE	GALLON	13.68	0.55			\$6.84	
8103916	72558	2000	SCATER	GAL	8.00	50.00			\$8.00	
8102016	32351	1530	OUTHERY THOMAS	1	15.66	0.76	\$11.91			
\$152016	22155	1198	TALTON STEVEN W		18.22	0.77	\$14.00			
\$130916	22133	0814	PICKUP	8	18.07	0.77		\$13.92		
815(2016	719.55	1530	OUTHERY THOMAS	1.1	15.66	0.77	\$12.06	100000		
9230846	72796	1198	TAUTON STEVEN W		18.22	0.45	58.20			
9727516	22196	1012	TRUCK-HERINGTON		19.57	0.45		\$17.79		
9/74/7014	12941	1100	TALTON STEVEN W		18.25	0.65	\$11.81			
0.040044	97497	And D	TRUCK HERBING		38.53	645	1000	121.00		
100000000	22102	10004	NUMBER OF STREET	GALLEN	10.00	15.00			Sala in	
0.000.0010	221404	0000	Management Concerning and	() BODY		1.00			64.11	
0.0002010	1014001	0.928	NATURE OF CONTRACTORS AND ADDRESS	and a state	8.71	1,000,000			20.00	
10.0002010	101101	-1000	200108	1.174	0.00	1,000,00			347.748	

Boad Id - 000478 - ELBERT STREET Activity Id 401 Herbicide Treatment

Units

0.55

0.53

6.36

8.36

8.71

4.78

0.35

0.55

0.55 8.99

0.59

8.50

8.50

8.50

0.71

0.71

6.38

1.34

15.66

39.52

18.22

Emp Cast

\$8.36

\$5.64

\$11.12

\$10.03

\$8.62

\$9,34

\$7.83

\$12.94

\$5.96

\$9.09

\$13.46

\$12.94

511.12

Equ Cost

\$22.27

\$14.23

\$29.83

\$2.54

\$23.32

\$19.76

STLRI.

59.04

\$28.06

\$21.01

\$28.06

\$15.82

\$24.37

\$23.32

\$12.83

Date	DJ 14	. M:	Description	Bate Id	Rate
Project 3d -28-803	HIREBURDC	IDE PRO	GRAM		
Baad 1d - 0004	78-1 KLBI	RTSTR	EET		
Activity \$2 48	I Herbicid	Treatme	end .		
Road District	14				
6/7/2016	72097	1530	GUTHERY THOMAS	1.0	15.66
6/7/2016	73991	1012	TRUCK-HERBICEN-2900	1.1	42.01
9/26/2016	72795	1130	GUTHERY THOMAS		15.66
9/26/2016	72199	1015	TRUCK-HERBICRDE-2000	1.5	39.52
Road Ed - 9004	IN: ELLI	OFT RO	AD		
Activity 14 49	1 Herbicid	Treating	int i		
Road District	-3				
6/8/2016	72998	1530	GUTHERY THOMAS	1.0	35.66
6/8/2016	73098	1013	TRUCK-HERBICIDE-2000	8	42.01
\$31,3916	72169	1158	TALTON STEVEN W	R	18.22
\$31.2916	72169	0814	PICICIP	1.0	18.07
8/31/0016	72349	1150	GUTHERY THOMAS	1.5	15.66
8/13/2016	72181	1550	OUTHERY THOMAS	1	15.66
913/2016	72181	1012	TRUCK-HERBICIDE-2000	1.5	39.52
Read Ld - 0004	81- ELLI	OTTLA	NE BOAD		
Activity 34 40	I Herbields	Treatme	and the second se		
Road District	-1				
105/0016	72137	1530	OUTHERY THOMAS	R.	15.66
705/2016	12137	1015	TRUCK-HERBICIDE-2000	1	39.52
Road Ld - 0004	83+: ELLI	SON DR	IVE		
Activity 54 400	f Herbichh	Treatme	net -		
Road District	-4				
6/04/0916	71112	1198	TALTON STEVEN W	2	26.45
and the second second	Country of the local sectors.	1.000	many is in the second s		

Weinersta an and	1 Destances	111100	191				
Read District	-4						
6/24/2016	71111	1398	TALTON STEVEN W	7	26.45	0.50	\$13.23
6343016	72113	1012	TRUCK-HEIRIGDE	1.5	42.04	0.50	
8/18/2016	22158	1118	TALTON STEVEN W	1.5	18.22	0.50	\$9.11
8/18/2016	72158	0834	PICKUP	1.1	18.07	0.50	
8/18/2016	72158	1130	GUTHERY THOMAS	- E.S.	15.66	0.50	\$7.80
9/36/2016	72184	1198	TALTON STEVEN W	- KS	18.22	6.71	\$12.94
9/16/2019	72184	1012	TRUCK-HERBICIDE		39.52	0.71	
Road Id - 0004	85+ ELRO	OD MOU	NTAIN BOAD				
Activity 1d 401	1 Herbicide	Treatme	iel i				
Read District	-4						
6/24/2016	72512	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23

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6/34/3916	72812	1198	TALTON STEVEN W	2	26.45	
6/34/3016	721.02	1012	TRUCK-HERBICIDE	1	42.01	
916/2016	721984	1178	TALFON STEVEN W	10 C	18.22	
9/16/2016	72184	1012	TRUCK-HEILINCIDE	1.5	39.52	
Road 1d - 0004	66+ ELRO	OD BOAL	D			

Activity Id 401 Herbicide Treatment

and the second second	 Contract of the local division of the local		
The local division of	 and the local division of the local division	-	

3/19/2016	73533	1130	GUTHERY THOMAS
2/19/2016	12132	163	TRUCK-HERBICEN-2000

Road Id - 000491+ ESTES ROAD

Activity 3d 400	Berbicidi	Treatme	and the second se			
Read District	-3					
4/19/2016	72058	1530	GUTHERY THOMAS	10.1	15.66	0.58
4/19/2016	72058	1013	TRUCK-HERBICENE-2000	1.	42.01	0.58
102/2016	72136	1530	GUTHERY TIKIMAS	2	22.81	0.59
102/2016	72135	1013	TRUCK-HERBICIDE-2000	1.1	39.52	8.59
8/36/2018	72968	1198	TALTON STEVEN W	1.1	18.22	6.71
8/30/2016	22168	0824	PSCIQUP	1	18.07	6.51
830/2016	72568	1530	GUTHERY THOMAS	100	15.66	0,71
Road Ld - 0004	98.; FAIR	STEW C	OVE BOAD			

Activity 5d 401 Horbicide Treatment

Road District -4

4/12/2014	73977	1.1908	TALT	IN STR	IVER	e w
	1.00101.011		10.000	ALC: 10 11		

27 of 137

Mat Cost Cost Cost

0.55	\$10.03

		- 22				a factor		1000	March 199	1000
Date	100 10	No.	Description	Balle 1d	Eatr	Users	East Cast	Equition	Mat Cost	Con Cast
Project 3d - 28-818	S DATESTING	THE PRO	KURAM							
Hoad Id - 0004	DB-C FAIR	WIEW C	OVE RDAD							
Activity M. 40	I Herberid	e Treatme	191							
Read District	- Marrie	Cases.	and the second second	2.11	1000	1.11		10000		
5/12/2016	72077	0815	PROKOP CONTRACTOR		19.21	0.35	100.00	318.37		
3712/2010	2010/1	1100	GUTHERY THOMAS		12,00	0.35	38.62			
8183016	221,58	1108	TALIDON STRATIN W		18.23	0.50	2011			
W1W2016	725.58	100.00	PRINTP		18.07	8.99		Do be		
N10/2010	72158	1320	GUIDBLET THOMAS		13.80	9.50	\$1.03			
Hourd Id - 0004	PP-C FAIR	OTHER D	OCTVE.							
Activity to 40	a mermene	e sremme								
stond Destruct	-1	1000	CONTRACTOR N TORONTO		10.00		44.43			
4/18/2016	22033	10.00	OUTHERT THOMAS		13.00		30,43	#10.00 M		
4/18/2018	12037	100.0	TALK STREET, S		42.01	0.41		\$15.72		
5/6(2016	72972	1096	DALTON STEVEN W		20.43	5.00	\$132.25			
5/6/2008	72012	0824	PRAMP	in a second	10.21	5.00		306.05	1000	
5/6/2026	12012	0910	HEIGHUCSDE-MISSIA (TARGE)	CALLON	21.40	1.00			3.21.400	
5/6/2006	72012	0001	MISCILLANDOUS	EACH	0.00	1,00			\$0.00	
5/6/2005	72072	1500	GUTHERY THOMAS	2	22.81	5.00	\$114.05			
3/13/2016	72078	1198	DALTON STEVEN W	2	26.45	2,50	366.13			
5/13/2016	72078	0814	PICKUP	1	19.23	2.50		\$48.83		
5/13/2016	72078	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	2.00			\$65.98	
5/13/2016	72078	0911	HERBICIDE-4,4 D AMINE	GALLON	14.13	0.25			\$3.54	
5/13/2016	72078	0912	HERBRCIDE-ROUNDUP(OLY	GALLON	14.49	2.00			\$28.98	
5/13/2016	72078	1530	GUTHERY THOMAS	3	22.81	2.50	\$17.03			
6/34/2016	221.12	1530	GUTHERY THOMAS		22.81	0.52	\$11.87			
6242016	72112	1613	TRUCK-HERINCIDE-2000	1	42.00	0.52		\$21.85		
7/29/2016	72130	1198	TALTON STEVEN W	1	18.22	1.50	\$27.53			
3/26/2016	72133	0814	PSCKUP	E	18.07	1.50		\$27,11		
3/25/2016	72133	.1530	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
9/13/2016	72181	1530	GUTHERY THOMAS	E	15.66	0.59	\$8.24			
9/13/2014	72181	1013	TRUCK-HERBICIDE-2008	1	39.52	0.59		\$23.32		
\$129/2016	72198	1198	TALTON STEVEN W	1	18.22	1.50	\$22.33			
\$(29,2016	72198	0814	PROUP	1	18.07	1.50		\$27.11		
9/29/2016	72198	1530	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
Read 1d - 6905	00+ FAIR	VIEW B	DAD							
Activity 1d 481	E Herbickk	r Treatme	int.							
Road District	-2									
4182016	12097	1530	GUTHERY THOMAS	1.5	15.65	0.57	58.93			
4782004	72057	1013	TRUCK-HERINCIDE-2008	T	42.01	0.57		\$23.95		
4/18/2016	72657	2000	WATER	GAL.	0.00	2,000.00			\$0.00	
6/18/2006	72057	1199	HERBRIDE-2.4 D AMINE	GALLON	14.13	22.50			\$317,93	
418/2014	72657	0936	HERENCIDE-SULFOMET	1.0	28.05	1.88			\$32.60	
4/18/2016	72657	092.8	HERMCHIN-GROUND ZERO	PINT	8.71	2.00			\$17.42	
478/2006	72057	-0933	PICKUP	1	19.31	0.25		\$4.81		
6/24/2016	72112	1536	OUTHERY THOMAS	2	22.81	0.52	\$11.87			
6/24/2016	72112	3813	TRUCK-HERINCEDE-2000	1	42.02	0.52		\$21.85		
8/85/2004	32155	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
8/15/2016	72155	-0814	PECKUP	1	18.07	0.76		\$13.24		
815/2016	72155	8908	HERINCIDE-MSMA (TARGET	T GALLON	21.46	2.00		Gel Concella	\$42.92	
8152006	23153	0925	RERINCIDE-GARLEIN 3-A	GALLON	32.99	2.00			\$65.98	
815/2014	72155	2000	WATER	GAL	0.00	100.00			\$0.00	
815/2014	72155	1530	GUTHERY THOMAS	1	15.66	0.76	\$11.91			
8010014	72169	1196	TALTON STEVEN W	1	18.72	0.55	\$39.93			
\$910016	73069	0514	PICKUP	1	18.67	0.15		\$9.94		
8/11/2014	72169	1530	GUIDERY THOMAS	1	15.66	0.55	\$8.62			
911/2014	72181	1530	GUTHERY THOMAS		13.66	0.54	38.77			
913/2014	72181	1013	TRUCK-HERBICIDE-2000		39.92	0.54		\$22.14		
9/29/2014	72198	1198	TAUTON STEVEN W		18.22	2.40	345.55	12-12-12-12-12		

Date	DIM	M	Description	Rate Id	Rett	Units	Emp Cost	Eqs Cost.	Mat Cost	Con Cost
Project M -28-818	HERIOC	IDE PRO	GRAM	2020		-22.42	Section 25		-0.005-0	
Read Id - 00050	90-; FAIR	NIEW S	(DAD							
Activity M 401	Herbicid	e Trealm	est la							
Road District	-1									
9/29/2016	72198	0834	PICKUP	1.	18.07	2.90		\$43.18		
9/29/2016	72198	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	1.00			\$32,98	
9/29/2916	72198	0910	HERBCIDE-MSMA (TARCE	T GALLON	21.46	1.00			\$21.46	
9/29/2016	72198	2000	SCATER.	GAL	0.00	58.00			\$0.00	
9292016	72198	1900	GUTHERY THOMAS		15.66	2.50	\$09.15			
Boad Ld = 00050	661 FELL	X STRE	ET							
Activity Id 400	Herbicid	e Trestas	east							
Road District	-1			3.7			10000			
6/2/1/2016	72114	1330	OUTHERY THOMAS		15,66	0.59	\$9.24	122220		
6/27/2016	72114	1013	TRUCK-MEMBRIDE-2900		42.01	0.59	1.1.2	314.79		
8060016	72195	1530	OUTBERY THOMAS	1	15.66	0.36	\$5.64			
9363016	72195	1013	TRUCKNERBICIDE2000		- 39.52	0.36		514.23		
Road Ld + 00051	11 × 1182	TONES	RIDAD							
Activity 51 481	Derbicid	e Trealine	tel las							
Read District										
5/11/2016	72976	1198	TALTON STEVEN W		18.22	0.50	39.53			
5/11/2016	72036	0814	PICKUP		19.23	0.50		59.61		
3/10/2016	72076	1330	OUTHERY THOMAS		15.66	0.50	87.83			
6/23/2016	72111	1198	TALTON STILVEN W		18.22	9.50	39.11	1.000		
623/2016	72111	1012	TRUCKPERDICIDE		42.01	0.50		201.01		
9/21/2016	12189	1198	TAL DOW STEVEN W		18.33	0.66	\$12.05	and an		
9/21/2018	72189	1112	TRUCK-RERIDICIDE		39.51	18.60		\$28.09		
Read 1d + 00051	124 1111	STERR	YROAD							
Activity 51 481	Herbirid	e Treafine	test .							
Band District	-1					1000	1.000			
6/7/2016	72697	1520	GUTHERY THOMAS		15,66	0.53	\$8,30			
6/7(2016	72097	1013	TRUCK-HERBICIDE-J000		42,03	0.53		\$12.27		
9/26/2016	72199	1330	CUTHERY THOMAS		13.66	9.36	35.64			
9/26/2016	72195	1013	TRUCK-NEULINCIDE-2000		39.52	9.36		\$14.23		
Road Id - MISI	INC FOR	PVALU	EY BODAD							
Activity 1d 481	Horbicid	e Tresime	cart							
Read Destrict	-	A state	CONTRACTOR OF THE OWNER AND THE	20	1000					
4/4/2005	12046	1530	OUTHERY THOMAS		55.05	9.77	\$12.06			
4/4/2016	72046	100	TROCK-SEDIBICIDE-2900		42.01	0.77		202.00		
4/4/2016	72046	1530	CUTHERY THOMAS	1.0	13.00	0.77	\$12.06			
4/4/2010	72046	1013	TRUCK-OERDELIDE-2000		42,01	0.77	2010.00	202.35		
M3(2006	72068	1198	TALION STEVEN W		10.22	0.20	317.85	1.000 C		
5/3/2016	12069	0814	PICKOP		19.23	0.70	1000	214.00		
30302006	12000	15,90	CATHERY DR.MAS		12.00	0.00	311.91			
7/01/2016	121.94	10.00	OUTHERY THOMAS		13,00	0.99	214.00			
3/21/2016	721.94	1012	TROCK-PERMETIDE-2000		29.52	9.90	*****	80.37		
8/25/2019	72164	1158	DALION STEVEN W		18.22	0.77	214.00	#11.00		
8/33/2016	32264	0814	PREADP		18,01	0.77		213.92		
W25/2016	72164	15399	OUTHERY THOMAS		13.00	9.77	\$12,00			
90202010	72172	1179	EALTON STEVEN W		18.22	4.77	\$14.85			
90302006	32172	0814	PICKUP	Constant.	18000			\$13.92	1000	
9(2)(2010	70170	0012	HERBICIDE-ROUNDUPOL	Y GALLON	10.49	1.90			314.49	
9122616	12172	0033	HEROTALIDE-SAUGARA	-then	20.00	1.00			\$24.00	
90302016	72172	1530	CATHERY TROMAS		22.81	0.77	\$17.57			
9/28/2016	72197	13.90	OUTHERY THOMAS		13,66	2.00	\$51.32			
9/28/2016	72297	1013	TRUCK-SERIECIDE-2000		39.52	2.00		219.04		
Road 1d + 00165	De POCI	I HAWK	IS PATH ROAD							
Activity Id 481	Herbicid	Tresime	nst.							
Boad District	-3		The state of the s	1.1						
6/10/2016	12100	1194	DALTON STEVEN W	4	26,45	8.53	514.92			

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ETOWAH COUNTY - DOCUMENT SET 5-6
Dute	DIM		Description	Rate M	Bate	Units	Enp Cost	Equi Cost	Mat Cast	Cas Cas
Project Id -28-018	HERDIC	IDE PRO	GRAM							
Read 1d + 0005	13-: FOU	R HAWS	CS PATH ROAD							
Activity fill 481	Herbicid	Treatm	ent							
Band District	.1									
6/30/2016	72100	1012	TRUCK-HERBICIDE	E	42.61	0.53		\$22.27		
\$732/2004	72188	1298	TALTON STEVEN W	1.1	18.22	0.71	\$42.94			
8/02/2016	72180	1012	TRUCK-HERBICIDE	E	39.52	0.71		\$28.06		
Read 1d + 0905.	14: FOW	LER RO	LS D							
Activity M 481	Berbicid	Trestme	nst.							
Read District	-2									
4/19/2006	72058	1530	GUTHERY TROMAS	1	15.66	0.58	\$9.09			
4/29/2016	72038	1843	TRUCK-HERBICIDE-2009	1.	42.01	0.58		\$24.37		
3/22/2004	72135	1530	GUTHERY THOMAS	2	22.81	0.99	\$13.46			
3/22/2006	72135	1013	TRUCK-HERBETDE-2000	1	39.32	0.59		\$23.32		
Read 1d - 0905	Her FOX	ROAD								
Activity Id. 401	Herbicid	Treatme	int							
Read District	-2									
3/2/2016	72068	11298	TALTON STEVEN W	1.5	18.22	1.50	\$27,33			
5/2/2010	72068	0814	PICIGUP	1	19.21	1.59		\$28.82		
5/2/2016	72068	1530	GUTHERY TROMAS	E 3	15.66	1.50	\$23,49			
6/28/2004	72115	1198	TALTON STEVEN W	1	18:22	0.19	\$20.75			
6/28/2016	72115	10814	PICKUP	1	19.21	0.59	0.000	\$11.34		
6/28/2016	72115	1530	GUTHERY THOMAS	1	13.66	0.59	\$9.24			
6/1/2016	22121	1198	TALTON STEVEN W		18.22	0.43	\$7.84			
\$10046	72171	0814	PICKUP	1	18.07	0.43		\$7.78		
6/1/2016	72171	1536	OUTHERY THOMAS	100	15.65	0.43	\$5.74			
Hand 14 - 0005	No. FRIE	NUSHIP	CHURCH RD		10.00					
Arrivity 14, 481	Berlinid	Treatme	and a second second							
Band District	-4									
6/36/2014	22112	1194	TALTON STEVEN 97		26.45	0.55	815.23			
6/36/2016	20112	1017	TRUCK-HERBICIDE	1	47.04	0.58	410.00	321.00		
8/75/2004	77163	1108	TALTON STEVEN W		18.22	6.12	20.48	parties.		
8/75/2014	711425	0814	PACIEL IN CALL FROM TH		18.67	6.47		\$2.40		
8/21/2004	12163	1536	CUTHERY TROMAS	2	11.66	0.12	48.15			
Read 14 . 0005	D. FUL	INVIDE	RBOAD	1.0		1.777	-			
Auticity 14 401	Herbick	Treatme	ant							
Read Biotected										
6/20/2024	77118	1110	TALTIN STEVEN SE		18.72	0.59	103.24			
6/26/2014	Thild	1047	TRUCK ALL REPORT		47.65	0.00	****.**	\$34.76		
Band Ld . (Block)	11. 6.00	ALC: NOT NOT THE OWNER.	THE REPORT OF		14.01	0.79				
Activity 14 481	Berbield	Treater								
Band District	.1	e i realitate	ow.							
6/25/2004	17104	1100	TAUTON STEVEN IF	112	18.77	0.42	377.04			
6/01/2000	71004	1017	This way and the second	2.0	47.64	0.43		100.00		
Band Id . 6000	D. CALL	THER BO	DAD		46.65	0.44				
Automatic Id. 401	Hothinks.	Treater								
Band Biotelet										
AND DEPENDENT	200	1100	TAL YON STRUCK M	1.2	10.77	0.50	49.11			
02.02000	10000	10.00	THE PORT STREET		47.00	0.00	40.01	671.04		
Bandla Ant	IN CALL	ANT IN	OAD		61.45	0.30		411.01		
House of a state	and the state	The second	Coup							
Activity to 401	Inclusion	C L'I'CALING	THE .							
Read Destroit	- abiat	11000	In all thread distant shares and	6.5	10.00	10.00	1000			
3/31/2000	7,0079	1156	LATION SEEVEN M.		10.22	0.30	38.11			
3/81/2004	728/6	0814	PERMIT		19.11	0.50		26,91		
Sec. 12006	12016	15,90	OUTHINY THOMAS	20	13.66	0.50	30.85			
#/91/2006	12169	1198	TALTUN STEVES W		18.22	0.55	210.00	-		
6/31/2006	72069	0814	PERUP		18.00	0.55		34.24		
\$01/2006	72169	15,90	COTHERY THOMAS		15.66	0.55	38.62			
And the second sec	and the second se	THE R. LEWIS CO., LANSING MICH.								

Date	DUM		Description	Rate Id	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Cest
Project M -28-818	-TREERING	IDE PRO	GRAM	S	2000					
Read Id - 0005	41-: GAN	NON BO	AD							
Activity \$4,400	1 Herbicid	Treatm	end .							
Road District	-1						1.2017			
4/19/2016	72058	1130	GUTDERY THOMAS	1. C	15.66	0.55	38.89	1.000		
6/19/2016	72034	1013	TRUCK-HERBICE2E-2000		42.01	0.58	2000	\$24.37		
702/2016	721330	1530	GUTHERY TIKOMAS	2	22.81	0.59	\$13.46			
7/22/3916	72135	1013	TRUCK-HERIOCEDE-2000		39.52	0.59		\$0.0		
8303016	72348	1198	TALTON STEVEN W		18.22	0.71	\$12.94			
8/30/2016	72168	0824	PICKUP		18,07	0.71		\$12.80		
8302916	72568	1130	GUTHERY THOMAS		15.66	0.71	\$11.12			
Haad Id - 0005	42-1 GAR	MON RO	ILD							
Activity 14 400	Berbicid	e Treatm	ent							
Road District	-6	1	and a second second second second	1.12						
4/20/2016	72039	1198	TALFON STEVEN W	1.0	18.22	0.55	\$10.00	1 March 10 M		
4/30/3016	72039	1017	TRUCK-PERBUCER	1	42.01	0.55		20.11		
Road Id + 0005	ast GAR	BULTT IN	OAD							
Artistiy 52 401	Herbicid	e Treslate	test .							
Road District	-1				1.00.00		100000			
4/18/2019	72957	1330	OUTHERY THOMAS		13.60	0.41	36.43			
4/18/3016	72037	1013	TRUCK-GENDICEN-2000		42.91	0.01	#10.7×	347.23		
6/38/2016	7/115	11298	TALION STRVEN W		08.22	0.39	310.75			
0/18/2019	72115	10124	PR.N.P		19.21	9.29	Acr. 7.4	811.34		
028/2019	MULTINE STATE	13.00	CONTRACT FIREBOARS		13,09	8.39	30.28			
Board Id - 0000	THE GLASS	LIN RU	co							
Activity to 401	incrision	e treman	140							
Kood District		1000	TAX TOTAL STRENGTH IN		26.00	4.45	111.05			
60.62004	77100	10.00	THE CONSTRUCTION OF THE		47.01	8.45	414.00	\$13.11		
0/10/2014	211.00	1000	TAL TON STRUCTURE		18.22	4.91	817.04	- BOUGH		
003/0016	12180	1042	TRACK, ACRESSE		10.65	0.71	312,94	STR 64		
Read Id - 0005	DI GAT	AND A V R	WARD CONTRACTOR		10.04			are of		
Activity 14, 481	Backleid	Transfer								
Read District		e erenen								
ACTIVITIAN	11100	1000	TACTOR STUDIES IN		10.00	0.55	\$10.03			
6/11/2016	72100	1012	THE CONTRACTOR OF THE OWNER		42.01	0.45		123.11		
8130/0016	20143	1000	TALTICK STEVEN W	- 22	18.77	8.66	\$17.65			
\$710/2016	72151	10024	PROVIDE	20	18.07	0.66		\$11.00		
8/10/2018	231.03	1330	CETTIFEY TINALAS		11.66	0.65	\$10.54			
9/36/3016	121.05	1198	TALTON STEVEN W		18.22	0.65	\$12.00			
9/26/2016	72195	1012	TRUE'S - STER DOCTOR		39.52	0.66	410.00	\$24.09		
Band 1d - 0005	Q. GEN	EBROW	NBOAD					-		
Activity 54 -401	Rethink	Treatme								
Real District										
6/77/2016	72114	LINK	TALTON STEVEN W	1.1	18.22	1.00	\$18.22			
6/23/2016	72114	1012	TRUCK-SURDCED		42.01	1.00	0.000	\$42.00		
6/23/2016	72114	0910	HERBICIDE-MSMA (TARGET	CALLON	21.46	1.50		0.000	\$168.95	
6/27/2016	72104	0916	REDUCTOR-DISTON 41.	GALLON	18.00	7.50			\$135.00	
6/27/2016	72114	0828	HERBICIDE-CROUND ZERO	PINT	8.71	1.00			58.71	
4/33/3614	72114	3000	WATER	GAL	0.00	1,000.00			\$0.00	
9/16/2016	22184	1008	TAUTON STEVEN W		18.22	6.72	\$14.00			
6/16/2016	77184	1017	TRUCK - AND DOUBLE		38.52	0.72	300000	\$50.44		
5/16/2016	22184	0921	HERBETTE-GARLON LA	GALLON	33.99	11.00			\$494.85	
\$75,000.0	72184	0979	HERBICTUE, CROCND ZERO	PINT	8.21	1.00			58.71	
\$136,7334	72184	3900	WATER	GAL	0.00	1,000,00			\$0.00	
Read Id - 0000	SI: GEN	E DELENS	SHOAD			000000				
Activity bit 400	Herbirth	Trantes	and the second se							
Read District	-1		and the second sec							
67120016	72102	1100	TALTON STEVEN W	1.7	18.22	0.55	\$10.00			
			A COMPANY OF THE REAL OF							

East	DJM	. N	Description	Rate M	Rete	Units	Emp Cost	Equ Cost.	Mat Cest	Con Cost
Project 3d -28-813	- INTROC	THE PRO	GRAM	S	1.1.1.1		1912-0110		Contraction of the second	
Road Id - 6005	53-: GEN	EBURN	SROAD							
Activity M 40	i Herbició	e Trestm	cel							
Boad District	f =3									
6/13/2016	72102	1012	TRUCK-HERBICIDE	10.0	42.01	0.55		\$23.11		
9/22/2016	72990	1198	TALTON STEVEN W	1. I.	18.22	0.55	\$10.03			
9/22/2018	72199	1012	TRUCK-HERBORIDE	1.1	39.52	0.55		\$21.74		
Road Id - 0005	544 GEN	E WHIT	T BOAD							
Activity 14 40	I Herbicid	e Tresim	esi							
Road District	1-3									
6/10/2016	72100	1198	TALTON STEVEN W	2	26.45	0.53	\$14.02			
6/10/2016	77109	1012	TRUCK-HERBICIDE	1	42.01	0.51		\$22.27		
9/12/2014	72180	1198	TALTON STEVEN W	10 C	18.22	0.71	\$12.94			
912/2016	72195	1012	TRUCK-HERBICEN	1.	39.52	0.71		\$28.06		
Road Ld - 0005	155-1 GEO	RGEJO	HNSON RDAD							
Activity M 40	I Herbicidi	Treatm	int .							
Road District	1-3									
511/2016	72076	1198	TALTON STEVEN W	1.1	18.22	0.50	\$9.11			
5/11/2016	72076	0824	PICKUP	1.1	19.21	18.50		19.44		
5/15/2016	72976	1130	GUTHERY THOMAS	1.1	15.66	0.50	\$7.00			
6/22/2016	22110	1198	TALTON STEVEN W	100	18.72	0.91	\$16.99			
4/12/2016	77130	1012	TEXA'S		42.01	0.94	2000	\$18.25		
8/15/2016	73949	1198	TALTON STEVEN W	1.1	18.72	0.77	\$14.00	202001		
8/15/2014	77145	0854	PCALP	2.5	18.07	4.77		\$13.97		
8/15/2014	22044	1150	CONTRACTOR VIALAN	100	15.64	4.99	\$12.06	313.74		
60100016	21144	1154	TAUTON STRAFT		18.22	10.00	\$12.60			
6/21/2016	221.00	1007	THE PARTY AND ADDRESS OF	100	39.43	4.66	312.00	\$24.00		
Prod 1.4 . DOM	101-1010	EV DOL	The second secon		37.54			440.07		
Autority 24, 481	i Blackhold	Transie								
Accessly as see	· mereces									
Sound States		1.110	The second		in the later	1.00	\$10.75			
504,20100	12010	0414	THE PART OF A LOCK	100	100.20	1.00	01000	1000		
540000	220.78	1430	CONTRACT TRACAS	- 20 -	14.44	1.00	111.04	315.11		
2002000	12010	1110	CONTRACT DISCRETES		10.00	0.00	42.43			
1000000	20120	1000	CATHERY INCREAS	100	13.00	4.50	31.83	A14.55		
1025/2016	72137	100.0	TRUCK-READERDE-1990		39.20	0.20	*****	10.04		
8/25/2016	72594	1198	DVCTORE STRATE AN	100	18.22	4.77	\$14,00			
8/25/2916	12164	0814	PICKOP		18.07	0.77		213.95		
N25/2016	72104	1250	OUTHERY THOMAS	1. C	15.00	10.77	\$12.00			
Road 1d + 0005	See: GILL	n_esp	ROAD							
Activity 50 40	Ellertrood	e Trenius	est .							
Road District	1.4	1.000		200		1.000				
3/12/2016	72077	1198	TALTON STRVEN W		18.22	0.55	\$10.00	1. Ale 1. Ale 1.		
5/12/2016	7,2077	0815	PICKUP		19.21	0.55		\$10.33		
5/12/2016	72817	1330	GUTHERY THOMAS		13.66	0.55	38.62			
\$/22/2016	72160	1198	TALDON STRVEN W		18.22	1.00	\$18.22	1000		
8/22/2016	72161	0854	PICKUP	8.C	18.07	1.00	2020	518.07		
8/22/2016	72161	1139	OUTHERY THOMAS	- E.	15.66	1.00	\$13.66			
Read Id - 0009	68 GLA	DDEN L	ANE							
Activity 5d 40	1 Herbicid	e Treatme	the second se							
Read District	1-1									
4/18/2016	73057	1120	OUTHERY TIKMAS	- E .	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-BERBCIDE-2000	1.)	42.01	0.41		517.23		
7/18/2016	72130	1130	GETHERY THOMAS	1 C	15.66	0.66	\$10.34			
1/18/2016	72131	1003	TRUCK-HERBICIDE-2000	- E	39.52	0.66		\$26.09		
9/23/2016	72190	1550	GUTHERY THOMAS	2	22.81	0.45	\$10.27			
9/23/2016	72191	1013	TRIXX-HERBICIDE-2000	1. C	39.52	0.45		\$17.79		
9/29/2014	72159	1198	TALTON STEVEN W	11	18.22	1.59	\$27.33			
9/29/2016	72198	0824	PICKUP	1 C	18.97	1.59		\$27.11		
9/29/2016	72198	1530	GUTHERY THOMAS	1 C C	15.66	1.50	\$23.49			

Date	DJH	M	Description	Rate M	Rate	Units	Emp Cod	Eqs Cost	Mat Cost	Con Cost
Project Id -28-018 Road Ed - 0008	HARRING	IDE PRO DOEN R	KIRAM DAD							
Activity M 40	I Herbicid	Treatm	end to be							
Road District	-1									
5/2/2016	72068	1198	TALTON STEVEN W	1.5	18.22	1.50	\$27.33			
5/2/2018	72068	0854	PICKUP	1.1	99.23	1.50		\$15.81		
5/2/2016	73048	1120	GUTHERY THOMAS		15.66	1.90	\$23.49			
6/28/2016	22111	1.1188	TALTON STEVEN W	1	18.72	0.59	\$10.75			
6282016	22115	0854	PICKUP	100	99.21	12.59		511.34		
6/78/2016	72013	1530	CUTHERY TROMAS		15.66	4.99	\$9.24			
\$710916	77169	1198	TAUTON STEVEN W	1.1	18.72	4.55	\$10.00			
8751/5016	771-08	0814	PERMIT		18.07	0.55		\$9.54		
\$13,0916	220.60	1110	CETTIERY TIKASAS		15.66	0.54	13.62			
Band Lt . 0005	72. (31.10	NN CAP	ROAD		# 2/94P					
Autoin M. all	Barbinit	Transfer	and a second sec							
Read District		e areana								
del characterio	100.000	a miner	TAL TON STUDIES IN	100	10.00	4.45				
10120008	14010	1000	DALTON STEVEN W		18.02	0.45	1.20.64	47.74		
9910009	101110	0824	FRADE STREET		10.07		Catelline .	81.78		
991(2019	72570	11100	GUTHERY THOMAS		15,09	0.45	36.74			
913/2019	72180	15,00	OCTILET TROUGS	1.0	15.00	9.50	\$1.83	1000		
915/2016	72180	100	HUCK-HESTBURESE-1900		39.54	0.50		210.10		
Read Id + 9905	744 GL0	VERIEO	(AD							
Activity Id. 401	Berbicid	e Trusine	and the second se							
Road District	-	1.1.1		100	1.1.1.1	1222	100			
5/10/2016	72078	1198	TALTON STEVEN W		18.22	9.50	49.11	122023		
3/11/2014	72076	0814	PICKUP		19.23	0.50	2.232	39.61		
3/15/2016	72076	1530	GUTHERY THOMAS		15.66	0.50	\$7.80			
6/22/2016	22110	1198	TALTON STEVEN W		18.22	0.91	\$16.59	100000		
6/22/2016	72100	1012	TRUCK-BEILDICIDE	L	42.01	0.91	1000	\$38.23		
8/15/2016	72155	1158	TALTON STEVEN W	1	18.22	0.77	\$14.00			
8/15/2016	72195	0814	PECKUP		18.07	0.77		\$13.52		
8/15/2016	72133	1330	OUTHERY THOMAS	E	15.66	0.77	\$12.06			
9/31/2016	721.89	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/21/2016	72189	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$36.09		
Read Ld - 0005	TSI GNA	TVILLE	ROAD							
Activity 5d 401	E Herbicid	· Treatme	nat							
Read District	-2									
4/19/2016	72058	1530	OUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/19/2016	72058	1013	TRUCK-HERBICIDE-2000	1	-42.01	0.58		\$24.37		
3/22/2016	72135	1530	GUTHERY THOMAS	2	22.84	0.59	\$13.46			
7/22/2016	72135	1013	TRUCK-REREACEDE-3900	1	39.52	0.59		\$23.32		
8/30/2016	72168	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
8/38/2016	72168	0814	PRCKUP	1.0	18.07	4.71		\$12.81		
8/36/2016	721.68	4530	CUTHERY THOMAS	1	15.66	0.74	\$11.12			
Read 1d - 0005	83-; GRD	GG ROA	D.							
Activity Id. 481	Herbicid.	Treatme	real law							
Read District	.1									
6/14/2016	72100	1198	TALTON STEVEN W	1	18.22	0.58	\$10.57			
6/34/2015	72169	1012	TRUCK-BERINCIDE	1	42.01	0.58		\$24.37		
9/22/20145	72190	11998	EALTON STEVEN W	1.5	18.22	0.55	\$10.63			
9/22/2016	72190	1012	TRUCK-DERINGIDE	1	39.52	0.55		\$21.14		
Road 14 - 0005	Sec GRU	FEYRO	AAD							
Activity 14, 441	Bebiet	Treatme	end .							
Read Disator	-1									
L'ASSALL	72104	1164	TALTON COLUMN 92	100	18.22	10.00	107.64			
6/35/363.5	Think	1047	TRUE & AND DO THE	10	42.00	0.45		518.02		
3020244	231.44	1100	TALTON STEVEN W		10.00		-	Acres .		
8/2/2014	32144	0014	PROVIDE NOT W		18.07	4.50	20.11	20.04		
475-7644	100.000	1040	CALIFORNIA DI MANA ANA		15.44	0.00	0.000	20.04		
9/1/10/0	10144	1,7,961	CALIFORNIA LINCOLAS		12,00	0.00	11.11.1			

Date	DUM	. M	Description	Rate 14	Rafe	Units	Emp Cost	Equ Casi	Mat Cost	Con Cost
Project 14 -38-818	HIRIDIG	IDE PRO	GRAM	0	0.2010	- C. C. C. C.		2010000		
Boad 1d - 0005	86-r GRO	OVERR	OAD							
Activity Id. 401	l Herhicki	e Trealma	ewi .							
Road District	-3									
6/23/2916	72111	1198	TALTON STEVEN W	1.0	18.22	0.50	\$9.14			
6/23/2016	22111	1012	TRUCK-HERBICIDE		42.01	0.50		\$21.00		
9/26/2916	72295	1198	TALTON STEVEN W	- C.	18.22	0.76	\$13.85			
9/26/2916	72195	1012	TREEK-HERINGEDE	- E.S.	39.52	0.75		\$30.04		
9/26/2016	72195	0921	HERRICIDE-GARLON 3-A	GALLON	32,99	15.00			\$494.81	
9/26/2016	72199	0928	HERBICIDE-GROUND ZERO	PINT	8.21	1.00			\$8,71	
9262916	72195	2000	WATER	GAL.	9.00	1,000.00			\$0.00	
Read Id - 0005	89-: GUY	HOOD	BOAD							
Activity 14 400	Berbicki	e Treatme	(m)							
Road District	-4		0.000.0000.00000	2.5	10002	10222	1262102			
8242016	22363	1158	TALTON STEVEN W		18.22	0.67	\$12.21	200000		
8/24/2016	72160	0854	PICKUP		18.07	8.67	212.12	512.11		
824/2916	72163	1330	OUTHERLY THOMAS		15.66		\$10.30			
Head Id - 0005	97-: IIAG	GARDE	ANE							
Accessly 3d -400	Berbicid	e Trusino	and a second							
Road District	-3									
4/25/2016	73963	1198	TALTON STEVEN W		18.22	0.45	\$8.20			
4/25/2016	72962	1012	TRUK KHERDER EDE		42.01	8.0		218.91		
1/16/2016	72333	1198	DALDON STEVEN W		18.22	8.37	36.19			
118/2016	32131	1012	TRUCK-PERMICEN		39.52	0.37		\$14.53		
Road Id - 9996	ON HAL	LADARK	BOLIND							
Activity M 400	Internacio	e treatme	Cent I							
Road Destrict	-3	1000	THE R PROPERTY AND ADDRESS OF	12.5	10.00	1.00	100 44			
3/30/2016	7,30943	1198	LALION STEVEN W		10.72	2,00	320.44	100000		
535/2010	12091	0813	PROCEP		19.21	2.00	1000	208.62		
5052016	72999	1320	GUTHERY TROMAS	1.0	15.66	2,00	551.32			
0/15/2016	72104	1008	TAUTON STRAEN W		49.44		31.94	F18.07		
6/15/2019	12104	1013	TALL & PERMIT		42,01	1.10		318.07		
3/20/2045	72133	1198	DALION STRVEN W		18.22	1.50	\$27.30			
1/20/2015	12130	1000	CALIFORNIA PROVIDENCE		10.05	1.50	A11.44	347.41		
10202044	721.30	10.09	COTHERT TROBAS		12.00	5.99	343.49			
812/2010	121.04	11000	DALINA STEVEN W		18,02	8.20	307.11	40.04		
8/2/2010	22144	1100	PRACE CONTRACTOR		18.07	0.50	at 1 a b	39.04		
0.012000	101110	1000	THE STATE OF THE STATE OF		13.99	4.91	617.64			
90,00,0000	20120	0014	DALTON STEVEN W		18.02	0.71	912.34	817.85		
0/0/2010	12112	1120	CONTRACT TRACKS		20.07	4.91	814.54	312.01		
94252000	101100	1000	COURSERVE CREATER AND AND		26.01		510.00			
4/13/0614	12140	1008	TRUCK, AND DON'S	122	38.45	0.20	314.85	625.14		
Read Id - 6000	OL- HAM	MUNTE	IN IN	1.0	10.04	0.00		444.04		
Activity 34 484	Buchleid	Treater								
Read District	-4	e erennen								
1/16/2016	221.28	1100	TALTON STUNDS W		14.22	8.91	\$16.78			
136,0004	22138	1617	TRUE & STORES	- 22	10.52	4.91		834.97		
Read 14 . 0990	OF HAM	PTONM	IOUNTAIN RD	· · · ·	10.00					
Activity 14 481	Bechiefd	Treatme								
Read District	.1									
6/31/2014	72100	1100	TALTON STEVEN W		18.72	0.45	\$11.65			
6/31/3634	75100	1047	TRUCK-SERVICES		42.01	0.65	30.1.35	\$27.11		
6/31/2004	771.00	0010	HERBOTH-MOMA (TANDA)	MILLION	31.46	15.00		201.75	\$001.40	
6/11/2004	72140	0014	NEW DOCTOR, PALANTAL AV	CALLON	28.00	15.00			\$229.00	
A114,0000	Without Street	0010	LEADER AND CONTRACT OF A	PINT	10.00	1,00			88.71	
6/31/2004	Titing	3944	WATER	CAL.	0.00	2.000.000			68.00	
8/15/2004	771.00	1100	TALTON STUDIES W		10.00	8.99	\$14.00			
1000000	32164	0014	PROCEEP.		18.07	4.75	A14.00	813.03		
and the property of		1014	10.000		10,01			313.96		

Date	0.0 14	M	Description	Nate 14	Rate	Caite	Emp Cost	Equ Cost	Mat Cost	Con Con
Project ld -28-818	DEFENSIO	THE PRO	GRAM				1			
Read 1d - 0006	06+ HAM	PTON N	SOUNTAIN RD							
Activity \$2 400	Berbicid	e Trentine	ent .							
Road District	-3									
8/15/2016	72159	11500	OUTHERY THOMAS	- E -	15.66	0.77	\$12.06			
9/23/2016	72196	\$198	TALTON STEVEN W	- U.S.	18.22	0.45	\$8.20			
9233016	72196	1012	TRUCK-HERBICEDE	8 E	39.52	0.45		\$17.79		
Read Ld - 0006	09+ HAN	EY B.D.								
Activity 54 -400	Herbicid	e Treatme	(ad							
Road District	-2									
5/6/2016	72970	1198	TALTON STEVEN W	F.3.	58,22	1.00	\$18.22			
5/6/2016	72019	0814	PICKUP	1.5	19.23	1.00		\$19.21		
5/6/2016	73976	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
205/2016	72537	1130	OUTHERY THOMAS		15.66	0.50	\$7.83			
1/25/2016	72137	1013	TRUCK-HERDICRIE-2000	1.1	39.52	0.50		\$19.76		
Road 1d - 0006	10-: HAPI	PY HILL	CUTOFFROMD							
Activity 3d 400	Rerbicid	e Treatme	int in the second se							
Read District	-3									
6/15/2016	72104	11198	TALTON STEVEN W	1.1	18.22	0.43	\$7.84			
6352016	721.04	1012	TRUCK-HERBICIDE	E	42.01	0.40		518.07		
8/2/2016	72544	1198	TALTON STEVEN W		18.22	0.50	39.11			
8/2/2006	72144	0814	PICKUP	1.1	18.07	0.50		\$9.04		
8/2/2016	72144	1330	OUTHERY THOMAS	E	15.66	0.50	\$7.83			
Road 1d - 0006	II- HAP	PY HILL	RD.							
Activity 54 -400	Berbinde	Treatme	nat .							
Read District	.1									
6/3/2016	73094	1198	TALTON STEVEN W		18.22	1.00	\$18.22			
6/3/2016	72094	0814	PICKUP	1.5	19.25	1.00		\$19.21		
6/3/2005	73094	1156	GETHERY THOMAS		02.83	1.60	\$22.01			
6/16/2016	22104	1198	TALTON STEVEN W		18.22	0.22	\$13.72			
4/16/2014	72105	1012	TRUCK-HERINGTH		42.03	0.72	120103	\$50.25		
6/16/2016	72105	0910	HERDSTED-ASSAG (TARCET	GALLON	21.46	15.00		2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-	\$121.90	
6/16/2016	77165	0916	FERRICIDE-2010004	DALLON	18.00	15.00			\$279.00	
6/16/2015	72105	0424	HERBICIDE-CROCND 2080	PINT	8.71	1.00			88.71	
6/16/2016	72105	2000	WATER	GAL	0.00	2,000.00			\$3.00	
8/2/2014	221.44	1.008	TALINOS STEVEN W	1.1	18.22	8.50	\$9.11			
8/2/2004	77144	0814	PICKUP		18.07	# 50		19.04		
8/3/2004	72144	0071	SERVICEDE-GARLON LA	GALLON	55.48	1.00			\$16.00	
\$7/2016	72144	0010	SERIOTTIE, ANNAL (TAB/ET)	GALLON	21.46	1.00			\$71.46	
BUD/DRBA	79144	2000	WATER	CAL.	0.00	58.00			\$5.00	
8/3/3665	21144	1130	CETTIERY TIRALAS		15.66	0.55	\$7.83			
Read 14 - 0006	LE- HAR	RELSON	WIR.							
Activity M 400	Berbick	Tranting								
Read District	.1									
6/20/2016	22108	Link.	TALTION STEVEN W		18.22	8.26	\$13.85			
6/30/2016	77108	1012	TRUNK OF BOATS	122	42.01	0.76		131.95		
8/10/2016	221.51	11998	TALTON STEVEN W	10	18.22	0.66	\$12.03			
8/10/2016	22152	0814	MCNTH.	10	18.02	0.65		\$11.95		
8/10/2016	22443	1110	CETTHERY TIROPARS		15.46	0.66	\$10.14			
6767016	101001	1100	TALLY STUVEN W	1.1	18.22	8.45	\$10.03			
6/18/2016	99165	1047	THE PARTY AND THE TOTAL		39.52	8.55	3110.003	421.24		
Read Ld . DOM:	IR. HAR	NEW NT	There are a series of the series of the					461.74		
Activity 54 and	Bertinit.	Treater.								
Acardy by 480		e e reason								
AGREENTICS	Times.	10.000	TAL YOU STUDING IN	1.1	100.00	0.65	100.40			
ACRESSES	12021	1007	TRUET, AND DOTTO		42.01	0.00	30.44	824.45		
4018-2018	20100	1000	TAL TON STUDIES IN	100	10.01	0.54	24.34	301.85		
20200000	23104	1000	THE PARTY AND ADDRESS OF	20	10.02	8.45	28,29	\$17.7m		
Read Id - Date	10.000	NEW MILL	THE R. P. LEWIS CO., LANSING MICH.		34.94	6.45		311.19		
and the second s	10.00	TRUCK INCOME.								

PAGE 36 OF 138

Date.

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Description

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

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Units

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Equ Cost

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Project M -28-018-1@ERBICIDE PROGRAM Road Id - 000627-: HAYNES RD. Activity M 401 Herbicide Treatment Road District -4 26.48 0.50 \$13.23 6/34/3016 72112 11108 TALTON STEVEN W 2 42.03 0.50 \$21.04 4/24/2016 72132 1012 TRUCK-HERBICIDE ł. 5/16/2016 72184 1116 TALTON STEVEN W E 18.22 8,71 \$12.94 9162016 72184 1012 TRACK-HERIOCEDE E 39.52 0.71 \$28.86 Road Id + 000633+: HENRY DRIVE Activity Id 401 Berbicide Treatment Read District -3 6/13/2016 73103 1298 TALTON STEVEN W Ŀ. 18.22 0.55 \$10.63 42.01 \$23.11 6/13/2016 72102 1012 TRUCK-HERBOCIDE E -0.55 915/2016 72183 1198 TALTON STEVEN W E. 18.22 1.50 \$17.33 915/2016 72185 1012 TRUCK-HERBICIDE £. 39.52 1.50 \$59.28 Road Ld - 000642+ HICKORY STREET Activity M 401 Herbicide Treatment Read District -3 6/15/2016 TALTON STEVEN W 18.22 0.43 \$7.84 771/04 1118 £. E 42.03 0.43 \$18.07 6/15/2016 72164 1012 TRUCK-HEILINCEDE Road Ld + 000647+: HIGGINBOTHAM ROAD Activity M 401 Herbicide Treatment Read District -2 1130 GUTHERY THOMAS £. 15.66 8.53 \$8.30 6772666 73697 6/7/2005 E. 42.01 4.55 \$22.27 72097 1011 TRUCK-HERBICIDE-2000 914/2016 72182 1330 OUTHERY THOMAS £. 15.66 0.71 \$11.12 39.52 \$28.06 914/3016 72182 1013 TRUCK-HERBICEDE-2000 E 0.71 Read Id = 000648 < HIGH SCHOOL ROAD Activity Id 401 Herbicide Treatment Read District -2 6.52 56.82 E. 15.66 6/7/2016 73097 1330 **OUTHERY THOMAS** 6/7/2016 TRUCK-HERBICEDE-2900 £. 42.01 4.53 \$22.27 72667 1013 906/0016 72195 1150 GUTHERY THOMAS E. 15.66 8.36 \$5.64 \$14.23 1013 TRUCK-HERBICEN-2000 39.52 8.36 9/36/3016 72195 E. Road Ld - 000650+ HIGHLAND LANE Activity M 401 Herbicide Treatment Road District -2 8.41 \$6.43 В. 15.86 4/38/2016 72857 1338 **GUTHERY THOMAS** TRUCK-HERBICENE-2000 E. 42.01 6.41 \$17.23 4/18/2016 72057 1613 **GUTHERY THOMAS** 2 22.81 6.52 \$11.87 6/24/2016 70113 1530 42.01 0.52 8 \$21.85 72112 1013 TRUCK-HERBICEDE-3000 6/34/3016 Road Id - 000664; HILL TOP DR Activity 2d 401 Herbicide Treatment Road District -3 0.38 STO.DE 6/17/2016 1198 TALTUN STEVEN W 2 35.45 72108 72106 42.91 6.38 \$13.97 6/13/2016 1012 TRUCK-HERBICEDE ii Road Id - 000666-: HILL TOP BOULEVARD Activity M 401 Herbicide Treatment Read District -2 15.66 1.00 \$15.66 6/2/2016 1330 OUTHERY THOMAS ÷ 73093 42.01 1.08 543.01 TRUCK-HERBICIDE-2000 H. 6/2/2014 72083 1013 ł. 15.66 0.66 \$10.34 9/15/2016 72187 1556 GUTHERY THOMAS TRUCK-HERBICEDE-2000 ı. 39.52 0.66 \$26.09 9150316 72183 1013 Road Id - 000668+ HILLWAY DR Activity M 401 Herbicide Treatment Road District -2 15.66 0.58 \$9.09 615(2016 72058 1530 **OUTHERY THOMAS** x \$24.37 1013 42.01 0.58 4/15/2016 72058 TRUCK-HERBICEDE-2000 1 0.98 7020946 73:134 1350 GUTHERY THOMAS 2 22.81 \$23.46

Mat Cost Cost Cost

Evalu	84.84	54	Description	Rate 14	Rate	Unity	Emp Cost	Equ Cost
Project Id -28-818	INTERNET	IDE PRO	GRAM					
Hoad Ed - 0006	68-1 HILL	WAY D	R					
Activity Id 400	E Berbicidi	Truttee	tert .					
Road District	-2							
7/22/2016	72135	1013	TRLCK-HERBICIDE-2000	E	39.52	0.59		\$23.32
Read Id - 0006	69-: HOD	GES RO.	AD					
Activity 51 -40	1 Herbicida	Treatme	and the second se					
Read District	- A							
4/18/2016	72957	1198	TALFON STEVEN W		18.22	9.52	39.48	1.1.2.2.2
4/18/2016	72657	1012	TRUCK-HERIOCEDE		-42.08	9.52		\$21.85
Road Id - 0006	704 HOL	COMBE	DR.					
Activity 3d 401	E Herbicide	Treatme	al la					
Read District	-2				10000	12613	122.10	
4/20/2016	73059	1530	OUTHERY THOMAS	F	15.66	0.58	\$9.09	2222
4/20/2018	72099	1013	TRUCK-BERINCIDE-2000		42.01	0.58	10000	\$24.37
4/1/2006	72092	1550	GUTHERY THOMAS	L	15.66	0.29	\$4,55	1.000
6/1/2016	12082	1013	TRUCK-HERRICIDE-2000		42.01	0.29		\$12.19
9/19/2016	72187	1530	OUTHERY THOMAS	1	15.66	0.66	\$10,34	
9/19/2016	72187	1013	TRUCK-MERINCIDE-2000	E	39.52	0.66		\$25.09
Road Id + 0006	73-c 1101.1	LIDAY	IRCLE					
Activity M 401	E Herbicide	Treatma	ler.					
Read District	-3							
6/20/2016	72108	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85	
8/39/2016	72108	1012	TRUCK-HERBICIDE	1	42.01	0.76		\$31.93
8/10/2016	72150	1198	TALTON STEVEN W	1	18.22	0.66	\$12.83	
8/30/2016	72154	0814	PICKUP	1	18.07	0.66		\$12.53
\$/30/2016	221,51	1530	OUTHERY THOMAS	1	15.66	0.66	\$10.34	
9/28/2016	72197	1198	TALTON STEVEN W	1	18.22	0.55	210.03	
9/28/2016	72197	1012	TRACK-RESIDENDE	1	39.32	0.55		\$21.74
Read 1d - 0006	74: HOL3	LIDAY S	PUB					
Activity Id 481	l Herbicide	Treatme	ind.					
Read District	-1							
6/20/2016	72108	1198	TALTON STEVEN W	F	18,72	0.76	\$13.85	
6/29/2016	72108	1012	TRUCK-SERBICIDE	L	42,01	0.76		\$31.93
9/28/2016	32197	1198	TALTON STEVEN W	1. S	18.22	0.55	516.83	
9/28/2016	72197	1012	TRUCK-DERBICIDE	1	39.52	0.55		\$21.74
Road 1d - 4996	80-: HON	EVSUCE	I.E.D.R					
Activity M 481	Herbicide	Treatme	at .					
Road District	-2							
6/1/2016	72092	1530	OUTHERY THOMAS	1	15.66	0.29	\$4.35	
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.00	0.29		\$12.19
9/23/2016	72191	1530	GATHERY THOMAS	2	22.81	0.45	\$16.27	
6/23/2016	72291	100	TRUCK-DERECTIN-2000	1.1	39.52	0.45		\$17.79

Read Id - 608056: HOOKS LAKE ROAD

ADDAUG DE -BEE	They been det	C PEAK
and the second second second		
Read District		

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6/1/2016	72092	1530	GUTHERY THOMAS	1.1	15.66	0.14	\$2.20		
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.14		55.89	
6/1/2016	72092	2000	WATER	GAL.	0.00	2,000.00			\$0.00
6/1/2016	72092	0910	RERBICIDE-MSMA (TARGET	T GALLON	21.46	15.00			\$121.90
6/1/2016	72092	0916	HERBICIDE-DURON 4E	GALLON	18.00	15.80			\$270.00
6/1/2016	72092	0928	HERBICIDE-GROUND ZERO	PDG	8.71	2.60			\$17.42
6/1/2010	72092	0933	HERBICIDE-FOAM BUSTER.	QT	11.30	0.25			\$2.83
9/21/2006	72189	1530	GUTHERY THOMAS	F	15.66	0.77	\$12.06		
9/21/2014	72189	1013	TRUCK-HERBICIDE-3000	1.0	39.52	0.77		\$30.44	
Read 1d - 0006	974 HOO	PERDR	IVE						
A column D.A. Aller	The state of the	Transform							

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Activity Id 401 Herbicide Treatment

Road District -3

6/34/2016 T2103 1198 TALTON STEVEN W

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Mat Cost Cost Cost

Report Date: 05/15/2017

Report Id: Rppro812.rpt

Date	0.744	14	Description	Bate M	Rate	Units	Emp Cost	Equ Cost	Mart Cent	Con Con
Project ld -28-018	INTERESC	IDE PRO	URAM							
Road Ed - 00067	974 1000	PERDR	IVE							
Activity M 401	Berbicid	e Treatme	test .							
Road District	-3									
6/14/2016	72100	1012	TRUCK-HERBICIDE	E	42.01	0.58		\$24,37		
Road Id - 00062	98-: 110P	E STREE	CB.							
Activity 34 -401	Berbicid	e Treatine	red							
Road District	.3									
6/22/2016	72110	11198	TALTON STEVEN W	F	18.22	- 4.91	\$16.59			
6/22/2916	72110	1012	TRUCK-HERBICIDE	1	-42.08	6.91		\$38.23		
Road Id - 00062	994 HOP	PERMO	UNTAIN BOAD							
Activity 3d 401	Berbicid	e Treatme	(w)							
Road District	-									
6/34/2016	73113	1198	TALFON STEVEN W	2	26.45	0.50	\$13.23			
6/34/2016	72112	1012	TRUCK-HERBICIDE		42.01	0.50		211.01		
6/34/2016	72112	0910	HERBICENE-MISMA (TARGET	F GALLON	21,45	15.00			\$321.90	
6/34/2016	72112	0916	HERBICIDE-DIURON 4L	GALLON	18.00	15,00			\$270.00	
6/24/2016	72112	10528	HERBICIDE-GROUND ZERO	PINT	8.75	1.00			58.77	
6/34/2016	72112	2800	WATER.	GAL	0.00	2,009:00			\$0.00	
9/36/2016	72184	1198	TALDON STEVEN W		18.22	0.71	512.94			
976/2016	72184	1012	TRUCK-HERBICIDE	1	39,52	9.71		\$28.06		
Road 1d - 0007	03-: HOR	NBUCKI	LE ROAD							
Activity M 481	Berbicid	r Trealma	int in the second s							
Read District	-2									
6/38/2016	72145	1198	TALTON STEVEN W	1	18.22	0.59	\$10.75			
6/28/2016	72115	0814	PICKUP	1	19,21	0.59		\$11.34		
6/28/2016	22115	1530	OUTHERY THOMAS		15.66	0.59	\$9.24			
91/2006	72171	1198	TALTON STEVEN W		18.22	0.43	\$7.84			
9/3/2006	72171	0814	PSCKOP	1	18.07	0.43		\$7.78		
9/1/2006	72171	1530	GUTHERY THOMAS		15.66	9.0	\$6.74			
9/13/2016	72180	1530	OUTHERY THOMAS	1	15.66	0.59	\$9.24			
9/13/2016	72181	1613	TRUCK-0ERBICIDE-2000	1	39.52	0.59		\$13.31		
Road 1d - 00070	96-(HOR	TONGA	PROAD							
Activity Id 401	Herbicid	e Treatme	and the second se							
Road District	-3									
6/7/2016	72097	1198	TALTON STEVEN W	1	18,22	1.00	\$18.22	22222		
6/7/2016	72097	1012	TRUCK-BERINCIDE		42.00	1.00		242.01		
6/13/2016	72102	1198	TALTON STEVEN W		18.22	0.45	\$11.85	(Constant)		
6/13/2016	72102	1012	TRUCK-BERBICIDE		42,00	0.65		\$27.31	1000 Carton 1000	
6/13/2016	72142	0910	HERBICIDE-MISMA (TARGET	COALLON	21.46	15.00			\$321.90	
6/13/2016	72162	0916	HERBICIDE-DR/RON 4L	GALLON	18.00	15,00			\$270.00	
6/13/2016	72162	0928	HERBICIDE-GROUND ZERO	PINT	8.71	1.00			\$8.71	
6/13/2016	72162	2900	WATER	OAL.	0.00	2,000.00	-		50.00	
9/34/2016	72182	1198	TALTON STEVEN W		18,22	9.77	\$14.83			
9/14/2016	72182	10.2	TRUCK-BERDECIDE		39.52	6.77		\$38.44		
9/22/2016	72199	1198	EVELOW STEARN M.		18.22	0.55	210,49	12010		
9/22/2016	72190	1012	TIOCK-MERBICIDE		39.52	9.55		\$21.74		
9/23/2016	73190	1198	TAUDON STEVEN W		26.45	0.55	\$14.82			
9/23/2016	72191	1012	TRUCK-PERMITE		39.32	8.56		\$22.14		
Road Id = 0007	10-7 BOW	all pos	CHURCH BOAD							
Activity 5d 481	Berbicid	e Treatme	1 And							
Read District	-	1000	Make Bolan Company and	1.11	1000	1.00				
6/20/2016	72106	11396	DALTON STEVEN W		18.22	# 70	\$13.85	2 mar		
6/20/2016	72108	1012	TRUCK-HERISCIDE		42.03	0.76		22120		
8/16/2016	72156	1198	LACTON STEADS W		18,22	0.63	511.30			
8/16/2016	72156	0814	PRADE CONTRACTOR		18,07	0.62		911.21		
8/16/2015	72156	0021	SERVICEN-GARDON 3-A	MALLON	32.99	2.00			843.44	
8/16/2016	72199	0010	NUMBER OF THE OWNER OF THE OWNER	CONTTON .	21.46	2.00			546.95	
A-16-2016	12130	2000	WATER.	ting.	9.00	100.00			30.00	

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Description

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

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Project M -28-918-IMERBICIDE PROGRAM Read Id - 000716: HOWELTON CHURCH ROAD Activity M 401 Herbicide Treatment **Band District -3** 15.66 0.63 8/16/2016 72156 1534 GUTHERY THOMAS . 59.71Read Id ~ 000712-: EROYT WHITT BOAD Activity 5d 401 Herbizide Treatment **Baad Diveriant - 3** 9/22/2016 TALTON STEVEN W 18,22 0.55 \$34.03 12190 1198 1 \$72272018 72790 3912 TRUCK-HERBICIDE ٤. 39.52 0.55 \$21.74 Road 1d - 999714:: HUDSON DRIVE Activity Id 401 Herbicide Treatment Read District -3 4/16/2016 12105 11100 TALTON STEVEN W 18.22 6.58 \$10.57 1 6/06/2006 72100 1012 TRUCK-HERINGTOE 42.61 6.12 \$24.37 1 8/3/2014 72144 1154 TALTON STEVEN W t 18.22 0.50 \$9.11 0.50 \$9.04 800016 72144 0814 1 18.07 PICKUP 22344 0,50 \$7.83 K33964 1510 GUTHERY TROMAS. ×. 13.65 Read Id - 000715+ HUDSON HOLLOW ROAD Activity Id 481 Herbicide Treatment **Board District -3** 6/16/2016 72105 1198 TALTON STEVEN W t 18.22 0.18 \$10.57 6/16/2016 72103 0012 TRUCK-HERINCIDE x 42.01 0.58 \$24.37 \$2,0916 72144 1198 TALTON STEVEN W 1 18.22 0.50 \$9.11 \$9.04 80/2016 77144 0814 1 18.07 0.56 PICKUP 8/3/3916 72144 1538 GUTHERY THOMAS L 15.66 0.55 \$7.81 Band M - 000719-: HURST CIRCLE Activity Id 401 Herbicide Treatment Road District -8 N162806 72080 1158 TALTON STEVEN W ŧ. 18.22 0.83 \$15.13 5/16/2016 72088 8814 PICKUP 1 19.22 0.83 \$23,95 5162116 1538 GUTHERY THOMAS 1 15.68 0.83 \$15.00 72680 6/29/2016 22116 1156 TALTON STEVEN W 1 18.22 0.59 \$59.75 6292916 72116 2012 TRUCK-HERINCIDE 1 42.84 0.19 \$24,79 9112016 72185 1158 TALTON STEVEN W 2 26.45 1.00 \$36.45 1012 £. 35.52 9170866 72145 TRUCK-HERBICIDE 1.00 \$29.52 Road Ed - 000720+ HUTCHENS BOAD Activity Id 401 Herbicide Treatment Road District -4 4262016 1198 TALTON STEVEN W 1 18.22 9,50 \$9.11 72863 4262816 72963 1012 TRUCK-HERBICIDE £ 42.61 0.50 \$21.01 18.22 0.37 7/18/2016 72134 1196 TALTON STEVEN W 1 \$6.73 7/18/2016 721.10 1012 TRUCK-HERIMCIDE r 38.52 0.37 \$14.63 Rand Ed - 000721-: HUTCHINS AVE Activity 1d 401 Herbicide Treatment **Road District** -2 6/1/2016 72903 1530 GUTHERY THOMAS 15.66 0.29 銀利 6/5/3016 73093 1013 TRUCK-HERBICIDE-2000 1 42.66 0.29 \$12.19 7/20/2016 22133 1195 TALTON STEVEN W 1 18.22 2.50 \$45.51 \$45.18 7/26/2016 72133 0814 PICKUP ł 18.07 2,50 1 15.66 2.50 \$39,15 7/20/2016 721030 1550 GUTHERY THOMAS 9/2/2016 1198 TALTON STEVEN W 1 18.22 0.71 \$12.94 20120 18.07 0814 t 0.71 \$12.83 9/2/2016 72172 PICICUP

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22.81

22.81

39.52

0.71

0.45

0.45

\$16.20

\$10.27

9/23/2016 72191 1013 TRUCK-HERBICIDE-2000 Band Id - 000723-: IGOU-ROBERSON ROAD

1530

±100

GUTTERY THOMAS

GUTHERY THOMAS

Activity 14 401 Herbicide Treatment

72173

72590

Road District -3

Contraction - P

\$22916

9/23/2016

\$17.79

Mat Cost Cost Cost

Date	DJM	M	Description	Rate M	Rate	Units	Emp Cost	Eqs Cost	Mat Cost	Con Cost
Project 14 -28-818	HERBIC	IDE PRO	GRAM					- 12		1.11
Road Id - 0007	23-i 4GOI	-ROBD	RSDN BOAD							
Activity M 400	l Herbicid	e Trustee	two							
Road District	· -3									
8/16/2016	72156	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/16/2016	72156	0814	PECKUP	E	18.07	0.67		\$12.11		
8/16/2016	72156	1150	-GUTHERY THOMAS	E	15.66	0.67	\$10.50			
Road Id - 0007	26+ INDI	AN CAS	IP ROAD							
Activity 14 400	Herbicki	e Treates	ted .							
Read District	-5									
6/1/2036	73993	1530	OUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCKHEILBICIDE2000	1.5	42.01	0.29		\$12,19		
9/23/2016	72189	1130	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/21/2016	22199	1013	TRUCK-REIRINGIDE-2000	1	39.52	0.77		\$30.44		
Road Id - 0007	27- INDI	AN HILI	ROAD							
Activity M 401	Horbició	Treatme	and the second se							
Road District	-2									
3/25/2016	72137	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
3/25/2016	72137	1013	TRICK-RERINCIDE-2000	E	.99.52	0.50		\$19.76		
Road Id - 0007	32< INDI	AN LAN	E.							
Activity M 401	Berbicid	e Trestan	(mail							
Read District	-1									
\$13(2006	72069	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
\$/3/2005	72069	0834	PICKUP	1	19,23	0.26		\$14.60		
5/3/2066	72969	1538	OUTHERY THOMAS	1	15.66	0.76	\$11.91			
Road 1d - 0007	36-: IRVI	N DRIVE	Control (1999) Contr							
Activity M 401	Herbicid	Treatme	test.							
Read District	-3									
6/16/2018	72105	1198	TALTON STEVEN W	1	18.22	0.58	\$10.57			
6/16/2016	72105	1012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
8/2/2016	72144	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
\$22016	72144	0814	PICKUP	1	18.07	0.50		58.04		
8/2/2016	72144	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
Road 1d - 0007	40+: IVAL	AR CUI	OFF ROAD							
Activity 58 -481	Herbicide	Treatma	and the second second							
Road District	-3									
7/18/2016	72131	1196	TALTON STEVEN W	1	18.22	0.38	\$6.93			
3/36/2016	72131	1612	TRUCK-RERIFCIDE	1	39.52	0.38		\$15.60		
3/18/2016	72131	0916	HERBICIDE-DURON 4L	GALLON	18.00	7.50			\$135.00	
3/38/2016	72151	0910	HERBICIDE-MSMA (TARGET	GALLON	21.46	7.50			\$199.95	
7/18/2014	72101	0038	HERBRIDE-GROUND ZERO	PINE	8.78	1.00			\$8.77	
3/18/2016	72134	3900	WATER	GAL	0.00	1,000.00			\$9.00	
Read 1d - 0987	HI- IVAN	ROAD		1000		111111111				
Activity 5d 481	Rothicide	Treatme	(mž							

Based District	-4							
5/11/2016	72036	1198	TALTON STEVEN W	1	18.32	0.50	39.11	
5/11/2016	72076	0814	PICKUP	1	19.25	0.50		38.61
5/11/2016	72076	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83	
8/17/2016	72177	1198	TALTON STEVEN W	t.	18.22	0.77	\$14.03	
8/17/2016	72157	0814	PICKUP	1.5	18.07	0.77		\$13.92
8/17/2016	72157	1530	GUTHERY THOMAS	L	15.66	0.77	\$12.06	
Read 1d - 0007	45- J TU	KER R	DAD					
Activity M 40	Herbicide	r Treatme	and the second second					
Reed District	-2							
6/10816	72097	1530	GUTHERY THOMAS	1. C	15.66	0.53	\$8.30	

6/10816	72097	1530	GUTHERY THOMAS		15.66	0.53	\$8.30	
6/1/2016	72097	1013	TRUCK-HERBECIDE-2000	1	42.08	0.53		\$22.27
9/3/2016	72171	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84	
9/1/2016	72171	0814	PERCUP	1	18.07	0.43		\$7.78
911/2016	72171	1530	GUTHERY THOMAS	1	15.46	0.43	\$6.74	

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ETOWAH COUNTY - DOCUMENT SET 5-6

Date DJ 14 14 Dyscription Rate M Rate Units Emp Cost Eqs Cost Mat Cost Cost Cost Project M -28-018-16JEREDCIDE PROGRAM Road Ed = 000745+ J TUCKER ROAD Activity M 401 Elerbicide Treatment Road District -2 6.71 \$11.12 9/14/2016 **GUTHERY THOMAS** ŧ. 15.66 72187 1150 \$28.05 9134/3014 72182 1013 TRUCK-HERBICEDE-2000 E 39.52 674 Baad Id - 000748+: JACKSON TRAIL Activity M 401 Herbicide Treatment Road District -4 5/16/2016 72980 1198 TALTON STEVEN W ł. 18.22 6.83 \$15.13 \$15.95 19.21 6.83 5160016 72080 0824 PICKUP t. \$13.00 5/16/2014 72680 1550 OUTHERY THOMAS E 15.66 6.83 625016 72116 1198 TALTON STEVEN W E 18.22 6.59 \$10.75 1012 TRUCK-HERBICIDE £. 42.01 6.59 \$24.79 629/2016 72135 E 18.22 8.50 \$9.11 8/18/2014 72138 1128 TALTON STEVEN W E. 18.07 0.50 39.04 8/18/2016 72158 0834 PICKUP E. 15.66 0.50 \$7.03 \$180016 72158 1170 **GUTHERY THOMAS** 2 1.00 \$26.45 9/17/2014 72183 1158 TALTON STEVEN W 26.45 9132014 72185 1012 TRUCK-HERBICIDE E 39.52 1.05 \$39.52 Boad Ed + 000749+; JACOBS LANE Activity M 401 Berbicide Treatment Road District -3 6/3/2016 73097 1298 TALTON STEVEN W £. 18.22 1.00 \$18.22 72097 1612 TRACK-HERBICIDE E. 42.01 1.00 \$42.01 4/7/2016 £. 18.22 6.77 \$14.00 9140016 72182 1128 TALTON STEVEN W 72182 1012 TRACK-DERINGED Ε. 39.52 8.77 \$30.44 9/14/3016 Road Ed = 000750 -: JACORS ROAD Activity M 401 Herbicide Treatment Road District -3 6/8/2016 73008 1198 TALTON STEVEN W ε. 18.22 6.91 \$16.55 1012 1.1 42.01 691 \$38.23 6/6/2016 72056 TRUCK-HERBICIDE E 18.72 0.77 \$14.00 914/2016 72182 11108 TALTON STEVEN W 72182 1012 TRUCK-HERBICIDE £ ... 39.52 6.77 \$10.44 9/14/2016 Band Id = 000758+ JEFFREY DRIVE Activity M 401 Herbicide Treatment Road District -2 18.22 0.99 \$10.75 6/28/2016 72115 1198 TALTON STEVEN W ł. 1 19.21 0.59 \$11.34 72115 0414 PICKUP 6282016 I. 1:530 GUTHERY THOMAS 15.66 0.39 59.34 6/28/2016 72115 TALTON STEVEN W н. 18.22 0.55 \$10.03 \$31,0114 70169 1198 \$9,94 72169 0824 1 18.07 6.55 8010014 PICKUP 15.66 0.55 58.62 72169 1130 GUTHERY THOMAS li i \$31/3016 Read Ed = 000760 e JENKINS CIRCLE Activity 53 400 Herbicide Treatment Road District -1 \$12.06 4/4/2016 72048 1330 **OUTHERY THOMAS** 1 15.66 0.77 4/4/2016 72046 1015 TRUCK-HERBICEDE-2000 1 42.01 0.77\$32,34 7/21/2016 73134 1130 GUTHERY THOMAS к 15.66 0.90 \$14.10 7/21/2018 н 39.52 0.98 \$35.57 72134 1003 TRUCK-HERBICIDE-2000 928/2016 72197 £530 OUTHERY THOMAS 1 15.66 2.08 \$31.32 E. 39.52 \$79.04 9/28/2016 12190 H010 TRUCK-HERBICIDE-2000 2.00 Band Ed = 000763+ JERRY CIRCLE Activity Id 401 Herbicide Treatment Road District -2 675/2016 OUTHERY THOMAS 15.66 0.29\$4.53 73093 1130 1 \$12.19 11 42.01 0.29 72692 1013 TRUCK-HERBICIDE-2000 6/5/2016 2 0.43 923/3916 72194 1530 GUTSERY THOMAS 22.81 \$10.27 ı. 39.52 \$17.79 9/23/2016 72151 1013 TRUCK-HERBICIDE-2000 0.45 Band Id - 000%64: JERRY LANE

Date	DIM	M	Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Can Cas
Project Id -28-018 Road Id - 00070	HERRIC	IDE PRO	KGRAM E							
Activity M 481	Rechicles	Treates	fail for the second s							
Read District	-2									
178/2016	22113	1130	GUTHERY THOMAS	1.1	15.66	0.38	\$3.96			
1/19/2016	72132	1013	TRUNK, SERROTTS, 1996		39.12	0.32		\$15.02		
6/73/2604	22166	1110	COTTOREY TREALAS	100	15.44	4.45	346.78	B-10-14		
6/23/26/26	70166	1017	THEFT, AND DOT NO.		30.42	4.41	40.75	117.00		
Burning Barrie	The BORT	ALC BURN	TY DILLD	5.00	10.00			-		
Providence - Contra	Market Co.	- Tables	C. I MUMP							
Activity be 481	Ther become	C Treasure								
Kind Description	-		The Party of the P							
6/3.5/2019.	72104	1000	THE DOW STEVEN W	1.15	12.00		8-184	*****		
6/15/2016	72104	1002	TROCK-PERDICIPE		42,00		P1.1 P2	212.01		
9/23/2006	72190	1198	TWEDOW STRATES M		20.40	9.50	214.82			
9/23/2009	72191	1012	TRACK-PERMIT	- F	39.52	0.39		3/12/14		
Read Id - 6987	HE JOIE	CL.GAP	BOAD							
Activity 54 -481	Herbicid	e Trealme	two the second se							
Read District	-3									
6/34/2005	72100	1158	TALTON STEVEN W		18.22	0.58	\$10.57			
6/34/2016	72160	1012	TRUCK-PERIOLIDE	1.0	-42,03	0.58		\$24,37		
6/15/2016	72104	1598	EVELON STEAEN M.	E	18.22	0.40	\$7.84	10.00		
6/15/2016	72164	1012	TRUCK-SERBICIDE		42.01	9.43	200	211.01		
9/15/2016	72183	1198	TALTON STEVEN W		18.22	1.50	\$27.33	88.82 m		
9/15/2014	72183	1012	TRUCK-SERBICIDE	F 1	39.52	1.50		\$19.28		
Road Id - 00077	15-: 40H?	VL SME	TH ROAD							
Activity 1d -401	Horbicide	Treatme	and .							
Read District	-4									
6/35/2016	72125	3198	TALTON STEVEN W	1 C	18.22	8.70	\$12.36			
6/30/2018	72123	1012	TRACK-HEREBICIDE	1 C C	42.03	0.70		\$29.41		
8/38/2006	22138	1530	GUTHERY THOMAS	£1.	15.66	0.50	\$7.83			
9/17/2014	72185	1198	TALFON STEVEN W	2	26.45	1.00	\$26.45			
\$/37/2004	72185	1012	TRUCK-REBINCIDE	1	39.12	1.80		\$39.52		
Road 1d - 6997	18-: JOH?	NS ROAL	Þ							
Activity ld 481	Herbicide	Treaties	test .							
Read District	-3									
6/36/2016	72105	1198	TALTON STEVEN W	1	18.22	0.58	\$10.37			
6/36/2006	72165	1012	TRACK-HERBICIDE	1	42.03	0.58		\$24.37		
8/18/2016	72158	1798	TALTON STEVEN W	100	18.22	0.50	\$9.11			
8/38/2016	72158	0824	PICKUP	E	18.07	0.50		\$9.04		
Read Id - 09071	HOL JOH?	SON C	RCL.							
Activity M 401	Herbicide	Treatme	test							
Read District	-1									
3/27/2016	72139	1110	TALTON STEVEN W	10 E	18.22	6.71	\$12.94			
127/2016	72139	1012	TRUCK-RERINCIDE	1.0	39.52	8.71		\$28.06		
Road Ld - 69979	II- JOH	NSON D	UVE		-00000			272633		
Activity M 481	Herbields	Treatme	and the second se							
Read District	-1	10.00	17 C							
657616	72071	1100	TAUTON STEVEN W		18.77	0.65	\$15.13			
05/2014	72071	0814	PENCEP		09.75	0.85		\$14.95		
APRIL 10	73070	1130	OCTORES TRALAS		15.56	0.55	\$23.00			
Boalld - Dest	Ch. ACHIN	VACUA IN	NOW THE NOW THE		1.7.90		313.04			
Activity 12 ARE	Contractor	Salar De	ALCONDITION OF A CONTRACTOR							
Accession in and	The second									
Read Devenies	-		Contraction of the local division of the		100.000	1000	#13.14			
012/2006	72135	13,30	CALIFICATION AND AND AND AND AND AND AND AND AND AN	100	22.83	0.29	313.45			
102/0916	121.05	1013	TRUCK-RESIDCIDE-2000		10.52	8.39		212.75		
Road 1.0 - 00977	sec 1000	SOM BO	0.00							
Actually Id 481	Horbicide	Treatme								
Road District	4		and the second second second		0.002	1.00				
2114/2010	121.02	1330	OUTHERY THOMAS		15.66	6.38	22.96			

Date 0.2 14 ы Description Rate M Rate Units Emp Cost Equ Cost Mat Cost Con Cost Project M -28-018-101EREDCIDE PROGRAM Road Id + 000784+: JOHINSON ROAD Activity M 401 Herbicide Treatment Road District -2 39.52 0.38 \$15.60 20502016 72132 1013 TRUCK-HERBICIDE-3050 1 15.66 8.6 56.74 \$27,2014 721946 1100 **GUTHERY THOMAS** E. TRUCK-HERBICIDE-2000 39.52 \$17.60 90330916 72194 1013 E. 443 Road Ld = 000286+ JOHNSON STREET Activity 1d 401 Herbicide Treatment Road District -6 \$10.83 1198 18.72 8.55 4/20/2016 73059 TALFON STEVEN W Ł 42.01 4/20/2014 72039 1012 TRUCK-HERBICIDE 1.1 4.55 \$23.11 Road Id - 000788 - JONES CHAPEL RD Activity M 401 Herbicide Treatment Road District -1 4/19/2016 1156 OUTHERY TIKMAS 15.66 6.58 \$9.09 72658 £ 419/3014 72018 1017 TRUCK-BERRICIDE-3000 L 42.01 0.58 \$24.37 15.66 8.50 7/25/2016 2137 1330 GUTHERY TIKMAS £. \$7.83 105/0014 72137 1013 TRUCK-RERIECTDE-2000 Ľ 39.52 0.50 10.5% 8/30/2016 72168 1198 TALTON STEVEN W Ł 18.22 0.71 \$12.94 DB.OT 0.24 \$12.83 8/30/2016 72168 0814 PICKUP t 8/30/2016 72168 1530 **GUTHERY THOMAS** I. 25.46 4.71 \$11.12 Road Id = 000790+ JONES ROAD Activity 3d 401 Herbicide Treatment Road District -3 6/1/2086 73992 1530 GUTHERY THOMAS 15.66 0.29 \$4.55 6/1/2016 72092 1013 TRUCK-SFRRNCIDE-3000 £. 42.03 0.29 \$17.19 Road Ed + 000791+ JONES BOAD Activity M 401 Herbicide Treatment Read District -4 4/19/2016 11208 TALTON STEVEN W £ 18.22 4.52 \$5.48 72058 1012 Ł. 42.03 0.52 \$11.83 4/19/2016 72058 TRUCK-RERIECTDE \$23/2016 72163 1198 TALTON STEVEN W t 18.22 4.52 55.48 8/23/2016 72162 0814 PICKUP DB.OT 4.52 \$7.45 t. 1530 OUTHERY THOMAS 15.66 0.52 \$3.11 8/23/2016 72142 Ł Road Ld > 000795+ JOSHUA TRAIL Activity M 401 Herbicide Treatment Road District -3 E 15.66 6.29 \$4.55 6/1/2016 1558 OUTHERY THOMAS 73042 1013 TRUCK-HERBICIDE-2000 Ľ 42.01 1.29 \$12.19 6/1/2016 72092 923/2014 72199 1110 GUTHERY THOMAS 1 22.81 1.45 \$10.37 39.52 6.45 \$17.79 \$23/2016 72191 1013 TRUCK-JERISCIDE-2000 £. Road Ld - 000797-; JULEDE DR Activity Id 401 Horbicide Treatment Read District -4 39.45 4/15/2016 73038 1.798 TALTON STEVEN W Ł 18.22 8.52 4/15/2016 72038 1012 TRUCK-SERIECIDE £. 42.01 6.52 \$21.85 \$24,0014 72163 1296 TALTON STEVEN W Ł 18.22 6.67 \$12.21 0814 14.07 6.67 \$12.11 8/24/2016 72163 PERIP t \$10.90 8/24/2016 72163 1330 OUTHERY THOMAS ŧ. 15.66 6.67 Road Id + 000810-: KEENER GAP ROAD Activity 3d 401 Herbicide Treatment Road District -2 6/8/2016 1530 GUTHERY THOMAS 15.66 6.71 \$11.12 72096 E 6/8/2016 72098 1013 TREACK-DESIDE-2000 42.01 6.71 \$29.83 ł. TALTON STEVEN W 11198 t 18.23 0.45 \$1.84 9/1/2016 72179 \$7.78 91/2016 72171 0814 PICKUP E. 18.07 8.43 E. 15.66 8.45 \$6.74 91/2016 724 Til 1530 OUTHERY THOMAS t 15.66 6.59 59.24 9/13/2016 22181 1536 GUTHERY THOMAS

Report Id: Rppro012.rpt

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date DJ 14 ы **Dyscription** Rate 14 Rate Unin Emp Cost Eqs Cost Mari Coal Coal Coal Project M +28-018 IMERBICIDE PROGRAM Baad Id - 000810-: KEENER GAP ROAD Activity 3d 401 Herbicide Treatment Read District -2 \$23.31 913/3016 1015 TELCK-HERBICENE-2000 t. 39.52 8.59 72140 Boad Id - 000011-: KEENER LANE Activity 3d -401 Herbicide Treatment Read District -2 7/19/2016 1198 TALTON STEVEN W r 18.22 0.36 \$6.56 72152 1/19/2014 1012 TRUCK-HEIRINGEN 8.0 39.52 0.36 \$14.23 72132 Road Id - 0008124 KEENER SCHOOL BOAD Activity M 401 Herbicide Treatment Road District -2 2129/2016 22333 TALTON STEVEN W ÷ 18.22 0.56 \$6.56 1155 39.52 0.36 \$14.23 1/19/2014 72132 1012 TRUCK-HERBICEDE ×. 72188 TALTON STEVEN W ĸ. 18.22 1.50 \$21.33 935/2016 11HK 0854 £. 18.07 1.50 \$22.11 9/30/3016 72188 PICKUP 15.66 1.50 \$23.49 920/2014 (2)148 1530 GUTHERY THOMAS 1... Road Id - 000814-: KEITH ROAD Activity M 401 Herbicide Treatment Read District -4 4/19/2016 73958 1198 TALTON STEVEN W ï 18.22 6.52 35.48 4/19/2016 72058 1012 TRUCK-SERBICIDE 1 42.01 8.52 \$21.85 8/34/2014 72943 1198 TALTON STEVEN W 1 18.22 4.62 \$12.21 к 18.07 8.67 \$12.11 8/34/2016 72163 0854 PICKUP 8/24/3014 22163 1130 GUTHERY THOMAS ÷ 15.66 8.67 \$10.30 Boad Id - 000815+ KELLEY LANE Activity Id 401 Herbicide Treatment Read District -3 6/10/2014 72100 1198 TALTON STEVEN W 2 35.45 0.53 \$14.02 1012 TRUCK--HERBICIDE 1 42.01 8.53 \$22.37 6/10/2014 72100 £. 18.22 1.00 \$18.22 98/2005 72177 1198 TALTON STEVEN W 72175 1012 TRUCK-HERBICIDE Ľ 39.52 1.00 \$19.52 98/2006 Road Id - 000818-; KERRI LANE W Activity 1d 401 Herbicide Treatment Road District -4 TALTON STEVEN W ×. 18.22 6.77 \$14.00 8/17/2016 721.57 1198 0834 1 18.07 0.77 \$13.92 \$13,0016 10151 PICKUP 15.66 6.77 1130 GUTHERY THOMAS ь. \$12.06 \$13,0016 72157 Boad Id + 000819+; KERSHAW OUARTERS RD Activity M 401 Herbicide Treatment Road District -2 7253F 51.83 105/2014 EI30 OUTHERY THOMAS 11 15.66 0.55 39.52 \$19.56 105/0014 72137 1010 TRUCK-BERINCEN-2900 1 0.50 Boad Id - 900822-: KILLIAN CIRCLE Activity Id 401 Herbicide Treatment Road District -4 6780/2016 1198 TALFON STEVEN W 1 18.22 6.75 \$12.76 21123 1012 TRUCK-HERBICIDE 42.01 \$ 59 \$29.41 6/36/2016 72125 1. Road Id = 000824+ KIMBBEL CIRCLE Activity M 401 Herbicide Treatment Road District -4 TALTON STEVEN W 18.22 0.58 \$9.11 406/0014 72963 1198 E 406/2016 72063 1012 TRUCK-HEMBICEDE £. 42.04 0.50 \$21.01 106/0016 72334 1158 TALTON STEVEN W × 18.22 6.91 \$14.59 \$15.97 ŧ 39.52 5.94 106/2016 72138 1012 TRUCK-HERBICIDE \$23/2016 72162 1198 TALTON STILVEN W 1 18.22 0.52 劉胡 1 18.07 6.32 \$2.48 8/23/3016 12142 0814 PICKUP 15.65 0.52 \$8.13 8/23/2016 **OUTHERY THOMAS** 1 22142 1330

Mat Cost Cost Cost Date DJ 14 м. **Byscription** iRate M Platy Units Emp Cost Equ Cost Project M -28-018-IMERBICIDE PROGRAM Boad Ed - 000825: KING LANE Activity Id: 401 Herbicide Treatment **Road District -3** 1 18.22 6.92 \$16.56 622/2016 12110 1198 TALTON STEVEN W 6222816 72110 × 42.01 0.91 \$38.33 1017 TRUCK-HERBICIDE 9210816 72189 TALTON STEVEN W Ŧ. 18.22 0.86 \$12.03 1198 1012 9210016 7218种 TRUCK-HERBICIDE ÷ 39.52 0.66 \$26.09 Road Ed - 000832-c KIREY ROAD Activity Id 401 Herbicide Treatment Road District -3 18.22 6.18 \$10.37 4/16/2016 72105 1198 TALTON STEVEN W 1 6/16/2016 72108 1012 TRUCK-HERBICIDE 3 42.01 0.58 \$24.31 8/2/2014 22144 1198 TALTON STEVEN W 1 18:22 6.58 59.11 \$2/3016 72544 0854 ŧ. 18.07 0.55 59.04 PICKUP 8/2/2016 22144 1150 GUTHERY THOMAS 1 15.66 6.53 \$7.83 Road Ed - 000841-: LACKEY GAF ROAD Activity M 401 Herbickle Treatment Road District -3 18.22 5/11/2016 73976 1198 TALTON STEVEN W II. 0.50 \$9.11 5/11/3916 72076 0854 19.21 0.55 39.41 PECKUP 1 5/11/2016 72976 1530 **GUTHERY THOMAS** 1 15.66 0.59 \$7,83 623/2016 72114 1198 TALTON STEVEN W 1 18.22 6.59 \$9.11 6/23/2016 22111 1012 TRACK-HERBICIDE 1 42.01 8.58 \$21.01 8/12/2016 72157 1158 TALTON STEVEN W 1 18.23 0.34 \$13.85 8/17/2016 72157 0834 PICKUP 18.07 6.76 \$13.74 1 \$120016 72133 0924 HERBICIDE-GARLON 3-A GALLON 12.99 2.08 \$65.58 \$/17/2016 72133 0910 HERBICIDE-MSMA (TARGET GALLON 25.46 2.00 \$42.92 \$5.00 8/17/2018 72135 2000 WATER GAL 0.00 108.98 \$7170016 22157 1130 GUTHERY THOMAS II. 15.66 0.36 \$11.98 921/2016 73189 THE TALTON STEVEN W ı. 18.22 0.65 \$13.60 TRACK-HERIOCEDE a. 39.52 0.66 \$26.09 923/0016 72140 1007 Hoad Id - 000843+; LAKE CIRCLE Activity 14 401 Herbicide Treatment Road District -1 1556 ł 15.66 6.59 59.24 6/33/0816 73514 GUTHERY THOMAS 6/27/2016 72114 Hith TRUCK-HERBICIDE-2000 1 42.01 0.39 \$24.79 72998 1130 **OUTHERY THOMAS** 1 15.66 0.36 \$5.64 936/3914 £. 39.52 0.36 \$14.23 936/3016 72195 1013 TRUCK-HERHICENE-2000 Road Id = 0008494 LAKE HARDEN RD Activity M 401 Herbicide Treatment Road District -2 15.66 0.66 510.34 4/31/3016 73960 1150 **GUTHERY THOMAS** 8 72060 ÷ 42.01 0.66 \$27.73 4/25/2016 1013 TRUCK-HERBICIDE-2000 6.55 1550 GUIDRINY THOMAS x. 15.66 57.83 915/2016 721(6) 0.50 E. 39.52 \$19.76 9/15/2016 721.83 1013 TRUCK-HERBICEDE-2000 Road 1d + 000853+; LAKE MARY LOUISE ROAD Activity Id 401 Herbicide Treatment Read District -2 **OUTHERY THOMAS** 15.66 0.66 \$10.34 4/21/2016 73960 1130 ł 4/25/2016 72068 1003 TRUCK-HERBICEDE-2000 x. 42.91 0.66 \$27.73 108/0014 72540 1198 TALTON STEVEN W 1 18.22 1.00 \$18.72 ł 18.07 1.00 \$18.07 72148 0814 PICKUP 105/0016 1/28/2014 72540 1330 **GUTHERY THOMAS** 1 15.66 1.00 \$15.66 91/2016 72171 1198 TALTON STEVEN W 1 18.22 0.43 \$7.84 18.07 0.43 \$7.78 91/2016 72171 0854 PICKUP 1 1 13.66 0.43 36.74 91/2016 72174 1535 OUTHERY THOMAS 915/2016 72180 OUTHERY THOMAS 1 15.66 0.50 \$7.83 1:130 9/15/2016 72185 TRUCK-HERBICEN-2000 1 39.52 0.58 \$19.76 1063

Report Id: Rppro012.rpt

Dute Mat Cost Cost Cost BJ M ы Description Natie Id. Rate I with Emp Cost Equ Cost Project M +28-818-18/ERBICIDE PROGRAM Road Id - 000870+ LAKESHORE DRIVE Activity 53 401 Herbicide Treatment Road District -6 18.22 4/20/2016 1198 TALTON STEVEN W E 0.55 \$10.03 73859 4/20/3016 72079 1012 TRACK-DERERIDE E 42,01 0.55 \$23.11 Read Ld - 000871 - LAKEVIEW DRIVE Activity 3d 400 Herbicide Treatment Read District - 3 6/29/2016 1198 TALTON STEVEN W Ŀ. 18.22 0.59 \$10,75 72114 6/29/2016 1012 TRUCK-RERINCIDE E 42.01 0.59 \$34.79 72116 £ \$/16/2016 72136 1198 TALTON STEVEN W 18.22 0.67 \$12.21 \$136/2016 72156 0814 PICKUP t 18.07 0.67 \$12.14 1/16/2014 72136 1530 GUTHERY THOMAS £. 15.66 0.67 \$36.50 Road 1d - 000081 - LAMAR WHITT ROAD Activity 1d 401 Herbicide Treatment **Head District** - 3 9/22/2016 \$38.03 1196 TALTON STEVEN W 18.22 0.55 72198 \$(22)/2016 72190 39.52 \$21.74 1012 TRUCK-HERBICIDE 0.55Read Id - 000905:: LAWSON GAP ROAD Activity 5d -481. Herbicida Treatment **Boad Divisies -3** 5/11/2016 72076 1158 TALTON STEVEN W 18.22 0.50 \$9,11 PICKUP 19.31 0.50 5/91/2016 72074 0814 L 59.41 72676 15.66 0.58 12.03 5/81/2006 1536 GUTHERY THOMAS t 6/23/2016 72111 11798 TALTON STEVEN W 18.22 0.56 \$9,11 6/25/2006 72111 1042 TRUCK-HERBICIDE 42.61 0.50 \$21.01 8/06/2005 72156 1194 TALTON STEVEN W 18.22 0.67 \$12.21 8/16/2005 72155 0814 PECKUP 18.67 0.67 \$12.11 \$16/2005 72156 1530 GUTHERY THOMAS. 15.66 0.67 \$39.50 \$262016 72195 1158 TALTON STEVEN W 18.22 0.64 \$12.05 9/26/2016 22/295 1012 THUCK-HERBICIDE 39.52 0.66 \$36.09 Read Id + 000908-: LAY ROAD Activity Id 401 Herbicide Treatment **Road District** -2 7/99/2016 72132 1538 GUTHERY THOMAS 13.66 0.38 \$5.96 L 3192004 72532 1413 THECK-HERINGER-2000 t. 39.52 0.18 \$15.02 Baad 54 - 000909+; LAY SPRINGS ROAD Activity Id 401 Herbicide Treatment Road District -2 4/21/2006 1530 GUTHERY THOMAS 15.66 0.76 \$11.91 72060 ł 73960 1013 TRUCK-HERBICIDE-2000 Ľ 42.81 0.76 \$31.93 4/21/2004 73660 2000 GAL. 0.00 1,000.00 421/2006 WATER \$0.00 4212066 12060 0911 HERRICIDE-2,4 D AMINE GALLON 14.13 11.35 \$158.97 \$26,30 4/21/2006 72960 0034 HERBICIDE-SULFOMET 1.8 28.85 0.94 421/2004 72960 6928 HERINGIDE-GROUND ZERO PINT 1.00 58.71 6.71 6/3/3016 72097 1530 GUTHERY THOMAS 1 13.66 0.53 \$8.30 6/3/2016 72997 1013 TRUCK-HERINCEDE-2000 42.81 0.53 \$22.27 7/28/2014 72140 1198 TALTON STEVEN W 18:22 1.00\$18.22 ÷ 3/28/2016 7311400 0814 PICKUP 18.67 1.00 \$18.07 7/28/2014 72540 2000 WATER GAL. 0.00 50.00 \$0.08 7282014 72140 1530 GUTTERY THOMAS 13.66 1.00 \$15.66 ı 6/1/2016 72171 1196 TALTON STEVEN W 18.22 0.43 \$7.84 \$1,0914 力的 0614 PICKUP 18.67 0.45 \$7,78 72171 1530 15.66 0.43 \$5.74 \$1/2016 OUTHERY THOMAS 914/2014 72182 1550 OUTHERY THOMAS 15.66 0.77 \$11.12 1013 \$28.06 91142006 73143 TRUCK-HERBICIDE-2009 39.52 0,11 915/2014 72183 1500 GUTHERY THOMAS 15.66 0.59 \$7.83 \$19.76 915/2016 72180 1013 TRUCK-HERBICINE-2000 19.52 6.38

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	DJM	- ŇČ	Description	Rane Id.	Rate	Units	Emp Cost	Eqs.Cost	Mut Cost	Con Cost
Project M -28-812 Band Id - 0000	INCREME	IDE PRO	GRAM				- 51	1.1		10
Activity 14 all	I Berkick	Traning								
Read District	1.1	C P C LE C LE								
67717014	21114	1434	CONTRACTOR V TRACKS	62	15.66	0.40	10.14			
420000000	221124	1000	TREASE AND DOWNED AND	1.1	47.00	0.00	100.00	10000		
6/24/2014	210.04	1120	CONTRACTOR AND ADD	- 22	10.00	0.09	47.64	BOL OF		
02502915	70105	1000	THE KY MERICANE AND	2.0	10,00	4.30	30.04	1004-001		
Budde and	12199	101.1	TRUCK A-PECKBEC 404-1000		19.94	9.09		314.07		
Boad 10 - 0000	And Links	PRAINE.	G							
Activity to we	a mersecep	C 3 FEBORE								
Road Destroit			WALL DESIGN AND ADDRESS OF THE PARTY			1.4.4				
4/18/2016	72957	11098	EALTON STEVEN W		18.22	9.52	35.45			
4/18/2016	72037	1002	TRUCK-HEREBOILDE.		42.01	0.52		\$11.85		
023/2016	72159	1198	TALIUN STRVEN W		18.22	0.45	18.20	and the second		
9272016	72196	1012	TRUCK-RESIDECIDE		- 39.52	0.0		\$17.29		
Read Ld + 0009	18: LEE	BOFCO	ME BOAD							
Activity 51 40	E Herbicid	Treatme	64							
Read District	-1									
5/11/2016	72978	1198	TALTON STEVEN W	- E	18.22	0.50	39.11			
5/11/2016	72076	0814	PICKUP		19.23	0.50		59.41		
3/11/2016	72076	1530	OUTHERY THOMAS	1	15,66	0.50	\$7.83			
6/22/2016	72119	1198	TALTON STEVEN W	1.1	18.22	0.91	\$16.59			
6/22/2016	72110	1112	TRUCK-BERINCIDE	1	-42.01	0.91		\$14.23		
8/15/2016	72135	1198	TALTON STEVEN W	E	18.22	0.77	\$14.93			
8/15/2016	72155	0814	PICKUP	100	18.07	0.77		\$13.92		
8/15/2016	72155	1530	GUTHERY THOMAS	1.5	15.66	0.77	\$12.06			
\$121/2016	72189	1198	TALTON STEVEN W	E	18.22	0.66	\$12.03			
9/21/2016	72189	1012	TRUCK-HERBICIDE	E	39.52	0.66		\$26.09		
Read 1d - 0009	19-: LEE.	AVENUE	8							
Activity 54 -401	Herbicide	Treater	red .							
Read District	-1									
4252035	72963	1198	TALTON STEVEN W	1.1	18.22	0.50	39.11			
406/2016	72063	1012	TRUCK-HERBICIDE		42.69	0.50	10000	\$21.04		
Rund 1d - 6009	Obe LIKE	TREET			14222	0.000				
Activity M 401	Berbiride	Treatme	and a							
Read District	-1		1.2							
3/26/00/4	72132	1116	TALTON STEVEN W		18.22	0.56	84.54			
1/29/2024	72132	1847	THEFT - HERITAGE		20.42	0.56		\$14.73		
Band Ld - 6805	PLA LEES	BELLE	TRACK-HERBER INC.		27.75	0.00				
Automatic fut and	In the block	Trendan								
Monthly be wan	i nosioe	C Frenom	CBK							
Head Destrict			The state of the second second second		20.10	0.00	10000			
6/28/2006	12112	1198	ENTITIES STEASES &		20.43	0.50	\$15.25			
Brand 1.4	10110	1012	TRUCK-HERBERT		42.00	4.50		341.01		
MARG 24 - 0009	APC EASES	a cor	CUTOFF BOAD							
Activity 64, 401	Derminide	Treatme	rest.							
Mond District	-	41.1	and the second stands of the second stands	50	1.2.2.	1.1.1.1				
6/94/2006	72100	1198	DVETON REFAILS M	1. C	18.22	0.58	\$10.57	1201015		
6/94/2008	-721008	3842	TRUCK-HERBEIDE	E	42.08	0.58		\$34.37		

6/15/2016	72104	1198	TALTON STEVEN W	£	18.72	0.54	29.84	
6/15/2006	72104	1012	TRUCK-HERINCIDE	1	42.01	0.54		\$22.69
6/15/2016	72104	6918	HERBICIDE-MSMA (TARGI	IT GALLON	21.46	7.50		
67532006	72104	0916	REREDCTOR-DURON 4L	GALLON	18.00	7.50		
6/15/2006	72004	9928	HERBICIDE-GROUND ZER	O PINT	8.71	1.00		
6/15/2016	72104	2000	WATER.	GAL	0.00	1,000.00		
9/22/2016	72190	1198	TALTON STEVEN W	1	18.22	0.55	\$19.03	
9/22/2016	72190	0012	TRINCK-HERBICIDE	1	39.52	0.55		\$21.34
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Read Id - 000924: LEETH GAP BOAD

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Activity Id. 401 Herbicide Treatment Road District -3

\$160.92 \$135.00 \$8.71 \$9.00

Dute	IDJ IM	N.	Description	Rate Id	Bate	Units	Emp Cast	Equ Cost	Mat Cast	Can Cost
Project Id -28-013	S-MERSIC	IDE PRO	GRAM							_
Road 1d - 0005	24+ LUE	III GAP	ROAD							
Activity 58 48	t Hothicid	e Treatme	rat							
Read District	6-3									
5/30/2016	72075	1198	TALTON STEVEN W	1	18.22	1.50	\$37.30			
5/36/2018	72075	0614	PICKUP	1	19.21	1.50		\$28,82		
5/39/2016	72075	1530	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
6/3/2016	72094	1198	TALTON STEVEN W	1	18.22	0.50	\$9.13	1111		
60/2016	72094	0814	PICKUP	1	19.21	0.50		26/01	2.2.2	
6/3/2016	72094	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	1.00			\$12.99	
6/3/2916	72094	0911	RERERCIDE-2.4 D AMINE	GALLON	14.10	. 1.00			\$14.13	
6/3/2016	73094	2000	WATER	GAL.	0.00	50.00			\$10.00	
6/3/2016	72094	1530	GUTHERT THOMAS	1	15.66	9.50	\$7.83			
6/2/2016	72097	1198	TALTON STEVEN W	1	18.22	1,00	\$68.22	Calif Sec. 1		
6/101046	72997	1012	TRUCK-HERINCIDE	1	42.01	1.00		\$42.01		
6/16/2016	72160	1198	TALTON STEVEN W	1	18.22	0.58	\$20.57			
6/54/2016	72103	3812	TRUCK-HERBICIDE		42.01	0.58		\$24.37		
8/2/0816	72144	1198	TALTON STEVEN W	1	18.22	0.56	29.11			
80.0016	72344	0614	PICKUP	1	18.07	0.50		59.04		
8/3/2016	72144	1530	GUTHERY THOMAS	1	13.66	0.50	\$7.83			
\$182/2016	72180	1158	TALTON STEVEN W	1	18.22	0.74	\$12.94			
\$1222016	72180	1912	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
\$23/2016	72191	1198	TALTON STEVEN W	2	26.45	0.48	\$12,70			
\$(23/2014	72191	1012	TRUCK-HERINCTON	1	39,52	0.48		\$18.97		
\$23/2004	72991	0921	HEREBCIDE-GARLON 3-A	GALLON	32.99	15.00			\$494.85	
9/23/2004	72191	092.8	HERINCIDE-GROUND ZERO	PENT	8.71	1.00			\$8.71	
\$23/2016	72198	2000	WATER	GAL	0.00	1,000.00			\$0.99	
Read Id - 0008	27< LIM	0%S HO	LOW BOAD							
Activity 52 -40	1 Herbició	e Treatme	ter l							
Read District	t -4									
4/25/2016	72062	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
425/2006	73963	1012	TRUCK-HERBICIDE	1	42,61	0.45	1000	\$18.91		
7/26/2016	72138	1198	TALTON STEVEN W	1	18.22	0.91	\$16.59			
7/26/2016	721.58	1912	TRUCK-HERINCIDE	1	39.52	0.91	2633	\$35.97		
\$23/2006	72162	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
8/23/2016	72167	0614	PICKUP	1	18.02	0.52		\$9.40		
\$23/2006	72142	1530	GUTHERY THOMAS	1	13.66	0.52	\$8.13			
Read 1d - 0909	MIS LEW	IS ROAL								
Activity Id. 48	1 Herbield	e Treatme	nst							
Road District	t - 2			1.1.2.1.1	1.0.00		1.00			
4/08/2006	72057	1530	OUTHERY THOMAS	1	15,66	0.41	\$5.43			
418/2014	72857	1013	TRUCK-HERBICIDE-2000		42.01	0.41		\$17.20		
7/18/2014	72131	1.530	OUTHERY THOMAS	1	15.66	0.66	\$39,34			
338/2014	723.34	1013	THUCK-HERBICIDE-2000	1	39.52	0.66	2020	\$26.09		
9/23/2016	72294	1530	GUTHERY TROMAS	3	22,88	0.45	\$10.27	1		
\$73/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39,52	0.45		\$17.79		
Read Id - 0009	43-: LIBE	ACLA HII	LL HOAD							
Activity 14 40	I Herbicish	e Trestme	at a second s							
Road District	1-3	12.08	Ver engelsen som	1.211	172.02	1000	1000			
6/94/2004	72168	1198	TALTON STEVEN W	1	18.22	0.58	\$39.57	100000-000		
6/94/2004	211003	9912	TRUCK-HERMCIDE	1	42.01	0.58	100 million	\$24,37		
9/22/2004	72190	1158	TALTON STEVEN W		18.22	0.55	210.01	1.40		
9/22/2004	711990	1032	TRUCK-HERINCIDE	L	29.52	0.53		\$21,74		
Read 1d - 0005	45-: LIGE	ULSEA D	er.							
Artivity M 48	I Herbield	e Treatme	and the second second							
Road District	L+1			1			\$1211			
6/16/2006	72163	1158	TALTON STEVEN W		18.22	0.58	\$18.57			
6/94/2006	723003	1912	TRUCK-HERSELIDE	1	42.05	0.58		274.31		
Read 14 - 0005	AD C LILL	45N ANI	ENCE.							

But	6114	223	Barrent Martin	Sec. 14	Bete	a later	Read Fred	Free Cost	Mart Cost	Con Cont
Date	10110	Page and	Description	Rate 14	Kali	1.005	Lagene	Later	24014.001	1.001.000
Road Id - 0000-	1 LILL	JAN AV	ENLE							
Activity 14 -401	Elerbicid	e Trentme	red							
Read District	-4				1000	100	00000			
2/18/3016	722.32	1198	TALTON STEVEN W	1.0	18.22	8.36	\$6.56			
7/15/2014	72132	1003	TRUCK-HERBIGIDE	- C.	39.52	8.36		\$14.23		
Band 1d - 00005	58< 1.IPS	COMB D	HR.							
Activity M 401	Herbicid	e Tresime	191							
Road District	-1									
6/34/2016	72912	1530	OUTHERY THOMAS	2	22.81	0.52	\$11.87			
6242016	72112	1013	TRUCK-HERBICIDE-2000	1	42.01	8.52		\$21.85		
Read Id - 0009	59-1 LIPS	COMB R	IOAD							
Activity 5d 401	Herbicid	e Treatier	cel .							
Read District	-3						101000			
6/13/2016	72102	1158	TALFON STEVEN W		18.22	0.55	\$16.03			
6/13/2016	721.00	1012	TRUCK-HERBICEDE		-42.01	0.55		\$23.11		
9/22/2016	72190	1198	TALTON STEVEN W		18.22	0.55	\$10.03			
9/22/2016	72190	1012	TRUCK-HERBERTE		39.52	0.55		\$21.34		
Read Ld - 00094	60-: LISA	LANE								
Activity M. 481	Herbicid	e Treatine	tes l							
Road District	-4									
4/19/2016	72058	1198	TALTON STEVEN W	- E.	18.22	9.52	\$5.48			
4/19/2016	72058	1012	TRUCK-HERDICIDE	1	42.01	8.52		\$21.85		
Read 1d - 0009	68 CLITT	LE COV	EBOAD							
Activity Id 401	Herbicide	e Treatme	test							
Band District	-4									
5/31/2016	72076	1198	TALTON STEVEN W	F	18.22	0.50	39.11			
5/11/2016	72076	0834	PICKUP	1	19.28	0.50		39.61		
3/11/2016	72076	1530	GUTHERY THOMAS		15.66	0.50	\$7.83			
8/37/2016	72157	1228	TALTON STEVEN W	1.0	18.22		\$14.63			
8/17/2016	72157	0814	PICKUP	E	18.07	0.77		\$13.92		
8/17/2016	72157	1530	GUTHERY THOMAS	1.5	15.66	0.77	\$12.06			
Read 1d - 0009	66-1 1112	HUGH-N	HEEKS ROAD							
Activity 1d. 481	Herbicide	e Treatan	ter i i i i i i i i i i i i i i i i i i i							
Road District	-4									
4/29/2016	72058	1298	TALTON STEVEN W	1	18.22	0.52	\$9,48			
4/19/2016	72058	1012	TRUCK-HERDICIDE	E	42.01	0.52		\$21.85		
Road Ld - 66694	674 LITT	LE TUR	KEY ROAD							
Activity 51 401	Herbicida	e Tresfine	real law							
Read District	-2									
3/39/2016	72132	1320	GUTHERY THOMAS		15.66	0.50	\$7.83			
3779/2016	72132	1013	TRUCK-RERECIDE-2000	E	39.52	0.50		\$19.36		
7/19/2016	72132	2900	WATER	GAL.	0.00	2,008.00			\$8.00	
3/99/2016	72132	0910	HERBICIDE-MSMA (TARGET	T GALLON	21.46	15.00			\$321.90	
3/29/2016	72132	0916	HERBCIDE-DERON 4L	GALLON	18.09	15.00			\$279,00	
7/29/2016	72132	0928	HERBICIDE-GROUND ZERO	PINT	8,73	2,60			\$32.42	
2/19/2016	72132	. 0933	HERBICIDE-FOAM BUSTER	QT	11.30	9.25			\$2.43	
Read Id - 6089	OF LITT	LE WILL	LS VALLEY ROAD							
Activity Id. 481	Herbicide	e Trenime	and the second se							
Read District	-1									
3/29/2006	72132	1198	TALTON STEVEN W	1	18.22	0.56	\$6.58			
7/29/2016	72132	1043	TRUCK-HERBICIDE		39.52	8.36		\$14.23		
\$/20/2016	72188	1198	TALTON STEVEN W	- E	18.22	1.50	\$27.39			
\$/20/2016	72188	0834	PROKUP	1	18.07	1.50		\$27.11		
\$(29/2016	72188	1530	OUTHERY THOMAS	1	15.66	8.50	\$23.49			
Read 14 - 00059	634 LITT	LETON	CUT OFF BOAD							
Activity 1d 481	Herbicide	Treatme	and the second se							
Baad District	4	1111		100	1520	0.525	22012			
6/90/2006	72100	1198	TALTON STEVEN W	2	25.45	4.33	\$14,02			

Date	DJ 14		Description	itane 1d	State	Units	Emp Cost	Eqs.Cost	Mat Cost	Con Cost
Project 34 -28-818	INTERNE	THE PRO	KRAM							
Road Id - 0009	694 LITT	LETON	CUT OFF BOAD							
Activity 14 400	I. Herbicid	· Treatm	end .							
Road District	6-3									
6/10/2016	72100	1012	TRUCK-HERBICIDE	1.5	42.01	0.53		\$22.27		
Read Ld - 0009	20 - LITT	LETON	ROAD							
Activity \$4 400	I Berbicid	e Trestm	ent							
Road District	-3									
5/12/2016	73977	1198	TALTON STEVEN W	1.5	18.22	0.65	\$11.85			
512/0016	72077	0825	PICKUP	COLUMN STREET	19.21	6.65		\$12.49		
5/12/2016	12077	0921	HERBICIDE-GARLON 3-A	DALLON	32.99	1.00			\$32.99	
5/12/2016	72877	0911	HERBICIDE-2,4 D AMINE	GALLON	14.13	5.00			\$14.13	
3/12/2016	72077	2000	MATER	tiat	0.00	56.00			\$0.00	
5/12/2016	72977	1530	GUTHERY THOMAS		15.66	4.65	\$10.18			
6/10/2016	72190	1198	TALFON STEVEN W	2	36.45	0.55	\$14.02			
6/10/3016	72109	1012	TRUCK-HERDICIDE	1	42.01	0.53		\$22.27		
8/1/2016	72340	1198	TALTON STEVEN W	1.1	18.22	1.00	\$18.22			
8/1/2016	72143	0804	PICKUP	100	18.07	1.00		\$18.07		
81/2016	72140	1130	GUTHERY THOMAS	1.1	15.66	1.00	\$15.66			
9010016	72589	1198	TALTON STEVEN W		18.22	8.76	\$13.85			
921/2016	72189	1012	TRUCK-HERINGENE		39.52	0.76		\$36.04		
921/2016	72189	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	15.00			\$454.81	
9/35/2016	72189	0928	HERBICIDE-GROUND ZERO	PINT	8.71	1.00			58.71	
921/2016	721.89	2000	WATER	GAL	0.00	1,008.00			\$0.00	
Road 1d + 0009	76-; LON	GYTEW	DRIVE	1000		10000				
Activity 1d 401	Herbicid	Treatm	esil .							
Read District	-1									
1/16/2016	22113	1150	OUTHERY THOMAS		15.66	0.38	\$5.96			
1119/2016	72132	1005	TRUNCK-HERRICIDE-2000	1.1	39.52	6.38		\$15.00		
9/27/2016	221996	1136	CETTHERY TIKOMAS	1.1	15.66	8.45	\$6.74			
6/17/0616	72196	1013	TRUCK-MERINCEN-2000		30.52	0.43		\$17.00		
Road 1d - 0009	77-: LON	Z ROAD	States and a second states and a second		14648	1000		14000		
Arrively M. 481	Herbick	Transferre	test (
Read District	-1		The second second second							
109/2016	221132	11100	TALTON STEVEN W	1.1	18.22	0.36	56.55			
1779/2016	72132	1012	TRUNK ARRINGTON	1.0	19.52	0.35		\$14.23		
8/34/2016	72163	1108	TALTON STEVEN W		18.72	8.67	\$12.78			
8754/3054	22163	0874	PERCE		18.07	8.47		\$12.11		
\$714,70116	22164	1150	CETTERNY TREAMS		11.66	8.47	\$10.42			
Read 14 - 0000	80- LOU	IL DUNS	N BOAD				414074			
Activity 54 481	Sherbind.	Trantes	int int							
Read District	-1									
4/30/3015	230/58	1110	CETHERY THOMAS	1.11	11.66	0.35	\$9.00			
4/39/3034	72699	1017	THICK-RESILCTNE-2000		42.01	0.58		\$24.37		
1/36/3016	221.38	1150	CETHERY TIKIMAS		15.66	6.32	\$12.66			
106/0016	12138	1013	TRUCK ARRESTOR 3800	100	39.52	8.77		\$30.44		
Read Ld - 0009	84: 1.00	ISE CIR	CLE.							
Activity M. 484	I. Herbield	Treating	ind land							
Read District										
TORONA	11111	1150	CETTUREY TWALKS		15.66	0.18	\$1.06			
1/14/04/14	991.99	1043	THIS'S - SERVICE TOOL		39.52	0.38	40.75	\$15.00		
5/11/2016	23100	11740	CETTERY THEATS		15.44	0.42	44.94	410.00		
6/73/2019	73164	1047	THEFT AND DESCRIPTION AND		39.67	6.45	180,13	117.00		
Real Ld	1004 1 107	CHE MAN	INTAIN BOAD	7 C	34.26			31.1.00		
Automatical Control	i Blacktore	Terret	and a state of the							
Autrity to 401	. merrecele	e areana	1							
Active Constraint	mart	1.000	The state of the state of the	1.1	18.00	0.00	100.00			
4118/2015	10000	1000	TRANSPORT OF TRANSPORT		43.44	0.74	30.48	101.05		
400,0000	10037	1000	TAL TON ATTACK OF	10	10.00	6.04	114.44			
0.012010	1.000	1114	THE PARTY OF A DAY W		19.65		910.39			

Date	10.14	M	Description	Rate Id	Rate	Units	Emp Cost	Equ Cest	Mat Cost	Con Cost
Project 14 -28-808	MEMORY	IDE PRO	GRAM	0	- 20					
Read 14 - 8909	994 LUCI	KIE MO	UN FAIN ROAD							
Activity Id. 401	Berbick	e Trealmi	end .							
Read District	-3									
6/8/2016	72998	1012	TRUCK-HERBEIDE	1.0	42.01	0.91		\$38.23		
9/27/2016	32396	1198	TALTON STEVEN W	- C	18.22	0.55	\$10.03			
9/27/2016	721946	1012	TRUCK-HERBICIDE	- E	39.52	0.55		\$21.74		
9/27/2806	72196	0921	HERINCIDE-GARLON 3-A	GALLON	12.99	13.00			\$454.85	
9/210846	72196	0928	HERBICIDE-GROUND ZIGK) PINT	8,71	1.00			\$1.71	
9/27/2816	72196	2000	WATER	GAL.	8.00	1,000.00			58.00	
Road 14 - 0009	94 : LUTI	ES SHILL	LEY ROAD							
Activity 14 -401	Herbicia	e Trentm	int in the second s							
Road District	-3									
4/26/2916	72963	1198	TALJUN STEVEN W	- E.C.	18.22	0.50	\$9.11	5-263-027		
4/26/2016	73063	1012	TRUCK-HERBICIDE		42.01	0.50		\$21.00	10000	
4/26/2016	72063	0913	HERBICIDE-2,4 D AMINE	GALLON	14.13	11.00			\$155.41	
4262916	72063	19936	HERBEIDE-SULPOMET	LB	28.05	0.94			\$26.31	
426/3916	72263	0928	HERINGER-GROUND ZERO	D PINT	8.71	1.00			\$8.71	
4/26/2016	72063	2000	WATER	GAL	0.00	1,000.00			\$1.00	
7/18/2016	72834	1198	TALTON STEVEN W	- EC:	18.22	0.37	\$6.75			
7/18/2016	72138	1012	TRUCK-HERBICIDE	1.5	39.52	\$.37		314.63		
8/31/2816	72169	1198	TALTON STEVEN W	8. C	18.22	8.65	\$11.83			
\$312916	72160	0804	PICKUP	and the s	38.07	0.65		\$11.75		
\$312916	72169	6921	HERBICIDE-GARLON 3-A	GALLON	32.99	1.50			\$49.49	
8/31/2016	72169	0910	HERBICIDE-MSMA (TARGE	T GALLON	21.46	1.59			\$32.19	
8/31/2016	72148	2000	WATER	GAL.	0.00	75.00			\$8.00	
\$310916	72169	1130	GUTHERY TIKIMAS	1 I.	15.66	0.65	\$10.18			
Raad Id - 0009	98-: MAC	EDONIA	ROAD							
Activity 3d -401	Herbicida	e Treales	teril							
Road District	-1									
6/28/3016	72815	1198	TALTON STEVEN W	- ES	18.22	0.59	\$10.75			
6/28/2016	72115	0814	PICKUP	- EO	19.21	0.59		511.34		
6282016	72213	1530	GUTHERY THUMAS	1.5	15.66	8.59	\$9.24			
7/19/2016	72132	1570	OUTHERY THOMAS	10 C	15.66	6.38	\$3.96			
7/15/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	8.38		\$15.02		
9/21/0016	72196	1530	GUTHERY THOMAS	- E .	15.66	6.45	36.74			
9232016	72196	1013	TRUCK-HERBCIDE-2000	8 C	39.52	0.43		\$17.08		
Road Id = 0010	10+ MAN	NDR								
Activity 14 400	Herbicide	e Treatme	iant de la constant d							
Road District	-2									
6080016	72111	1198	TALTON STEVEN W	- E.	18.22	0.59	\$10.75			
6/28/2016	72155	0814	PICKUP	1.1	19.21	0.59		\$11.34		
6/28/2016	72515	1550	GUTHERY TIKIMAS	- E	15,66	0.59	\$9.24			
9/1/2016	72173	1118	TALTON STEVEN W	1.5	18.22	0.43	57.84			
9/5/2016	72171	0824	PICKUP	- E -	18.07	0.43		\$7.78		
91/2016	72175	1530	GUTHERY THOMAS	1.1	15.66	0.43	56.74			
Hand Id - 0030	E3-: MAP	LE BRIN	/E							
Activity M 401	Herbicide	e Treahme	and the second se							
Road District	-4									
7/18/2016	72131	11198	TALTON STEVEN W	1.1	18.22	6.37	\$6.79			
7/18/2016	72131	1012	TRUCK-HERBICIDE	£	39.52	0.37		\$14.63		
Road Id - 0010	15: MAP	LE LAN	E							
Activity 54 400	Herbicida	Treates	est in the second se							
Road District	-4									
4/15/2016	72958	1198	TALTON STEVEN W	122	18.22	0.52	59.48			
4/19/2016	72058	1012	TRUCK-HERBICEDE	1.1	42.01	0.52		\$21.85		
Baad Id - 0010	19-1 MAP	LEWOO	D ROAD							
Activity 1d 400	Herbicide	Treatme	tert .							
Road District	-3									

PAGE 52 OF 138

Date	DJ M	м	Description	Marie Id	Rain	Units	Emp Cost	Eqn Cert	Mat Cost.	Con Cast
Project 3d -28-818	HERBE	IDE PRO	GRAM	-11002	2011	- CC216-	1001200110	- 004000		
Read Ed - 0018	19-: MAP	LEWOO	DD BOAD							
Activity M. 40	l Herbield	e Treatmi	cut							
Road District	-3									
4/25/2016	32062	1196	TALIUN STEVEN W	1. S	18.22	0.45	\$8.20			
4/25/2016	72963	1012	TRUCK-HERBICIDE	- C.	42.01	0.45		518.91		
7/18/2016	72134	1198	TALTON STEVEN W	- E	18.22	0.37	\$6.79			
7/18/2016	72131	1012	TRUCK-HERBICIDE	8 C	39.52	0.37		\$14,63		
Boad Ed - 0010	28-c MAR	IE DRIV	E							
Activity Id 400	I Herbicidi	Treatme	tert .							
Road District	-1									
4/20/2016	72059	1139	GUTHERY THOMAS	8	15.66	0.58	\$9.09			
4/20/2016	73959	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24,37		
6/2/2016	72093	1530	GUTHERY THOMAS	10.2	15.66	1.00	\$15.66			
6/2/2016	72093	1013	TRUCK-HERBICIDE-2008	1.	42.01	1.00		\$42.01		
9192016	72187	1530	GUTHERY THOMAS	1.5	15.66	0.66	\$10.34			
9/19/2016	72187	1003	TEUCK-HERBEIDE-2000	1	39.52	0.65		\$26.09		
Road Ed - 0018	De: MAR	K WIIIT	TROAD							
Activity Id. 401	Herbicide	r Treatme	test in the second s							
Road District	-3									
6/3/2016	32094	1198	TALTON STEVEN W	1.0	18.22	1.00	\$18.22			
6/3/2016	73994	0814	PICKUP	1	19.21	1.00		\$19.21		
6/3/2016	72094	1530	GUTHERY THOMAS	2	22.81	1.00	\$22.81			
6/15/2016	72164	1198	TALTON STEVEN W	1	18.22	0.45	\$7.84			
6/15/2016	22004	1012	TRUCK-HERBICIDE		42.01	6.43		\$18.07		
6/2/2016	32144	0.198	TALTON STEVEN W	10	18.22	0.50	\$9.11			
8/2/2016	22144	0814	PICKUP	10	18.07	6.55	0.000	\$9.04		
8/2/2016	72104	1130	OUTHERY THOMAS	1.	15.66	6.50	\$7.83			
Band Id - 0018	27+ MAR	TIN NO.	AD							
Activity 34 alt	Berbicht	Trantas								
Road District	.1									
6/1/2016	12082	1830	GUTHERY THOMAS	100	15.66	0.29	54.55			
6/0/2016	73980	1013	TRUCK-HERBICIDE-2000	10	42.01	0.29		\$17.19		
9010016	22189	2530	OUTHERY THOMAS		15.66	0.36	\$11.91	2000		
9710916	221689	bhik	TRUCK HERBITE 2000	12	19.52	0.96	2012/02/02	\$30.04		
Hand Id - 0010	AL- MAR	V III.IZ	BETHLANE	2.5		1.00				
Activity \$4,400	Harddald.	Treatme	and a second							
Read District			7							
6/23/3016	22111	1196	TALTON STEVEN W		18.22	0.55	\$9.11			
6/23/2016	22111	unit?	TRUCK-HERDICIDE	- E	47.64	6.58		\$21.01		
Bund Ld . 0010	45+ MAT	TANET	REGAD		10.11					
Activity 54 -401	Harbirth	Terator								
Road District	-1									
4202016	720.99	1520	OUTHERY THOMAS	100	15.66	0.58	39.09			
4/20/2016	23640	nterh	TRUCK_HERBOTEL_2000		47.01	0.14		\$24.37		
5/3/2016	120600	1195	TALTON STEVEN W	100	18.22	0.75	\$13.85			
53/3016	22564	10014	PROVING A STREET, STRE		19.21	0.16	401000	\$34.60		
5/5/2016	72000	1130	CONTRACTOR TRACTAGES	2	11.66	0.78	811-91			
224/2016	10138	1430	CUTHER V THOMAS	1.1	19.65	0.77	\$12.06			
7/26/2016	2212.24	inter la	THE NEW ADDRESS TO AND		10.55	6.75	A12.00	\$10.44		
102002010	77365	1108	TAL YOM STRUCK BY		18.22	0.47	493.31	210.01		
8/24/2010	22242	1000	ENGLISHED STREET	2.0	18.07	0.47	PLAN	407.14		
10404010	14100	1424	CONTRACTOR MILLIONANC		15.45	6.47	E15 80	- 804-01		
8/24/2016	1229.0	1100	OUDBERT THOMAS	A	13.00	0.82	3110.20			
read by - 0010	OFC MAR	O ROAS								
Activity 14:40	Herbecka	Tratas								
Road District	-		A AL MAIN AND A REAL AND		10.00		\$10.0 ML			
2012/2016	12001	1126	TALOUS STEVEN W		10.00	0.33	311.11			
5/12/2016	72871	0005	CHICKNER A THEOREM	1	19,11	0.30		\$10,51		
917/3819	12001	1200	OUTSHORT THUMAS		15.66	8.33	20.01			

000000	2010	2011	1200 BR10 A	121123	0253	12429	101120-0	1001200	2220.223	1000
Date	DIM	м	Description	Rair 3d	Rair	Units	Emp Cost	Equ Cost	Mat Cost	Can Cost
Project ld - 28-818 Road Id - 00302	-18EEBBC	IDE PRO O ROAD	GRAM 9							
Activity 34 400	Berbicia	Treatme	ead to be a set of the							
Read District	-4									
8382016	72558	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
\$78/2016	72158	0814	PERGEP	1.5	18.07	0.50		\$9.04		
8/18/2016	72158	1520	OUTHERY THOMAS	1.	15.66	0.50	\$7.03			
Road Ld - 00105	51- MAY	OROAD	SOUTH							
Activity 3d 400	Herbicid	Treatme	ter.							
Read District	-4									
5/12/2016	72971	1298	TALTON STEVEN W	1	18.22	0.55	\$10.03			
5/12/2016	72077	0815	PICKUP	1	19.23	0.55		\$18.57		
3/12/2016	73077	1530	OUTHERY THOMAS	1	15.66	0.55	\$8.62			
8/38/2016	72158	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
8/18/2016	72158	0814	PICKUP	1	18.07	0.50		\$9.04		
8/18/2016	72158	0821	HERBICIDE-GARLON 3-A	GALLON	32.99	2.00			\$65.98	
1/16/2016	721.58	0910	HERBICIDE-MEMA (TARGE	T GALLON	21.46	2.60			\$42.92	
8/18/2016	72158	2000	WATER	(LAL)	0.00	108.99			50.00	
8/18/2016	22558	1530	GRITHERY THOMAS	1	15.66	0.50	\$7.83			
Road Id + 0030	52-1 MCB	RAVER	LANE							
Activity Id 400	Herbicide	Treatme	and the second se							
Road District	.1									
92/2016	72172	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/2/2016	72172	0814	PICKUP	1	18.07	0.71		\$12.83		
9/2/2014	73172	1530	GUTHERY THOMAS	1	22.81	6.71	\$16.20			
Road Id - 0030	St- MCC	ARVER	DRIVE							
Activity M 400	Herbicide	Treatme	test .							
Read District	-2									
6/1/2016	73993	1730	GRITHERY TIKIMAS	1.5	15.66	0.29	\$4.15			
6/1/2016	72642	1013	TRUCK-HERBICEDE-2900		42.03	0.29		512.19		
925/3916	72189	1130	GUTHERY THOMAS	1.1	15.66	0.77	\$12.06			
971/0016	22189	1013	TELCK-HERBICEN-2000		39.52	6.77		530.44		
Road Id - 0010	554 MCC	LAINAY	VENUE		10,000					
Activity Id 400	Herbick	Treatme	and the second se							
Read District	.1									
6/1/2016	73992	1530	GUTHERY THOMAS		15.66	6.29	\$4.55			
6/1/2014	73892	1013	TRUCK-HERBICEDE-2000		42.01	0.29	10046	\$12.19		
2/20/2016	22133	1198	TALTON STEVEN W		18.22	1.55	\$27,13			
100/0016	72130	0814	PICKUP		18.07	1.50		\$27.11		
1060016	21533	1156	GUTHERY THOMAS	1	15.66	1.58	\$23.49			
9/2/2016	23173	1198	TALTON STEVEN W	1.2	18.22	0.71	\$12.54			
9/2/2016	72172	0854	PICKUP	1.1	18.07	0.71		512.00		
9/2/2016	72172	1130	GUTHERY THOMAS	2	22.81	0.71	\$16.30			
923/2016	72191	1100	GUTHERY THOMAS	2	22.81	0.45	\$10.77			
9/23/2016	72190	1013	TRUCK-HERBICEDE-2000	1	39.52	0.45		\$17.79		
Boad Ld - 00105	56-; MCC	LENDO	N ROAD							
Activity 54, 401	Marbield.	Trantme	and the second se							
Read District	.1	1000								
6/6/2016	73994	1198	TALTON STEVEN W	1.1	18.22	0.95	\$14.59			
6/8/2016	73998	1012	TRUCK-HERBICIDE	10	42.01	0.91		\$38.23		
914/3916	72163	1198	TALTON STEVEN W	1.1	18.22	0.17	\$14.03			
914/1016	72182	1017	TRUCK-HERBICIDE	1.1	39.52	0.77		\$30.44		
Read Ld - 0010	Sh: MOC	LOUDA	IOAD							
Activity 54 and	Harbield	Trans	coll line							
Read District	.3									
TO BUDDLE	211111	11000	GUTHERY TROPAGE	1.1	11.66	0.64	\$10.54			
Triansie.	22124	PROF N	TRUCK-HERBERTS, 1990		10.57	0.64		\$26.09		
4/0/3/14	221.22	11100	TALTON STEVEN W		18.72	0.75	\$22.94			
1000016	234.72	0474	INCRUP.		10.00	0.71		101.00		
WOUNDER.	13113		- BURGER		10.01					

Date	DIM	м	Description	Rate M	Bale	Units	Emp Cost	Equ Cost	Mat Cast	Can Cas
Project Id -28-018	-HERBIC	THE PRO	IGRAM							
Road 1d - 0000	ISB-I MCC	LOUD 8	BO.AD							
Activity Id 40	I Herbicid	e Treatme	end							
Read District	1.2						0.000			
9/2/2016	72172	1530	GUTHERY THOMAS	3	22.81	0.71	\$16.20			
\$1352006	72183	1530	GUTHERY THOMAS	F	15.66	0.50	\$7.83			
WI5/2014	72183	1613	THUCK-HERBICIDE-3000	1	39.52	0.50		\$19,76		
Read 1d - 0010	694 MCC	TTANK	STREET							
Autivity Id. 48	1 Horbicid	e Treatme	cat.							
Band District	(-1									
8/24/2016	72165	1198	TALTON STEVEN W	1 .	18,22	0.67	\$12.21			
\$242015	72163	0634	PICKUP	1	18.97	0.67		\$12.11		
8/24/2016	72168	:1530	OUTHERY THOMAS	1	15.66	0.67	\$39.50			
Read 1d - 0010	HI- MOC	ORMIC	K LANE							
Activity M 48	I Herbicid	e Treatmi	int							
Road District	(-4 ·									
9/29/2014	72187	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
\$19,2014	72147	1932	TRUCK-HERINCIDE	1.1	39.52	0.71		\$28.06		
Read 1d - 0010	62< MCC	OURT B	IOAD .							
Activity 64 48	I Herbicid	e Treatmo	rait.							
Read District	t -4									
6/24/2016	72112	1198	TALTON STEVEN W	3	26.45	0.50	\$15.23			
6/24/2016	72112	1012	TRUCK-HERINCIDE	1	42.01	0.50		\$21.01		
8/18/2016	72158	1198	TALTON STEVEN W	1.1	18.22	0.99	89,13			
818/2016	72158	0814	PICKUP	- E	18,07	0.50		59.04		
\$182014	72158	1530	GUTHERY THOMAS		13.66	0.50	\$7.83			
9/16/2014	72184	1199	TALTON STEVEN W	. L .	18.22	0.75	\$12.94			
9/16/2016	72184	1012	TRUCK-HERINCIDE	1.	39.52	0.71		\$28.06		
Band 14 - 0018	63-: MCC	OV LAS	E.							
Activity Id. 40	I Berbicid	e Treatme	1 at							
Road District	1.12									
5/4/2016	72070	1198	TALTON STEVEN W		18.22	1.00	\$18.22			
5/4/2016	72970	0614	PICKUP		19.21	1.00		\$19.21		
54/2916	72070	1.530	GUTHERY THOMAS	1 C	15.66	1.00	\$35.66			
6/5/2016	72092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72992	1013	TRUCK-HERBICIDE-2900	1	42.01	0.29		\$12.19		
Read Ed - 0010	66-c MCC	URLEY	ROAD							
Activity 1d 40	I Herbicid	Treatm	rant							
Road District	t-4									
8182014	72158	1198	TALTON STEVEN W	1	18.22	0.90	\$9.11			
8182016	721158	0614	PICKUP	L	38.07	0.50		\$9.04		
8182004	72158	1538	GUTHERY THOMAS		15.66	0.55	37.83			
Boad Id - 4018	76-: MCW	HORTE	REGAD							
Activity 14 -40	I Herbicid	e Treatme	ewt .							
Road District	1-4									
6/27/2016	72114	1198	TALTON STEVEN W	1	18.22	1.00	\$38,22			
6/27/2016	72114	1012	TRUCK-HERBICIDE	1	42.01	1.00		\$42.01		
9/19/2016	72187	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9192016	73187	1012	TRUCK-HERBICIDE	1	39.52	0.73		\$28.06		
Rand Id - 0018	79-c MEA	DOM L/	ANE							
Activity Id. 40.	I Herbicid	e Trestmi	test .							
Road District	E + 3									
4/29/2014	72116	1198	TALTON STEVEN W	1	18.22	0.59	\$80.75			
6/29/2016	72116	1012	TRUCK-HERBICIDE	1	42.01	0.59		\$24.79		
8162016	72156	1198	TALTON STEVEN W	1	18.22	8.67	\$12.23			
816/2016	721.56	0814	PICKUP	1	18.97	0.67	1000	\$12.11		
8162016	72156	1530	GUTHERY THOMAS	1	15.66	0.67	\$38.50	Ch. March		
Road Id - 0010	874 MEA	NS ROA	D	100			2,520			
	1 1 1 1 1 1 1 1 1		15							

Activity Id 401 Herbicide Treatment

Date	DIM	M	Description	Rate 1d	Rate	C'arite	Emp Cost	Equ Cost	Mat Cost	Con Con
Project Id -28-818	INTEREST	IDE PRO	CRAN							
Road Id - 0010	874 MEA	NS BOA	D							
Activity 34 -401	l Herbicid	e Treatme	end							
Read District	-2									
403/2014	72960	1530	GUTHERY THOMAS	1.5	15.66	0.66	\$10.34			
4/23/2816	72060	1013	TRUCK-HERBICENE-2000	1.	42.01	0.66		\$27.73		
5/2/2016	72068	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
5/2/2016	72068	0824	PICKUP	1	19.23	1.00		\$19,21		
5/2/2016	72068	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	0.75			\$24,75	
\$2,0086	72068	0912	HERBICIDE-ROUNDUNGLY	V GALLON	14.49	6.50			\$7.25	
5/2/2016	72068	0910	HERBICIDE-MSMA (TARGE	T GALLON	21.46	1.25			\$26.83	
5/2/2016	72068	2900	WATER	GAL	0.00	99.00			\$9.00	
5/2/2016	72068	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
9/15/2016	72183	1530	OUTHERY THOMAS	1.2	15.66	0.50	\$7.85			
915/2016	72183	1913	TRUCK-HERDICRDE-2000	1	39.52	0.50		\$19.76		
9/30/2016	72188	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
9/20/2016	72188	0814	PICKUP	1.1	18.07	1.60		\$18.07		
9/20/2016	72188	1510	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
Road 1d - 0000	88-1 MEE	KS DRIV	E.							
Activity 52 401	Reducid	Treatme	and the second se							
Read District	-1									
6/21/2016	72109	1198	TALTON STEVEN W	1.	18.72	0.55	\$18.93			
6/21/2016	72109	1612	TRUCK-SERRICIDE	1	42.00	0.55	0.000	\$25.11		
\$/10/2014	72151	1198	TALTON STEVEN W		18.22	0.66	\$12.03			
8/10/2016	72151	0814	PERCP	10	18.07	0.66	0.04-5	\$11.91		
\$/10/2016	72110	1530	OUTHERY THOMAS	1	15.66	0.66	\$10.54			
9262016	77195	1198	TAUTON STEVEN W	1	18.22	0.66	\$12.05			
\$75,7015	72144	1012	THACK-DERINGTON	100	39.42	0.66		\$36.09		
Read 1d - 6000	H-: MILI	LIULL P	IOAD							
Activity for 481	Berbirds	Treatme	test .							
Read District	-1									
\$710/2016	72075	1198	TALTON STEVEN W	1.1	18.22	1.50	\$22.33			
\$735/2036	72075	10114	PRXUP	1.1	19.23	1.50		\$28.82		
5/10/2015	72075	1530	CEITHERY TROMAS	1.5	15.66	1.50	\$23.49			
6/8/2016	72694	1198	TAUTON STEVEN W		18.22	0.91	\$16.99			
A/8/2016	72098	1017	TRUCK - DEBRICTOR		67.00	0.91		\$18.73		
8/1/2016	72145	1198	TALTON STEVEN W	10	18.22	1.00	\$18.22			
\$/1/268A	72141	0814	PICKUP		18.07	1.00		\$18.67		
\$12004	22143	1510	CETHERY THOMAS		15.66	1.00	\$15.66			
98/2014	72177	1108	TALTON STEVEN W	100	18.22	1.00	\$18.22			
9902645	72177	1012	THEX-MERIDICIDE		39.43	1.00	215.64	\$19.51		
Read 14 - 0000	No. MIL	UR BOH	LOW BOAD							
Activity M 401	Herbick	e Treatme	and a second							
Road District	-4		The second second second							
4/36/2016	7206.0	1198	TALTON STEVEN W	1	18.72	0.50	49.11			
4/36/2016	72063	1015	THUCK SERVICINE	1	42.03	0.50		\$21.00		
1/14/1014	72138	1158	TAL TON STEVEN W	1.0	18.77	0.94	\$16.99			
1716/2016	722.58	1017	TRUCK AND ROTING		39.43	0.94		\$15.47		
8775/0614	72163	1100	TAL TON STEVEN W		18.22	0.85	410.00			
8/23/2014	71145	0014	DOCTOR DISTORT		18.07	0.52	10.000	99.40		
STELENALS	99143	1530	CONTRACTOR AND A	2.5	15.66	0.45	49.14	20.40		
Read Ld . Anton	AT	AND DAY	CARGE AND A CONTRACT OF A CONT	100 C	1.1.00	4.04				
Activity in and	House of	Traile								
Read Block	. mesna	e president								
ACCOUNTS OF	The set		THE TWO STEWED IN	A	10.00	1.000	1.000			
AV 8 64 200 5 5	72120	0014	DATE OF A DESCRIPTION O		18.65	4.99	10.11	40.04		
#1807095	121228	1014	CETHERY THEATER		10,000	9.50		Portie		
Wand I.d. anothe	ALC: NO. 1	KIN MAD	AD AD		++,08	1.00	21.40			
Automatic ball and	Haddings	Territ								
ACCOUNT OF 481	1001 Decision	a contraction								

PAGE 56 OF 138

Date DJ 14 84 Description Rate M RMR Units Emp Cost Eqs Cost Mat Cost Cost Cost Project Id -28-608-IMERBICIDE PROGRAM Read Md - 001098-: MILLER HOAD Activity Id 401 Herbicide Treatment **Boad District -6** 11.22 \$10.07 4/20/2006 TALTON STEVEN W £ 0.3512059 1158 \$23.11 4/20/2006 73959 1012 TRUCK-HERBICIDE t 42.64 0.55 Boad 1d - 002002 c MIMOSA STREET Activity Id: 401 Herbickle Treatment Road District - L 1198 TALTON STEVEN W 18.22 0.58 \$9.11 4/36/2604 72063 ï \$21.01 2012 42.01 6.58 4/26/2016 73963 TRUCK-HERBICIDE 1 7192006 72132 1156 TALTON STEVEN W 1 18.22 9.36 \$6.54 1192006 721132 1012 TRUCK-HERBICIDE x 39.52 0.36 \$14.23 Bead M = 002003-; MINE ROAD Activity Id 401 Herbickle Treatment **Road District - 3** 18.22 0.36 \$6.56 319/2016 12132 1194 TALTON STEVEN W 1 39.52 0.36 715(20)6 72130 1012 TRUCK-HERBICTOR r \$14.23 Boad 1d - 002004-: MINNESOTA BEND TRAIL Artivity Id: 401 Herbicide Treatment **Rand District -6** 4/20/2016 72959 1198 TALTON STEVEN W £. 18.22 0.53\$10.03 4/20/2016 72059 1012 TRUCK-HERBICIDE £ 42.01 6.55 \$25.11 Boad Id - 082005+ MINSHEW DRIVE Activity Id 401 Herbicide Treatment **Road District -3** \$107016 72151 1156 TALTON STEVEN W 1 18.22 0.66 \$12.03 PERCEP ı. 18.07 0.66 \$11.93 \$10206 73.051 0814 8/10/2016 32151 1534 GUTHERY THOMAS 1 15.66 0.66 \$10.34 9/28/2016 721997 1128 TALTON STEVEN W ×. 18.22 0.55 \$20.03 23691 TRUCK-HERBICIDE t 39.52 0.55 \$21.74 9/28/2016 1012 Rept Id - 902013-: MIZELL CIRCLE Activity Id. 401 Herbicide Treatment **Boad District -3** 5/11/2016 TALTON STEVEN W ŧ 18.22 0.40 \$9.11 72976 1158 19.21 0.50 5/11/2006 73976 0834 PICKUP x \$9.61 OUTHERY THOMAS 1 15.66 3,55 \$2.83 5/11/2016 32876 1530 1 18.22 0.50 \$9.11 6/23/2016 32111 1154 TALFON STEVEN W 42.00 \$21.01 1 0.50 6/23/2016 72111 1012 TRUCK-HERBICIDE TALTON STEVEN W 18.22 0.77 \$14.03 81712016 72157 1158 1 8/17/2016 72137 18.07 6,77 \$13.92 0614 PERUP x 15.65 0.77\$12.06 8/17/2006 72157 1530 1 OUTHERY THOMAS \$12.03 9/26/2016 72195 1158 TALTON STEVEN W x 18.22 9.66 39.52 \$36.09 9/26/2006 71195 1012 TRUCK-HERINCIDE 1 0.66 Road Id - 992014: MOCKINGBERD STREET Activity Id 401 Herbicide Treatment **Road District -2** 2192006 1534 GUTHERY THOMAS. 15.66 0.38 \$5.96 221122 х. 1 39.52 0.34 \$15.02 2/19/2006 72132 1013 THUCK-HERBICIDE-2000 I. 0.43 \$6.74 \$27(2006 72196 1538 OUTHERY THOMAS 15.66 39.52 0.43 \$17.00 \$2722006 72196 1013 TRUCK-HERINCIDE-2000 τ. Band 1d - 002016+ MOLLY LANE Activity Id. 401. Herbicide Treatment **Baad District** -2 3/19/2005 1538 GUTHERY THOMAS 15.66 0.34 \$5.96 72132 ł \$15.02 719/2006 39.12 15.54 72133 1013 TRUCK-HERBICIDE-2008 1 0.43 9/27/2006 72196 1530 GUTHERY THOMAS 1 15.66 \$5.74 39.52 8.43 \$17.00 9/27/26/16 22196 1013 TRUCK-HERBICIDE-2008 £. Boad 1d - 002021+ MOODYS CHAPEL BOAD

HERE CHARGES HOUSES CHARELEN

Date	DJ M	- M	Description	Rate M	Rate	Units	Eng Cod	Equ Carl	Mari Cost	Con Cost
Project Id -28-008	INTERNET	IDE PRO	GRAM							
Boad 54 - 0020	21-; MOO	IONS CI	APEL ROAD							
Activity Id 401	Herbicid	e Treatme	and the second se							
Road District	-4									
5/16/2006	72080	1198	TALTON STEVEN W		18.22	0.83	\$15.13			
5/16/2016	72980	0614	PICKUP	1 C	19.21	0.83		\$15.95		
5/16/2016	72060	1530	GUTHERY THOMAS	1.1	15.65	0.83	\$13.00			
6/90/2016	72123	1196	TALTON STEVEN W	- E	18.22	0.90	\$16.40			
6/30/2016	72123	1012	TRUCK-HERBICIDE	10.00	42.01	0.90		\$37.81		
6/30/2016	721123	0935	HERINCIDE-MSMA (TARGET	GALLON	23.46	15:00			\$121.90	
6062806	72123	0935	HERBICIDE-DIURON 4L	GALLON	18.00	15.00			\$270.00	
6/30/2016	721(22)	0928	HERBICIDE-GROUND 22910	PINT	8.21	1.00			\$8.21	
6/30/2016	72123	2090	WATER	GAL	0.00	2,000.00			\$5:00	
8182016	72158	1178	TALTON STEVEN W	8.2	18.22	0.50	39.11			
8/18/2016	721.58	0814	PICICUP	1 C	18.07	0.50		\$9.04		
8182916	72158	1530	GUTHERY THOMAS	1.	15.66	0.50	\$7.83			
9/17/2016	72185	1198	TALTON STEVEN W	3	26.45	1.00	\$52.90			
912(2016	72185	1012	TRUCK-HERBICIDE		39.52	2.09		\$79.04		
9112816	72188	0921	HERBICIDE-GARLON 3-A	GALLON	55.48	15.00			\$847.20	
9170816	72185	0928	HERBICIDE-GROUND ZERO	PINT	8.48	1.00			\$8.48	
917(2016	72185	2000	WATER	GAL.	0.00	1,000.00			50.00	
Hoad Id - 00202	22-: MOO	N 80345								
Activity 1d 401	Berbicid	· Treatme	int in the second se							
Road District	-1									
4/21/2016	72960	1530	GUTHERY THOMAS	1.2	15.66	0.66	\$10.34			
4/23/2016	72068	1013	TRUCK-HERBICENE-2000	1	42.01	0.65		\$27.73		
7/28/2016	72340	1198	TALTON STEVEN W	10	18.22	1.00	\$18.32			
7/28/2016	72140	0854	PICKUP	1.0	18.07	1.09		\$18.07		
7/28/2016	72140	1530	GUTHERY THOMAS	1.1	15.65	1.00	\$15.66			
9/15/2016	72183	1130	GUTHERY THOMAS	1.5	15.66	0.50	\$7.83			
9/15/2016	72183	1003	TRUCK-HERBICEDE-2000	122	39.52	0.50		\$19.76		
Read Ed - 00203	27-; MOR	GAN B.C	14D							
Activity 1d -401	Berbicid	· Treatme	and the second se							
Road District	-1									
4/18/2016	72857	1530	GUTHERY THOMAS	1.5	15.65	0.41	\$6.43			
4/18/2016	73055	1013	TRUCK-HERBICEDE-2000	E	42.01	0.41		\$17.23		
9/23/2016	72194	1550	GUTHERY THOMAS	2	22.81	0.45	\$10.22			
9/23/2016	72191	3013	TRUCK-HERBICEDE-2000	1.	39.52	0.45		\$17.79		
Road Id - 00283	Mr. MOS	LEY BO	AD							
Activity 1d -401	Herbicide	Treatme	and the second se							
Road District	-2									
4/15/2016	72958	1130	GUTHERY THOMAS	1.5	15.66	0.58	\$9.09			
4/15/2916	12058	1013	TRUCK-HERBICIDE-2006	100	42.01	0.58		\$24.37		
7(23)2946	72128	1530	GUTHERLY THOMAS	2	22.81	0.99	\$13.46			
1220906	72135	1013	TRUCK-HERBICEN-2000	8.12	39.52	0.59		\$23.32		
Road Ed - 0020-	414 MOU	NEAINS	MEADOW DRIVE							
Activity 1d 400	Herbicide	e Treatme	and the second							
Road District	-1									
4/20/3916	72859	1530	OUTHERY THOMAS	(1)	15.66	0.58	\$9.09			
4/20/2016	72059	1013	TRUCK-HERBICEDE-2000	1.5	42.01	0.58		\$24.37		
7/26/2016	72138	1330	GUTHERY THOMAS	1 C	15.66	0.17	\$52.06			
1060916	72138	1013	TRUCK-HERBICEDE-2000	1.1	39.52	0.37		\$30.44		
Road Id - 0028-	42-: MOU	NTAIN	PASS BOAD							
Activity Id. 401	Herbicide	Trutter	and the							
Road District	-1									
4/20/2016	72059	1530	GUTHERY THOMAS	(1)	15.66	0.58	\$9.09			
4/20/2916	72859	1913	TRUCK-HERISCENI-2006	1.	42.01	0.58		\$24.37		
5/3/2016	73969	1198	TALTON STEVEN W	1.2	18.22	0.76	\$13.85			
53/2016	72069	0814	PICKUP	1.2	19.21	0.76		\$14.60		

Date	DJM	N	Description	Rate M	Rate	Units	Emp Cost	Eqs Cost	Mart Cost	Con Cost
Project M -28-813	- INFREM	IDE PRO	GRAM				- W-	- <u>1</u>		
Hoad Ed = 0020	HE- MOL	NTAIN	PASS HDAD							
Activity M 40	1 Berbicid	e Treatme	101							
Road District	1.1	1000	and successful to an internet of		100.00	0.002	2000			
5/3/2018	72969	1330	OUTHERY THOMAS		13.66	0.75	\$11.54			
7/26/3916	72134	1530	GUTHERY THOMAS		15,96	0.77	\$12.06			
1060016	721,08	1013	TRUCK-HERBICIDE-2000		39.52	0.77		\$30.44		
8/24/2016	72363	1198	TALTON STEVEN W		18.22	0.87	\$12.21			
8/24/2016	72163	0814	PICKUP		18.07	0.87		\$12.11		
8/24/2016	72163	1130	GUTHERY THOMAS		15.66	6.67	\$10.90			
Road Id - 0035	H3+ MOU	NTAIN)	RIDGE ROAD							
Activity 3d 400	I. Berbició	Trister	and the second se							
Road District	Del Contra									
3/16/2016	73580	1198	TALTON STEVEN W		18.22	0.83	\$13.13			
5/16/2016	72080	0814	PECKEP	1	19.23	0.83		\$15.95		
3/16/2016	72080	1150	GUTHERY THOMAS	1	15,66	0.85	\$13.00			
6/36/2016	72123	1198	TALTON STEVEN W	1.	18.22	6.50	\$12.76			
6/30/2016	72123	1012	TRUCK-HERBICIDE	1.5	42.01	6.70		529.41		
8/18/2016	72158	1198	TALTON STEVEN W	1	18.22	0.55	\$9.11			
\$18,0016	72158	0854	PICKUP	1	18.07	6.50		58.04		
8/18/2016	72538	1130	OUTHERY THOMAS	1	15.66	0.50	\$7.83			
\$113,0016	72185	1198	TALTON STEVEN W	2	26.45	1.00	\$26.45			
9/13/2016	72185	1012	TRUCK-SERBICIDE	1	39.52	1.00	0.0048	\$39.52		
Band Id - 0020	ale MOU	NTAINT	VIEW DRIVE		1000	1.575				
Activity 14, 401	Herbick	Tenter								
Read District	-1									
6/16/2016	221.04	1108	TAL TIME STEWEN W		18.22	0.58	\$10.77			
6/16/2014	72105	1017	TRUCK JERROODE	1.0	42.01	6.18	919.37	\$74.17		
Boad 14 - 0070	ALC: NOT	NUMBER	VIEW DRIVE		42,01	6.78				
Autoria Al alla	Buchlers	- Transie	TILT DOLT.							
Activity is 40	i normoni	C a recaisant	-							
Allowed Destruct	The second second		TAU TODO UTRANSI IN							
3/16/2016	12080	11/10	TAUTOR STENDOR		10.22	0.00	\$13.3.3	810.00		
3/36/2010	7,2080	0824	PROBATION		19.21	0.83		\$13.99		
5/16/2016	12080	1530	OUTHERY THOMAS		85,00	0.63	\$13.00			
Hoad 1d - 0920	AS-C MOU	ALAIN	IOBO HOAD							
Activity 58 481	E Herbicali	r Tresfine								
Read District	-3	1000	Contract of the second second	273	1-02250	190235	010072			
6/30/2015	72108	1198	TALTON STEVEN W		18.22	0.75	\$13.85	2000020		
6/30/2016	72108	1012	TRUCK-HERBICIDE	1	42.01	0.25	100 M	\$31.93		
8/16/2016	721.56	1198	TALTON STEVEN W	- C	18.22	0.67	512.21			
8/16/2016	72156	0814	PERCEP		18.07	0.67		\$12.11		
8/16/2016	22156	4530	OUTHERY THOMAS	· · ·	15.66	6.67	\$10.50			
9/36/2016	72195	31298	TALTON STEVEN W	E	18.22	0.66	\$12.40			
9/36/2016	72195	1012	TRUCK-HERBOTIDE	1.0	39,52	0.66		\$76.09		
Road 1d - 6020	60-; ML I	PISGAIL	RD							
Activity M 481	Berbicki	Treatme	and the second se							
Read District	-2									
6/8/2016	72098	1530	GUTHERY THOMAS	1	15.66	6.71	511.12			
6/8/2016	72098	1013	TRACK-BERRETOE-3900	1	42.01	0.71		\$29.83		
M35/0016	72160	1798	TALTON STEVEN W		18.72	0.55	\$10.03			
8/31/2026	72169	0834	PICKUP	1	18.07	0.55		\$9.94		
8/31/2016	72109	1530	OUTHERY THOMAS	1.1	15.66	0.55	58.62			
\$FT3.0044	72180	1130	CETTHERY TROMAS		11.66	6.99	\$9.34			
503,0004	72181	1013	THUCK - DEPENDENCE - 1990		30.57	0.99	21.04	\$21.12		
Read Id - DOW	SI- MT	TEASA	NTROAD	1.11	14.000					
Activity 54 cm	I. Beckield	Trent								
Read Blancing										
CILCUM .	mante	1000	TALEDON STEADURE	100	10.00	0.00	992.14			
1010000	10076	0014	NAME AND ADDRESS OF TAXABLE		10.00	0.50				
and succession.	100.00	-	TRANSF	1.1	19.21	0.04		30.00		

Date	0714	N	Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Cost
Project Id -28-818	-INTERDOC	IDE PRO	KRAM.							
Read Id - 0020	514 MT.1	PLEASA	NTROAD							
Activity \$4.400	i Herbicid	e Treatm	end							
Road District	-1				10000	12224	2000			
511/3016	72976	1100	GUTHERY THOMAS		15.66	6.50	\$7.83			
6/31/3016	72399	1198	TALFON STEVEN W		18.22	0.55	\$10.00			
6/21/2016	72109	1012	TRUCK-HERBERGE		42,03	9.55		\$23.11		
8/10/2016	72151	1198	TALTON STEVEN W	1.5	18.22	0.06	\$12.09			
8/10/2016	72150	0854	PICKUP		18.07	0.05		\$11.90		
8/10/2016	72151	1130	GUTHERY THOMAS		15.66	0.66	\$10.34			
9252016	72997	1198	TALTON STEVEN W		18.22	0.55	\$10.09			
928/3016	72197	1012	TRUCK-HERBERS		39.52	8.55		\$21.74		
Hoad Id - 0030	SZ4 MILL	ZION RI								
Activity 1d 401	Berbició	Treater	cwt							
Road District	-4	Sec. 2	and the second second second	100	100.00	10.22	100.00			
1/19/2016	73103	1100	OUTRERY TROMAS	1.1	13.00		30.99	1010.000		
219/2016	721.32	1913	TRUCK-HEIRIGCIDE-2000	1.5		0.08		312.54		
Head 10 - 0030	554 5100	STARS	was.							
Accessly \$4,400	Herbick	c Treasure								
Road District	-1		The second second second second second							
8/30/3014	72368	1198	TALIUN STEVEN W		18.22	0.71	\$12.94			
8/30/2016	771.68	0824	PROBATIVE AND ADDRESS AND		10.07	0.71	alars into	\$12.00		
8092016	72346	1339	GUTHERT THOMAS		13,09	0.75	811.12			
Hoad Id - 0020	Dec MUR	DOLAS	ne.							
Activity as any	mernacus	a pression								
Kond Destract		a size	TAX WERE STREAMED IN	2.0	10.77	6.45	400.00			
6/20/2019	20110	1000	TREFOR STEVEN W	- 22	47.04	4.55	- 205.11	1211.04		
10000000		1100	TALENDARY CONTRACTOR		18.45	8.86	\$12.03	341.01		
0/26/2016	72166	1007	THE PURCHASE AND THE PURCHASE		30.43	0.04	314.50	\$76.00		
Band Id - 0030	OL: NICH	DOCK I	Internet and a second	1 (C)	39.54	0.000		ALC: NO		
Automa M. all	Barblah	Version of								
Read Material	1 HOLTHACHE									
ACTIVITY .	224921	1100	TAUTON STEVEN W		18.22	1.00	\$18.72			
4/2/2026	10007	1012	TRUES - MERICICAL		42.01	1.00		\$43.04		
9/14/2015	221843	1198	YALTON STEVEN W		18.22	0.77	\$14.07			
9/14/2015	72182	1012	TRACK-DERIFCTION	1.1	38.57	6.77	20102	\$30.44		
Read Id - 0020	St. MER	PURES	ROAD							
Activity 54 401	Berbick	Treates	test (
Road District	-1									
6/22/2016	72110	1198	TALTON STEVEN W	122	18.22	0.96	\$16.59			
6/22/2016	72110	1012	TRUCK-HERBERDE	1.1	42.51	6.91		\$18.23		
8/15/2016	721153	1198	TALTON STEVEN W	100	18.22	0.77	\$54.00			
\$15/3016	72155	0854	PICKUP	1.1	18.07	6.77	10.00	513.92		
8/15/2016	72155	1530	OUTHERY THOMAS	1.1	15.66	0.77	\$12.06			
9212016	72189	1198	TALTON STEVEN W	10	18.22	0.65	\$12.03			
9210016	72189	1002	TRUCK-HEROCIDE	1.1	39.52	0.65		\$26.09		
Road Id - 0030	674 MER	PHREE	VALLEY ROAD							
Activity Id 401	Herbicid	Treates	test							
Road District	-4									
5/12/3014	72076	1198	TALTON STEVEN W	1.1	18.22	0.50	\$9.11			
5/11/2016	72076	0804	PERUP	1.5	19.21	0.58		\$9.41		
5/11/3016	72076	1130	GUTHERY THOMAS	1.1	15.66	0.50	\$7.83			
Road Id - 0020	594 MTR	ICK LA	NE							
Activity M 401	Berbició	Trantos	ced							
Read District	-2		200-03-0409-0404-0404							
6232016	72114	1100	GUTHERY THOMAS	1 C	15.66	0.59	\$9.24			
6270916	72114	1013	TRUCK-HERBICIDE-2005	8	42.01	0.99		\$24.79		
9/36/3916	72198	1550	GUTHERY THOMAS	10	15.66	0.36	\$5.64			

Report Date: 05/15/2017 Report Id: Repro012.rpt

Etowah County Road Department Job Cest Selective Report from 4/1/2016 to 3/31/2017

Date	DJ M	. M	Description	Rate M	Rate	Units	Eng Cost	Equ Cost	Mat Cest	Case Case
Project M -28-018-	MEMO	IDE PRO	GRAM							
Road 1d - 00205	94 MYR	ICK LA	NE							
Activity Id 401	Herbicide	Trusing	(mit)							
Read District	-7									
926/2016	72195	1013	TRUCK-PERIMITE-2000	1.1	39.52	0.56		\$14.23		
Road 1.d - 00200	Sc NAVI	LORDR								
Activity Id. 401	Barbicida	Trasing	risk!							
Read District	-3									
6/13/2016	72103	1198	TAUTON STEVEN W	L	18.22	0.55	\$10.93			
6/13/2016	72142	1012	TRUCK-SERBICIDE	1.5	42.01	0.55		\$23.11		
9/15/2016	72583	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
9/15/2016	72180	1012	TRUCK-RERINCIDE	F	.39.52	1.50		\$19.28		
Road 1d - 00201	164 NEW	BOME	ROAD							
Activity M 401	Herbicide	Treatine 1	cat							
Read District	-4					111.14	1000			
6/27/2016	73114	1198	TALTON STEVEN W		18.22	1:00	\$18.22			
6/27/2016	72114	1013	TRUCK-HERBOLDE		42.03	1.00	1.000	\$42.01		
8/23/2016	72962	1196	TALTON STEVEN W		18.22	0.52	39.43			
8/23/2016	72162	0834	PICKUP		18.07	0.52		28.40		
8/23/2016	72962	1330	OUTHERY THOMAS		15.66	0.52	\$8.15			
9/19/2016	72187	1198	TALFON STEVEN W		18.22	0.71	\$12.94			
9/19/2016	72187	1013	TROCK-HERIOCIDE		39.52	9.71		PUR De		
Hoad Id - 00207	774 NEW	HOLEB	60 AD							
Activity Id 401	Berbicide	Treatme	ter!							
Read District	· .	1.46		100	10.00					
4/4/2016	72946	1320	OUTBERY TROMAS		63.60	0.77	\$12.09	810.00		
4/6/2005	72946	1013	TRUCK-HERBICHE-2000		42.01	0.27	A	332.35		
10102016	722.94	1130	OCTIVERY TROMAS		65.00	0.99	214.19	2444.041		
7(25/2018	121.34	100	TRUCK &		39.52	1.00	615.66	810.01		
108/2016	72340	1100	GUTTERY THOMAS		13,00	1.00	\$15.00			
1383016	20144	1198	TALION STRATEN W	- 22	18.02	1.00	Bid and	818.07		
10000010	72140	1100	TAN NAME OF TANKING AN		18.97	4.99	\$14.03	318.07		
6/24/2010	72394	0014	ENGLISH STEVEN W		18.07	4.77	414.00	\$12.00		
825/0016	12104	1100	CONTRACTOR V TINOMANS		15.46	6.77	\$12.06			
Band Ld - 00202	NAME OF TAXABLE PARTY.	WHICH	ME BOAD							
Autom M and	Buchlah	Trantas	and a second							
Read District										
4/20/2016	721.04	1198	TALTON STEVEN W	1.1	18.22	0.75	\$13.85			
6/36/3016	22408	1017	TRUCK ARRINGING	12	47.01	0.26		\$51.90		
\$/16/3016	32151	1198	TALTON STEVEN W	1.1	18.22	0.66	\$12.03			
8/10/2016	23144	0814	PICKUP	100	18.07	0.66		\$11.95		
8/10/2016	72151	1130	GRITHERY THOMAS	10	15.66	0.66	\$10.34	0.001000000		
Road Id - 00200	U- NO	OLS RO	MD	2.1			10000			
Activity 1d 401	Berbield	Treatme	tend							
Road District	-4		Control of the second second							
5162016	72980	1198	TALTON STEVEN W	1.5	18.22	0.83	\$15.13			
5/16/2916	72080	0814	PICKLIP	1	19.21	0.83		315.95		
5/16/2016	72080	1530	GUTHERY THOMAS	8	15.66	0.83	\$13.00			
6/24/2016	32112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/24/2816	72912	1012	TRUCK-HERBICIDE	1.2	42.01	0.50		\$21.01		
8/22/2016	72161	1158	TALTON STEVEN W	E	18.22	1.00	\$18.23			
8/23/2816	72161	0814	PICICUP	1	18.07	1.00		\$18.07		
8/22/2016	72161	1530	GUTHERY TROMAS	1	15.66	1.00	\$15.66			
Read Id - 00208	Be NICO	ALC RO.	AD							
Activity Id. 401	Herbicid	Treatme	(a)							
Read District	-4									
9/19/2016	72187	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9192016	72187	1012	TRUCK-HERBICIDE	1	39.52	0.79		\$28.06		

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ETOWAH COUNTY - DOCUMENT SET 5-6

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Butt	DAM	N	Description	Nate 16	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Can Cast
Project 54 -28-818-	HERIOC	IDE PRO	GRAM	200000		100				
Road Ld - 00268	64 NOB	LE HULL	ROAD							
Activity M 401	Herbicid	Treatm	cal							
Road District	-1									
6/10/2016	73500	1198	TALTON STEVEN W	1	26,45	0.53	\$14.02			
6/10/2016	72100	1012	TRUCK-HERBICIDE		42.01	0.53		\$12.27		
9/8/2016	72977	1198	TALTON STEVEN W	1.5	18.22	0.50	58.11			
9/8/2015	72177	1012	TRUCK-HERIOCIDE	E	39.52	0.50		\$19.76		
Road Id = 00209	174 NOB	LEROA	D .							
Activity M 401	Herbicide	Treates	ter.							
Read District	-3									
67/2016	73097	1198	TALFON STEVEN W	1	18.22	1.00	\$18.22			
6/7/2016	72097	1012	TRUCK-HERBICIDE	E	-42.01	1.00		\$42.01		
9/12/2016	72180	1198	TALTON STEVEN W	E	18.22	6.71	\$12.94			
9/12/2016	72180	1013	TRUCK-HERBOUDE	E	39.52	0.71		\$28.86		
9/15/2016	721183	1198	TALTON STEVEN W		18.22	1.50	\$27.33			
9/15/2016	72180	1012	TRUCK-HEILBICIDE	E	39.52	1.59		\$19.24		
Road Id - 00391	10-; NOO	JIN DRI	VE							
Activity Id. 400	Berbicide	e Treation	card .							
Road District	-3									
6/23/3016	72111	1198	TALTON STEVEN W	1. S	18.22	0.50	\$9.11			
6/23/2016	72111	1012	TRUCK-HERBICIDE	E	42.01	6.50		\$21.01		
9/26/2016	72195	1198	TALTON STRVEN W	1.5	18.72	0.66	\$12.49			
9362016	72195	1012	TRUCK-HERBICIDE	1	39.52	8.66		\$26.09		
Road 1d - 00201	ID: NOR	MAN DR	UVE							
Activity 54 -401	Herbició	Treatme	two							
Road District	-a									
4/25/2016	73963	1198	TALFON STEVEN W	1	18.22	0.45	\$8.20			
4/25/2016	72962	1012	TRUCK-HERRODE	1	42.01	8.45		\$18.91		
6/30/2016	72123	11198	TALTON STEVEN W	1.5	18.22	8.70	\$12.25			
6/30/2016	72133	1012	TRUCK-HERRICIDE	1.1	42.01	0.70		\$29.41		
Road Id + 60205	95+ NOR	TH OAK	ROAD							
Activity Id 401	Herbicide	Treates	test (
Read District	-2									
6/1/2006	72092	1330	OUTHERY THOMAS	1	15.66	8.29	\$4.55			
6/1/2016	T2092	1015	TRUCK-HERBICIDE-2000	E	42.01	0.29		\$12.19		
9/23/2016	72190	11330	GUTHERY THOMAS	1	22.81	0.45	\$10.27			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2900		39.52	0.45		\$17.79		
Road 1d + 00301	No: NOR	THESHOP	REDIR							
Activity M 400	Berbicid	Treatme	two large							
Read District	-5									
6/1/2016	73990	1100	GUTHERY THOMAS	100	15.66	0.29	\$4.55			
6/1/2006	72092	1013	TRUCK-HERBICEDE-2000	10 C	42.01	6.29		\$12.19		
921/2016	72189	1550	OUTHERY THOMAS	1.1	15.66	6.77	\$12.06			
9/21/2016	72189	1013	TRUCK-HERBICIDE-2000		39.52	0.77		\$30.44		
Road 1d - 00201	17- NOR	TON HO	MESTEAD ROAD							
Activity Id. 401	Herbicid	. Treatme	1							
Road District	-1									
6/17/2016	72100	1198	TALTON STEVEN W	2	28.45	0.38	\$10.66			
6/17/2016	72106	1012	TRUCK-HERBCIDE		42.01	6.38		\$15.97		
Road Id - 00210	H- OAK	DRIVE								
Activity 53 400	Rierbick	Treates	ent							
Road District	-3									
5/10/2014	73979	1198	TALTON STEVEN W	15	18.22	1.50	\$27.30			
5/10/2016	72075	0814	PICKUP	10	19.21	1.50		\$28.82		
1/10/2016	73975	1100	GUTHERY THOMAS	1	15.66	1.50	\$23.49	1 2000 Com		
\$2/2016	72044	1188	TALTON STEVEN W	10	18.22	0.58	59.11			
8/2/2016	72144	0834	PICKUP	1.1	18.07	0.55	1772	\$9.04		
8/2/2016	73244	1530	GUTHERY TROMAS	1.2	15.66	0.98	\$7.61	100-14		

									0.000000000	0.000000
Date	80.10	M :	Description	Bate 14	Rate	Units	Emp Cast	Equ Cost	Mar Cost	Con Cor
Project ld -28-818 Road fd - 9020	HEREIGHT	IDE PRO GROVE	GRAM ROAD							
Activity 1d 401	Berbicid	Treatm	test .							
Road District	-8									
6/16/3816	72180	1118	TALTON STEVEN W	2	26.45	0.55	\$14.02			
6/16/2016	72100	8002	TRUCK-HERBICIDE	1.1	42.01	0.53		\$22.27		
9/8/2016	22177	1198	TALTON STEVEN W	1.1	18.22	1.00	\$18.22			
9/8/2018	72177	1017	TRUCK-HERBICENE	1	39.52	1.00	- 5762001	\$39.52		
Road Ed - 0021	12-1 OAK	ES ROA	D		00000	11222		1590330		
Activity 14 401	Herbield	Trantin	tent (
Road District			Server reasons							
6/21/2016	72109	1198	TALTON STEVEN W	1.1	18.72	0.55	\$10.03			
6/21/2016	22109	1002	TRUCK-HERBICIDE	20	42.01	8.55	1000	\$23.11		
8/10/2016	223.51	1118	TALTON STEVEN W	1.0	18.22	0.66	\$12.03	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		
8/10/1516	2214.4	1414	PERCE		18.07	0.44		\$11.95		
\$10,0010	91443	1-530	COTTOERY THE BLAS	- 22	11.66	0.65	\$10.14			
8/16/2016	72.004	1100	TAL NUMBER OF TAXABLE	- 20	18.57	0.00	617.00			
909/0010	21100	1007	THE PUSY STEVEN W	- 20	20.07		914.545	1226.000		
Bond Ld . 6011	Dia dia ki	LAND D	TRUCK & TRUCK AND		36.54			Picture.		
Paral Id - Mill	the training	LAND D	and the							
Activity to 400	Elertecid	e Tresme								
Road Destroyt	and the second	1.114	The state of the s		10.00		P10.00			
4/20/2016	73859	1198	TALION STEVEN W	100	10.22	0.35	510.00			
4/29/2016	72939	1012	TRUCK-HERBICIDE		42.03	0.35		2011		
Road Id - 0011	15-: 01.0	BAKER	GAP ROAD							
Activity 34 400	Berbicid	r Treatme	ewl .							
Read District	-1	11.1.1	Sanaamaa aa a	2.15	1.202	10.00	1000			
6/23/2916	221111	1198	TALFON STEVEN W		18.22	0.50	39.11	10000000000		
6/23/2016	72111	1012	TROCK-HERINCENE		42.01	8.50		201101		
8/17/2016	72157	1198	TALDON STEVEN W		18.22	6.77	514.00	and the second second second		
8/17/2016	72197	0814	PICKUP	- C.	18.07	8.77		\$13.92		
\$123916	72357	1150	GUTHERY THOMAS		15.66	0.77	\$12.06			
9/26/2016	73399	1198	TALFON STEVEN W		18.22	0.66	\$12.00			
9/26/2916	72195	1012	TRUCK-HERBICIDE		39.52	0.66		\$36.09		
Road Id - 0011	17: OLD	CAMP I	ROAD							
Activity 54, 401	1 Herbicid	e Treanse	tan t							
Road District	-1									
4/25/2016	72960	\$1536	GUTHERY THOMAS	8.2	15.66	0.66	\$10.34			
4/21/2016	72068	1013	TRUCK-HEUROCIDE-2000	8 C	42.01	0.65		\$27.73		
1/28/2016	72140	1198	TALTON STEVEN W	1.5	18.22	1.00	\$18.32			
1/26/2016	72148	0824	PICKUP	1.0	18.07	1.09		\$18.07		
7/28/3016	72340	1130	GUTHERY THOMAS	1.0	15.66	1.00	\$15.66			
9/1/2016	72171	1198	TALFON STEVEN W	1.1	18.22	0.43	57.84			
9/2/2018	72171	0824	PICKUP	102	88.07	0.43		\$7.38		
97/2016	72171	±130	GUTHERY THOMAS	1.5	15.66	0.43	56.74			
9/15/2916	72183	1530	GUTHERY THOMAS	8 C	15.66	0.50	\$7.83			
9150916	72.940	1013	TRUCK-HERBICEDE-2000	8	39.52	0.50		\$19.76		
Road Id - 0021	19-; OLD	GADED	EN-CENTRE HWY							
Activity 1d 401	Herbicid	Treatm	test .							
Read District	-7		3							
6240816	22212	1130	GUTHERY THOMAS	2	22.81	0.52	\$11.87			
6/24/2016	22113	Ref. B	TRUCK - HERING THE		42.04	6.12		\$21.85		
9/22/2014	77794	1150	OUTHERY THUMAS	10	15.46	6.43	55.74			
9/27/2014	73104	HOUT.	TRUCK-HERBICTOR, 2000	1.5	39.52	0.43		\$17.00		
Band Ld . 0010	MAL DR P	CALLA	NT ROAD		377,004	0.52				
Activity 14, 141	Berbinin .	Territor								
Read Provide	- minutesia	. Internet								
South States	and a	1.100	TALLY N STRUCTURE IN		18.75	0.55	80.13			
015 L.(0110)	22020	1000	DOWNER AND THE REAL PROPERTY OF		10.04	0.00	40.14	89.44		
4223 (2010)	12919	1450	CONTRACTOR OF TRACTOR OF T	2.5	10.04	0.00		10,001		
2110310	10110	1200	OUTBERT TRUNKS		12,90	9.54	81.01			

Date DJ 14 ы Dyscription Rate 14 Rate Units Emp Cost Lau Cost Mat Cost Cost Cost Project M -38-818-14REBERIDE PROGRAM Road Id > 002122+: OLD HICKORY ROAD Activity M 401 Herbicide Treatment Read District -2 7070916 TALTON STEVEN W ı. 18.22 6.71 \$12.94 72139 1158 7272846 72139 1012 TRUCK-HERBICIDE E. 39.52 6.71 \$28.04 Boad Id - 002125+: OLD MINK FARM ROAD Activity 1d 401 Herbickle Treatment Road District -3 TALTON STEVEN W 18.22 510.83 6210916 52189 1198 к 8.55 \$23.11 6/21/0016 72109 1612 TRUCK-HERBICIDE 1 42,01 0.55 8/16/2016 72156 1198 TALTON STEVEN W 1 18.22 6.67 \$12.21 \$160916 72156 0814 1 18.07 6.67 \$12.11 PICKUP 15.66 2.67 \$10.50 816/2016 72156 1350 **GUTHERY THOMAS** t, 928/2016 72:07 1198 TALTON STEVEN W 1 18.22 0.55 \$10.03 39.52 6.55 \$21.74 928/2016 721401 1012 TRUCK-HERBICIDE н Road Id - 002128: OLD SHEFFIELD GAP ROAD Activity M 401 Herbicide Treatment Road District -3 4/18/3016 73857 1198 TALTON STEVEN W 10 18.22 6.52 \$9.48 4/18/2016 72057 1012 s. 42,91 0.52 \$21.85 TRUCK-HERBICIDE 6/17/0916 721086 1198 TALTON STILVEN W 2 25.43 0.38 \$10.06 6/13/0016 72106 1012 TRUCK-HERBICIDE 1 42.01 8.34 \$15.97 . 18.22 0.45 \$3.20 9/27/2014 72194 1198 TALTON STEVEN W 39.52 9232016 72156 1012 TRUCK--HERIBORDE В. 8.45 \$17.79 Road Id - 002129-: OLD SEBERT MILL ROAD Activity M 400 Berbicide Treatment Road District - I. 4/20/2016 73059 1130 GUTHERY THOMAS II. 15.66 6.58 \$5.09 4/20/3016 72558 1013 TRUCK-HERBICIDE-2000 ×. 42.01 0.58 \$24.37 t 15.66 8.77 \$12.06 106/0016 721038 1130 GUTHERY THOMAS s. 106/0914 72138 1013 TRUCK-HERDICIDE-2000 39.52 6.77 \$30.44 Road Id - 002130-: OLD STYLES ROAD Activity M 401 Herbicide Treatment Read District -2 \$10.34 1118/2016 77153 1530 OUTHERY THOMAS t 25.66 0.66 39.52 \$24.09 1/18/2014 72134 1013 TRUCK-HERBICIDE-2900 K. 0.86 ŧ. 8.50 \$7.83 72183 1150 GUTHERY THOMAS 15.66 9/15/2016 TRUCK-HERBICIDE-2000 Ľ 39.52 6.50 \$19.76 5/15/2016 72183 HHA Read Id + 002132+: OLDFIELD BOAD Activity M 400 Berbicide Treatment Road District -4 6/27/2016 72114 1798 TALTON STEVEN W T. 18.22 1.00 \$18.22 42.01 1.00 6/23/2016 72114 1012 TRUCK-HERDSCIDE H. \$42.00 x. 72163 1198 TALTON STEVEN W 18.22 6.52 55.48 \$03,0016 8/23/2016 72162 0834 PICKUP 1 18.07 0.52 \$9.48 8/23/2016 72142 1550 OUTHERY THOMAS 1 15.66 0.52 \$8.15 72187 1198 TALTON STEVEN W I 18.22 6.71 \$12.94 9/19/2016 \$28.06 72187 1012 TRUCK-HERBICIDE R. 39.52 0.71 \$119/3014 Road Id - 002133+ OLD FORD VALLEY ROAD Activity M 401 Herbicide Treatment Road District -1 15.66 4/4/2016 72048 1120 GUTHERY THOMAS I. 6.77\$12.66 42.01 6.77\$32.33 4/6/2015 72046 1003 TRUCK-HERDICIDE-2000 ż 72068 TALTON STEVEN W 15.22 0.36 50/2016 1198 1 \$13.85 72069 × 19.21 \$ 26 \$14.68 5/3/2014 0814 PICKUP 5/5/2016 72568 1530 **GUTHERY THOMAS** R. 15.66 0.76 \$11.91 15.66 10.10016 72134 1:130 **GUTHERY THOMAS** 1 0.96 \$14.10 TRUCK-HERBICIDE-2000 \$35.57 101/0014 1. 39,52 0.90 72134 1013

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Project M - 28-018 IMERIDICIDE PROGRAM		
Band Ed., 0079334, OLD HORD VALLEY BOAD		
How to a state to the state to the		
Activity Id 401 Herbicide Treatment		
Road District -1		
8/25/0916 12164 1198 TALTON STEVEN W I 18.22	0.37 \$14.09	
\$252916 72164 0814 PICKUP I 18/07	0.77	313.92
825/2016 72164 1530 GUTHERY THOMAS I 15.66	0.77 \$12.06	
Road Id = 002134+ OLIVER DRIVE		
Activity 14 401 Herbichle Treatment		
Road District -2		
4/18/2016 72057 1130 GUTHERY THOMAS 1 15.66	0.41 \$6.43	
4/18/2016 72957 1013 TRUCK-HERBICIDE-2000 1 42.01	0.41	\$17.23
6/26/2916 72112 1538 GUTHERY THOMAS 2 22.81	6.52 \$11.87	1.000
6/24/2016 72112 18(3) TRUCK-HERBICIDE-2000 1 42.01	6.52	\$21.85
9/13/2016 72181 1530 GUTHERY THOMAS I 15.66	0.59 \$9.24	
9/13/2016 72181 1013 TRUCK-HEIRBICHDE-2000 1 39:52	6.99	\$23.32
Road Id - 902129 CTWAY ROAD		
Activity Id 403 Herbicide Treatment		
Road District -3		
6/15/2016 72204 1198 TALTON STEVEN W I 18.22	0.43 \$7.84	
6/15/2016 72104 1012 TRUCK-HERBICIDE 1 42.01	0.43	\$18.07
9/23/2016 72/91 1198 TALTON STEVEN W 2 26.45	0.55 \$14,82	
9/23/2016 72190 1012 TRUCK-HERDOCHDE 1 39.52	0.55	\$22.14
Read Id + 002140+ OTWELL BOAD		
Activity Id. 401. Herbicide Treatment		
Read District -2		
4/21/0916 73060 1150 GUTSERY THOMAS I 15.66	0.65 \$10.34	
4/23/2016 72660 1003 TRUCK-HEDERCIDE-2000 1 42.01	0.65	\$27.73
9/15/2916 72380 E150 GUTHERY THOMAS I 15.66	6.50 \$7.83	
9/15/2016 72180 H013 TRUCK-HERBICRDE-2000 I 39.52	0.59	519.76
Read Id + 902143+ OVERLOOK ROAD		
Activity 3d 400 Herbicide Teratment		
Read District -3		
6/23/2016 72211 1198 TALTON STEVEN W 1 18.22	0.50 59.11	
6/23/2016 72111 1012 TRUCK-HERBICIDE 1 42.01	0.59	\$21.01
9/21/2016 72189 F198 TALTON STEVEN W I 18.22	0.66 \$12.03	
9/21/2918 72189 H02 TRUCK-HERBICIDE 1 39.52 1	0.96	\$26.09
Road Ed 902145 : OWIENS DRUVE		
Activity 3d 4001 Herbicide Treatment		
Road District -1		
4/18/2016 72957 1120 GUTHERY THOMAS I 15.66 /	0.41 \$6.43	
4/18/2016 72017 1013 TRUCK-HERBICIDE-2000 1 42.01	0.41	\$17.23
6/24/2016 72112 1130 GUTHERY THOMAS 2 22,81	0.52 \$11.87	
6/24/2016 72112 1013 TRUCK-HEDURICEDE-2000 1 42.04	0.52	\$21.85
9/13/0916 72181 1500 GUTHERY TIKIMAS I 15.66	0.59 59.24	
9/13/2016 72181 1013 TEUCK-HERROCEDE-2000 1 39.52	0.59	\$23.32
Road Ld + 902147+; OWENS BOAD		
Activity M 401 Herbicide Treatment		
Read District -3		
5/31/2016 7209/I 1198 TALTON STEVEN W I 18.22	1.00 \$18.22	
5/31/2016 72990 0804 PICKUP 1 19:21	1.09	\$19.21
5/31/2016 72090 9912 HERBICEDE-BOUNDUP(GLY GALLON 14.49	1.00	\$14.49
50312016 72091 0011 SAIDARA EACH 0.00	2.00	\$0.99
5/31/2016 72991 HS0 GUTHEDRY THOMAS I 15:66	1.00 \$15.66	
4/13/2016 72102 F198 TALFON STEVEN W I 18.22	0.95 \$10.03	
6/13/2016 72102 1012 TRUCK-HERBICIDE 1 42.01	0.55	\$23.18
1202016 72133 1198 TALTON STEVEN W 1 18.22	1.39 \$27.33	
10000016 72130 0804 PICKUP I II.07	1.50	\$27.11
1/20/2016 72133 0001 Assessib-I gallon EACH 0.00	1.00	\$0.00

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								10122204	0.000.000	0.2010-00
Date	01.01	H	Description	Rate M	Reit	Cuits	Emp Cost	Equ Cost.	Mat Cost	Cea Cest
Project Id -28-818- Road Id - 00214	INCRESS (74 OWE	IDE PRO PS ROA	GRAM D							
Activity M. 401	Herbicid	e Treatme	call .							
Road District	-1									
7/26/3016	72133	2000	WATER.	GAL	0.00	60.00			\$0.00	
T(26/3016	72139	1530	OUTRERY THOMAS		15.66	1.50	\$23.49			
9/2/2016	72172	1198	TALTON STEVEN W	1	18.22	8.71	\$12.94			
9/2/2016	72172	0814	PICKUP	E	18.07	0.71		\$12.83		
9/2/2016	72172	1130	GUTHERY TIROMAS	2	22.81	0.71	\$16.20			
9/22/2016	72190	1298	TALTON STEVEN W	1	18.22	0.55	\$18.03			
902/0916	72190	1012	TRUCK-HERISCIDE	1	39.52	0.55		\$21.74		
Road Id - 00214	0%1 OW1	5100LL	OW BOAD							
Activity 1d 401	Berbield	Treatme	and the second se							
Read District	-1									
4/21/2016	22068	1130	CETTHERY THOMAS		15.66	0.66	\$18.34			
4/71/2016	72060	1013	TRUE		42.01	0.66		\$27.75		
4/2/2018	23503	1150	CETTIERY TIRALAS		15.66	3.00	\$34.52			
4/2/2014	99660	1043	THE R. L. LEWIS CO., MICH.		42.03	1.00	401.00	1044-000		
CO-DALK.	10000	100.0	NATES AND ADDRESS OF ADDRESS	mar	0.00	3 000 00			51.00	
670,00010	7,009.0	2004	AND DESCRIPTION OF A DATE	CONTRACTOR -	21.46	15.50			4331 (4)	
9/2/2019	12099	0010	TERRETE OF THE ACT	CALLON	21.90	10.00			\$121.00	
6/2/2016	12090	0916	HERBELDE-CRUCH 4L	CALLON .	18.00	32.00			5279.00	
6/2/2016	12099	01028	HERHOLDE-GROUND ZERO	PINT	8.75	2.00			317.42	
6/2/2016	72095	6603	HERBICIDE-FORM BUSTER	QT	11,20	9.25			32.00	
6/24/2016	72112	1530	OUTHERY THOMAS	2	22.81	9.52	\$11.87	1000		
6/24/2016	72112	1013	TRUCK-PERBRIDE-3000		42.01	0.52	20033	\$21.85		
7/26/2016	72138	1520	OUTHERY THOMAS	E	15.66	0.77	\$12.06	21.22		
106/2016	72138	1013	TRUCK-HERINCIDE-2000	E	39.52	0.77		\$30.44		
9/12/2016	72180	4530	GUTHERY THOMAS	1	15.66	5.00	\$78.30			
\$12/2014	72180	1013	TRUCK-NERBICIDE-2000	E	39.53	5.00		\$197.68		
9/19/2014	72187	1520	GUTHERY THOMAS	1	15.66	8.76	\$11.91			
9/19/2016	72187	1013	TRUCK-HERRICIDE-2000	1	39.52	0.76		\$30.04		
9/19/2016	72187	2000	WATER.	GAL.	0.00	2,000.00			50.00	
979/2016	72187	0121	HERBICIDE-GARLON 3-A	GALLON	32.99	30.00			\$989.70	
9719/2016	72187	0928	HERBICIDE-GROUND ZERO	PINT	8.71	2.00			\$17.42	
9/19/2016	72187	0933	HERBICIDE-FOAM BUSTER	07	5.15	0.25			\$1.29	
Road Id + 00214	S- PATI	THUSON	DRIVE	11.22						
Activity M 401	Herbield	Treatme	and the second se							
Read District	-1									
1/11/0016	72138	1198	TAUTON STEVEN W		18.22	0.71	\$12.64			
1/23/0016	32139	1042	TRUCK-REDUCTOR		39.52	0.71		\$24.04		
Read 1d - 00213	D. PAU	LINEL DA	ROAD							
Activity \$1,400	Barbleid	Trentes								
Read Distance	A STOCKARD	e treasus	(41)							
ACCURATE ACCURATE	and a	1.000	THE PARTY STREET, NO.		100.00	1.6.03	57.84			
613/018	72104	1000	LALINA STRATES IN		47.01	0.45		414.07		
B	12199	1112	TRUCK-PERMICIPE		40.00	1.44		318.07		
Pooled 1d - Veul	TI-C PAU	CA MARK	5 PLD							
Activity 3d 400	15crbmmd	e Treatme								
Road District	-3	1.00			5.222		1000			
6/13/2016	72111	1198	EALDON STEVEN W		18.22	0.50	39.11	122722		
6/33/3016	72111	1012	TOTA-HERBITICE		42.01	6.50		. \$21.91		
Boad Id - 00213	76-CPAY	NE ROAD	D							
Activity M 401	Herbicid	c Treatma	ter l							
Read District	-4									
6/29/2016	72116	1198	TALTON STEVEN W	1. C	18.22	0.59	\$10.75			
6/29/2016	72116	1012	TRUCK-HERORENE	1 C	42.01	0.99		\$24.79		
8/22/2016	72168	1198	TALTON STEVEN W	1.	18.22	1.80	\$18,22			
8/23/2016	72168	0814	PICKUP	1	18.07	1.00		\$18.07		
\$22,2916	72160	1530	OUTHERY THOMAS	1	15.66	1.00	\$15.66			
Road Ld - 00217	T- PEAK	OF TREE	ELANE							
Road Ed - 00215	77- PEA	CH TREE	ELANE							
Dete	DIM		Description	Rate Id	Rete	Units	Emp Cost	Equ Cost	Mat Cost	Con Cost
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Project 8d -28-848	-INCREME:	TOE PRO	GRAM							
Band Id + 0021	774 PEAK	CH TRE	ELANE							
Activity 53 -400	Herbicid	Treatm	ent							
Road District	-3									
6/23/2016	72111	1198	TALTON STEVEN W	B	18.22	0.50	\$95.12			
4/23/2016	72111	1012	TRUCK-HERBICIDE	1.1	42,01	8.50		\$21.04		
Road Ld - 0021	78-: PEAK	CH TREE	EROAD							
Activity 53 400	Berbicks	e Treates	end							
Road District	-3									
6/16/2016	72103	1198	TALTON STEVEN W	1	18.22	0.58	\$16.57			
6/16/2016	72105	1012	TRACK-HERBORN	1 K S	42.01	0.58		\$24.37		
8/2/2016	72544	1198	TALTON STEVEN W	1.5	18.22	8.50	39.21			
8/2/2006	72144	0814	PICKUP	1.0	18.07	0.50		\$9.04		
\$/2/2004	72144	1136	OUTHERY THOMAS	1	15.66	6.50	\$7.83			
Road 1d + 0021	79-; PEAR	RSON RE	DAD							
Activity Id 401	Berbicide	Truine	ent							
Road District	-1									
3/39/2016	72133	1130	GUTHERY THOMAS	1.5	15.66	0.38	\$3.96			
3/29/2016	72132	1013	TRUCK-BEIRBOCIDE-2000	1.1	39.52	6.38		\$15.02		
Road Ld - 00211	80-: PECI	CLANE.	and a second sec							
Activity 52 401	Herbicide	Treatme	ter l							
Read District	-3									
3/22/2016	72139	1198	TALTON STEVEN W	R	38.22	0.71	\$12.94			
127/2016	72139	1012	TRUCK-HERBICIDE	1.1	39.52	0.71		\$28.05		
Read 1d - 00211	85- PERS	HANLA	KE ROAD							
Activity Id 401	Herbicide	Treates	test							
Read District	-4									
4/29/2016	72058	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72058	1012	TRUCK-HERBICIDE	1	42.03	0.52		\$21.85		
9/29/2016	72198	11198	TALTON STEVEN W	1.2	18.22	1.50	\$27,33			
8/29/2016	72198	0824	PICKUP	1.1	18:07	1.50		\$27.11		
\$/29/2016	72198	1130	GUTHERY THOMAS	E	15.66	1.50	\$23,49			
Read 1d - 00213	86-: PERI	RY WOR	INS ROAD							
Activity 54 481	Horbicide	Treatme	and the second se							
Read District	.1									
6716/2016	72100	1198	TALFON STEVEN W	2	26.45	0.53	\$14.02			
6/10/2015	72100	1012	TRUCK-HERBICIES	1	42.03	0.53		\$22.27		
9/12/2016	72180	11108	TALTON STEVEN W	1 C	18.22	0.21	\$12.94			
9/12/2016	72180	1012	TRUCK-REDUNCIDE	E	39.52	6.71		\$28.06		
Road 1d + 00211	IT- PERS	ALL DE	UVE							
Activity Id 401	Herbicida	Treatme	test in the second s							
Read District	-1									
4/20/2016	72059	1:030	GUTHERY THOMAS	100	15,66	0.58	\$9.09			
4/28/2016	72099	1013	TRUCK-HERBICIDE-2000	1.	42.03	0.58		\$24,37		
6/1/2016	72092	1550	OUTHERY THOMAS	1.1	15.66	8.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	R	42.01	0.29		\$12.19		
9/19/2016	92185	1530	OUTHERY THOMAS	1.5	15.66	0.66	\$10.34			
\$779/2015	72187	1013	TRUCK-RERBICIDE-2000	1 C C	39.52	0.66		\$26.09		
Rend 1d - 0821	89-c PILAI	RR CIRC	3.6							
Activity 5d 401	Herbicida	Treatmi	end .							
Read District	.3									
6/17/2016	72106	1.198	TALTON STEVEN W	2	25.43	6.38	\$10.06			
6/17/2016	72106	1012	TRUCK-RERBICIDE	1.1	42.01	0.38		\$15.97		
Read 1d - 00215	96 PHAI	RB BOA	D							
Activity M 401	Herbicide	Treates	int							
Read District	.2									
3/38/2016	72130	1530	OUTHERY TIKIMAS	1 C C	15.66	8.66	\$10.34			
3/18/2015	72131	1013	TROCK-REMINCIDE-2000	1	39.52	0.66		\$26.09		
9/2/2016	72172	1196	TALTON STEVEN W	1.5	18.22	0.71	\$12.94			

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Date	DJ M	м	Description	Rate Id	Rate	Units	Emp Cost	Equ Cost	Mat Cest	Cas Cast
Project bd -28-018	HERIT	IDE PRO	GRAM							
Read Id - 0921	90-: PHAI	RR BOA	D							
Activity Id 481	Berbicid	e Treatma	CAR							
Read District	-2									
9(2)2016	25125	6814	PICKUP	1	18.07	0.71		\$12.83		
9/2/2016	72172	1530	OUTHERY THOMAS	2	22.81	0.73	\$36.20			
915/2016	72183	1530	GUTHERY THOMAS	1	13.68	0.59	\$7.83			
9/15/2016	72183	1013	TRUCK-HERBICIDE-2000	- E.S.	39.12	0.50		\$19.76		
Read 1.0 - 00219	974 PINE	DRIVE								
Activity 5d 481	Horbicid	s Treatme	net .							
Read District	-2		9 M 19 C 19 C 19 C 19 C		1200	62.67	52633			
4/18/2016	72057	1530	OUTHERY THOMAS		13.66	0.41	\$6.43	200230		
4/18/2016	72057	1813	TRUCK-HERBICIDE-2900	1	42.00	0.41		\$17.23		
6/24/2016	72112	1530	GUTHERY THOMAS	3	22.80	0.52	\$31.87	0.0000		
6/24/2016	72112	1013	TRUCK-HERBICIDE-2000		42.01	0.52		\$21.85		
Road 1d - 0021	98-: PINE	ROAD								
Activity 5d 401	Berbicid	e Treafme	nat.							
Rand District	>1				1000	1.00.000	1.000			
4/19/2018	72018	1530	GUTHERY THOMAS		15.66	0.58	18.09			
4/19/2016	72058	1013	TRUCK-HERBICIDE-2000	E	42.09	0.58		\$24.37		
3/22/2016	72135	1530	OUTHERY THOMAS	3	22.88	0.59	\$13.46			
7/22/2016	72135	1013	TRUCK-HERBICIDE-2900	L	39.52	0.59		\$23.32		
\$302015	72168	1198	TALTON STEVEN W	F	18.22	0.71	\$12.94			
8/36/2016	72168	0814	PSCKUP	F	18.07	0.74		\$12.83		
8/30/2016	72168	1530	GUTHERY THOMAS	E	15.66	0.71	\$11.12			
Road 1d - 0922	20 < PHLG	REMS R	EST BOAD							
Activity 5d 401	Berbicid	e Treatma	end							
Read Diverict	-I.									
4/30/2016	72019	1530	GUTHERY THOMAS	1 C	15.66	0.58	\$9.09			
4/30/2016	72099	1013	TRUCK-RERBICIDE-2000	E	42.00	0.58		\$24.37		
7/26/2016	72138	1350	OUTHERY THOMAS	1.0	15.66	0.77	\$12.06			
1062016	72138	1013	TRUCK-REBINCIDE-2000	E	39.52	-0.77		\$30.44		
8/34/2014	72163	1198	TALTON STEVEN W	1 C	18.22	0.67	\$12.21			
8/34/2016	72163	0814	PERKUP	1	18.07	8.67		\$12.11		
8/24/2016	72163	1530	GUTHERY THOMAS	1 C	15.66	0.67	\$10.90			
Road 1d - 0922	24) PINE	GROVE	ROAD							
Activity Id 401	Herbicid	e Treatma	call .							
Read District	-1									
6/8/2005	72098	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.32			
6/8/2004	72096	1013	TRUCK-SERBICIDE-3900	E	42.01	0.71		\$29.83		
9/1/2006	72171	1198	TALTON STEVEN W	1	18.22	1.0	\$7.84			
91/2006	72171	0814	PICKUP	1.	18.07	0.43		\$7.78		
9/1/2016	72170	1530	OUTHERY THOMAS	1.5	15.66	0.43	56.74			
9/14/2015	72182	1550	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
\$/14/2016	72182	1013	TRUCK-HERBICENE-2000	1. S	39.52	0.71		- \$25.09		
Road 1.0 - 0022	26-1 PINE	BAVEN	ROAD							
Activity Id 401	Horbicid	e Treation	cel .							
Road District	-6									
4/30/2016	72039	1198	TALTON STEVEN W	E	18.22	0.55	\$10.03			
4/20/2016	72099	1012	TRUCK-HEILINCENE	E	-42.01	0.55		\$23.11		
Road Id - 0022	39 r PINE	TRAIL.								
Activity 50 400	Herbicid	e Treature	ent i							
Read District	-3									
6/21/2016	72109	1198	TALTON STEVEN W	111	18.22	0.55	\$10.03			
6/21/0014	72109	1012	TROCK-HERITCEDE	1.1	42.01	0.55		\$23.31		
9/28/2036	72197	1198	TALTON STEVEN W	1.5	18.22	0.55	\$10.03			
928/2016	72197	1012	TRUCK-RERBICIDE	1.1	39.52	0.55		\$21.74		
Road Id - 0022	40-1 PINE	VIEW C	IBCLE							
Activity 5d 400	Berbicid	Treatme	ten l							

Report Id: Rppro012.rpi

Date	0/14	M	Description	Rate M	Rett	Units	Emp Cost	Equ Cost	Mat Cost	Con Cas
Project bl -28-018	INTRAC	IDE PRO	GRAM		-10000		- 11 A.			
Read Id - 9022	40+; PENE	VIEW C	BRCLE							
Activity M 401	Herbicide	Treatme	and the second se							
Road District	-4									
4/15/2016	72058	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72058	1012	TROCK-HERBORICIDE	- C	42.01	0.52		\$21.85		
Road Id - 0022	54: PINE	V KNOL	1.							
Activity 3d 400	Berbicoli	Transing	call .							
Road District	-6						A 14 14			
4/20/2016	72059	1198	TALFON STEVEN W		18.22	0.55	\$10.09			
4/36/3916	72099	1012	TROCK-HERIDICIDE		-42.03	0.55		123.11		
Hoad Id - 0032	554 PITT	S DRIVE	6							
Activity Id. 400	Berbicide	Treatme	ter t							
Road District	all in the		and a second descent second second		10.00	1000	A			
8/24/2016	72360	1178	TALION STEVEN W		18.22	0.67	217.21	10000		
8/34/2916	72163	0824	PICKOP		18.00	0.67	with the	312.11		
8/34/3016 Double 06/20	· 74583	1330	OCTIBLET TROMAS	1.0	12.00	0.67	\$10.39			
Road Id - 0012	30-1 FITT	S LASE.	21							
Activity Id 400	Bertscole	C E contrate	(ef							
Road Destruct	The state	1.000	THAT THEN STREAMS IN		10.22	0.53	00.48			
4/18/2016	72933	1000	TALIDO STEVEN W		45.00	0.52	307,40	414.84		
4/18/2016	729077	1104	TAL TON STRUCTURE W		36.45	0.04	110.04			
6170016	99106	1000	TRUCK, SEPONDE		42.00	4.74	310.00	\$15.97		
63333016	72100	1003	TALL STREET STREET, SAL	10	10.00	0.05	44.10	312.51		
912/02/19	20106	1000	THE POST STEADY W		39.47	0.01	56.25	812.24		
Bood Id . DOTS	00.0 PE 814	SANTH	INT. CHEDCH RD	- No.	39.34	0.00		acco.		
Activity 14 and	Buchick	Transferrer	and the second second							
Read Statistics	-h									
1/11/2015	95976	1100	TALEON STEVEN W	1.2	14.72	0.50	100.11			
411.0034	72026	0814	PROVIDE AND THE PROPERTY OF	1.1	00.21	0.50	49.00	1944		
4/10/0014	23026	1130	CETTHERY THOMAS	- 22	15.66	0.50	\$7.81			
4/23/2014	93110	11100	TALTON STEVEN W	- 22	18.22	4.90	\$16.40			
6/73/2016	22130	1012	TRUCK ANDRESS		42.01	8.90		\$17.81		
673/3916	72110	0510	HERBICTOR ASSAULT ARCET	GALLON	21.46	15.00		0,000	\$121.96	
6/12/2016	72130	0916	DERIGTER-DELIKON 41	GALLON	18.00	15.00			\$270.00	
6/23/2014	721.05	0078	HERBICIDE-GROUND ZERO	PINT	8.24	1.00			\$8.71	
6/23/2016	72116	2080	WATER	GAL:	8.00	2,005-00			\$3.00	
8/13/3016	72151	1198	TALTON STEVEN W	1	18.22	8.77	\$14.00			
\$133316	72187	0854	PICKUP	10	18.07	6.77		\$13.92		
\$173016	72157	1150	OUTHERY THOMAS	1.1	11.66	8.77	\$12.06			
Road 1d - 0022	61-1 PLEA	SANTI	IILL ROAD							
Activity 1d. 400	Berbickle	Trantme	tan i							
Road District	-1									
6010016	73960	11500	GUTHERY THOMAS	1.5	15.66	0.00	\$10.34			
4210016	72068	1013	TRUCK-HERBCEDE-2000	1.5	42.01	0.66		\$21.73		
9/15/2916	72183	1539	OUTHERY THOMAS	1	15.66	0.50	\$7.83			
9152016	72185	1013	TRUCK-HERBICEN-2000	1.5	39.52	6.50		\$19.76		
Boad Id - 0022	62+ PLEA	SANT I	HLL ROAD							
Activity M 401	Berbickh	Treatme	test							
Road District	.3									
9210016	72189	1198	TALTON STEVEN W	- E.	18.22	0.65	\$12.03			
9/21/2016	72189	1012	TRUCK-HERBICIDE	1.1	39.52	0.66		\$25.09		
Hoad Id - 0022	63- PLEA	SANTY	ALLEY ROAD							
Activity 14 401	Herbicide	Treatme	ent .							
Road District	-4									
5/9/2016	72974	1198	TALTUN STEVEN W	1. C	18.22	LIL	\$20.23			
5/9/2016	72074	9814	FICKUP	1. S	19.21	1.11		\$21.33		
5/9/2016	72974	1530	GUTHERY THOMAS	10 S	15.66	1.11	\$17.39			

Date

DJ 14

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Description

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Rete

C'aite

Emp Cost

Rate Id

Project M -28-818-100 EREDCIDE PROGRAM Road Ed - 002264 -: PLEMONS ROAD Activity 3d 401 Herbicide Treatment Road District -3 4/18/3916 22057 1198 TALTON STEVEN W II. 18.22 6.52 \$5.48 \$21.85 4/18/2016 72057 1012 TRUCK-HERBICIDE ı 42.01 0.52 61120916 72586 1198 TALTON STEVEN W 2 26.45 6.38 \$10.06 4/13/2016 72106 1012 TRUCK-HERBICEDE li. 42.01 6.38 \$13.97 9212016 22296 1198 TALTON STEVEN W t 11:22 8.45 \$8.30 9/21/2914 72196 1012 TRUCK-HERINCEDE a. 39.52 8.45 \$17.79 Basel Id - 001270-: POLLY DRIVE Activity Id 401 Berbielde Treatment Road District -3 6/15/3016 21104 1198 TALION STEVEN W £. 18.22 643 \$7.84 6/15/2016 72104 1012 TRUCK-HERBERTSE ٤. 42.01 445 \$18.00 Road Ed = 002271-(PONDEROSA ROAD Activity 3d -401 Herbicide Treatment Road District -4 18.22 6.91 \$16.99 106/2014 TALTON STEVEN W 7233# 1198 н E. 39.52 \$35.97 106/2016 72138 1012 TRUCK-HERISCIDE 0.31 \$23/2016 72343 1198 TALTON STEVEN W 8 18.22 6.52 59.48 18.07 6.52 72163 0854 z \$23/2018 PICKUP 15.66 4.32 1355 **GUTHERY THOMAS** t. 38.15 8/23/2016 71562 Bond Id - 0022724 POPE CIRCLE Activity 3d 401 Herbicide Treatment Road District -4 405/0016 TALTON STEVEN W E. 18.22 6.45 \$8,20 73963 11108 6.45 4/25/2016 72062 1012 TRUCK-HERBICIDE ł 42,01 \$18.90 59/2016 LIL \$20.23 72974 1198 TALTON STEVEN W 1 18.22 LIF \$21.33 PICICUP 1 09.21 \$49/2016 72074 0854 ı 15.66 1.11 \$17,39 \$49/2014 73974 1530 OUTHERY THOMAS 18.22 8.70 \$12.76 636/3016 72523 1198 TALTON STEVEN W 1 1012 TRUCK-HERBICEDE x. 42.01 0.70 \$29.41 6/30/2016 72133 Read Id - 002273+: POPE ROAD Activity Id 405 Herbicide Treatment Road District -2 \$4.55 15.66 6.29 6/1/2016 1330 OUTHERY THOMAS 1 72970 42.01 2.29 \$12.19 4/1/2016 7369/2 1013 TRUCK-HERBICIDE-2000 ١. 2 22.81 0.45 \$10.27 923/2014 72191 1136 OUTHERY THOMAS TRUCK-HERBICEDE-2000 н. 39.52 6.45 \$17.79 9/23/3016 72190 104.3 Boad Id - 002273+ POWELL CIBCLE Activity 34 401 Herbicide Treatment Road District - 3 520.37 1178 TALTON STEVEN W r 18.22 0.58 6/16/2016 72308 \$24.37 6/16/2016 72105 1012 TRUCK-HERBICEDE 1 42.61 0.58 18.22 0.58 \$9.11 \$2/2016 72544 11168 TALTON STEVEN W H. 1 18.07 0.58 72144 0834 PICKUP 8/2/2016 72144 1550 **GUTHERY THOMAS** 1 15.66 6.58 \$7.83 \$2,2016 Baad Id - 002284-: PUCKETT ROAD Activity 34 401 Herbicide Treatment Road District -2 18.22 0.71 \$12.94 1010016 72139 1198 TALTON STEVEN W L 39.52 0.71 \$38.06 7/21/2016 72139 140 TRUCK-HERBICIDE 1 Road Ed - 002285: FULLTEGHT ROAD Activity 1d 401 Herbicide Treatment Read District -7 \$1.96 7/15/2016 E500 **GUTHERY THOMAS** 1 13.66 5.38 72152 \$33.02 2/19/2016 72132 1015 TRUCK-HERINCEDE-2000 L. 35.32 0.38 9230816 72196 1:530 GUTHERY THOMAS I. 15.66 0.45 \$5.74

\$9.04

Mat Cost Cost Cost

Eqs Cost

\$9.48

Report Id: Rpprob12.rpt

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	DUM	M	Description	Rate 16	Rete	Childs	Emp Cost	Equ Cost	Mai Cost	Con Cost
Project ld -28-818	HARRING	IDE PRO	GRAM		1000	- 2014				
Read Id - 0022	85+ PULL	TIGHT	ROAD							
Activity 1d 401	I. Herbield	e Trenime	tani -							
Road District	-1									
9/27/2016	72196	8003	TRUCK-HERBICIDE-2000	1.5	39.52	0.43		\$17.00		
Read Id - 0022	864 PMR	ON BOA	D							
Activity Id 400	I Herbició	Treatme	rent in the second s							
Road District	- B - 1									
6/19/2016	72258	1198	TALTON STEVEN W	1 C	18.22	0.52	\$9.48			
4/15/2016	72058	1012	TRUCK-HERBICIDE	E	42.01	6.52		\$21.85		
7/19/2016	72132	1198	TALTON STEVEN W	1.5	18.22	2.36	\$6.55			
7/15/2016	72132	1012	TRUCK-HERBICIDE	E	39.52	0.36		\$14.25		
Read Id - 0022	89+ QUA	SRY RO	AD							
Activity 14 400	1 Herbicidi	Treaties	net .							
Read District	-1									
6/6/2016	72946	1320	OUTHERY THOMAS	1 C	15.66	0.77	\$12.06			
4/4/2016	72046	1013	TRUCK-HERBICIDE-2000	1	42.01	8.77		\$32.35		
7/21/2016	22334	1530	GUTHERY THOMAS	1. C	15.66	6:90	\$14.00			
7/21/3016	721.34	1013	TRUCK-HERBICIDE-2000	1	39.52	0.99		\$34.57		
8/25/2016	72364	1198	TALTON STEVEN W	E	18.22	8.77	\$14.00			
8/25/2016	72164	0824	PICKUP	1. C	18.07	0.77		\$13.92		
\$/25/2016	72164	1530	GUTHERY THOMAS	1.	15.66	8.77	\$12.06			
Road Id - 0012	91-: RAB	NOT THE	N BOAD							
Activity 14 -401	Herbicid	Treatme	and the second se							
Road District	-1									
4/20/2016	73859	1330	OUTHERY THOMAS	1.1	13.66	8.72	\$11.28			
4/26/2016	72039	1013	TRUCK-HERBICEN-2000	- E -	-42.01	0.72		\$30.25		
4/29/3016	72059	2000	WATER.	GAL.	0.00	2,000.00			\$8.00	
4/26/2016	72059	0911	HERBICIDE-2,4 D AMINE	GALLON	14.13	22.98			\$317.91	
4/20/2016	72099	0856	HERBEIDE-SULFOMET	LB	28.05	1.88			\$52.60	
4/26/2016	72039	0928	HERBICIDE-GROUND ZEBO	PINT	8.71	2,00			\$17.42	
4/20/2016	72059	0933	HERBICIDE-FOAM BUSTER	QT	11.30	0.25			: \$2.83	
\$(9/2016	73969	1198	TALTON STEVEN W	1	18.22	0.26	\$13.85			
5/5/2016	12069	0854	PICKLP		19.21	0.75		514.60		
5/3/2016	72969	4,530	OUTHERY THOMAS	E	15.66	0.36	\$11.91			
106/3916	72538	1330	GUTHERY THOMAS	E	15.66	0.77	\$12.06			
7/26/2016	721,38	1013	TRUCK-HERBICIDE-2000	E	39.52	0.77		\$30.44		
1083916	72340	1198	TALTON STEVEN W	E	18.22	1.00	\$18.33			
1/28/2916	72140	0814	PICKUP	E	18.07	1.00		\$18.07		
1/28/2016	72540	1530	GUTHERY THOMAS	E	15.66	1.09	\$15.66			
\$25/3916	72164	1798	TALITON STEVEN W	E	18.22	0.76	\$13.95			
8/25/2914	72164	0814	PICKUP	E 1	38.07	0.76		\$13.74		
8/25/2916	72164	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	1.09			\$65.96	
\$25/3916	72164	0910	HERBICIDE-MISMA (TAROE)	FGALLON	21.46	2.09			\$42.92	
8/25/2916	72164	2900	MATER	GAL	0.00	100.08			\$0.00	
\$25/3916	72164	1530	GUTHERY THOMAS	1.1	15.66	0.76	\$21.59			
9/30/2016	72188	1198	TALSON STEVEN W	1	18.22	1.09	\$18.22			
9/20/3916	72188	0814	PICKUP	100	38,07	1.00		\$18.07		
9/20/3016	72188	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
Road Id - 0022	94: RAG	AN DR								
Activity 14 400	Berbield	Trustee	tel .							
Road District	-2									
1/18/2016	22134	1530	GUTHERY THOMAS	1.	15.66	0.66	580.34			
7/18/2016	72130	1013	TRUCK-HERBICIDE-2000	1.1	39.52	0.66		\$26.09		
Boad Ed - 0013	08-; RAN	DALL R	DAD							
Activity 1d 401	Herbicid	Treatme	est i							
Road District	-4									
4/25/2916	72962	1198	TALTON STEVEN W	8	18.22	0.45	\$8.30			
4/25/2816	73062	1012	TRUCK-HERINCIDE	1.5	42.84	9.45		\$18.91		

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Tests	0.0.04	14	Description	Bute Id	Water	1 Juin	East Cast	Eas Cost	Mat Cost	Cas Cas
Project M. (28-018	INTROC	IDE PRO	GRAM	inter in						
Road Id - 0023	05 RAN	DALL R	OAD							
Activity M 400	I Herbickle	Treating	cw1							
Road District	-4									
6363916	72123	1198	TALTON STEVEN W	- E	18.22	0.70	312.76			
6362916	72123	1012	TRUCK-HERBICIDE	1.3	42.03	0.50		\$29.41		
Road 1d - 0013	12-1 RAY	FORD R	OAD							
Activity \$3.400	I Berbicib	Trestes	ent							
Road District	-4									
6/29/2916	72116	1198	TALTON STEVEN W	- E - C	18.22	0.59	\$10.75			
6/29/2016	72116	1012	TRUCK-HERBICEN	- E -	-42,01	0.59		\$24.79		
Hoad Id - 0023	474 RED	HILL C	HURCH ROAD							
Activity M 403	1. Herbicidi	Treatm	cet .							
Road District	6-3									
4252916	72963	1198	TALTON STEVEN W		18.22	0.45	58.30			
4/25/2016	72962	1012	TRUCK-HERBICEDE	- E.S.	42.03	0.45	10000	\$18.91		
7/18/2016	72134	1198	TALTON STEVEN W	10 C	(8.22	0.37	\$6.75	1000		
7/18/2016	72130	1012	TRUCK-HERBICIDE		39.52	0.37		\$14.63		
Road Id = 0023	18 / HED	MOUNT	AIN ROAD							
Activity \$1,400	I Herbicidi	Treatm	ent							
Road District	-3				12.2	100	1000			
4/25/2916	72962	1108	TALTON STEVEN W		18.22	0.45	\$8.30			
405/0916	72963	1012	TRUCK-HERBICEDE		42.01	0,45	125	318.91		
7/18/3016	723.91	1198	TALTON STEVEN W		18.22	0.37	\$6.75			
7/18/2014	72104	1012	TRUCK-HERBERSE		39.52	0.37		\$14.63		
Road Id - 0013	194 HED	OAK DI	UVE							
Activity 14 40	I Herbicidi	e Trealas	ent							
Road District	194	1.46	The Constant's American States and	2710	1000	1.00	200.00			
6202016	72108	1198	TALFON STEVEN W	1.0	18.22	0.78	213.89	Contraction (Contraction)		
6363916	72108	1012	TRUCK-HERBICIDE	- K.S.	42.01	0.75		331.93		
No.ed Ed = 00.23	234 REG	AL 10.5%								
Activity M 400	1 Merbicide	e Treasure	141							
Road District	-3		Company and and		10.00	1.41	84.41			
418/2016	22627	1100	GUIDERT THOMAS	10	47.00	0.45	39(4)	\$17.73		
410.016	701001	1100	THUR, K-HERBICK, E.C (199)		18.77	0.44	810.01	441-44		
82122010	72100	1198	TALFUN STRATES IN		18.42	0.32	30000	80.04		
80110010	77140	64.35	CUTSING V THOMAS .	1.0	15.44	0.15	\$8.63	81.14		
Band Ed - 0071	DR. DETAIL	13.00 K	GOTTEDET THUSING		12.00	600	94.05			
Autoin 14 All	I Harblett	Treater								
Road Batelet										
ATRINO C	THEFT	1130	GUTHERY THOMAS	- E C	15.66	0.41	\$5.41			
478/2016	22947	1013	TRUCK-HERROTH-2000		42.04	0.41		\$17.23		
6/24/2816	72112	1530	GUTTHERY THOMAS	2	22.81	0.12	\$11.87			
6/24/2016	21043	1013	TRUCK-HEEBCER _ 2000	1.1	42.01	0.92		\$21.85		
8/15/2016	22155	1198	TAUTON STEVEN W	1.1	18.22	0.77	\$54.03	10.00		
8/15/2016	221155	0814	PICKUP	1	18.02	0.77	22/22/1	\$11.92		
8152805	T2155	1530	GUTHERY THOMAS	1	15.66	0.77	312.06			
Read Ed - 0023	33-: RICH	LARD B	DAD				12000			
Activity 14 48	I Herbield	Treates	end .							
Road District										
6/20/2006	120.99	1196	TALTON STEVEN W	τ.	18.22	0.55	\$10.05			
4/20/2016	720/99	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
Read Ed - 0023	M-: HICK	LES DI	AD							
Activity Id 40	I Herbirid	Treatm	end .							
Houd District	1.1									
6/10/2006	72100	1158	TALTON STEVEN W	2	26.45	9.53	\$14.02			
6/10/2016	72190	0012	TRUCK-HERINCIDE	1	42.00	0.53		\$22.27		
9/8/2016	12177	1198	TALTON STEVEN W	E.	18.22	1.00	\$18.22			

Date	DO M		Description	Rate Id	Bate	Units	Emp Cast	Equ Cort	Mat Cost	Con Cost
Project Id -28-018	MERCHAN	EHE PRO	GRAM		17. m. C.		1.0000			
Road 1d - 6925	M-: RECK	LAS NO	AD							
Activity M 401	Herbield	Treatme	and .							
Head District	-3									
9/8/2016	72177	0012	TRUCK-HERINCIDE	L	39.52	1.00		\$39.52		
\$112/2014	72180	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
%12/2004	72180	1002	THUNCK-HERBICIDE		39.52	0.71		\$28.06		
Read 3d - 0023.	38+ BIDD	CES DE	NDROAD							
Activity M. 481	Herbicide	e Treatmo	nst							
Baad District	-4									
4/29/2006	72058	1198	TALTON STEVEN W		18.22	0.64	311.67	and the local sector		
4/19/2006	72858	3612	TRUCK-BERBICIDE		42.01	0.64	1000	\$26.89		
7/29/2006	72132	1198	TALTON STEVEN W		18.22	0.36	\$6.56			
3/19/2016	73332	3812	TRUCK-HERBEIDE		39.52	0.36	21.552	21173		
8/24/2014	72163	1198	TAUTON STEVEN W		18.22	0.62	\$11.30	A		
\$242004	72963	0814	PICKUP	- and -	18.07	0.62		\$11.21	100.00	
8/24/2016	72563	0921	HERBICIDE-GARLON 5-A	GALLON	32.99	1.00			\$30.99	
8/24/2016	72163	0910	HERBICIDE-MSMA (TARGI	ET GALLON	21.46	1,00			\$21.46	
8/34/2014	72963	2009	WATER	GAL.	0.00	50.00			20.00	
8/34/2006	72163	1530	GUTHERY THOMAS	1	13.66	0.62	39,71			
Read 1d - 0025	40+ 10106	EALER	acD.							
Activity 14 -401	Herbick	t Treatma	cost.							
Ruad Deepvirt	-2		CONTRACTOR DESCRIPTION OF THE	1.1	10.00	1.000				
6/2/2016	72099	1530	OUTHERY THUSEAS		13.66	1.00	\$15.90	415.00		
6/2/2010	22003	1013	TRUCK-INFRISE IDE-2000	1	40.01	1.00		341-01		
Read 1d - 0025	49-2 10/12	ACLIN	PDBINE.							
Activity 1d 401	Herhook	Trealma	and the second se							
Mand Deverses	and and	1000	CONTRACTOR DISCOURSE	12.5	10.00	Control of	44.64			
6/1/2016	12092	1530	COTTREET THOSE AS		13.66	0.29	14.55	200200		
0/1/2010	220942	1011	CONTRACTOR STOCKED	1.0	14.00	0.29	1012-04	810.19		
9/21/20/9	72189	15.90	THINK WERENIE MAN	1.6	10.00	0.22	\$12.00	THE R		
Bundled - 6671	ALL MENT	R DRIV	EDUCK-PERSONNE-2007		39.59	4.00		3.00.00		
Autom 14 481	Barbarba	Treater								
Activity is 441	1	· · · · · ·								
Transmis	22132	4130	CONTRACTOR DISTANCE		15.66	0.34	\$5.96			
1710/2014	221122	1013	TRUE W. OF REALTING, MADE		19.12	0.58		\$15.02		
6/73/3844	22156	1110	CONTRACTOR VIDE ALAS		11.66	0.41	46.34			
6/73/3614	TIME	1043	THICK - HERMOTOR- 1986		39.45	0.43		\$17.00		
Read Id., pezz	OL REVE	RHUN	ROAD			0.40				
Activity 54 484	Berbirth	Treatme								
Read District	.3									
6/73/2016	22114	1516	CETHERY THOMAS	1.2	15.66	0.59	\$99.34			
6/73/5636	72114	1013	TRUNK - REPORT TOF-1999	12	42.08	6.59		324.79		
9/36/3916	72195	1530	CETHERY THOMAS	1.1	15.66	0.36	\$5.64	1.11		
936/3016	92195	1013	TRUCK-SURBICIDE-2000		39.52	0.35		\$14.23		
Road Id - 0025	On REVI	RSIDE	DR	1.0	2002	0.003		2811201		
Activity 54 -401	Herbicid	Treatme	had							
Read District	.2		Si							
6/23/2016	721.64	1530	CRITHERY THOMAS	1.1	15.66	0.59	\$9.34			
6/23/2016	72114	1013	TRUK'S NEW DOCTOR 1000	1	42.01	0.59		\$24.79		
9/36/3016	72195	1150	GUTHERY THOMAS	1.5	15.66	0.36	\$5.64			
9/26/2016	72195	1045	TRUNK-HERRICIDE-2000	1	59.52	0.36		\$14.23		
Road Id - 0025	66- NOR	TH REVI	ERVIEWLANE		2-11-11-1					
Arthur M. 460	Herbick	Treates	end a							
Read District	.4									
4/1/2014	730903	1550	OUTHERY THOMAS	1.1	15.66	0.29	54.55			
6/1/2016	12092	1013	TRUCK-HERBICIDE-2000	125	42.01	0.29	1000	\$12.19		
9210016	721.99	1550	OUTHERY THOMAS	1.1	15.66	6.77	\$12.06			
	100			1.0	1000					

Date

DIM

Project Id -28-818-18/ERBICIDE PROGRAM

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Description

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Rate

Cuits

Emp Cost

\$10.63

\$8.42 \$13.23

\$9.11

\$7.43

\$12.94

\$10.03

\$12.28

\$10.55

\$12.03

\$4.55

\$12.06

\$16.79

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\$9.11

\$5.75

18.22

42.01

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39.52

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0.58

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0.37

0.37

Equ Cost

\$36.44

\$16.57

\$21.01

\$9.54

\$18.06

\$23.11

\$12.11

\$26.09

512.19

\$10.44

\$38.23

\$30.44

\$21.01

\$14.63

\$21.01

\$14.63

Hate M

Boad Ed - 0023	66-: NOR	THE REVE	ERVIEW LANE			
Activity 34, 401	Herbicide	Treshine	141			
Road District	-5					
9(21/3016	72189	800.5	TRUCK-HEIUBICEDE-2000	E	39.52	6.77
Head Ed - 0025	69-: ROBI	BENS BR	ANCH BOAD			
Activity 51 401	Berlició	Truste	ret .			
Road District	- 8					
5/12/2016	73077	1198	TALION STEVEN W	1 C	18.22	8.55
5/12/0816	72077	0815	PERCEP	E	19.21	0.55
5120916	72077	1530	GUTHERY THOMAS	- E.	15.66	6.53
6/24/2916	72112	1198	TALSON STEVEN W	2	26.45	8.50
6/24/2016	72112	1012	TRUCK-HERBICIDE	1	42.01	0.50
8/18/2016	72558	1198	TALTON STEVEN W	E	18.22	0.50
3/18/3016	72158	0814	PICKUP	E	18.07	8.50
8/18/2016	72158	1130	OUTHERY THOMAS	1.5	15.66	8.50
9160316	72184	1198	TALTON STEVEN W	1.1	18.22	8.71
936/2016	77184	1012	TRUCK-HERBICIDE	1	39.52	8.71
Road Id - 0023	71< BORD	ERSON	ROAD			
Activity 34 -401	Berbicide	Trantme	and the second se			
Read District	a.					
6210016	72109	1198	TALION STEVEN W	1.1	18.22	6.55
6/21/2016	72109	1012	TRUCK-HERBICIDE	1.5	42.01	0.55
\$/16/2016	92156	1198	TALTON STEVEN W	1.1	18.22	6.67
\$/16/2016	72136	0814	PICKEP	1.1	18.07	0.67
8/16/2016	72134	1530	OUTHERY THOMAS	10	15.66	0.67
9/26/2016	73195	1198	TALTON STEVEN W	1.1	18.22	0.65
906/0016	72195	1012	TRUCK-HERBICIDE	1.1	39.52	0.66
Bead Id - 0023	75- ROBI	CRTS DI	UNE			
Activity 34 400	Harbicide	Trustee	and a			
Road District	.1					
4/1/2018	73960	1330	OUTHER V THOMAS	1.2	15.66	6.29
6/0/2016	72092	1013	TRUCK-HERBICIDE-2000	1.1	42.01	6.29
9/21/2016	72189	1530	OUTHERY TIKIMAS	1.0	15.66	6.77
0710916	77188	101 h	TRUCK HERBERDE, 7000		39.52	6.72
Band Ed - 0075	N. BOR	ERTS BO	MD	1.1		
Activity 14, 400	Berbick	Tranhon	and a			
Road Bistolet	-1					
6/8/2016	91008	1106	TALTON STEVEN W	100	18.72	6.41
6/8/2015	2204	LOID.	TRUCK-HERBICEDE	- 22	42.01	6.90
WTAPPELL.	11081	1108	TAL DON STEVEN W	1.1	18.22	6.77
WARDER.	22182	100T	TRUCK HERIOCTOR	- 20	39.52	6.77
Band Ld - 0013	RL- BOD	IN SOLAR D	CAD		377.04	
Antoine 1d - Security	i literativity	Turning				
Band District	C ENTRECOD	(Treasure				
ADJ DUTIE	atiet.	1100	TALENDA STRUCTURE BY	N	18.72	0.58
100000000	10000	1000	TOUGH AND THE AVE	- 23	47.01	0.58
10000000	12000		TAL TON STRATE W		10.00	0.17
21842916	201.01	1002	TRUE AND ADDRESS W	1.1	10.02	6.77
Band Id - 4013	SL BOT	K DEUT	T DOAD	1	28.34	4.44
Automatic States	Bachlain,	Tarris	and and a state of the state of			
Read Block	and a second					
Partial Linear Stre						

4/26/2016	72963	1178	TALTON STEVEN W
4262016	72963	1012	TRUCK-HERBICIDE
7/18/2016	72131	1198	TALTON STEVEN W
7/18/2016	72130	1012	TRUCK-HERBICIDE

Band Id - 902384; BOCKLEDGE CIRCLE

Activity Id 401 Herbicide Treatment

Road District -3

Mail Cost Cost Cost

line	DIM	N	Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Cost
Project Id - 28-018 Board Id - 0023	HARRING	IDE PRO	GRAM	111100						
Activity M. 40	Berbick	Treates	and a second sec							
Read District	-3									
4/18/3016	72957	1198	TALTON STEVEN W	1.1	18.22	0.52	\$5.48			
4/18/2016	72017	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
6/17/2018	73106	1198	TALFON STEVEN W	2	26.45	10.318	\$10.06			
6/13/3016	72106	1012	TRUCK-HERIOCIDE	1.1	42.01	0.38	1000	\$15.97		
90222016	72196	1198	TALION STEVEN W	10	18.22	0.45	58.20			
9/23/2014	72196	1012	TRUCK-HERBICIDE	1	39.52	8.45		\$17.79		
Road Id - 0023	85-: BOCI	KLEDGI	EROAD	- 50						
Activity \$4,400	I Herbicide	Treatme	and the second se							
Read District	-3		San and san a							
4/18/2016	72857	1198	TALTON STEVEN W	1.2	18.22	0.64	\$11.67			
4/18/3016	72017	1012	TRUCK-MERIDODE	1	42.01	2.64		\$26.89		
3/11/2018	72976	1198	TALTON STEVEN W	1.2	18.22	0.50	\$9.11			
5/15/2016	72076	0834	PICKUP	1.1	19.21	0.50		\$9.64		
1/11/2016	72076	1130	GRITHERY THOMAS	1	15.66	0.50	\$7.63			
6/17/2016	72104	1198	TALTON STEVEN W		26.45	0.38	\$10.06			
6/13/2016	72106	1012	TRUCK-BERRODE	1.	42.01	0.98	101010	\$15.97		
8/10/2016	721151	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
8/10/2016	72151	0824	PICKUP	1	18.07	0.66	2010	\$11.95		
8/10/2016	72151	1530	GUTHERY THOMAS	1.1	15.66	0.66	\$10.54			
9233316	72196	1298	TALTON STEVEN W	1	18.72	0.45	\$8.20			
5/27/2016	72196	1012	TRUCK - PERMICIDE	1	39.52	0.45		\$17.79		
Road 1d - 0023	86-(ROC)	KY FOR	DROAD	- 12						
Activity M 401	- Herbicide	Treates	and the second se							
Read District	-1									
4/19/2016	72954	1550	GUTHERY THOMAS	1.1	15.66	8.72	\$11.28			
4/19/2016	72038	1003	TRUCK-HERBICIDE-2900	1.1	42.01	0.72		\$36.25		
4/19/2016	72058	2000	WATER.	GAL.	0.00	2,008.00			50.00	
4/19/2016	72058	10954	HERBICIDE-2.4 D AMINE	GALLON	14.13	22.50			\$317.93	
4/19/3016	72018	0956	HERITCIDE-SULFOMET	1.0	28.05	1.88			\$52.60	
4/29/2016	72058	0928	HERBICIDE-GROUND ZERO	PINT	8.71	2.90			317.42	
4/19/2016	72058	0933	HERBICIDE-FOAM BUSTER	10	11.50	0.25			\$2.83	
5/5/2016	72978	1196	TALTON STEVEN W	1	18.22	0.83	\$15.13			
3/5/2016	72071	0834	PICKUP	1.2	19.21	6.83		\$13.95		
5/5/2016	72974	1530	OUTHERY THOMAS		15.66	0.83	\$13.00			
102,0016	12138	1530	GUTHERY THOMAS	1	22.81	0.56	\$12.78			
102/0016	72135	1013	TRUCK-HERHICIDE-2000	1.1	39.52	0.56		\$22.14		
122/0014	72135	2000	WATER	GAL.	0.00	2,000.00			\$0.00	
102/0914	72135	0910	HERRICEDE-MEMA (TARGET	GALLON	21.46	15.00			\$321.90	
10330016	72135	0916	HERBICEDE-DEURON 4L	GALLON	18.00	13.00			\$279.00	
1030916	72135	0928	HERBICIDE-ORDEND ZEBO	PINT	8.71	2.00			\$17.42	
102/09/6	72135	0933	HERBICIDE-FOAM BUSTER	OT	15.30	0.25			\$2.41	
1250916	72137	1130	OUTHERY THOMAS	1	15.66	0.50	\$7.83			
7(25/2016	72137	1013	TRUCK-HERBICEDE-2000	E	39.52	0.50		\$19.76		
1050016	72137	2000	WATER	GAL.	0.00	2,000.00			58.00	
7/25/2016	72137	0910	HERBICIDE-MIMA (TAROET	GALLON	21.46	15.88			\$322.90	
1050016	22132	0916	REDUCTOR-DUCKON 4L	GALLON	18.00	13.00			\$278.00	
1050016	72137	0928	HERBICIDE-GROUND ZEBO	PINT	8.71	2.00			\$17.42	
105/0016	72137	0903	HERBICIDE-FOAM BUSTER	OT	11.30	0.25			\$2.61	
8/36/2016	72248	1198	TALTON STEVEN W	1.1	18.22	0.78	\$12.94			
8/30/2016	72164	0854	PICKUP	1.1	15.07	0.71	11111111	\$12.81		
806/2016	72048	1136	OUTHERY THOMAS		15.66	0.71	\$11.12	Constant S		
Boad Id - 0022	STI BOCI	KY IBOL	LOW CUT-OFF	2010		61256				
Activity 14, 400	Herbleide	Treates	tend to the second s							
Read District	-4		all and a second second							
4/25/2016	73963	1198	TALTON STEVEN W	1.5	18.22	9.45	\$8.20			

		22	-			Sec. 10	Sec. Cont	See See	Sec. Care	in the second
Date	0.0 14		Discillation	Bate 16	Fair	Uaro	Emp Cast	Light Cost.	Marcon	Contract
Project 64 -28-818	HIRDER	THE PHO	IGRAM							
Read 14 - 0023	874 BOC	KY HOL	TOM CLI-Obb							
Activity 1d 40	Herlifeld	e Trealm	end							
Road District		inter a	The second second second second	4.1	100.00					
4/25(2916	73962	1012	TRUCK-HERBELDE		42.01	0.45	F10.75	218.51		
3/9/2010	72076	1198	TALFON STEVEN W		18.22	1.11	210.13	Cardon C.		
5/9/20110	72074		PRADE		19.21	1.11	#13.5c	201.01		
6/36/2010	2212.0	1198	TALION STRAIN W	- 22	47.04	0.79	31.6.75	1255.41		
Band Ld dott	PEL BOC	NY MOR	LOR BOAD		42.01	6.16		313.41		
Activity 14 All	Boll must	Treater								
Band District	- Herriette									
421/2014	*****	1100	TALENA STEVEN IN		18.72	0.45	58.30			
4/31/3016	11061	100.	TRUCK HURSETER		43.04	0.45		\$18.91		
5/6/2016	12004	1198	TALTON STEVEN W		18.22	1.11	\$20.73			
1/6/2016	23024	0814	PR'NUP		19.21	1.11		\$21.11		
450916	12074	1135	CUTUERY THOMAS	1.1	15.65	1.11	\$17.79	-		
4/30/2016	95128	1198	TALTON STEVEN W	- 22	18.22	0.79	\$12.76			
4/90/2016	22123	1017	TRUCK-HERBOTH		42.04	0.79		\$29.41		
6/31/3916	17169	1198	TALTON STEVEN W	100	18.22	0.15	\$10.03			
6010016	73148	0814	PICKUP	10	18.07	0.55		\$5.54		
\$212816	22340	1150	GUTSERY TRUMAS	1.1	15.66	0.55	\$26.62	1.000		
Read Id . 0023	89- BOD	EN ROA	D			0.515	0.00010			
Activity 14 -401	Herbield	Trantm	and a							
Band District	.3									
6/13/2016	72182	1198	TALTON STEVEN W	1.1	18.22	0.55	\$10.03			
6/13/2916	72102	1012	TRUCK-HERBICIDE		42.04	0.55		\$23.11		
9/22/2016	12:190	1198	TALTON STEVEN W	1.1	18.22	0.55	\$10.00			
9/22/2016	72198	1012	TRUCK-HERBEIDE		39.52	0.55		\$21.74		
Read Id - 0023	90-: ROD	GERS II	OAD							
Activity 14 401	Berbield	Treatm	ent l							
Road District	-3									
6170916	32306	1198	TALTUN STEVEN W	2	26.45	0.38	\$10.06			
6110916	72106	1012	TRUCK-HERINCIDE	1	42.01	0.38		\$13.97		
Road 54 - 0023	94+ HOLI	LING HI	LLS ROAD							
Activity M 401	Herbicidi	Treatm	two two							
Band District	1.2									
6/1/2016	12992	1530	GUTHERY THOMAS	1 C	15.66	0.29	54.15			
6/0.0016	73/92	1013	THUCK-HERINGIDE-2000	1 E	42.01	0.29		\$12.19		
9232016	72191	1530	GUTHERY THOMAS	2	22.81	0.45	\$10.27			
9/23/2016	72190	1015	TRUCK-HERBICIDE-2000	1.5	39,52	0.45		\$17.79		
Read Ed - 0023	98-: BOO	F DR								
Activity Id. 40	Herbicid	Treatm	east .							
Houd District	-3									
6152916	72194	1195	TALTUN STEVEN W	÷	18.22	0.43	\$2,84			
6/15/2916	72104	1012	TRUCK-HERBICIDE	E	42.61	0.43		\$18.07		
Baad 64 - 0034	63-: ROSI	EROAD	and the second second second second							
Activity 14 40	Herbició	e Treatm	en)							
Read District	-4									
7/19/2016	121.02	1198	TALTON STEVEN W	#12	18.22	0.36	\$6.56			
715(2016	72832	1012	TRUCK-HERBICIOE	1. c	. 39.52	0.36		\$14.23		
Boad 8d - 0024	88< R053	S DRIVE								
Activity Id. 40.	Herbicid	e Trestin	693							
Head District	-1									
4/27/2816	72214	1530	GUTHERY THOMAS	- U.S.	13.66	0.59	\$9.24			
6/21/2016	72114	1013	TRUCK-HERINCIDE-2000	1	42.61	0.59	100	\$24.79		
9/26/2016	72285	1100	GUTHERY THOMAS	1. S	15.66	9,28	56.39			
9/26/2016	73199	1013	THUCK-HERBICIDE-2000	(1)	39,52	0.28		\$11.07		
Head Id - 9024	15-: ROW	AN CUT	1-00°F							

PAGE 76 OF 138

Date	DIM	N.	Description	Rate 14	Rate	Units	Emp Cost	Equ Cost	Mat Cert	Can Can
Project Id -28-018-	HURBOC	IDE PRO	GRAM							
Road 1d - 00341	15-: ROW	AN CUT	1017							
Activity 54 401	Herbicid	Treatme	and the second se							
Read Statist	.1									
4/18/2016	72957	1198	TALTON STEVEN W	E	18.22	0.52	\$9.48			
4/18/2016	72097	1012	TRUCK-HERBICIDE	1 C	42.03	0.52		\$21.85		
6/17/2016	72106	1196	TALTON STEVEN W	2	26.45	0.38	\$10.06			
6/17/2016	72106	1012	TRUCK-RERIBCIDE	E	42.03	0.38		\$15.97		
9/27/2016	72196	1198	TALTON STEVEN W	1 C	18.22	0.45	\$8.20			
9/27/2016	72196	1012	TRICK-HERBOIDE	1	39.52	0.45		\$17.79		
Road Id - 60341	16-: NOW	AN DRU	VE							
Activity M 401	Berbick	Treatme	had							
Read District	-1									
6/22/2016	72116	1198	TALTON STEVEN W	1.1	18.22	0.91	\$16.39			
6/23/2016	72110	1012	TRUCK-RESIDCIDE	t	42.03	0.91		\$38.23		
6/73/3036	77811	1198	TAUTON STEVEN W		18.22	0.50	49.11			
ACTIVITIES.	72111	1012	THEORY - SETTING THE	100	42.03	0.50		121.01		
6/10/2016	97199	1100	TALITON STEVEN W		18.77	0.66	\$17.03			
6/31/2036	22189	1007	THE CONTRACTOR OF THE	12	59.42	0.44	210.00	\$16.09		
Read 14 . 00341	IS. BOY	WHITT	ROAD	*C		0.000				
Australia Ad. and	Marghdold,	Toronto								
Read District			-							
ADADOLO	*****	1100	TAL TON STREET, N		10.00	0.58	\$16.57			
104000	72300	1000	LALIAN STRAENW		42.01	0.00	arear	1214 122		
6/14/2016	12100	1002	TROCK-PERMIT.		40.00	8.26	******	204,01		
9/23/2016	721940	11998	EVELOCK STRAEM		20.42	0.20	214.82	410.14		
923/2016	72191	1012	TRUCK-SERINCIDE		19.56	8.56		112.04		
Road 10 + 98343	Dec HUN	TAN 800	oub							
Activity M 401	Berbicid	e Tresius	reil							
Road Existrict	-1				10000		10000			
6/1/2005	73993	1120	GUTHERY THOMAS		-05.66	8.29	.94.33			
6/1/2068	72092	1013	TRUCK-HERBICIDE-2000		42.01	8.29	F10.33	217.14		
9/33/2014	721991	1336	GUTHERY THOMAS		22.81	0.45	21073			
923/2016	72190	1013	TRUCK-HEILBICEDE-2000		39.52	8.45		311.39		
Road 1.0 - 90240	26-4 NU.55	ALL SO	IAD							
Activity 3d 401	Rerbició	e Treatme	teo feo							
Read District	-2	1.534	8 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	100	0.255	57299	22222			
7/19/2016	72133	1530	GUTHERY THOMAS	E	35,66	0.58	- 55.96	1206140		
2/19/2016	72132	1003	TRUCK-HEILINCEDE-2000		39.52	0.38		\$15.02		
9/27/2016	72196	1130	GUTHERY TIKIMAS	E	15.66	6.0	\$6.74	Constant A		
9/27/2016	72196	1013	TRUCK-HERBICEDE-2000	E	39.52	6.47		\$17.00		
Boad Id + 00342	50+ SADI	NECU	UB ROAD							
Activity M 400	Herbició	e Treatm	ent .							
Road District	-2									
6/8/2016	72998	1530	GUTHERY THOMAS		15.66	0.71	\$11.12			
6/8/2016	72094	1013	TRUCK-HERBICEDE-2000		42.01	0.71		\$29.83		
\$31,0916	72369	1198	TALTON STEVEN W	10 C	18.22	0.55	\$10.03			
8/31/2016	72169	0814	PICKUP	1. S	18.07	0.55		\$9.94		
831/2916	72169	1150	GUTHERY THOMAS	100	15.66	0.55	\$8.62			
9/13/2016	72181	1150	GUTHERLY THOMAS	B	15.66	0.99	59.24			
9/13/2016	72180	1013	TRUCK-HERRICEDE-2000	1	39.52	6.59		\$23.32		
Read Ed - 00343	34-: SAM	PLESIN	DAD							
Activity \$1 401	Herbicid	Teratas	ent							
Road District	-1									
6/7/2016	72997	1530	OUTHERY THOMAS	1.2	15.66	0.53	58.30			
6/3/3016	72091	1013	TRUCK-HERBICIDE-2000	1.1	42.04	0.53		\$23.27		
9/14/2016	22182	1130	OUTHERY THOMAS	1.5	15.66	0.75	511.12			
9342016	72182	1013	TRUCK-HERBETDE-2000	1 B	39.52	0.71		\$28.06		
Hand Id - 0034	15-1 KA30	UELSCI	HAPEL ROAD	2.4				475 C.S.S.		
Automa Ma and	Rechteld	Trantin	and the second se							

Ibute	DIM	M	Description	Hate M	Rete	Units	Emp Cost	Equ Cost	Mat Cost	Con Con
Project Id -28-818	HIGHNO	IDE PRO	GRAM	2012/2011	-					
Read Id - 0034	35+ 5AM	UBLSCI	HAPEL ROAD							
Activity M 400	Herbicid	Treatme	and the second se							
Road District	-4									
6/34/3016	72112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/34/3016	72112	1012	TRUCK-HERBICIDE		42.01	0.50		\$21.01		
6/29/2016	73116	1198	TALTON STEVEN W	1	18.22	8.56	\$10.21			
6/29/2016	72116	1012	TRUCK-BERDOCIDE	E	42.01	0.56		\$23.53		
6/29/2016	72136	0910	HERBICIDE-MSMA (TARGET	GALLON .	21.46	15.00			\$321.90	
6/29/2016	721.96	0916	HERBICIDE-DRIRON 46.	GALLON	18.00	15.00			\$270.00	
6/29/2016	72116	0978	HERBICEDE-GROUND ZERO	PINT	8.71	1.00			\$8.71	
6/29/2016	72146	2000	WATER.	GAL	0.00	2,008.00			\$0.00	
\$/22/2016	22161	1118	TALTON STEVEN W	1	18.22	1.00	818.22			
8/22/2016	72164	0814	PICKUP	1.5	18.07	1.00		\$18.07		
\$/22/2016	72163	1530	OUTHERY THOMAS	1	15.66	1.00	\$15.66			
Road Id - 0024	37-1 SAN	OVALLE	V ROAD							
Activity 1d 400	Herbicid	e Treatme	and the second se							
Read District	.3									
60/2086	73993	1198	TALTON STEVEN W	1.	18.22	2.50	\$45.55			
6/2/2006	72099	1012	TRUCK-RERINCIDE	1.	42.01	2.50	101000	\$105.03		
6/3/2006	73994	1298	TALTON STEVEN W	1	18.22	0.50	59.11			
6/3/2085	12054	0854	PICKUP	1	19.21	8.50		\$9.61		
6/3/2096	73094	1530	GETTRERY THOMAS	1	15.66	0.50	\$7.83	- 2010		
6/7/2016	73997	1198	TALTON STEVEN W		18.22	1.00	\$18.22			
4/2/2004	12692	1012	TRUCK-SERRICIDE		42.01	1.00		\$42.01		
6/8/2016	73098	1198	TALTON STEVEN W		18.22	0.91	\$16.99	1000		
6/8/2006	72098	1012	TRUCK-REBRICTOR		42.01	0.91		\$38.23		
\$1,2015	73143	1198	TALTON STEVEN W	1	18.22	1.60	\$18.22			
8/1/2016	72143	0814	PICKUP	1	18.07	1.00	4	\$18.07		
#1/2665	72140	1130	GUIDBERY TROMAS	1	15.66	1.00	\$15.66			
9502056	73173	1.198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
98/2016	72172	1012	TRUCK-REPORTING	100	39.52	1.60		\$19.52		
6/14/2016	73183	1198	TALTON STEVEN W		23.76	0.76	\$18.06	1000		
9/14/2016	72182	1012	TRUCK-DERNCIDE	1	39.52	4.76	0.000	\$30.04		
\$/14/2016	72182	0821	HERBICIDE-GARLON 3-A	GALLON	32.99	15.00		3222564	\$494.85	
9042016	72182	2960	WATER	CLAI.	0.00	1,000,00			\$3.00	
9/15/2016	72183	1198	TALTON STEVEN W	1	18.22	2.50	\$45.55			
5/15/2015	72183	1012	TRUCK-DERINCIDE	1	39.52	2.50	1000	\$98.80		
9/15/2016	72183	0923	IERBCOR-GARLON I-A	GALLON	32.99	15.00			5494.25	
9/15/2036	72183	0924	HERBICENE-GROUND ZERO	PINT	8.71	1.00			\$8.71	
9/15/2016	72183	2000	WATER	GAL.	0.00	1.000.50			\$0.00	
Read 1d - 0024	44 : SA H	DES IDOA	D							
Activity 54 401	Herbicid	Treatme	and the second se							
Read District	.1									
4/18/2016	72057	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/18/2015	12057	1012	TRUCK-HERBICIDE	1.1	42.01	0.52	2.552	\$21.85		
1/15/2016	92075	1198	TALTON STEVEN W	1	18.22	2.50	\$45.55			
\$710/2015	72075	0834	PICKUP	1.1	19.21	2.50		\$48.03		
5/10/2016	72075	1530	GUTHERY THOMAS	1.1	15.66	2.50	\$39.15			
6/13/2016	73103	1198	TALTON STEVEN W		18.22	6.55	\$10.03			
6/13/2016	72100	1012	TRUCK-DERECTOR	1	42.01	0.55		\$23.11		
6/14/2014	72100	1198	TALTON STEVEN W	1	18.22	6.72	\$13.12			
6/14/2016	72100	1012	TRACK-PERMITTEE	1	42.01	0.72		\$58.25		
6/14/2016	72168	0910	HERBICIDE-MIMA (TARGET	COALLON	22.86	7.50			\$168.95	
6/14/2016	72100	0916	HERBICEN-DEDININ 4	GALLON	18.00	7.50			\$135.00	
6714/2026	72100	0928	HERBICIDE-GROUND ZERO	FINT	8.71	1.00			\$8.71	
6/14/2015	72168	2900	WATER	GAL	0.00	1,008-00			58.00	
\$(2)2694	72144	1008	TALTON STRVEN W	1	18.22	0.50	\$9.11			
8/2/2004	72144	6814	PICKUP	1.1	18.07	0.50	1880	39.04		

Date	0.0 14		Description	Rate M	Rete	1/mits	Emp Cost	Eqs Cost	Mat Cost Con Cost
Project 34 - 28-818	HERBIC	IDE PRO	GRAM	5011355	10.00	1000	101100.00		
Boad Ed - 9024	144-: SARI	HS ROA	D						
Activity 14 40	I Herbició	Treatme	197						
Road District	t - 3								
8/2/2016	22144	1530	GUTHERY THOMAS	1.0	15.66	0.55	\$7,83		
9/15/2016	72183	1158	TALTUN STEVEN W	1.5	18.22	1.59	\$27.30		
915/2014	72180	1013	TRUCK-HERBORIDE	1.1	39.52	1.50		\$19.28	
Band Ed - 0024	HS: SAR	LATT B/	TILES BOAD						
Activity 14 40	I Herbield	Tresime	red .						
Road District	t - 3								
4/25/2016	72963	11198	TALTON STEVEN W	1 C	18.22	10.45	\$8.20		
4/25/2016	72062	1012	TRUCK-HERBICIDE	5	42.01	0.45		\$18.51	
7/16/2016	72134	1198	TALTON STEVEN W	E C	18,22	0.37	36.75		
7/18/2016	72130	1012	TRUCK-HERBICEDE	8	39.52	6.37		\$14.63	
Hoad Id - 0024	He SATI	ERFIEL	D LANE						
Activity 1d 40	I Herbickh	Trustee	est in the second se						
Road District	-2								
6212016	72114	1530	GUTHERY THOMAS	1.1	15.66	0.59	\$9,24		
6/27/2016	72114	1015	TRUCK-HERBICIDE-2000	1	42.01	0.99		\$24.79	
9/26/2016	32396	1530	GUTHERY THOMAS	10	15.66	0.36	\$5.64		
9260016	22195	1013	TRUCK-HERBICENE-2000	1	30.52	0.36		514.21	
Boad Id - 0024	17- SALE	S CIRCI	LE	1.1		0.000			
Activity \$1 -40	i Herbicki	Treatme							
Read District									
4182016	TIMET	1115	TAUTON STEVEN W	100	18.77	0.12	25.48		
4/18/2016	23947	1012	TRUCK-MERINETIC	1.2	42.01	8.52		821.85	
6010016	71004	1198	TALION STEVEN W	- 22	18.22	0.45	58.50		
67777816	71104	1017	TRUCK AND DOT THE		39.52	6.45	20.20	\$17.79	
Band 14 - 0024	UR. SALT	SWAR	REN BOAD						
Activity 34 att	I Blocking	Treatme	and a second to						
Read Ticksie									
AURINALS.	73567	1000	TALLY AND STRUCK W	12.5	100.00	10.02	100.48		
4140016	03647	and a local diversion of the	TRUCK AND DECEM		42.01	0.52	31.44	821.85	
10100010	12025	1100	TAL BOOM STREAM IN		24.45	0.34	Rinds Free	201.00	
411 11 10 10	22106	1000	TRUCK ADDITION		47.04	0.38	a	\$15.01	
0/10/0416	72198	1100	TALTIN STUDIES	10	18.77	0.20	44.34		
90103010	10000	1000	THE POST AND ADDRESS OF	20	10.00	0.42	34.20	817.75	
9(21)/916	12179	NO. INCOM	TRUCK-HEROK-ER	5.2	29.34	0.45		911.19	
Head Id - 00.04	HON: DUAL	25 100.0							
Artisty 14 40	1 Hertbacks	Truthe							
Road District			COLUMN TWO IS NOT THE OWNER.	100	44.44	1.44	40.45		
7125/2016	72137	1539	GULHERT TIKOMAS		43,60	0.50		10000	
725/2016	10100	101.3	18U.KHUX00.LDC-2000		39.52	0.5#		345.08	
Hoad Ed - 9024	190-C SIL 87	HC DRI	YE.						
Activity 1d 40	I Herbické	Treatme	191						
Road District			A LA MARK A MARK AND A		10.00		A		
9/58/5819	72116	1198	TALIUN STEVEN W	5.0	18.22	0.59	\$10.15		
6(29)(291)6	72116	1012	TRUCK-HERBICIDE	12	42.01	0.39	-	324.79	
\$160916	72156	1198	TALFON STEVEN W		18.22	0.67	\$12.23		
8/16/2016	73156	0614	PERCUP	1	18.07	0.67	235.00	\$12.11	
8162916	72156	1330	GUTHERY THOMAS	1	15.66	0.67	\$20.50		
Read Ed - 0024	SI-: SCEN	IC IIIG	IIWAY						
Activity 1d 40	I Herbició	Treatme	and the second se						
Bood District	-1								
6/8/3016	72998	1530	GUTHERY THOMAS	1	13.66	0.77	\$32.06		
6/8/2016	72098	1003	TRUCK-HERINCIDE-2000	3	42.05	0.77		\$32.15	
6/8/2016	72998	2000	WATER	GAL	0.00	2,000.00			\$0.00
4/8/2016	72098	0910	HERINCIDE-MSMA (TARGE	T GALLON	21.46	15.00			\$321.90
6/8/2016	72098	19935	HERINGIDE-DRUKON 4L	GALLON	18.00	15.00			\$270.00
6/8/2016	72098	0928	HERRICIDE-GROUND ZERG	> PEST	8.71	2,00			\$17,42

Date	0.0 14	м	Description	Rate Id	Rete	Units	Emp Cost	Equ Cost	Mai Cost	Con Cost
Project ld -28-818	INTERESC	IDF. PRO	GRAM	Sec. 196	242900		100000			
Road Ed - 0024	SI-4 SCH	AC BIG	IDVAY							
Activity M 400 Road District	Herbició	Treatm	celt .							
6/8/2016	73998	0953	HERRICEDE-FOAM BUSTER	01	11.30	0.25			\$2.43	
6/24/2016	72112	1130	OUTHERY TIKIMAS	2	32.81	6.54	\$14.00			
6/24/2016	72112	1013	TRUCK-HERINGEDE-2900	1.1	42.01	8.64		\$26.89		
6/24/2016	73113	2000	WATER.	GAL	0.00	2,006.00			50.00	
6/24/2016	721.12	0910	HERBICIDE-MIMA (TARGE	TGALLON -	21.46	15.00			\$121.90	
6/24/2016	72112	0916	HERBICIDE-DIURON 4L	GALLON	18.00	11.00			\$279.00	
6/24/2016	72112	0928	HERBICIDE-GROUND ZERO	PINT	8.71	2.00			\$17.42	
6/24/2016	72112	0953	HERBICIDE-FOAM BUSTER	00	11.50	0.25			\$2.83	
8/31/2016	72169	1198	TALTON STEVEN W		18.22	0.55	\$10.03			
8/11/3016	72169	0814	PICKUP	8	18.07	0.55		\$9.94		
\$31256	72169	1130	OUTHERY THOMAS	1.1	15.66	0.55	58.62			
9/5/2016	72171	1196	TALTON STEVEN W	1.2	18.22	0.54	59.84			
9/5/2016	72179	0814	PICKUP	1.5	18.07	0.54		\$9.76		
9/1/2016	72171	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	1.50			\$49.49	
9/5/2010	72171	0950	HERBICIDE-MSMA (TARGE	TILALLON	31.46	1.50			\$32.19	
9/1/2016	72171	2000	WATER	GAL	0.00	75.00			\$8.00	
9/5/2016	22171	1150	OUTHERY THOMAS	1.5	15.66	0.54	58.46			
913/2016	72181	1530	GUTHERY TIKIMAS	15	15.66	0.59	59.34			
913/2016	72180	1013	TRUCK-HERBICIDE-2000	1.1	39.52	0.59		\$23.32		
9/14/2016	72182	1130	GUTHERY THOMAS	1.5	15.66	0.71	\$11.12			
9142916	72182	1013	TRUCK-HERBICIDE-2000	1.0	39.52	6.71		\$25.06		
Road Ed - 0024	54-: SC19	HOL BO	AD							
Activity 1d 400	I Herbicid	e Treatme	test for a second se							
Road District	-4									
6/24/2016	32112	1198	TALTON STEVEN W	2	25.45	0.59	\$13.23			
6/24/2016	72112	1012	TRUCK-HERBICIDE	1.0	42.01	0.59		\$21.01		
9/16/2016	72384	1198	TALTON STEVEN W		18.22	0.71	\$12.94			
916/2016	72184	1012	TRUCK-HERBICIDE	1.1	39.52	0.71		\$28.06		
Read Ed - 0024	56-: SCO	TT ROA	D							
Activity 14 40	Herbicki	e Treatm	end a							
Road District	- J									
613/2016	72102	1198	TALTON STEVEN W	1. C	18.22	0.55	\$10.03			
6/13/2916	723/02	1012	TRUCK-HERBICIDE	1	42.81	0.55		\$23.11		
9/23/2016	72191	1198	TALTON STEVEN W	2	26.45	0.56	\$14.83			
9/23/2016	72191	1012	TRUCK-HERBICIDE	100	39.52	0.56		\$22.14		
Road Ed - 0024	894 SCR0	OUG OU	TDR							
Activity Id: 40	I Herbicki	c Treatme	ret							
Read District	-4									
418/2016	12057	1530	GUTHERY THOMAS	F	15.66	0.41	56.43			
4182016	72957	1013	TRUCK-HERBICIDE-2000	1	42.00	0.45	1.1.1.2	\$17.23		
7/18/2016	35131	1536	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
718/2016	72130	1013	TRUCK-HERBICIDE-2000		39.52	0.66		\$26.09		
Houd 1d - 0024	654 SRA	DA CIRO	VEROAD							
Activity Id: 40	I Herbicid	e Trestm	ter f							
Road District	· ·		No. of Street, Str	271	10.00					
6/20/2016	72108	1158	TALTON STEVEN W		18.22	0.76	312.83	10000		
6/20/2006	72:098	1012	TRUCK-HERINGIDE		42.00	0.76	diam'ne	801.90		
8162006	12156	1158	TALIUN STEVEN W	1	18.22	0.67	\$12.21	2000		
8/16/2006	723.56	0814	PR.KUP		18.00	0.67	1000	\$1711		
B/06/2006	12156	1530	GUTHERY THOMAS	1	13.66	0.67	219.20			
Bead 54 - 6924	THE SHA	MURD-LA	A DORE VE.							
Activity Id 40	Herbield	e Tresimo	191							
Haud District	-2		CONTRACTOR DECISION				40.00			
4182036	12007	15,90	VALUES AND AND AND		13.66	0.41	30.41	812.22		
#182019	AND L	1013	1810-A-182830-816-2000		-			411.65		

Date	DJ M	M	Description	Rate Id	Rate	Units	Emp Cast	Equ Cost	Mat Cast	Casi Cost
Project M -28-015 Road Id - 0024	INTERNET	IDE PRO NGRELA	GRAM							
Activity Id. 481	E Herbicide	Treatme	net							
Road District	1.2									
6/24/2016	72112	1530	GUTHERY THOMAS	2	22.81	0.52	\$11.87			
6/24/2016	72112	1013	TRUCK-DERENCIDE-2009	1	42.01	0.52		\$21.85		
9/13/2016	72181	1530	GUTHERY THOMAS	1	15.66	0.39	\$9.24			
\$/13/2016	72181	1013	TRUCK-HERBICIDE-2000	1. C	39.52	0.59		\$23.32		
Read 3d - 0924	83-c SHEE	TON B	DAD							
Activity 58 481	l Herbicide	Treatme	test							
Read District	-4									
4/18/2016	72057	1530	CATTIERY TROMAS	1 C	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-UERINCIDE-2000	1	42.01	0.41		\$17.23		
7/38/2015	72131	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
7/38/2016	72134	1013	TRUCK-HERBICIDE-2009	t.	39.52	0.66		\$26.09		
8/31/2014	72109	1198	TALTON STEVEN W	1. S	18.22	0.55	\$30.03			
8/31/2016	72169	0814	PICKUP	1	18.07	0.55		\$9.94		
8/31/2016	72169	1330	OUTHERY THOMAS	1.1	15.66	0.55	\$8.62			
Read 1d - 0034	85-: SHEE	RIE LA	NE							
Activity Id. 481	Herbicida	Treatme	test (
Read District	-1									
3/19/2016	728.32	1520	GUTHERY THOMAS	1	15.66	0.58	\$5,96			
3/39/2016	72132	1013	TRUCK-HERBICIDE-2000	1.0	39.52	0.38		\$15.62		
\$/27/2016	72196	1330	OUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/27/2016	72196	1013	TRUCK-DERBACIDE-2900		39.32	0.43		\$17.00		
Read 1d - 0034	PO-C SHIL	OHRO	UD							
Activity M 401	E Herbicide	Treating	and the second se							
Read District	-4									
4/19/2016	72058	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72038	1013	TRUCK-HERBICIDE	1	42:00	0.52		\$21.85		
1/16/2016	72139	1198	TALTON STEVEN W	1	18.22	9.37	\$6.75			
3/18/3016	12131	1012	TRUCK-BERINGIDE	E	39.52	0.37		\$14.43		
Read 1d - 0024	P1-: SHUN	BONE R	BDGE ROAD							
Activity Id 401	I Berbicide	Treatme	test (
Road District	1-2									
6/3/2016	72090	1330	GUTHERY THOMAS	8	15.66	1.00	\$15.66			
6/2/2016	72693	1013	TRUCK-HERBICIDE-2000	1.1	42.01	1.00		\$42.01		
9192016	72187	1530	OR/THERY THOMAS	107 E	15.66	0.06	\$10.34			
9/19/2016	72182	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
Read 1d - 0034	03-i SHO	RELAND	DRIVE							
Activity 3d 400	i Herbicidi	e Treatm	cet .							
Road District	-#									
6/7/2016	72097	1530	OUTHERY THOMAS	- E	15.66	0.53	\$8.30			
6/7/2036	72097	1013	TRUCK-HEILBICIDE-2000	8 C	42.01	0.53		\$22.37		
9/26/2016	72196	1150	GUTHERY THOMAS	1.	15.66	0.36	\$5.64			
9(26/2016	72195	180	TRUCK-HERBICENE-2000	1.2	39.52	6.36		\$14.23		
Hoad Id - 0034	198-: SIBE	RISTR	EETS .							
Activity \$4.40	1 Merbleid	· Treatme	and the second se							
Road District	-1									
4/6/2016	72946	1530	GUTHERY THOMAS	100 E	15.66	0.37	\$12.66			
6/6/2016	72046	8013	TRUCK-HERBICEDE-2000	1.2	42.01	0.77		\$32.35		
2262916	72138	1300	GUTHERY THOMAS	1.2	15.66	0.77	\$12.06			
7060916	72138	1013	TRUCK-HERBICIDE-2000	1. L	39.52	6.37		\$30.44		
Road Ed - 0024	99+ SILE	R ROAD	0							
Activity M. 40	Berbicki	Trestm	ini							
Road District	-1									
4192016	72858	1530	OUTHERY THOMAS	E C	15.06	0.58	\$9.09			
419(2816	72058	1013	TRUCK-HERBCEDE-2008	1 C	42.01	0.58		\$24.3T		
7/22/2916	72138	1100	GUTHERY THOMAS	2	22.81	0.99	\$13.46			

Date	84.84	M	Description	Bate 14	Rate	Units	Emp Cost	Equ Cost	Mat Cost Cost Cost
Project Id -28-818	HERBO	IDE PRO	GRAM	0.00		-12-2-		- 33	
Road Id - 0024	994 SILE	R ROAD	D						
Activity 14 400	Berbicid	Treating	ead to be a set of the						
Read District	-3								
10220316	72135	1013	TRUCK-HEILINCEDE-2000	1.5	29.52	4.99		\$23.32	
\$36/2016	72168	1198	TALTON STEVEN W	- E.S.	18.22	0.71	\$12.94		
\$750/2016	72108	0854	PICKUP	- C.	18.07	0.71		\$12.83	
8/30/2016	72268	1120	GUTHERY THOMAS	1	15.66	0.71	\$11.12		
Road Id - 0025	03+ SEME	dONS L	ANE						
Activity 34-400	I Herbicidi	e Treatm	end .						
Read District	-3								
6/10/2014	72100	1198	TALFON STEVEN W	2	26,45	8.53	\$14,62	103007	
6/16/2016	72100	1012	TRACK-HERBICIDE	1	42.03	0.53		\$22.27	
Read Id - 0025	044 50565	dONS 80	OAD						
Activity 5d -400	Berbicid	Treates	ter l						
Read District	-3			1000	10000	1000			
6/12/2016	72104	1198	TALFON STEVEN W	2	-26.45	0.50	\$13.23	1000	
6/17/2016	72106	1012	TRUCK-HERBICIDE	- C.	42,03	0.50		\$21.64	
Road 1d + 0025	05; SIMS	CHAPI	L CHURCH ROAD						
Activity Id. 400	Rerbicid	e Tresesso	in the second						
Road District	-4	92.5		100	1000	1.1	1000		
105/2016	72133	1230	OUTHERY THOMAS		25.66	8.50	\$7.03		
1/13/2016	72137	1013	TRUCK-HERBICIDE-2000		39.52	0.50		219.30	
Road 1d - 0025	19-; SLIG	OROAL							
Activity 5d 400	Herbield	e Treatm	ead .						
Read District	-	1222		-	1.0.00	10022	0.000		
6/38/2016	72108	1198	TALTON STEVEN W		18,22	0.76	313.85	1000	
6/20/2016	72166	1012	TRUCK-PERIOCIDE		42,03	0.76	412.00	\$31.50	
8/10/2016	72131	1198	TALTON STEVEN W		18.22	0.66	\$12.03	1000	
8/10/2016	72191	0814	PICKOP		18.07	0.66		31130	
\$/10/2016	72131	1530	GUTHERY THOMAS		15.00	0.00	\$19.34		
Road 1d - 0025	Die Smith	HCHA	HL BOAD						
Activity 5d 400	Intrincide	e Treation	ind in the second se						
Read District	-3	1.000	NAMES OF A DESCRIPTION OF	- 24		3.05			
3/36/3016	72089	1198	DALIOUN STEVEN W		18.22	2.50	240.35		
5/26/2015	12089	0814	PICKOP		19.23	2,90		548.03	
5/26/2016	72089	1330	GUTHERY THOMAS		15.66	2.90	\$39.15		
6/13/2016	73102	11998	DALION STRVEN W		49.44	0.32	210.03	4745.024	
6/13/2018	72102	1012	TRACK-PERSONAL PERSON NO		42.03			363.11	
6/15/2016	72104	1198	LALDON STEVEN W		18.22	0.0	20.88	10000	
6/13/2019	72100	1002	TAL DOWN STREAMS IN		34.44	0.43	1004.000	318.07	
923/2019	72199	1198	LALDON STEVEN W		20.43	8.29	314.62		
923/2019	12191	1012	TROUGH-SERIOGRA		39.52	8.29		307.14	
Road Id - 1925	Dec anti i	Trank.							
Activity 50 400	Increase	e i reason							
ACCOUNTS ACC	anair.	1100	THE PROPERTY AND ADDRESS OF		10.75		49.94		
4/23/2018	12062	1074	LALDON STRATES W	10	42.03	0.45	34.25	#1# 6k	
4/25/2016	221111	100.0	TRUCK - PERFORMENCE	1.0	10.01	4.17	84.95	313.11	
1018/2019	10109	100	TALION STRATES W		10.65	6.77	86.75	*****	
Provide and	10101	THE PARTY	FOR R-PERMIT		39.52	8.47		314.62	
Activity for other	Berkinste	Tractory							
Read Boat of	4	0000000							
All and a second	and a	Contraction of	CONTRACTOR DISCOURSE	10 C	14.04	1000	100.00		
418.0016	10007	1000	THE R. T. LEWIS CO.	10	47.00	0.41	30.43	1000	
41800000	231.44	1000	TAI TON STERAN W	1.2	10.00	0.00	T10.70	311.00	
17802018	20110	0014	PROPERTY OF A PR		10.51	0.60	3190.73	\$11.14	
6/28/2018	22111	1000	CETHERY TREAM		00.00	8.69	40.34		
depindents.	23124	1000	TAL TON STREETS	10	20.00	3.00	She do		
0.0479.00	121.12	11.00	CONTRACTOR OF A DAY OF A		19.00	1.00	#200.9M		

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Date	DJM	M	Description	Rate 1d	Rate	Units	Emp Cost	Eqs Cost	Mail Cost	Can Cast
Project M -28-818	HIERONIC	IDE PRO	IGRAM							1.5
Read Ed 0025	25-i SMIT	DR DRIV	τ.							
Activity Id. 401	Berhield	· Treatm	end .							
Road District	-1									
9/6/2016	72879	0814	PICKUP		18.07	2.09		\$36.14		
%6/2016	72179	1921	HERBICIDE-GARLON 3-A	GALLON	32.99	1.00			\$32,99	
9/6/2016	72179	1999	HERINCEDE-MSMA (TARG	ET GALLON	21.46	1.00			\$21.46	
W6/2016	72175	2000	WATER	GAL	0.00	36.00			50.00	
9/6/2016	32175	1530	GUTHERY THOMAS	1	15.66	2.00	\$31.32			
Road Ed - 0025	30+ 5507	H ROAL	D							
Activity H 401	Herbicki	Triste	end .							
Road District	-4		CARLEY CONTRACTOR		111255	102.01	1011-011			
55/3016	72971	1198	TALIDON STEVEN W		18.23	0.83	\$15.13	1000000		
5/5/2016	72071	0814	PICKUP	8.	19.21	6.83		\$13.99		
5/5/2016	72971	1530	GUTHERY THOMAS	8.2	15.66	6.60	\$13.00			
2/21/2016	72139	1198	TALION STEVEN W		18.22	0.71	\$12.94	Constant of Consta		
7/21/3916	72139	1012	TRUCK-HEIBICIDE	- C	29.52	0.71		328.06		
Road 14 - 0025	39-1 50N	JOILVES	IN BOAD							
Activity 14:440	Herbicid	e Tresim	end							
Road District	-1									
6/14/3016	72390	1198	TALION STEVEN W		18.22	0.58	\$10.37			
6/14/2016	72100	1012	TELCK-HERHICER		42.91	8.58		3.24.31		
Hand Ed - 0025	524 SPIC	C.E. 040	VE.							
Activity 14 -401	Berberad	e Treatmo	cal .							
Soud District			The set of the second second second	100	10.00	6.65	100.44			
4/19/2910	72958	1198	TALION STEVEN W	100	47.61	0.54	37.48	441.94		
4/19/2016	12008	1102	TRUCK-PERMIT	- 22	42.01	0.52	40.44	321.83		
219/2019	723.92	1198	TALIUS STRVEN W	100	39.25	0.56	20.70	614.01		
Band Ed 0025	TALL REEN	NY IMPO	THUS A TRANSPORT		19.00			3111.23		
Automatic Advanta	Buchield	ALC: UNK								
Arrenty in any	1	c remine								
TOTODUC	71130	1.178	TAUNIN STRUCK W		10.77	0.72	WAT IN			
2010016	23134	MARK .	THE PARTY AND DRAFTER	1.1	39.52	0.75	312.74	\$28.06		
Band Ld - 0015	55- SPOI	TSPRE	NES BOAD	2.5						
Article M. 401	Barbleld	Territor	and a second sec							
Road District	-3									
6/8/3016	72018	1110	TAUTON STEVEN W		14.22	0.91	\$14.99			
6/8/3016	73008	886.7	THE CO. AND INCOME.	10	42.01	0.94		\$38.23		
9130916	72180	1198	TALTON STEVEN W	125	18.22	0.71	\$17.94			
9/12/2016	72188	1012	TRUCK-HERBICIDE	1.1	39.52	0.71		\$28.06		
Read Ed - 0025	SL: SPRT	NGDAL	ERGAD							
Activity 1d 401	Herbleid	Trantas	ent							
Road District	.1									
6/16/2916	72393	1198	TALTON STEVEN W	¥ - :	18.22	0.58	\$10.53			
6762916	72105	1012	TRUCK-HERBICIDE	100	42.04	0.58		\$24.37		
Road Ed 0025	67-: STAN	WYNT	ERST							
Activity 1d 401	Herbicid	Treatm	tent							
Road District	-6									
4/20/2016	73959	1198	TALTON STEVEN W	E	18.22	0.15	\$10.03			
4203816	72059	1012	TRUCK-HERBICIDE	10	42.01	0.55		\$23.11		
Road Id - 0025	69 -: STAN	FORD	LOAD							
Activity 1d 401	Herbicid	Trustee	end .							
Read District	-3									
6/6/2016	72895	1198	TALTON STEVEN W	10.0	18.22	0.91	\$16.39			
6/8/2016	72098	1012	TRUCK-HERINCIDE	1	42.01	0.91		\$35.23		
9142016	72182	1198	TALTON STEVEN W	F	18.22	0.77	\$14.03			
9/14/2016	72182	1012	TRUCK-HERBICIDE	1	39.52	0.77		\$30.44		
Hand Id - 0025	71-; STAT	ONRO	AD							

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Project J34 H5 ARRENDOU PROCESS Road J - 20257 - STATON ROAD Acting J - 41 Horisoft Treasment Road J - 2025 - 137 HORISON HOLD Road J - 2025 - 138 HORISON HOLD Road J - 2025 - 139 HORISON HOLD ROAD HO	Date	0.014		Description	Rule 14	Rate	their	Ener Cost	Ers Cort	Mat Cost	Con Con	
Base 44 - 90373-4 - STACKY REALD Notice 1	Project M . 25.018	160EBLEC	IDE PRO	ICEAN .								
Article Testamoti Bard Residue Testamoti Rest Residue Testamoti T	Road Id - 00251	714 STAT	ON BO	AD								
NALION J VALUATION J TALENDA STEVENIN W I LAZIA LASIA SALIA VALUATION J TALENDA STEVENIN W I LAZIA LASIA SALIA VALUATION J TALIAN STEVENIN W I LAZIA LASIA SALIA VALUATION L TALIAN STEVENIN W I LAZIA LASIA SALIA VALUATION L TALIAN STEVENIN W I LAZIA LASIA SALIA VALUATION L TALIAN STEVENIN W I LAZIA LASIA SALIA VALUATION L TALIAN STEVENIN W I LAZIA SALIA SALIA VALUATION L TALIAN STEVENIN W I LAZIA SALIA SALIA VALUATION STEVENIN W I LAZIA LAZIA SALIA SALIA VALUATION STEVENIN W I LAZIA SALIA SALIA SALIA VALUATION STEVENIN W I LAZIA SALIA SALIA SALIA VALUATION STEVENIN W I LAZIA SALIA	Activity M 400	therbicide	Treatme	and a second sec								
44.2015 72109 1178 TALTON STEVEN W 1 4.22 4.55 52.41 81.0215 2131 118 TALTON STEVEN W 1 4.22 4.64 51.48 81.0215 2131 118 TALTON STEVEN W 1 11.22 4.64 51.43 81.0215 72137 1184 TALTON STEVEN W 1 11.22 6.55 51.31 91.02015 72197 1184 TALTON STEVEN W 1 11.22 6.55 51.31 80.01 90375 72197 1184 TALTON STEVEN W 1 11.22 6.55 51.31 91.01014 72195 1184 PALTON STEVEN W 1 11.22 6.55 51.61 91.01014 72195 1184 PALTON STEVEN W 1 11.22 6.55 51.61 91.01014 72195 1184 PALTON STEVEN W 1 11.22 6.55 51.61 91.01014 72195 1184 PALTON STEVEN W 1	Road District	.3										
elicionis 72100 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010 7010	6/21/2016	72309	1198	TALTON STEVEN W	1.1	18.22	0.55	\$10.09				
HIGOIDIA 2151 118 TALON STEVENS W 1 11.23 6.46 512.89 BIRODIA 2153 153 GUTDERY TELONAS 1 1566 6.66 516.39 SCRODIA 21697 1187 TALON STEVENS W 1 1526 6.55 516.49 SCRODIA 21697 1187 TALON STEVENS W 1 1522 6.55 52.14 Bael DI - 00527.5 STEED THENEST 1 102.2 6.59 39.41 STIGOINS 72199 1187 TALON STEVENS W 1 102.2 6.59 39.41 STIGOINS 72199 1187 TALON STEVENS W 1 102.2 6.53 52.31 STIGOINS 72199 1187 TALON STEVENS W 1 102.2 6.75 51.430 STIGOINS 72199 1187 TALON STEVENS W 1 102.2 6.75 51.430 STIGOINS 72197 1187 TALON STEVENS W 1 102.2 6.75 51.430 </td <td>6/21/0816</td> <td>72109</td> <td>1012</td> <td>TRACK-HERBICIDE</td> <td>1.1</td> <td>42.01</td> <td>0.55</td> <td></td> <td>\$23.11</td> <td></td> <td></td>	6/21/0816	72109	1012	TRACK-HERBICIDE	1.1	42.01	0.55		\$23.11			
NH 0216 71/3 084 PCCUP 1 81/6 64/6 51/19 NH 0216 72/97 1185 TALCON STEVEN W 1 112.2 6.35 516.34 S02016 72/97 1185 TALCON STEVEN W 1 112.2 6.35 516.34 S02016 72/97 1187 TALCON STEVEN W 1 112.2 6.57 521.34 Anality M and IN Probabit TENDEN HERENEE 1 92.1 6.90 52.31 S012016 72/97 0.014 PECUP 1 12.2 6.50 52.31 S012016 72/97 0.014 PECUP 1 10.2 6.55 52.31 S012016 72/97 11.30 72.105 10.80 72.32 53.0 52.31 S012016 72/97 11.90 72.105 10.80 72.32 53.0 52.31 S012016 72.197 118 7ALTON STEVEN W 1 13.2 6.37 513.4 S01	8/10/2016	72151	1198	TALFON STEVEN W	1 C	18.22	0.66	\$12.03				
Bit 02016 72191 1181 TALDON STUNNEN 1 1.5.6 8.6 316.24 Bits 01 72197 1182 TALDON STUNNEN 1 12.2 6.35 \$16.09 Basel 01 9052715 STUDIN STUNNELAKE BOAD 1 12.2 6.35 \$21.34 Basel 01 905277 STUDIN STUNNELAKE BOAD 1 11.22 6.50 30.44 STUDIN 72106 1018 7ALTON STEVEN W 1 11.22 6.50 30.44 STUDIN 72106 1188 7ALTON STEVEN W 1 11.22 6.35 \$10.01 STUDIN 72106 1188 7ALTON STEVEN W 1 11.22 6.35 \$10.31 STUDIN 72106 1188 7ALTON STEVEN W 1 11.22 6.35 \$10.30 STUDIN 72106 1188 7ALTON STEVEN W 1 11.22 6.35 \$10.40 STUDIN 72107 1188 7ALTON STEVEN W 1 11.22 1.35 \$10.40 STUDIN 72107 1189 7ALTON ST	8/10/2016	721.53	0814	PICKUP.	E 2	18.07	8.66		511.99			
9202016 22107 1198 TAUCE MERINER 1 12.2 6.55 \$10.00 9202016 7107 1002 TAUCE MERINER 1973 6.55 \$21.34 Base Lo - 00272- STEED, PLANT LAKE ROAD 1002 6.55 \$21.34 Anteiny 14 off Merinke Treasment 1022 6.50 \$23.4 STL0016 72976 118 TAUTON STERVEN W 1 102.2 6.50 \$3.33 STL0016 72976 1180 TAUTON STERVEN W 1 102.2 6.97 \$14.60 64.20164 72100 1180 TAUTON STERVEN W 1 102.2 6.97 \$14.60 64.20165 72107 1180 TAUTON STERVEN W 1 102.2 6.97 \$14.60 8120316 72107 1180 TAUTON STERVEN W 1 102.2 6.97 \$14.60 8120316 72107 118 TAUTON STERVEN W 1 102.2 \$12.60 \$12.14 8120316 72107 118	8/10/3016	72353	1530	GUTHERY THOMAS	1.1	15.66	0.66	\$10.34				
920016 721/9 102 TRACL-HERREDE 1 95.2 8.55 522.39 Auteinty JA 467 Berlinskin Treatment 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	9282016	721997	1198	TALFON STEVEN W	1 B	18.22	8.55	\$10.00				
Basel De - 90272-: STREL FLANT LAKT KOND Activity 4 9018 Berkinde T-sensenes Beel Desine -3 511.0014 72016 0118 TALTON STRVIDY 1 1 021 020 55 5211 511.0014 72016 120 0118 TALTON STRVIDY 1 1 021 020 55 5211 642.2016 72100 140 TALTON STRVIDY 1 1 022 025 51080 642.2016 72100 140 TALTON STRVIDY 1 1 022 025 51080 642.2016 72100 140 TALTON STRVIDY 1 1 022 025 51080 642.2016 72100 140 TALTON STRVIDY 1 1 022 025 51080 815.0016 72107 140 TALTON STRVIDY 1 1 022 025 51080 815.0016 72107 140 TALTON STRVIDY 1 1 022 025 51080 815.0016 72107 140 TALTON STRVIDY 1 1 022 025 51080 802.0016 72107 140 TALTON STRVIDY 1 1 022 025 51080 802.0016 72107 140 TALTON STRVIDY 1 1 022 025 51080 802.0016 72107 140 TALTON STRVIDY 1 1 022 025 51080 802.0016 72107 140 TALTON STRVIDY 1 1 022 020 120 802.0016 72107 140 TALTON STRVIDY 1 1 022 020 120 802.0016 72101 020 020 020 020 020 020 020 020 020	9082916	72197	1012	TRUCK-HERBICER	1 C	. 39.52	0.55		\$21.34			
Advise Testment Seed Easing Service Total Service	Boad Ed - 00257	72-1 STER	L PLAN	IT LAKE ROAD								
Biologia - J STATUCH - J Statuch -	Activity 3d 401	Herbicide	Treatm	end								
Shi Datis 720% 118 TALTON STEVEN W 1 18.22 8.9 9.11 Shi Datis 720% 139 01718KY THKMANS 1 15.60 50.80 33.41 643.0316 72109 1187 TALTON STEVEN W 1 16.22 6.35 51.60 643.0316 7110 1197 TALTON STEVEN W 1 16.22 6.75 51.60 815.0316 71105 1187 TALTON STEVEN W 1 16.22 6.77 513.50 815.0316 71177 1187 TALTON STEVEN W 1 18.22 1.18 51.66 51.19 815.0316 71177 1187 TALTON STEVEN W 1 18.22 1.11 51.26 916.01 91.571-S STELLER STATTON STEVEN W 1 18.21 1.11 51.26 91.010 1198 TALTON STEVEN W 1 18.22 1.11 51.73 91.010 1198 TALTON STEVEN W 1 18.22 1.11 51.73 </td <td>Road District</td> <td>-3</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Road District	-3										
M103016 TOPS 01414 PCRUP 1 PC3 5.00 3544 6130016 72009 1185 TALTON STEVEN W 1 15.20 5.50 523.31 6230016 72109 1185 TALTON STEVEN W 1 16.20 6.55 523.31 6230016 72105 1185 TALTON STEVEN W 1 16.22 6.55 534.49 8155016 72105 0144 PCCCP 1 8.67 67.7 512.66 8155016 71177 1185 TALTON STEVEN W 1 18.22 6.55 516.03 9155016 71177 1187 TALTON STEVEN W 1 18.22 8.55 516.03 9155016 71171 1187 TALTON STEVEN W 1 18.22 1.11 521.26 800016 71171 1187 TALTON STEVEN W 1 18.22 1.11 521.23 900016 71191 1130 GATHERY THKMAAS 1 15.66 1.11	5/11/2016	72976	1198	TALTON STEVEN W	E	18.22	0.50	\$9.14				
S1120116 72076 15.30 GUTHERY THICHANS 1 55.60 5.33.8 62120164 72109 16.2 TRALTON STEVEN'N 1 16.22 6.75 514.40 8152016 72155 116.8 TALTON STEVEN'N 1 16.22 6.77 512.46 8152016 72155 116.8 TALTON STEVEN'N 1 16.22 6.77 512.46 8152016 72177 116.2 10.77 512.46 1 16.22 1.16 1 8152016 72177 1178 TALTON STEVEN'N 1 18.22 8.35 521.26 910016 700757 11782 TALTON STEVEN'N 1 18.22 1.11 520.23 910016 70074 1178 TALTON STEVEN'N 1 18.22 1.11 520.23 910016 70074 1178 TALTON STEVEN'N 1 18.22 1.11 520.23 910016 70074 1180 00.07111814711000405 1 1.12	5/13/3036	72036	0814	PECKUP	E	19,21	0.50		39.44			
dol 2010 1198 TAUTON STEVEN W 1 18.22 6.55 S23.31 dol 2010 6210 BILSCAP 1 16.20 6.55 S23.31 815/2016 72105 1198 TAUTON STEVEN W 1 16.22 6.77 \$11.60 815/2016 72125 1018 PRACOP 1 16.22 6.77 \$12.60 815/2016 72177 1198 TAUTON STEVEN W 1 18.22 6.55 \$16.60 918/2016 72177 1198 TAUTON STEVEN W 1 18.22 6.55 \$16.60 918/2016 72177 1198 TAUTON STEVEN W 1 18.22 6.55 \$16.60 8000164 72191 1198 TAUTON STEVEN W 1 18.22 1.11 \$21.23 902016 72011 1198 TAUTON STEVEN W 1 18.20 92.33 \$22.31 902016 72011 1198 TAUTON STEVEN W 1 18.21 92.31 \$31.30	5/33/2016	73076	1130	OUTHERY THOMAS	- E .	15.66	8.50	\$7.83				
442.0316 7210 6102 TRUCK-482RECE 1 4.01 6.55 522.11 815.0216 72155 0814 PECOP 1 18.07 9.75 \$11.40 815.0216 72155 0814 PECOP 1 18.07 9.75 \$11.40 815.0216 72175 1196 AUTORISTIVE STEVEN 1 18.22 6.85 \$10.10 912.0216 72197 1192 TRUCK-ARRINGERE 1 19.52 6.85 \$10.14 912.0216 72197 1192 TRUCK-ARRINGERE 1 19.21 1.11 \$22.00 800.016 72191 1198 TALTON STEVEN W 1 19.21 1.11 \$17.38 959.016 72191 1198 TALTON STEVEN W 1 18.22 1.03 \$27.33 959.016 72191 1198 FALTON STEVEN W 1 18.22 1.03 \$27.31 959.016 72191 1198 FALTON STEVEN W 1 18.22 8.8	6/21/3016	72109	1198	TALTON STEVEN W	1 C C	18.22	0.55	\$10.03				
abis/2016 72155 1186 PALEON STEVEN V 1 14.22 0.77 \$13.00 bis/2016 72155 1136 GUTDERY THOMAS 1 15.26 0.77 \$12.00 sit/2016 72177 1148 TALION STEVEN V 1 18.22 0.55 \$10.00 sit/2016 72175 1178 TALION STEVEN V 1 18.22 0.55 \$10.00 Activity M 481 Bertholde Treatment Bood Id - 00.271 \$118 \$21.23 \$21.00 \$21.00 \$21.00 \$21.00 \$21.00 \$21.01 \$21.00 \$21.00 \$21.00 \$21.00 \$21.00 \$21.01 \$21.00 \$21.00 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 \$21.01 <t< td=""><td>6/25/3016</td><td>72109</td><td>1012</td><td>TRUCK-4ERRICIDE</td><td>1.1</td><td>42.01</td><td>0.55</td><td></td><td>\$23.11</td><td></td><td></td></t<>	6/25/3016	72109	1012	TRUCK-4ERRICIDE	1.1	42.01	0.55		\$23.11			
Bit S2016 7113 0114 PICKUP I Bit 07 67.7 512.66 S150016 72197 150 GUTINERY THOMAS I 152.6 516.69 S020016 72197 150 GUTINERY THOMAS I 152.2 6.55 516.69 S020016 72197 1502 TULCK-AEKBURGER I 92.5 6.55 516.69 S02016 70271 1788 TALTON STEVEN W I 152.2 111 522.33 S02016 70271 1798 TALTON STEVEN W I 162.2 1.9 527.33 S0202016 7198 1500 GUTINERY THOMAS I 16.22 1.9 527.31 S0202016 7198 1500 GUTINERY THOMAS I 16.22 1.0 527.31 S0202016 7198 1500 GUTINERY THOMAS I 16.22 1.0 527.31 S0202016 7191 1500 GUTINERY THOMAS I 16.22 1.0 51.40<	\$150016	721155	1198	TALTON STEVEN W		18.22	4.77	\$14.00				
Biologies Total of the product of the pro	8/15/2046	72155	0814	PICKUP	E	18.07	0.77		\$13.92			
Status Turner Transmission Turner Turner <thturner< th=""> <thturner< th=""> <thturn< td=""><td>8/15/2016</td><td>72133</td><td>1530</td><td>GUTHERY TROMAS</td><td></td><td>15.66</td><td>0.77</td><td>\$12.06</td><td></td><td></td><td></td></thturn<></thturner<></thturner<>	8/15/2016	72133	1530	GUTHERY TROMAS		15.66	0.77	\$12.06				
%282036 7137 1612 TEXEXRELARCE 1 28.52 6.35 \$21.34 Road 1d + 602573-5 STEELE STATION ROAD Activity M 440 Received Attained Trainment Second Second <td>9/38/2016</td> <td>72197</td> <td>1198</td> <td>TALFON STEVEN W</td> <td>E</td> <td>18.22</td> <td>0.55</td> <td>\$10.03</td> <td></td> <td></td> <td></td>	9/38/2016	72197	1198	TALFON STEVEN W	E	18.22	0.55	\$10.03				
Bood District - 6 Second 2017 1198 TALENDAR STEVEN W 1 S20.20 S20.20 <th colspa<="" td=""><td>9/28/2016</td><td>72197</td><td>1912</td><td>TRUCK-HERBICER</td><td>F</td><td>29.52</td><td>0.35</td><td></td><td>\$21.24</td><td></td><td></td></th>	<td>9/28/2016</td> <td>72197</td> <td>1912</td> <td>TRUCK-HERBICER</td> <td>F</td> <td>29.52</td> <td>0.35</td> <td></td> <td>\$21.24</td> <td></td> <td></td>	9/28/2016	72197	1912	TRUCK-HERBICER	F	29.52	0.35		\$21.24		
Reset District - 4 Seques 701% 188 TALEON STEVEN W I SSQ206 TOTAL SQ2001 SQ	Road Id - 00257	73-C STEE	LE STA	TION ROAD								
Band Pointer - 4 59/2016 70171 1218 TALEON STEVEN W 1 0.221 1.11 520.21 59/2016 72011 0.918 GUTHERY TROMAS 1 0.56 1.11 517.29 59/2016 72011 1208 GUTHERY TROMAS 1 15.66 1.11 517.29 59/2016 72191 1208 GUTHERY TROMAS 1 15.66 1.01 517.29 59/2016 72191 1309 OUTHERY TROMAS 1 15.20 527.31 7022016 72191 1309 OUTHERY TROMAS 1 15.22 6.30 521.49 Read Ide - 002574: STEPTENS GAP ROAD Activity 41 and Tromostroven W 1 16.22 6.30 51.30 55/2016 72071 1014 PECLIP 1 16.22 6.43 51.30 55/2016 72071 1014 PECLIP 1 16.22 6.43 51.40 55/2016 72017 1198 TALTON STEVEN W<	Activity 54 400	Berbicide	Treatm	100								
SP2066 72074 198 TALEON STRIVEN W I 18.22 1.11 S20.23 S92066 72074 0844 PCKUP I 19.21 1.11 S12.33 S92066 72074 0844 PCKUP I 19.21 1.21 S12.33 S920616 72198 1398 TALTON STRIVEN W I 18.22 1.20 S27.31 S920616 72198 0844 PCKUP I 16.06 6.0 S23.49 S920616 72191 1330 OUTHERY TROMAS I 16.22 6.85 S15.49 Read Binsterin - J J S52066 72071 1198 TALTON STRIVEN W I 18.22 6.85 S15.49 S52066 72071 1198 TALTON STRIVEN W I 18.22 1.00 S15.49 S12066 72071 1198 TALTON STRIVEN W I 18.22 1.00 S18.07 S12066 72143 1988 TALTON STRIVEN W I	Read District	-6										
SPA2066 72074 0846 PECKUP I 0721 L11 S21.33 SPA2065 72074 1396 GUTTEERY THOMAS I 15.66 1.11 S17.39 SPA2065 72198 1896 TALOON STUVEN W I 16.22 1.50 S27.31 SPA2016 72198 0814 PECKUP I 16.06 6.50 S27.31 SPA2016 72198 0814 PECKUP I 16.07 1.50 S27.31 SPA2016 72119 1390 OUTHERN THOMAS I 16.22 4.83 S15.33 SPA2065 72071 1198 TALTON STEVEN W I 18.22 4.83 S15.43 SPA2065 72071 1198 TALTON STEVEN W I 18.22 4.83 S15.43 SPA2065 72071 1390 GUTHERN THOMAS I 15.66 1.80 S15.46 SPA2065 72178 1398 TALTON STEVEN W I 18.22 2.80 <	5/9/2086	72074	1198	TALTON STEVEN W	E	18.22	1.11	\$20.23				
SM2NUS 72074 1330 GUTHERY THOMAS 1 15.66 1.11 \$17.39 \$G28/0316 72198 1081 PALTON STEVEN W 1 18.22 1.59 \$223.33 \$G28/0316 72198 1300 OUTHERY THOMAS 1 15.66 1.59 \$23.49 Read Distinct -2 SS2006 72071 1198 TALTON STEVEN W 1 18.22 6.83 \$15.13 \$552066 70711 1198 TALTON STEVEN W 1 18.22 6.83 \$15.13 \$552066 70711 1198 TALTON STEVEN W 1 18.22 1.00 \$18.22 \$552066 70711 1198 TALTON STEVEN W 1 18.22 1.00 \$18.22 \$552066 70711 1198 TALTON STEVEN W 1 18.22 1.00 \$18.22 \$512066 72143 0.01 PCCUP F 1 1.07 1.00 \$18.22 \$12066 72171 1198 TALTON STEVEN W 1 <td>5/9/2016</td> <td>12034</td> <td>0814</td> <td>PICKUP</td> <td></td> <td>19.21</td> <td>1.11</td> <td></td> <td>\$21.33</td> <td></td> <td></td>	5/9/2016	12034	0814	PICKUP		19.21	1.11		\$21.33			
SUB-0216 72198 1498 TALION STEVEN W 1 18.22 1.50 S27.33 SUB-0216 72198 014 PICOUP 1 16.07 1.59 S27.31 SUB-0216 72198 014 PICOUP 1 16.07 1.59 S27.31 Bead Id 002574+ STEPHENS GAP ROAD 1 15.66 1.59 S23.49 Bead Id 002574+ STEPHENS GAP ROAD 1 16.22 6.83 S15.33 S522066 72071 1198 TALTON STEVEN W 1 16.22 6.83 S13.40 S522066 72071 1198 TALTON STEVEN W 1 16.22 1.00 S15.85 S522066 72171 1198 TALTON STEVEN W 1 16.22 1.00 S18.07 S102066 72140 109 OUTHERY THOMAS 1 15.66 1.10 S18.07 S112066 72140 109 OUTHERY THOMAS 1 15.66 5.84 90.96	559/2016	720/74	1330	GUTHERY THOMAS		15.66	1.11	\$17.39				
9290016 7219 014 PECUP 1 18.07 1.50 \$27.11 Noad 14 - 002574: TENPINENS GAP ROAD 1 15.66 1.50 \$23.49 Activity M 481: Besthint Perstand Tenthinke Treatment 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 </td <td>9/29/2016</td> <td>72198</td> <td>1198</td> <td>TALTON STEVEN W</td> <td>E</td> <td>18.22</td> <td>1.50</td> <td>\$27.33</td> <td></td> <td></td> <td></td>	9/29/2016	72198	1198	TALTON STEVEN W	E	18.22	1.50	\$27.33				
N292016 72191 1330 OUTHERY THOMAS 1 15.66 5.00 \$23.49 Road Id - 002514: STEPHENS CAP ROAD - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - <t< td=""><td>9/29/2016</td><td>72198</td><td>0814</td><td>PICKUP</td><td>1.</td><td>18.07</td><td>1.50</td><td></td><td>\$27.11</td><td></td><td></td></t<>	9/29/2016	72198	0814	PICKUP	1.	18.07	1.50		\$27.11			
Boad Ld - 002574-: STEPHENS GAP ROAD Activity M 401: Borhickly Treatment Boad Detection - 2 SS2006 70711 1198 TALTON STEVEN W I 15.0 SS2006 72071 0144 PCXUP 1 19.21 8.83 \$15.93 SS2006 72071 0144 PCXUP 1 19.21 8.85 \$13.80 SS2006 72071 0144 PCXUP 1 19.21 8.85 \$13.80 SS2016 72071 1198 TALTON STEVEN W 1 18.22 1.00 \$18.22 S12016 72171 1198 TALTON STEVEN W 1 18.22 1.00 \$17.66 972016 72171 1198 TALTON STEVEN W 1 18.22 2.00 \$26.41 972016 72171 1198 TALTON STEVEN W 1 18.22 2.00 \$79.04 Activity Mediate Borbicide Treatment Read Ld - 002578: STONE	9/29/2016	72198	1530	OUTHERY THOMAS		15.66	1.50	\$23.49				
Activity M 481: Herbindle Treatment Boad District - 7 Fig. 2006 72071 1918 TALTON STEVEN W 1 18.22 6.83 \$13.33 552006 72071 1918 TALTON STEVEN W 1 19.21 6.83 \$13.30 552006 72071 1918 TALTON STEVEN W 1 19.21 6.83 \$13.40 \$10,006 72143 1938 TALTON STEVEN W 1 18.22 1.00 \$18.07 \$10,006 72143 1938 TALTON STEVEN W 1 18.22 1.00 \$18.07 \$10,006 72143 1938 TALTON STEVEN W 1 18.22 1.00 \$18.07 \$10,006 72143 1938 TALTON STEVEN W 1 18.22 2.00 \$36.44 \$970016 72158 1602 TSUKA-468800206 1 39.52 2.00 \$79.04 Read District -2 Activity M 481 Herbickee Treatments Read District -2 1 1.5.6	Road Ld - 00251	14: STEP	TIENS G	AP ROAD								
Read Rester - J SS2086 72071 1198 TALTON STEVEN W I 18.22 6.83 \$13.33 5952016 72071 0114 PRODP 1 921 6.85 \$13.30 5952016 72071 0114 PRODP 1 921 6.85 \$13.40 \$952016 72071 1198 GUTHERY THOMAS 1 16.22 1.00 \$18.07 \$912016 72143 0114 PRODP 1 18.07 1.00 \$18.07 \$912016 72143 0119 OUTHERY THOMAS 1 18.22 1.00 \$18.07 \$912016 72147 1198 TALTON STEVEN W 1 18.22 2.00 \$576.40 9702016 72151 1002 TRUCK-#ERREDUCE 1 39.52 2.00 \$576.40 6020165 72059 1530 GUTHERY THOMAS 1 15.66 6.38 \$94.91 42020165 72059 1530 GUTHERY THOMAS 1 15.66	Activity M 481	Berbicide	Treatme	and the second se								
SS2016 721T1 1198 TALTON STEVEN W 1 18.22 6.83 \$13.33 550016 720T1 0114 PCOUP E 19.21 6.05 \$13.05 350016 720T1 1190 OUTHERY THOMAS E 15.66 6.83 \$13.06 8102016 72143 1198 TALTON STEVEN W E 18.22 1.00 \$18.07 8102016 72143 1198 TALTON STEVEN W E 18.22 1.00 \$18.07 8102016 72143 1198 TALTON STEVEN W E 18.22 2.00 \$16.44 9702016 72178 102 TRUCK-0ERROUNDE 1 19.52 2.00 \$79.04 Read Diversion - 2 Activity M 401 Barteristic Provides Transment S10.00 GUTHERY THOMAS I 15.66 6.38 \$90.09 4202016 70091 15.00 GUTHERY THOMAS I 15.66 15.06 \$15.06 4202016 72093 <td< td=""><td>Road District</td><td>-3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Road District	-3										
5%2006 72071 0814 PECKUP 1 09.21 0.03 51.55 55/2016 72071 1510 GUTHERY THOMAS 1 15.66 0.03 \$11.00 81/2016 72143 1004 PECKUP 1 10.22 1.00 \$18.22 81/2016 72143 0014 PECKUP 1 10.20 \$18.22 1.00 \$18.22 81/2016 72143 0014 PECKUP 1 10.20 \$10.00 \$15.66 9702016 72178 1798 TALTON STEVEN W 1 18.22 2.00 \$35.44 9702016 72178 1798 TALTON STEVEN W 1 18.22 2.00 \$35.44 9702016 72178 1798 TALTON STEVEN W 1 18.22 2.00 \$376.44 9702016 72179 150 GUTHERY THOMAS 1 15.66 6.58 \$6.09 40202016 72099 1613 TRUCK - 402000000-2000 1 42.01	5/5/2016	72071	1198	TALTON STEVEN W	E	18.22	0.85	\$15.13				
35/2016 72071 1300 OUTHERY THOMAS I 15.66 6.83 \$13.00 \$1/2016 72143 1198 TALTON STEVEN W I 18.22 1.00 \$18.22 \$1/2016 72143 0814 PCKUP I 18.07 1.00 \$18.07 \$1/2016 72140 1310 OUTHERY THOMAS I 15.66 1.00 \$15.66 \$97/2016 72171 178 TALTON STEVEN W I 18.22 2.40 \$26.44 \$97/2016 72174 1012 TRUCK-0ERDICE I 39.52 2.00 \$79.94 Read 16 - 002578: STONE DRIVE I 15.66 6.58 \$9.09 #02016 72091 150 QUTHERY THOMAS I 15.66 6.58 \$9.09 #02016 72091 150 QUTHERY THOMAS I 15.66 6.58 \$9.09 #02016 72091 1510 QUTHERY THOMAS I 15.66 516.6 \$10.34 <t< td=""><td>\$/5/2006</td><td>72071</td><td>0514</td><td>PICKUP</td><td>1</td><td>19.24</td><td>4.85</td><td></td><td>\$11.95</td><td></td><td></td></t<>	\$/5/2006	72071	0514	PICKUP	1	19.24	4.85		\$11.95			
N1/2016 72143 198 TALTON STEVEN W I 18.22 1.00 \$18.22 81/2016 72143 0814 PICKUP I 18.07 1.00 \$18.07 81/2016 72143 1519 GUTHERY THOMAS I 15.66 1.00 \$15.66 97/2016 72171 1798 TALTON STEVEN W I 18.22 2.00 \$79.54 Read 16 +002576: STONE INFUE Activity 50 481 Berbickle Treatment Boad 16 +002576: STONE INFUE STONE INFU Activity 50 481 Berbickle Treatment \$15.66 6.58 \$9.09 4/20/2015 72091 1613 TRUCK-48ERBICCE-2000 I 42.01 6.38 \$9.09 4/20/2016 72093 1530 OUTHERY THOMAS I 15.66 6.58 \$9.09 4/20/2016 72187 1013 TRUCK-48ERBICCEM-2000 I 42.01 6.38 \$9.09 5/2016 72093 1613 TRUCK-48ERBICCEM-2000 I<	3/5/2016	72071	1130	GUTHERY THOMAS	E	15.66	0.83	\$13.00				
B1/2016 72143 0814 PECKUP I 18.07 1.00 S18.07 B1/2016 72143 1310 GUTHER Y THOMAS I 15.66 1.00 \$15.66 9/7/2016 72178 1798 TALION STEVEN W I 18.22 2.00 \$56.44 9/7/2016 72178 1012 TRUCKBERDUCENE I 39.52 2.00 \$79.04 Read Id +082578-r STONE DRIVE I 39.52 2.00 \$79.04 Activity 16 440 Berbickle TRUCKBERDUCENE I 39.52 2.00 \$79.04 Activity 16 440 Berbickle TRUCKBERDUCENE-3000 I 42.01 6.58 \$90.09 4/20/2016 72093 1530 GUTHER Y THOMAS I 15.66 6.58 \$90.09 5/2016 72093 1530 GUTHER Y THOMAS I 15.66 516.34 \$24.31 5/2016 72093 1530 GUTHER Y THOMAS I 15.66	8/1/2016	72143	1198	TALTON STEVEN W	1	18.22	1.00	\$18,22				
BIL2016 72140 1500 GUTHERY THOMAS I 15.66 1.00 \$15.66 9772016 72178 1198 TALTON STEVEN W I 18.22 2.00 \$35.66 9772016 72175 1012 TBUCK-4ERINCEDE I 39.52 2.00 \$79.04 Read L4 - 002576: STONE DRIVE Activity Id -401 Environment Boad District - 2	#1/2016	72143	0814	PICKUP	1	18.07	1.00		\$18.07			
9712016 72171 1798 TALTON STEVEN W I 18.22 2.00 \$36.44 9712016 72175 1012 TRUCKBERDUCEDE I 39.52 2.00 \$79.04 Read Id - 602578-: STONE DRIVE 15.66 6.58 \$99.09 Read District - 2 15.66 6.58 \$99.09 4/20/2016 72093 1530 GUTHERY THOMAS I 15.66 6.58 \$99.09 4/20/2016 72093 1530 GUTHERY THOMAS I 15.66 1.00 \$15.66 6/22016 72093 1613 TRUCKBERBUCENE-2000 I 42.01 1.00 \$42.01 6/22016 72093 1613 TRUCKBERBUCENE-2000 I 39.52 8.66 \$10.34 \$19/2016 72187 1010 OUTHERY THOMAS I 15.66 8.66 \$10.34 \$19/2016 72187 1010 TRUCKBERBUCENE-2000 I 39.52 8.66 \$10.34	8/1/2006	72143	1530	OUTHERY THOMAS		15.66	1.00	\$15.66				
9702016 72176 1012 TRUCK-DERDECE I 39.52 2.00 579.04 Read Ld - 002578-: STONE DRIVE Activity bl 401 Berbickle Treatment 579.04 Read District - 2 4/05/2015 72079 1310 GUTHERY THOMAS I 15.66 0.58 \$9.09 4/05/2015 72079 1613 700/2016-2000 I 42.01 0.58 \$24.31 4/05/2016 72079 1613 700/2016-2000 I 42.01 0.58 \$24.31 6/2/2016 72093 1530 GUTHERY THOMAS I 15.66 1.00 \$15.46 6/2/2016 72093 1613 700/2016-2000 I 42.01 1.00 \$42.01 5/19/2016 72187 1330 OUTHERY THOMAS I 15.66 8.66 \$10.34 5/19/2016 72187 1030 700/2016-2000 I 39.52 8.66 \$26.09 Read Id - 002582: STRAWHERKY HILL ROAD 40.01 \$10.20 \$26.00	97(2016	72176	11298	TALTON STEVEN W	E	18.22	2.00	\$36.44				
Read Ld + 00257%: STONE DRIVE Activity 3d 488 Berbickle Treatment Read District -2	9/7/2006	72176	1012	TRUCK-48300CRD6		39.52	2.00		\$79.04			
Activity 3d 448 Herbicite Treatment Read District - 2 4/30/2016 720/39 1330 GUTHERY THOMAS 1 15.66 6.58 \$9.09 4/20/2016 720/39 1613 THERX - HERBICIDE - 2000 1 42.01 6.58 \$9.09 4/20/2016 720/39 1613 THERX - HERBICIDE - 2000 1 42.01 6.58 \$24.01 6/2/2016 720/93 1613 THERX - HERBICIDE - 2000 1 42.01 1.00 \$42.01 6/2/2016 720/93 1613 THERX - HERBICIDE - 2000 1 42.01 1.00 \$42.01 5/19/2016 72187 1530 OUTHERY THOMAS 1 15.66 \$16.34 5/19/2016 72187 1013 THERX - HERBICIDE - 2000 1 29.52 \$56 \$26.09 Read District -2 4/18/2016 720/7 1530 GUTHERY THOMAS 1 15.66 \$44 \$643 4/18/2016 720/7 1530 GUTHERY THOMAS	Read Ld - 00251	18-1 STO?	E DRIV	R.								
Read District -2 4/30/2016 720/9 1500 OUTHERY THOMAS 1 15.66 6.58 \$9.09 4/20/2016 720/9 1613 TRACK-ABERBICIDE-2000 1 42.01 6.58 \$20.31 6/22016 720/9 1613 TRACK-ABERBICIDE-2000 1 42.01 6.58 \$20.31 6/22016 720/9 1613 TRACK-ABERBICIDE-3000 1 42.01 1.00 \$42.01 6/22016 720/9 1613 TRACK-ABERBICIDE-3000 1 42.01 1.00 \$42.01 9/39/2016 72187 13.00 OUTHERY THOMAS 1 13.66 8.66 \$10.34 9/39/2016 72187 1013 TRACK-ABERBICIDE-2000 1 39.52 6.66 \$26.09 Read 16 + 9025923: STRAWHERNY HELL ROAD Read 16.48 Bertricite/T restmeent Read 16.481 Bertricite/T restmeent Read 16.4 9025915 72057 1530 GUTHERY THOMAS 1 15.66 6.41 \$6.43 4/18/2016	Activity 1d 401	Berbicide	Treatme	teed								
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4/21/2016 72091 1013 TRUCK-HERBOCOE-2000 I 4/2.01 0.58 \$24.31 6/2/2016 72093 1530 OUTHERY THOMAS I 15.66 1.00 \$15.66 6/2/2016 72093 1013 TRUCK-HERBICODE-2000 I 42.01 1.00 \$42.01 9/19/2016 72187 1013 TRUCK-HERBICODE-2000 I 42.01 1.00 \$42.01 9/19/2016 72187 1013 TRUCK-HERBICODE-2000 I 39.52 8.66 \$10.34 9/19/2016 72187 1013 TRUCK-HERBICODE-2000 I 39.52 8.66 \$10.34 Boad I.d. + 002582 -: STRAWHERNY INCLE - 2000 I 39.52 8.66 \$26.09 Read District - 2 I 4/18/2016 72017 1013 TRUCK-HERBICODE-2000 I 15.66 6.41 \$6.43 4/18/2016 72017 1013 TRUCK-HERBICODE-2000 I 42.01 6.41 \$6.43 58/2016 72017 1013 TRU	4/30/2016	72039	1330	OUTHERY THOMAS		15.66	0.58	\$9,09				
6/2/2016 72993 1330 GUTHERY THOMAS I 15.66 1.00 \$15.66 6/2/2016 72993 1013 TRUCK-HERBICIDE-2000 I 42.01 1.00 \$42.01 9/19/2016 72187 1330 OUTHERY THOMAS I 15.66 8.66 \$10.34 9/19/2016 72187 1013 TRUCK-REDIBUCIDE-2000 I 39.52 8.66 \$26.09 Boad 1d 902582: STRAWHERNY INC. ROAD Read 15.66 6.41 \$26.09 Boad 1d 402582: STRAWHERNY INC. I 15.66 6.41 \$6.43 Activity 6d 401 Bertricide Treatment I 15.66 6.41 \$6.43 Mead Dietrici - 2 I I 15.66 6.41 \$6.43 4/18/2016 72071 1013 TRUCK-HERRICIDE-3000 I 42.01 6.41 \$6.43 58/2016 72072 1098 TALTON STEVEN W 2 25.63 1.00 \$132.23 <td>4/20/2016</td> <td>72099</td> <td>1013</td> <td>TRUCK-BERENCEPE-2900</td> <td>E</td> <td>42.01</td> <td>0.58</td> <td></td> <td>\$24,31</td> <td></td> <td></td>	4/20/2016	72099	1013	TRUCK-BERENCEPE-2900	E	42.01	0.58		\$24,31			
6/2/2016 72093 H13 TRUCK-HERRICENE-2000 I 42.01 1.09 \$42.01 9/19/2016 72187 130 OUTHERY THOMAS I 15.66 6.66 \$10.34 9/19/2016 72187 1013 TRUCE-REDIBUCIDE-2900 I 39.52 6.66 \$10.34 Second 1d 902582: STRAWHERNY INLE. ROAD I 39.52 6.66 \$10.34 \$26.09 Read Diversit -2 -4/16/2016 Treatment III. ROAD III. ROAD 4/16/2016 72097 1030 OUTHERY THOMAS I 15.66 6.41 \$6.43 4/16/2016 72097 1033 TRUCK-HERRICIDE-2000 I 42.01 6.41 \$6.43 4/16/2016 72017 1013 TRUCK-HERRICIDE-2000 I 42.01 6.41 \$6.43 58/2016 72017 1013 TRUCK-HERRICIDE-2000 I 42.01 6.41 \$17.25 58/2016 72072 1098 TALTON STEVEN W <td>6/2/2016</td> <td>72093</td> <td>1330</td> <td>OUTHERY THOMAS</td> <td>E</td> <td>15.66</td> <td>1.00</td> <td>\$15.66</td> <td></td> <td></td> <td></td>	6/2/2016	72093	1330	OUTHERY THOMAS	E	15.66	1.00	\$15.66				
S/19/2016 72187 130 OUTHERY THOMAS I 15.66 8.66 \$10.34 S/19/2016 72187 1013 TRUCKBEDEBICEDE-2000 I 39.52 8.66 \$10.34 Boad 1d + 002582+: STRAWHERNY IIILE. ROAD I 39.52 8.66 \$26.09 Read 1d + 002582+: STRAWHERNY IIILE. ROAD I 39.52 8.66 \$10.34 Read Electricit -2 I I 15.66 6.41 \$6.43 4/16/2016 72057 1530 GUTHERY THOMAS I 15.66 6.41 \$6.43 4/16/2016 72017 1013 TRUCKBERRICIDE-2000 I 42.01 6.41 \$17.25 58/2016 72017 1098 TALTON STEVEN W 2 25.43 3.00 \$132.25	6/2/2016	72099	1013	TRUCK-RERBICIDE-2000	F	42.01	1.00		\$42.01			
S/19/2016 72187 1013 TRUCKBEDEDICIDE-2000 I 39.52 8.66 \$26.09 Boad 1d + 002582s: STRAWHERNY III LL ROAD Activity Id 401 Bend Testsicide Treatment 50.00 I 39.52 6.66 \$26.09 Read District -2 4/16/2016 72057 1530 OUTHERY THOMAS I 15.66 6.41 \$6.43 4/16/2016 72017 1013 TRUCK-BERRICIDE-2000 I 42.01 6.41 \$17.25 56/2016 72017 1013 TRUCK-BERRICIDE-2000 I 42.01 6.41 \$17.25	\$/79/2016	72187	1330	OUTHERY THOMAS	1	15.66	8.65	\$10.34				
Boad 1d + 002582:: STRAWHERNY IIILL ROAD Activity Id. 400 Berbicide Treatment Road District -2 4/16/2016 72053 1530 OUTHERY THOMAS 1 15.66 6.41 \$6.43 4/16/2016 72017 1013 TROCK-HERRICIDE-2000 1 42.01 6.41 \$17.25 56/2016 72072 1198 TALTON STEVEN W 2 25.45 1.00 \$132.25	5/79/2016	72187	1013	TRUCK-HEDIBICIDE-2900	1	39.52	0.66		\$26.09			
Activity M 481 Berthicide Treatment Road Electricit -2 4/16/2016 72053 1530 GUTTHERY THOMAS 1 15.66 0.41 \$6.43 4/16/2016 72057 1013 TROCK-BERRICIDE-2000 1 42.01 0.41 \$17.25 56/2016 72072 1198 TALTON STEVEN W 2 25.45 3.00 \$132.25	Road 1d - 00250	GA STRA	WHERE	IV HILL BOAD								
Read Electricit -2 4/18/2016 72057 1530 GUTTHERY THOMAS I 15.66 0.41 \$6.43 4/18/2016 72057 1013 TRUCK-BERRICIDE-3000 I 42.01 0.41 \$17.23 5/6/2016 72072 1198 TALTON STEVEN W 2 25.43 3.00 \$132.25	Activity 54, 461	Berbicide	Treatme	cel .								
4/18/2016 72057 1530 GUTHERY THOMAS I 15.66 0.41 \$6.43 4/18/2016 72057 1013 TRUCK-BERRICIDE-3000 I 42.01 0.41 \$17.25 56/2016 72072 1198 TALTON STEVEN W 2 25.45 3.00 \$132.25	Read Electricit	-2	19-12									
4/18/2016 72017 1013 TRUCK-BERRICIDE-2000 1 42.01 6.41 \$17.25 5/6/2016 72072 1198 TALTON STEVEN W 2 25.43 3.00 \$132.25	4/18/2016	72053	1530	OUTHERY THOMAS	1	15.66	8:41	\$6.43				
5/6/2016 72072 1198 TALTON STEVEN W 2 25.45 1.00 \$132.25	4/38/2016	72017	1013	TRUCK-HERRICIDE-3000	1	42.01	0.41		\$17.25			
	5/5/2016	72072	1198	EALTON STEVEN W	2	25.45	3.00	\$132.25				

Bate	DIM	M	Description	Bate M	Rate	Units	Emp Cost	Equ Cost	Mat Cert	Can Cast
Project Id -28-818	HERENC	IDE PRO	GRAM	141424						
Road Id - 0025	82-: STRA	WBERT	IV HILL ROAD							
Activity 3d 401	E Herbicide	e Treatma	ent in the second s							
Road District	-1									
5/6/2016	72072	0814	PICKUP	1.	19.23	5.00		\$96.05		
5/6/2016	72972	1530	OUTHERY THOMAS	2	22,81	\$.00	\$114.05			
3/13/2018	7397#	1198	TALEON STEVEN W	2	26,45	2.50	\$66.13			
2/13/3016	72078	0834	PICKUP		19.24	2.50		20100		
7/17/3018	72078	1300	GUTHERY THOMAS		22.88	2.50	\$57.00			
6/24/2016	72112	1330	OUTHERY THOMAS		22.81	0.52	311.80			
624/2016	121.12	1053	TRUCK-HERINKER-2000		42.01	9.51	******	MUR		
7/20/2016	72830	1198	TALDON STRVEN W		18.72	1.50	\$27.35			
2020/2014	72133	0804	PRACE		18.01	1.90		347.51		
100/0016	221.63	1100	CONTRACT THUSANS		12.00	0.20	814.00			
8/15/2018	72533	1198	TALION STEVEN W		18.22	4.77	\$14.00	611.43		
8/15/2010	72135	0824	CHINERY THOMAS		15.44	10.77	412-04	-417.04		
8/15/2019	128.50	1100	CONTRACT LINCOMOS		15.66	0.45	80.34			
913/2016	221.00	1000	THERE AND		39.43		27,04	\$21.32		
Band Id. , 0025	AL STYL	ES BRI	DOF BOAD		10.04	1.000				
Autoin M dit	i Blackick	. Transie								
Bond District										
576/0016	21085	1108	TAUTON STEVEN W	1.1	18.72	2.50	545.55			
1060016	72089	0814	PCKUP		19.21	2.50		\$48.00		
3/26/2016	72089	0912	HERBICIDE - ROUNDUPOULS	GALLON	14.49	0.50			\$7.25	
\$26/3916	72089		Salara-dra component-lite		0.00	2.00			\$0.00	
1/26/2016	72089	2000	WATER	GAL	0.00	48.00			50.00	
5060016	72089	1100	GUTHERY TROMAS	E	15.66	2.50	\$39.15			
2/18/2016	72831	1100	OUTHERY THOMAS		11.66	8.66	\$10.34			
7/18/2016	72130	1003	TRUCK-HERBICIDE-2000	1.1	39.52	0.66		\$26.09		
9/15/2016	72183	1536	ORTHERY TROMAS	1.1	15.66	0.50	\$7.83			
915/2016	72183	1013	TRUCK-HERBICIDE-2000	1.5	39.52	0.50		519.36		
Read Ed - 0025	85-: SUR	RBANT	DRIVE							
Activity 14 -401	I Herbick	Treatm	100							
Road District	1-1									
8/30/2016	72168	1198	TALTON STEVEN W	1.5	18.22	0.71	\$12,94			
8/30/2016	72168	0814	PICKUP	100	18.07	0.71		\$12.83		
8303916	72168	1530	GUTHERY THOMAS	8.7	15.66	0.71	\$11.13			
Read Ed - 0025	874 SUM	ATANG.	AROAD							
Activity 14, 40	1 Merbicid	e Trestee	test (
Road District	t-4									
4/26/2016	72963	1196	TALTON STEVEN W	E	18.22	0.59	\$9.11			
4/26/2016	72063	1012	TRUCK-HERBICIDE		42.01	0.58		\$21,01		
5913(2016	72876	1198	TALION STEVEN W	- C	18.22	0.50	\$9.11			
5110016	72976	0814	PICICUP	1.5	19.21	0.50	22.2	\$9.61		
5/11/20106	72876	11590	GUTHERY THOMAS	- K.S.	15.66	0.59	\$7.83			
7/18/2016	72034	1158	TALTON STEVEN W		18.22	0.37	\$6.75			
7182116	72139	1012	TRUCK-HERINCER		39.52	0,37		204.03		
Hand 5d - 9025	ANT SUM	MERSE.	LANE							
Activity 14 40	I Herbició	e Treatm	call.							
Raud District	1-2	1.100	Service and the service of the servi	2.17	1000	10224	400.00			
7/27/2016	32139	1198	TALION STEVEN W	- 20	18.22	0.78	317.94	1000		
7/27/2016	721.39	1012	TRUCK-HERBCIDE		39.52	0.11		323.09		
Hand by - 0025	1 11 11 11 11 11 11 11 11 11 11 11 11 1	SET TRA								
Artivity 1d 40	I Herbecki	Treate								
Road District		-	TAL IN A STREET, NO.		10.00	0.00	£10.01			
6/2112000	12199	1155	THEFT, DEPENDENCE		10.22	0.50	110.00	875.14		
002112000	72109	1100	TAUX N-TREASES IN	1.1	18.22	0.10	\$10.00			
WORLDOOD	TT1AL	1196	TATION STRATE &		18.22	9.52	214.85			

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Date	DUM	14	Description	Rate Id	Rain	Units	Emp Cost	Eqn Cost	Mat Cost	Cos Cos
Project M -28-818	HERDIC	IDE PRO	GRAM	20.00						
Read Id - 0025	197-: SLINS	ET TRA	AIL.							
Activity Id. 40	I Herthield	e Trentme	cut							
Road District	1.3									
9/28/2016	72197	1012	TRUCK-HERBICIDE	1.	39.52	6.55		\$21.74		
Read 14 - 0025	994 SUTI	ION BRI	DGE BOAD							
Activity 14 400	I Herbiciá	Treatme	ew!							
Boaid District	t -6									
59/2016	32034	1196	TALTON STEVEN W	1. C	18.22	1.11	\$20.33			
5/9/2010	72974	0824	PICKUP	1.1	19.21	1.11		\$21.33		
5/9/2016	22074	1530	GUTHERY THOMAS	1	15.66	1.11	\$17.39			
\$232016	72162	1198	TALTON STEVEN W	1	18.72	8.52	\$9.48			
8/23/2016	72162	9814	PICKUP	1.0	18.07	0.52		\$9.40		
\$232016	72162	1530	GUTHERY TROMAS	8	15.66	0.52	\$8.15			
Read 5d - 0026	84; T.C.I	DOBBEN	SROAD							
Activity Id: 400	I Herbicki	e Treaime	test .							
Road District	t -4									
W19(2016	72187	1198	TALTON STEVEN W	1.	18.22	0.71	\$52.94			
9/19/2016	72187	1012	TRUCK-HERBETTOE	1.2	39.52	0.71		\$28.06		
Read Ed - 0026	45-: TAB	OR CUT	-062							
Activity 14 40	l Herbicid	Treatme	ent							
Road District	1-2									
7/18/2016	72131	1530	GUTHERY THOMAS	8.0	15.66	0.66	\$10.34			
7/18/2016	72131	3013	TRUCK-HERBICIDE-2000	1	39.52	0.65		\$25.09		
9/3/3916	72172	1198	TALTON STEVEN W		18.22	0.71	\$32.94			
9/2/2016	721172	0614	PICKUP	1.5	18.07	0.71		\$12.83		
9/2/2016	32172	1530	GUTHERY THOMAS	2	22.81	0.71	\$16.20			
Boad Id - 0026	06+ TAB	OR BOA	Ð							
Activity 14 40	I Herbicki	c Treatme	ret							
Road District	1.41									
4182916	72057	1530	GUTHERY THOMAS	- E.	15.66	0.41	56.43			
4182916	72957	1015	TRUCK-HERBICIDE-2000	10 S	42.01	0.41		\$17.33		
\$/5/2016	12069	1198	TALTON STRVEN W	1.5	18.22	0.88	\$16.94			
5/3/2016	73969	0814	PICKUP	- -	19.21	0.88		\$15.91		
5/3/2016	72969	0918	HERBICIDE-MSMA (TARGE)	GALLON	21.46	0.50			\$10.75	
5/3/3916	73969	2090	WATER	GAL.	0.00	60.00			\$0.00	
5/3/2916	72069	1530	GUTHERY THOMAS	1	15.66	0.88	\$13.79			
7/18/2016	32134	1530	GUTHERY THOMAS	1	15.66	0.76	\$11.91			
7/18/2016	225.81	1013	TRUCK-HERBICIDE-2000	1	39.52	0.76		\$30.04		
7/18/2016	72534	2000	WATER	GAL.	0.00	2,000.00			\$0.08	
7182916	72131	0910	HERBICIDE-MSMA (TARGE)	FGALLON:	21.46	15.00			\$321.90	
7182016	72934	0916	HERINCIDE-DR/RON 4L	GALLON.	18.00	15.00			\$270.00	
7/18/2016	22133	0928	HERBOIDE-GROUND ZERO	PINT	8.71	2.09			\$17.42	
7/18/2016	72134	8933	HERBICIDE-FOAM BUSTER	QT	11.30	0.35			\$2.40	
8/38/2016	72169	1196	TALTON STEVEN W	1.	18.22	0.95	\$10.00			
8/31/2016	72169	0614	PICKUP	- C	18.07	9.55		\$9,94		
831/2006	72169	1530	GUTHERT THOMAS	1	15.66	0.55	\$8.62			
9/15/2016	72183	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/15/2016	72:183	1013	TRUCK-HERBSCIDE-2009	1.2	39.52	0.50		\$19,76		
9/23/2016	72191	1530	GUTHERY THOMAS	2	23.81	0.55	\$12.55			
9/23/2016	72194	1913	TRUCK-HERINCIDE-2000	1.	39.52	0.55		\$21.74		
Road 6d - 9826	i05< TAL	TON CH	LCLE							
Activity Id 40	Herbicid	Trestm	rst							
Read District	1-3									
6/06/2016	72105	1198	TALTON STEVEN W	1	18.22	0.58	\$39.57			
6/16/2016	72185	1012	TRUCK-HERBICIDE	1.2	42.05	0.58		\$14.37		
Read Id - 0820	08-: TAM	MY TRA	AIL.							
Activity 1d 48	I Herbick	Treatme	ent							
Read District	1.4									

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Emp Cost Eqs Cost Mat Cost Con Cost Date 60.14 M Description Rate Id Rate Cells Project M -28-818-14EERBICIDE PROGRAM Road Ed. - 002608 -: TAMMY TRAIL Activity 1d 401 Herbicide Treatment Road District -1 6.34 \$5.96 7/14/2016 72132 1530 GUTHERY THOMAS x. 15.66 0.38 \$13.00 2/19/2016 73110 1013 TRUCK-HERBICIDE-2000 ł. 39.52 9210846 72196 1130 GUTHERY TIKIMAS E. 15.66 8.45 \$6.74 9212016 72196 1013 TRUCK-HERINCIDE-2000 Ð 39.52 8.43 \$17.09 Road Ed - 002682+ TARPLEY DR. E Activity 1d 401 Herbickle Treatment Road District -2 6/1/2016 720932 1138 **GUTHERY THOMAS** ś 15.66 8.29 \$4.35 HH3 \$12.19 6/1/2016 22082 TRUCK-HERBCEDE-2000 1 42.01 4.29 6/7/2016 72997 1530 GUTHERY THOMAS к 15.66 8.53 \$8,30 6/7/2016 72097 htc) TRUCK-HERBICIDE-2000 t 42.01 8.53 \$22.27 1150 3 22.81 8.45 \$10.33 9/23/2016 72291 OUTHERY THOMAS \$17.79 H. 39.52 8.45 923/2016 72191 HO TRUCK-HERBEIDE-2000 知时 ±136 **GUTHERY THOMAS** 1 15.66 0.36 \$5.64 908/3016 72199 HO1 TRUCK-HERBICIDE-2000 39.52 0.36 \$14.23 9/10/2016 1.... Road Ed = 003618 (TAYLOR LANE Activity 3d 401 Herbicide Treatment Road District -7 1530 15.66 6.55 \$3.35 **GUTHERY THOMAS** к 6/7/2016 72007 1 42.01 8.55 \$23.27 67/3016 73897 1013 TRUCK-HERBICEDE-2000 GUTHERY THOMAS 1 15.66 6.71 511.12 9/14/2016 72183 11.10 \$28.04 \$14/3016 72182 1013 TELCK-HERBICIDE-2000 1 39.52 0.71 Road Id - 002621< TERRELL HOAD Activity M 401 Herbicide Treatment Road District -4 26.45 0.50 \$13,23 11108 TALTON STEVEN W 2 6/24/2016 22112 42.91 0.55 \$21.00 6243816 72112 1012 TRUCK-HERBICIDE 1 Road Ed = 002626+; THOMPSON BRIDGE ROAD Activity 1d 401 Herbicide Treatment Road District -4 2 35.45 6.58 \$13.23 6/24/2016 1198 TALTON STEVEN W 72112 ı. 42.01 6.50 \$21.01 6040916 72±12 1012 TRUCK-HERBICIDE 1 18.22 0.71 \$12.94 9/16/2018 72184 1198 TALTON STEVEN W 39.52 0.71 \$28.04 1 \$160346 72184 1012 TRUCK-HERINCIDE Road Id - 002627< THORNHILL BOAD Activity 14 401 Herbicide Treatment Road District -3 0.58 6/16/2016 72105 1198 TALTON STEVEN W 1 18.22 \$10.57 42.01 0.58 \$24.37 6162016 73504 1012 TRUCK-HERBICIDE Ŧ ¥. 18.22 0.56 \$9.11 8/2/2016 72144 1198 TALTON STEVEN W 11.07 0.58 \$9.04 8/2/2014 72544 0514 PICKUP н 32144 15.66 0.38 \$7.83 \$2/3016 1150 GUTHERY THOMAS 1 Band Ed. - 002628-: THORNTON LAKES Activity 1d 401 Herbickle Treatment Road District -2 2. 22.81 6.12 \$11.87 6/24/2016 1130 **GUTHERY THOMAS** 32112 TITUCK-HERBICIDE-2000 42.61 0.52 \$21.85 н. 6/24/2016 72112 1013 Road Ed - 002630-: THRASHER ROAD Activity 1d 401 Herbicide Treatment Road District -4 18.22 0.55 \$30.03 5122916 12077 1198 TALTON STEVEN W T. 19.21 513:3916 73877 0815 PICIEUP I. 0.55 \$30.57 1 15.66 0.15 新志社 513/2016 12007 1130 **GUTHERY THOMAS** 2 26.45 0.50 111.25 624/2916 72112 1195 TALTON STEVEN W 42.01 0.50 \$21.01 6242816 72112 1012 TRUCK-HERINCIDE ł.

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Date	54.60	м	Description	Rate 14	Rate	Units	Emp Cost	Equ Cert	Mat Cost	Con Cost
Project Id -28-018	MERINE	IDE PRO	IGRAM		1.1		- 10			
Read 1d - 0026	M- THR	ASHER	BOAD							
Activity Id. 40	I. Herbield	e Trealm	end .							
Read District	1-4									
9/06/2006	T2184	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/16/2016	72384	1012	TRUCK-HERIICIDE	1	39:52	0.71		\$28.06		
Read 14 - 0926	Jie TIDA	FORE B	END BOAD							
Activity 1d 40	1 Harbicide	Treatme	test .							
Road District	1-2									
5/4/2016	12079	1156	TALTON STEVEN W	Χ.	18.22	1.00	\$18.22			
5/4/2016	72870	0614	PICKUP	1	19.21	1.00		\$19.21		
5/4/2016	32039	1530	GUTHERY THOMAS	1.5	15.66	1.00	\$15.66			
6/1/2016	72092	1530	GATTHERY THOMAS	1 C	15.66	0.29	\$4.55			
6/1/2016	72992	1013	TRUCK-HERISCIDE-3088	1.0	42,01	0.29		\$12.19		
7/28/2016	32140	1198	TALTON STEVEN W	1.5	18.22	1.00	518.22			
7/28/2016	72340	0614	PICKUP	10 C	38.07	1.00		\$18.07		
7/28/2016	72149	1530	GUTHERY THOMAS	1.5	15.66	1.00	\$15.66			
9/21/2016	32189	2530	GUTHERY THOMAS	1	15.65	0.77	\$82.06			
9/21/2006	72189	1013	TRUCK-HERBICIDE-3000	- E	39.52	0,77		\$30.44		
Boad 1d - 8026	32+ TID9	VELL BO	DAD							
Activity 14 40	1 Herbició	(Treatmo	and the second se							
Baud District	oa 👘									
6/85/2006	72104	1198	TALTON STEVEN W	8.0	18.22	0.45	\$7.84			
6/15/2016	72304	1012	TRUCK-HERBICIDE	1	42,01	0.43		\$18.07		
9/23/2016	22191	1198	TALTON STEVEN W	2	26.45	0.56	\$14.82			
9/23/2016	721991	1012	TRUCK-HERIMCEDE	1	39.52	0.56		\$22.14		
Baud 5d - 0026	33-: TILL	ISON R	DAD							
Activity Id. 40	I Herbicid	e Treatmi	test t							
Band District	6-1									
4/26/2016	12063	11198	TALTON STEVEN W	1	18.22	0.90	\$9.11			
4/26/2016	72963	1012	TRUCK-HERINCIDE	н.,	42.05	0.50		\$21.01		
Read 1d - 8026	36-; TINS	LEYSPI	RING BOAD							
Activity Id: 40	I Herbicide	Treatmo	ref							
Road District	1.4	100	19 - 11 (10 (10 (10 - 10)	312	1000	1045	1000			
7/27/2004	12139	1198	TATION STEARN M.	3	18.22	0.71	\$12.94	1000		
327/2006	72139	0912	TRUCK-HEMBICIDE	4	39.52	0,71		\$28.06		
Read 14 - 0026	374 TOB	Y ADDIA	TRAIL.							
Activity 1d 48	I Herbicid	e Treatm	end							
Basd District	F-3			210	10.00	12.22	100000			
6/23/2006	32111	1198	TALTON STEVEN W	1	18.22	0.50	39.11	211.01		
6/25/2016	72111	1012	TRUCK-HERRICHUNG	4	42.01	0.30		321.01		
Hoad Ed - 9026	38-: TOM	CATRO	ALD .							
Arrivery 1d 40	1 Herbické	r Drustma	int in the second se							
Hoad Destrict	1.2		CONTRACTOR OF THE OWNER.		10.00		60.00			
4192008	12006	15.90	COTHERY INCOMS		13.00	0.76	20.09	674 22		
415922016	7,2858	1013	TRUCK-DERISCICE-2900		42.01	9,58	*****	824.31		
3/3/2016	12001	1194	DALION STOKEN W	1	10.22	0.85	\$15.10	#17.04		
5/5/2916	72975	10314	PRESOF		19.45	0.03	413.00	\$12.90		
3/3/2016	22001	1530	GUTHERT ISIONALS		13.69	0.65	\$13.00			
6/26/2006	12112	15,90	COTHERT INCOMAS		22.81	0.52	201.87	470.00		
4/24/2004	22110	1010	TRUCK - TRUCK SCALAR		10.00	10.04	411.44	441.87		
7/2/2/20195	12135	15.90	CONTRACT INCOMES		20.01	0.29	\$1,7,49			
Arg. 21220409	72105	2100	TALKA PERMIT		10,00	0.29	107.04	MAN		
# 00 2006	12168	1190	PARTON STREET W	2	10.02	4.74	212.94	412.45		
# 7002009	22168	1014	CLUTHERY TRACAS		10.00	10.00	\$25.5°	-10.60		
Board & a service	the wire	EV DORT	ALCONDUCT DISABLAS	5.0	13.00		211.12			
Articity Id. 40	I. Herbirth	Treater	and							

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Read District -J

Date	DUM	M	Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Con
Project Id -25-818- Read Ed - 00263	HIRDO	IDE PRO	GRAM /E							
Activity 14 401	Herbicid	Treatme	red .							
Road District	-3									
6/21/2016	72109	1198	TALTON STEVEN W	1	18.22	0.55	\$10.00			
6/21/2016	72109	1012	TRUCK-HERBICIDE	1 I I	42.01	0.55		\$23.11		
8162916	72156	1198	TALTON STEVEN W	1.1	18.22	0.67	\$12.21			
8/16/2016	72156	0814	PICICUP	1.5	18.07	0.67		\$12.11		
8/16/2016	72156	1130	GUTHERY THOMAS	1.1	15.66	0.67	\$10.50			
928/2016	72197	1198	TALTON STEVEN W	1.1	18.22	0.55	\$10.00			
9282916	72197	1012	TRUCK-HERBICIDE	1.5	39.52	0.55		\$21.34		
Road Ed - 0026-	O: TRA	LWOOI	DLANE							
Activity 1d 401	Herbield	Treatme	read .							
Road District	-2									
6/3/2018	72897	1530	GUTHERY THOMAS	E.	15.66	0.53	\$8.30			
6/7/2016	73097	1013	TRUCK-HERBICIDE-2000	10 C	42.01	0.53		\$22.27		
9/26/2016	72196	1530	GUTHERY THOMAS	1.2	15.66	0.36	\$5.64			
9/26/2016	72196	1013	TRUCK-HERBICIDE-2000	1.0	39.52	0.36		\$14.23		
Boad Id - 0026-	46-c TUC	KER MO	UNTAIN ROAD							
Activity 1d -401	Herbicid	Treatme	red							
Road District	-1									
5162916	72060	1198	TALTON STEVEN W	¥	18.22	0.83	\$25.13			
576(2916	73980	0814	PICKUP	1	19.21	0.83		\$15.95		
5/16/2016	72880	1530	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
Read Id - 0026-	48+ TUM	LINCIR	CLE							
Activity 1d 401	Herbicid	Treatme	test factories and the second s							
Road District	-2									
7/19/2016	72132	1530	GUTHERY THOMAS	Π.	15,66	0.38	\$5.96			
7/19/2016	721.52	1013	TELCK-HERBICENE-2000	E	39.52	0.38		\$13.00		
9/21/2016	32196	1100	GUTHERY THOMAS	1.1	15.66	0.43	36.74			
9212816	72196	1013	TRUCK-HERBICIDE-2000	1.1	39.52	0.43		\$17.90		
Read Id - 0026-	OC TUN	LINGA	ROAD							
Activity \$2,403	Herbicid	Treatme	ief la							
Road District										
5/9/2016	72074	1198	TALTON STEVEN W	1	18.22	1.12	520.41			
5/9/2016	72974	0814	PICKUP	1	19.21	1.12		\$21.52		
59/2016	72874	1530	GUEHERY THOMAS	1	15.66	1.12	\$17.54			
Boad 14 - 00265	Ste TUR	KEY TO	WN ROAD							
Activity 1d 401	Herbicid	Treatme	and the second se							
Road District	-2									
7/19/2016	12132	1135	GUTHERY THOMAS	1	15.66	0.38	\$5,96			
7/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
9/26/2016	32395	1530	GUTHERY THOMAS	3	15.66	0.36	\$5.64			
9/26/2016	72199	1043	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
9/27/2016	12196	1530	GUTHERY THOMAS	1	15.66	9.43	\$6,74			
9/27/2006	72196	. 1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road 8d - 0026	SI- TUR	KEY TO	WN GAP ROAD							
Activity Id. 481	Herbicid	e Treatmi	ret							
Road District	-2									
6/3/2016	72095	1530	GUTHERY TROMAS	1	15.66	1.00	\$15.66			
6/2/2914	72993	1013	TRUCK-HERBICIDE-3000	1	42.01	1.00		\$42.01		
9192006	12187	1530	GUTHERY TROMAS	1	13.66	0.66	\$19.34			
9/19/2006	323 KT	3013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
Boad 14 - 0026	55+: TUR	NER LA	NE							
Activity Id 481	Herbicid	Treatm	rad							
Band District	-2.									
9/1/2016	15111	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
9/1/2016	72171	0614	PICKUP	1	18.07	0.43		\$7.78		
9/1/2016	72171	1530	GUTHERY THOMAS	1	15.66	9.43	36.74			

Finite	DIN	14	Description	Bair M	Wate	Children .	East Cost	East Cost	Mat Cost	Con Con
Project Id -28-018	LINCREAC	IDE PRO	GRAM	ALC: U			Long Cone	ada com		
Road Id - 0036	S6+ TUR	VER MO	UNTAIN BOAD							
Activity M 40	I Herbicidi	Treatme	cet.							
Road District	r-t									
4/4/2016	73946	1536	GUTHERY THOMAS	1.	15.66	6.77	\$12.06			
4/4/2018	72046	1013	TRUCK-HERBICIDE-2000	1.5	42.03	6,77		\$12.35		
7/21/0014	72134	1130	GUTHERY THOMAS	1	15,66	8.90	\$14.88			
3/21/2016	22134	1013	TRUCK-HERISCEDE-2000	1	39.52	0.90		\$15.57		
9/2/2016	73173	1198	TALTON STEVEN W	1 - E	18.22	6.71	\$12.94			
9/2/2016	72172	0824	PICKUP	E	18.07	0.71		\$12.83		
9/2/2016	72172	1530	OUTHERY THOMAS	2	72.81	0.71	\$16.20			
Road Id - 0036	SS-: TUR	VER RO	AD							
Activity Id 40	i Herbicidi	Treatme	net .							
Road District	t-d									
5/5/2016	72071	1198	TALTON STEVEN W	1.1	18.22	4.83	\$15.13			
5/5/2018	72071	0814	PICKUP	F	19.21	0.83		\$13.95		
5/5/2016	72071	1150	GUTHERY TIKMAS	1.5	15.66	6.83	\$13.00			
Road Ed - 0036	61-: 1912	SPRIN	GS DRIVE							
Activity 1d -40	Berbicid	Treatme	ter l							
Road District	-2									
\$5,0016	72069	1228	TAUTON STEVEN W	1.1	18.22	0.75	\$13.95			
5/5/2016	72060	0824	PICKUP		19.23	6.36	12.23	\$14.60		
5/3/2016	72568	1130	CUTHERY TROMAS		15.66	0.26	\$11.94	103003		
6787016	22115	1198	TALINIA STEVEN W		18.72	8.99	\$10.75			
4/28/2014	72115	087.4	PROVIDE ALL PROVIDE		19.22	0.59	410.14	\$11.34		
4/14/1014	21114	4110	CUTTORS V TINGALAS		15.46	0.99	\$9.74			
Band Id - 00%	ALL INT	CRIMINO C	DEGAD		12.000					
Autority 14 and	Marchinet,	Tomas	o hours							
Band Distained	1 Increaces	C I CENING								
AND DESCRIPTION	71400	1100	TAX TON PTERMIN IN	122	100.000	1.11	810.00			
6222020	10000	1000	THE PLACE AND THE PLACE P		45.61	0.02	attents	871.01		
0/22/2010	101102	1100	THE REAL PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDR		16.15	0.55	510.00	44.11		
90202019	72109	1000	TALIUS SILVES &		10,00	6.00	4140.40	411.14		
Bund Ed., mild	12190	N CHILL	TRUE ROAD		39.25	6.35		201.74		
Autority 14 all	and the state									
Activity of sev	i marpicia	C A PERSONAL								
Road District	- d		NAMES AND ADDRESS OF TAXABLE ADD	10		4.00	#14 AM			
6/8/2016	220998	1198	TALFON STEVEN W		43.44	6.44	310-39	ene 15		
0/0/2016	120/98	1112	THOUGH AN AND AND AND AND AND AND AND AND AND	2.0	10.01	6.99	******	202.27		
9142016	10100	1198	TALVEN STEVEN W		18.22	0.07	314.02			
914/3016	72100	1012	TRUCK-HEBORCER		39.52			2.0(.44		
Read Ed - 00.36	764 VAL	LET ST	G.F.I							
Activity 52 -40.	1 Berbica	C 3 PEARING	141							
Boad District	1.00		CONTRACTOR OF TAXABLE AND		1000	1.0.00				
4/5/2016	720992	1330	OUTHERY TIKIMAS		13.60	0.29	34.30			
6/5/2016	72092	100.3	TRUCK-HERBICEDE-2000	100	42.01	0.29		312.19		
AU313819	73180	1300	OUTHERLY DRIMAS		15.60	2.09	\$78,30	A		
912/2016	72180	1001	TRUCK-PLATHED CIEW	1252	27.92	3.00		\$139.64		
912/2916	72180	.2000	WATER	GAL	0.00	2,000.90			36.00	
912/2016	72180	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	30.99			2069.20	
Road Ed - 0026	284 VAL	LEYVER	WCIRCLE							
Activity M 40	Elerbició	Treatm	int int							
Road District	(H)									
4/4/3016	73946	1530	GUTHERY THOMAS		15.66	0.77	\$52.06			
4/4/2016	72046	1012	TRUCK-HERBICIDE-2000	E	42.01	0.77		\$32.35		
7/21/2016	72134	1530	GUTHERY THOMAS	1 .	15.66	0.90	\$54,10			
7/21/2016	72134	1013	TRUCK-HERBICIDE-2000	1 C	39.52	0.90		\$35.57		
Road Id - 0026	834 VAD	GHN DR	IVE							
Activity 14 -49	1 Herbició	Treatme	Did I							
Rank Weighter										

PAGE 90 OF 138

Date	DIM	M	Description	Rate M	Bate	Units	Emp-Cost	Equ Cost	Mat Cost	Can Cest
Project ld -28-018 Road Id - 0026	AREARIC	IDE PRO	GRAM							
Activity 3d 401	Herbicide	Treatme	the second se							
Road District	-2									
4/21/2016	73568	1530	CETHERY THOMAS	L	15.66	0.66	\$16.34			
4/25/2016	72060	1013	TRUCK-RERBICIDE-2000	1	42.01	0.66		\$27,73		
1/28/2016	72140	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
3/38/3016	72140	0814	PICKUP	L	18.07	1.00		\$18.07		
1/28/2016	72840	1330	OUTHERY THOMAS		15.66	1.00	\$15.66			
9/1/2016	72179	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
93/2016	72171	0814	PICKLIP	10	18.07	0.43	1000	\$2.78		
9/1/2016	77171	1110	CEITHERY TROMAS	1.	15.66	0.43	\$6.74	0.000		
STRONGS.	22183	1430	CETTINENY THEMAS		15.66	0.50	\$7.83			
6050046	10183	1012	TRUCK DEDUCTION 1999	1.5	98.42	0.50		\$29.76		
Read Id - DOM	BAL VAR	GEN LA	NE					arrest a		
Autom 14 and	Barbinit	Territory								
According to and	The second	c areacase								
Boosd Destruct		a single	The and increased of the Property lines of the	1.1	10.00	4.74	811.88			
6/20/2014	72108	1198	TALTON STEVEN W		10.00	0.70	313.85	10000		
6/20/2019	72100	100.2	TRUCK-PERMICHN		42.03		10000	341.50		
9/23/2016	72198	1198	LALION STEVEN W		18.22	0.45	34.24			
9/23/2018	72196	1012	TRUCK-HERIOCUS		99.52	8.45		20.04		
Road Id - 0026	85< VAD	GREN MO	AD							
Activity Id 400	Horbicid	Trues	ad .							
Road District	-4	10.01	1.018 (1910) 10.020 (All	3.5	10.785	1236	(13)10			
5/12/2916	72977	1198	TALTON STEVEN W		18.22	0.55	\$10.03	10000		
3/12/2016	72077	0815	PICKUP		19,21	0.55	\$22.1	\$10.31		
5/12/2016	72077	1530	OUTHERY THOMAS	1.	15.66	6.55	\$8.62			
8/22/2014	72863	1198	TALFON STEVEN W	1	18.22	1.00	\$18.22			
8/22/2016	72168	0814	PICKUP	E	18.07	1.00		\$18.07		
8/23/2016	72863	\$530	GUTHERY THOMAS	E	15.66	1.00	\$15.66			
Road 1d - 0036	02+ VINV	ARD RO	DAD							
Activity M 400	E Berbició	(Treatme	cad .							
Read District	-2									
5/2/2016	73068	1198	TALTON STEVEN W	E	18.22	1.00	\$18.22			
5/2/2016	72068	0814	PICKUP	1	19.21	1.00		\$19.21		
5/2/2016	73968	1150	OUTHORY THOMAS	1	15.66	1.00	\$15.66			
6/28/2016	72119	1198	TALTON STEVEN W	1	18.22	0.59	\$10.79			
6/28/2016	72115	0854	PICKUP	8	19.21	0.59		\$11.14		
6/28/2016	72115	1150	GUTHERY THOMAS	1	15.66	0.99	\$9.24			
8/31/2016	721.69	1198	TALIUN STEVEN W	1.	18.22	0.55	\$16.00			
801(2916	72160	0804	PICKUP	1	18.07	0.55		\$9.94		
\$310016	71149	1110	GUTHERY THOMAS	1.1	15.66	0.55	58.63			
Band Id - 0027	Dis WAL	DEN DR	IVE				0.000			
Activity 14, 401	I Barbield	Treatm	tent .							
Read District										
939/3016	Tion .	1198	TALTON STEVEN W	× .	18.22	0.71	\$12.94			
010/2014	21182	beer to	TRUCK HERBICES	- 20	39.52	0.71	0.000	\$28.06		
Band Id - 6022	BA WAL	DEN HO	KLOW BOAD		20070					
Automatic Advanta	A BANKALAN	Turneter.								
Activity by 44	1 Performan									
Road District			which makes a strength state	200	10.00	0.04	4144.445			
6/8/2016	7,21998	1198	TALFUN SIEVEN W	1.1	10.00	0.90	200,00	477.04		
6/8/2016	7,20998	1012	DEPENDENT AND A REAL	CE CLARK COL	42.05	0.90		0.07/04	given and	
6/6/2016	12054	0993	NERSE, ILE-MISSIA (TASO	CONTRACTOR.	41.49	11.00			8770.00	
6/8/3916	72099	0935	HEREBY, TOR-DR/ROOM 41.	GALLON	18.00	13.00			44,70,00	
6/8/3016	72094	0928	THE REPORT OF CHECKING 22(16)	0 1943	8.75	1.00			40.00	
6/8/2016	73998	2000	WATER	AUAL.	0.00	2,000.00			80.00	
9742916	72161	1158	TALION STEVEN W		18.22	0.77	204.03			
9/14/2016	72182	1012	TRUCK-HERBICEDE	8 G	. 39.32	0.77		\$30.64		

Road Ed - 002704-: WALDEN ROAD

Date	112.14	M	Description	Rate M	Rete	E with	Emp Cost	Equ Cost	Mat Cost	Con Cost
Project M -28-818	INTRAC	IDE PRO	GRAM			0000	1111011-1	1100		100.013
Activity 14 all	Blackland,	Territory								
Read District	increacion	C areansa	Carl I							
6/8/2016	11000	artist.	CONTRACTOR V THE MEAN	100	11.66	0.71	\$10.02			
4.00.0016	10000	1000	THE STR. AND STREET	- 23	47.04	0.71	911.04	59-01		
10102010	72009	1100	TAL THE PERSON AND ADDRESS	- 22	10.00	0.04	1015-00	442.45		
8/3/2018	101109	11158	INCOME STICKED W		18.07	0.02	916.90	10.04		
WARDONE .	72108	08.74	CONTRACT CONTRACTOR		14.04	0.22	00.00	20.04		
8310010	742999	1100	OUTHERY TROMAS		13.80	8.32	30.00			
9/13/2016	72383	1120	GUTHERY THOMAS		13.00	0.59	20,24			
9130016	72180	100.3	TEUCK-480018C308-3000		19.52	8.59		103.0		
Hoad Id - 00270	954 WAL	D-BCOP D	er.							
Activity M 400	Herbicid	Treatme	Cart .							
Road District	-2				10325	112102	231221			
4/18/2016	73857	\$330	GUTHERY THOMAS		15.66	0.45	56.43	1.100.000		
4/18/2016	72057	1013	TRUCK-HERBICRDE-2000	1.1	42.01	0.41		\$17.20		
9/23/2016	72991	8330	GUTHERY THOMAS	1	22.81	0.45	\$10.27			
9/23/2016	72190	HHD	TRUCK-HERBICIDE-3000	- E	39.52	0.45		\$17.79		
Road Ed = 00270	97-; WAL	KER DR	IVE.							
Activity \$3,400	Herbickö	Treatme	red to the second s							
Read District	-3									
6210016	72909	1198	TALTON STEVEN W	E	18.22	6.55	\$10.00			
6/21/2016	72109	1012	TRUCK-HERBERDE	1.1	42.01	0.55		\$23.11		
8/15/2016	23154	1198	TALTON STEVEN W	1.1	18.22	6.77	\$14.83			
8/15/2016	72195	0814	PICKUP		18.07	6.77		\$13.92		
8/15/2016	711.54	6130	OUTHERY THOMAS		15.66	8.77	\$12.06	10000		
9/78/2014	22.987	E 1900	TAUTUM STUNEN W		18.22	0.55	\$10.03			
078/2016	22102	1017	THEN'S ARRESTS		29.52	0.55		\$21.74		
Band Id . 00771	D. WAL	STRIA.	NE		20.04					
Activity 14 and	Washield.	Transferry								
Rend Titletoid										
Road Danner	-2		NAMES OF TAXABLE PARTY.		100.00	1000	46.16			
TITN COTO	743.34	1100	DALION STEVEN W	2.0	18.00	0.75	an. / m	414.95		
119/2016	72132	1012	TICLE		39.52	0.29		314.13		
Housd Ed - 0027	DI WAL	ALKNE	POSTAIS ROAD							
Activity M 400	Herbicke	e Treatmo								
Read District	-3	192.5	and the second	100		1000				
6/20/2016	72108	1198	TALTON STEVEN W		18.22	0.75	\$13.85	032232		
6/20/2016	72808	8082	TRUCK-HERBRICEDE	8. C	42,01	0.76	2.5.52	\$31.93		
\$163016	72156	1198	TALTON STEVEN W	1.5	18.22	0.67	\$17.71			
\$/16/2016	72156	0814	PICKUP	- N.C.	38.07	0.67		512.11		
8162916	72156	1530	GUTHERY THOMAS	1	15.66	0.67	\$10.30			
9/28/2016	32197	1198	TALTON STEVEN W	1 C C	18.22	0.55	\$10.03			
9(28(2916	72197	1012	TRUCK-HERBICIDE	E 1	39.52	0.55		\$21.74		
Road 14 - 0027	15+ WAL	LACED	BOY B							
Activity \$2,400	Herbicid	Trutte	cel .							
Road District	-4									
7/19/2916	72133	1198	TALTON STEVEN W	8.1	18.22	0.36	\$6.56			
7/19/2016	72102	3912	TRUCK-HEROICIDE		39.52	0.38		\$14.23		
9/20/2016	72188	1198	TALTON STEVEN W	12	18.22	1.50	\$27.33			
9203916	22188	0814	PRINCIP	1.1	18.07	1.50		\$27.11		
9/20/2016	72188	1538	GUTHERY THOMAS	10	13.66	1.50	\$23.49			
Band 54 - 0027	WAL	LACER	040			1.75				
Andrew 14, 401	Manhood St.	Terretori								
Activity in white	- Introduce	C L PORT								
HORE DESIGN	10.000	1.10	TAL INVALUE TO ANY ANY	4.1	10000	10.20	1000			
111062000	101.02	11148	THE CONSERVENT W		10.42	0.18	90.11	E11 07		
719(2906	10.00	1912	THUA, A - HE KISE, TA	and an other	39.32	0.18		201701	RUD AN	
111922016	741.04	-99923	INCREME THE -MISMA (TABLO	CONLASS?	10.00	0.00			8134.00	
7/19/2016	729.32	1936	THE REPORTING - DIFUSION 4L	GALLON	18.00	7.50			31.05.00	
7/19/2006	733.33	0928	IN ROR THE -GROUND ZER	a heat	8,71	1,00			36.71	

10000	22203	500	2023-2021	1223-92	20.00	1000	1211221	2012	122.221	12022
Date	DJM		Description	Rate M	Rett	Usin	Emp Cost	Equ Cost	Mar Cost	Con Cost
Project 1d - 28-818 Boad 1d - 0027	16-: WAL	IDE PRO	GRAM OAD							
Activity Ed. 400	i Herbicidi	Treatme	cet .							
Road District	1-3									
2/15/2016	72132	2099	WATER.	-GAL	3.00	1,000.00			\$0.00	
9/7/2016	72176	11198	TALITON STEVEN W	1	18.22	2.00	\$36.44			
9/1/2014	72176	1012	TRUCK-HERINGIDE	1.1	39.52	2.69		\$79.64		
Band Id - 0027	194 WAL	TER WI	IITT BOAD							
Activity 34 -400	I Herbicki	Tresime	red .							
Road District	-3									
6/15/2016	72394	1198	TALTON STEVEN W	E	18.22	10.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.04	0.43		\$18.07		
8/2/2016	72144	1195	TALTON STEVEN W	1.2	18.22	0.50	39.11			
8/2/2016	72144	0814	PICKUP	1.1	18.07	0.59		39.04		
8/2/2016	72144	11130	GUTHERY THOMAS		15.66	0.50	\$7.83			
Hand Id - 0027	20- WAL	TERS B	OAD							
Activity 1d 400	1 Herbick	Treatme	ini i							
Boad District	-3									
6/23/2016	72111	1198	TALTON STEVEN W	112	18.22	0.50	\$9.11			
4/23/2016	22111	1012	TRUCK-HERBICIDE	10	42.01	0.58	260.00	521.01		
Hand Lt - 0027	2L WAR	DROAT	1	7-12	10000	20,222		2.423,627		
Activity 54 -461	I Harbields	Treatme	and a							
Boad District			Western and the second second							
22212016	71110	1198	TALKIN STEVEN W		18.22	6.71	\$12.94			
20220614	23118	1012	THUCK HEREICTER	2.0	38.52	0.71		\$75.06		
Hund Ld - 0077	SA- WAR	NEN DR	IVE		10.00					
Autoria 14 day	t Blackhild	Trender								
Band Testelet										
ACTIVAL.	31040	1100	TALLING STEVEN W	100	10.22	0.11	\$10.01			
429129816	27108	1007	THE NEW ADDRESS OF	1.1	43.64	0.55	40000	671.11		
814/2016	72166	1104	TAL TIN STRATE IN		18.77	0.47	302.21	360.11		
8162010	21110	maile	INCIDE OF CALCULATION OF		18.02	0.67	10000	2403011		
1000000	101.00	14.94	CURRENT THE DAYS		14.66	0.67	\$10.55			
000000000	10100	1100	THE BOAL STREET IN		18.22	0.44	\$10.00			
9/28/2010	21.007	1007	THE STR. DEPENDENCE	1.1	10.00	0.55	4040.00	471.74		
9262016	TALEN .	DACKS N	ALL EX BOAD	1.5	10.04	6.53		801.14		
Mount 54 - 5623	254 W/4.8	APLON. V.	ALLEY BOOKD							
Accessly 14 -400	I. Herbicin	e i reatme	rest.							
Blood Disbries	Times .	1114	THE WORLDWICK IN	20	18.77	6.87	811.04			
5/16/3016	12080	1100	TALTON STEVEN W		16.22	0.87	31.2.49	814 22		
2/16/3910	72080	0014	PR. K.OP	anne.	10.00	0.07		- 409.04-;	447.44	
5/16/2010	72080	0923	HERBICIDE-GARLON 5-A	CALLON	14.49	4.39			22.00	
5162916	73080	0912	HERBICIDE-RECENDERDE	T UNLION	14.49	0.43			10.00	
516(2016	72080	2000	WATER .	-unit	11.00	00.00	411.41		20.00	
5/16/2016	12090	15.50	OUTHERT INUSIAS		10.68	0,67	947.03			
House 54 - 9021	33-C WAI	BANS D	H.							
Activity M 40	1 Herbicks	e Tresimo	red .							
Road District	1.0		at the second second second second	210		1.1.1				
6/17/2016	12106	1158	TALION STEVEN W	4	29.43	0.38	210.00			
617(2016	71996	1912	TRUCK-HERBERRE		42.01	0.38		\$45.97		
Boad 54 - 0027	42+ WES	SONGA	FROMD							
Activity Id: 40	I Herbicide	e Treatme	rat.							
Road District	1.1	1.000		2.7	1.000					
5/31/2016	72091	1154	TALTON STEVEN W	- C	18.22	2.00	336.64			
\$91,2016	72995	0614	PICKUP		19.28	2,00		20642		
5910016	72091	1530	GUTHERY THOMAS	¥.)	15.86	2.00	\$31.52			
6/00/2016	72100	1198	TALTON STEVEN W	2	26,45	0.53	\$14.02	10000		
6/00/2016	72990	1012	TRUCK-HERBICIDE	1	42.01	0.53	2042	\$22.27		
6/17/2016	12106	1198	TALTON STEVEN W	2	26.45	9.38	\$10.06	0.000		
6/(7/2006	72396	3012	TRUCK-HERBICIDE	1	42.01	9.38		\$15.97		

Date	DUM	. M	Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Can Cust
Project Id -28-915	INCREME	IDE PRO	GRAM							
Road Id + 09274	(2-: WES	SON GA	PROAD							
Activity Id 401	Herbicide	Treating	cal							
Read District	.3									
9/8/2016	721177	1198	TALTON STEVEN W	L	18.22	0.50	.\$9,11			
9/8/2016	72177	1012	TRUCK-NERBICIDE	L	39.52	0.50		\$19.76		
Road Id - 00274	G- WES	SONLA	KE BOAD							
Activity Id 401	Herbicid	Transe	test .							
Read District	-4									
4/19/2016	72058	1198	TALTON STEVEN W	1	18.22	0.52	39,48			
4/19/2016	72058	1012	TRUCK-HERBICIDE	1 C	42,01	0.52		\$21.85		
5/9(2006	72074	1.1598	TALTON STEVEN W	L	18.22	1.14	\$38.23			
5/9/2016	72074	0814	PICKUP	E	19.23	1.11		\$21.33		
5/9/2014	23074	1530	GUTHERY THOMAS	1.5	15.66	1.11	\$17.59			
6/3/2016	73994	11996	TALTON STEVEN W	t.	18.22	1.00	\$18.22			
6/3/2016	72094	0814	PICKUP	1	19.31	1.00		\$19.21		
6/3/2016	72094	1330	GUTHERY THOMAS	1	22.81	1.00	\$22.81			
3/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.55			
3/39/2016	72132	1012	TRUCK-HERERCIDE	1	39.52	0.56		\$14.23		
Read Id - 00274	44+ WES	T HELL !	SIDEDRIVE							
Activity M 401	Herbicide	Treatme	ted .							
Read District	-4									
1/18/2016	72530	1298	TALTON STEVEN W	1	18.12	9.37	\$6.75			
1/18/2016	72131	1012	TRUCK-SERBICIDE	1	39.52	9.37		\$14.63		
Read Id - 00275	54.; WHE	ENANT	ROAD							
Activity Id 401	Herbicide	Treatme	ant							
Read District										
6/17/20116	73997	1096	TAUTON STEVEN W	E	18.22	1.00	518.22			
6/7/2016	72697	1012	TRUCK-DERDICIDE	1	42.01	1.00		\$42.61		
9/14/2016	72182	1198	EALTON STEVEN W	1.1	18.22	0.77	\$14.03			
9/14/2016	72182	1012	TRUCK-PERFOCIDE	1	59.12	0.77		\$39.44		
Read 1d + 00275	15. WHE	SPERIM	G PINES BOAD							
Activity 54 400	Norbicida	Treatme	and a second							
Read District		1999	Concern and a second second							
6/17/2016	72104	1198	TALTON STEVEN W	2	26.45	0.38	\$10.06			
6/13/2016	72106	1682	TRUCK-HERIOCIDE	1	42.01	6.38		\$15.97		
Boad Id - 00275	We when	TE ROA	D	1.1						
Activity 5d 405	Berbicia	Treatme	test .							
Read District	-4									
6/29/2016	22116	1198	TALTON STEVEN W	1	18.22	0.59	\$10.75			
6/79/2016	721.14	1017	TRUCK - DERINGTON	10	42.01	8.59		\$24.79		
Road Id - 0027/	5-1 WHIT	DES CIL	APEL BOAD					· *****		
Activity M. 401	Ster Barlah	Tranting	test (
Road District	-1									
6/7/2086	73997	11100	CEITHERY THOMAS		15.66	0.46	\$7.71			
6/2/2016	72667	1013	TRUCK-SERDICIDE-2000		42.01	0.46		\$19.33		
A/2/2084	72097	2000	WATER	dist.	0.00	2,000.00		80 militi	55.00	
6/3/2006	22080	0910	HERITCHE-ARMA (TARGET	NOLLON	21.46	15.00			\$321.90	
4/3/3014	23590	0916	HERINGER-DRINGN 41	GALLON	18.00	15.00			\$279.00	
A/2/2004	12067	0474	HERBICIDE-CROKIND ZONO	FINT	4.21	2.00			\$17.47	
6/3/3014	73007	10010	HERBELDE, SOAM RESTOR	OT	11.30	6.25			\$2.83	
1000000	330.04	14346	GUTHERY TIKINGAS	1	15.44	0.34	35.44			
6/24/2021	07164	ALC: N	TRUCK AND DOCTOR AND		39.52	0.34		\$14.75		
Board Ld 00774	CL: 1870	IESPON	OHOAD	7 C C	100.04			41140		
Autoin 10 - 002/0	Harbleit.	Terret								
Real Product										
ACCEPTION OF	-	1.170	TAL STR. STREET, M.		10.00	6.45	87.84			
4/14/2010	23104	ALC: N	TRUE AND ADDRESS		47.64	0.43		512.01		
8/2/2014	70.004	1100	TALLIN STRATE W		18.22	0.44	89.11	100.00		
8.0.0048	14.000	1190	COLUMN ALL ADDA IN		18.65	0.00				

Date	DJ M	м	Description	Bate Id	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Cost
Project 14 -28-808	INERBIC	SDE PRO	GRAM					- 33		
Band 5d - 0027	634 WIII	TESBOR	OROAD							
Activity 1d 401	Herbield	Treatme	100							
Road District	-3									
8/2/2916	72144	0814	PERCUP	1.1	18.07	0.59		\$9.64		
8/2/2016	12144	2530	GUTHERY THOMAS	1.1	15.66	0.50	\$7.83			
Band 8d - 0027	66-1 WHI	PRORT	SI DOL							
Activity 1d 401	Harbické	Treatme	red .							
Road District	-2									
6/7/3016	32097	1538	GUTHERY THOMAS	1	15.66	0.55	\$8,30			
6/3/2016	72997	1013	TRUCK-HERBICEDE-2000	1	42.01	0.53		\$22.27		
9142016	72182	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
9142016	73182	1013	TRUCK-HERBICES-3000	100	38.52	0.71		\$28.06		
Read Id - 0025	68.4 WIRO	RTONE	IEND ROAD							
Activity M 401	Herbicid	Terates	ewi .							
Road District	-6									
426/2016	12099	1158	TALTON STEVEN W	1.1	18.22	0.65	511.85			
4202016	73059	1012	TRUCK-HERDICIDE		42.01	0.65		\$27.31		
4202016	73059	2000	WATER	-GAL	8.90	2.000.00		1. 19426 1. 1	\$8.00	
4202016	73959	0911	HERBOTOE-24 D AMINE	GALLON	14.13	22.58			\$317.93	
4/20/2014	73959	0936	HERBICIDE-SULPOMET	LB	28.05	1.88			\$12.60	
4/26/2016	23954	0924	HERBEIDE-GROUND ZERO	PENT	8.71	1.00			\$8.71	
8/3/2016	72162	1198	TALTON STEVEN W		18.22	0.52	59.48			
8/21/2016	231643	0814	PICKUP		18.07	6.92		\$7.43		
8/23/2016	72162	1130	CRITISERY TROMAS	1.0	15.66	0.52	5615			
Read Ld - 0027	71-1 WIL	CONSON	DRIVE		1					
Activity M. 401	Harbirth	Treatme	and a second sec							
Road Blatcher	-4									
4/24/3016	22112	1118	TALEON STEVEN W	3	16.45	0.55	\$23.23			
4/24/2016	22113	1017	TRUCK - HERRETEN		47.01	0.58		571.04		
Band Id . 0027	TA: WILL	ETTR	IAD	4	10.01			- Berner		
Autoin 14 401	Harbicks	Treatme								
Read Batchet										
6/16/1016	12100	1108	TALITIN STEVEN W		26.45	0.41	\$24.02			
AUDITOR	221056	NAU2	TRUCK-HERDICKS		47.61	0.53		\$22.27		
913/3816	72180	1196	TALTON STEVEN W		18.22	0.71	512.04			
811111846	21045	1017	TRUE & HERRICH	20	38.52	0.71		\$23.06		
Band I.d - 0037	77. WILL	LANDER	UNC BOAD	1.1	10.00			200.00		
Activity 14 AN	Berhield	Treatme								
Bond Batelet	- 5									
\$262516	15151	1100	TALTON STEVEN W	100	18.22	0.66	\$12.03			
\$162916	23555	10010	PERIP	2.5	18.00	0.66	A	511.93		
100000	724.51	10.00	CUTTERY THURSDAY	100	15.66	0.66	\$10.14	and the		
0/26/2016	951497	1198	TALIUN STEVEN W	100	18.22	0.55	\$10.03			
10/28/2016	21997	0017	TRUCK-HERBORED		19.52	0.15		\$21.74		
Band 14 - 0027	St. WILL	LOTE CR	EEK ROAD	2						
Autom 14 Att	Harblein	Trentme								
Band District										
5/54/3646	72197	1130	CUTTER'S THOMAS	100	11.66	0.50	\$7.83			
104/1046	91617	Loi 3	TRUCK - HERBY TR 2000		10 12	0.50		819.76		
Band Ld . 0077	NAL WILL	SCREET	N ROAD		24.24			21.7.74		
Autoin 14 Abs	Herbiete	Treater	and a state of the							
Band Bistoler	- A									
SHOULD BE	anana.	1000	TAL WAS STEVEN W	4.15	16.22	2.1.0	420.21			
10070010	22000	and a	PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS ADDRES	-	10.10	1.11	dar-da	0.824.22		
10000000	23424		DESIGNATION AND A DESIGN OF A DESIGN	CALLORS	22.44	1.00			871.46	
66/2010	There is		DEPENDENCE AND ADDRESS OF	GALLON	14.45	0.13			51.97	
100000	100014	3000	WATER	(GA1	0.00	50.00			\$5.00	
5/9/2016	10000	15.24	CHIPMENT THERE		12.55	1.11	411110			
2004010	110/14	12.88	COMPACT HIGHLY		13,000	1.11	#41,0PF			

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Date

DIM

Project M -28-018-16EERBICIDE PROGRAM

M

Description

Etowah County Road Department Jub Cost Selective Report from 4/1/2016 to 3/31/2017

Rete

Calls

0.52

8.52

0.52

6.41

0.41

4.45

8.45

0.91

8.91

8.77

4.77

4.77

1.66

2.66

Emp Cost

55.48

\$8.15

\$6.43

\$10.27

\$16.59

\$14:03

\$12.66

\$12.03

Equ Cost

\$9.40

\$17.25

\$17.79

\$18.23

\$13.52

\$15.69

Rate M

Road 1d - 0027	84: WILL	IS CREE	K ROAD		
Activity M 40	l Berbick	Treatm	and the second se		
Road District	-6				
\$23/2016	72163	1198	TALTON STEVEN W	1.5	18.22
8/23/2016	72162	0854	PICKUP	1.1	18.07
8/23/2918	72163	±120	GUTHERY THOMAS	1.1	15.66
Boad Id - 0027	954 WIN	NENGILA	MDR		
Activity 1d 400	I Herbick	Trustee	Far I		
Road District	-1				
4/18/2016	72051	1530	GUTHERY THOMAS	1.1	15.66
4/18/2016	12057	1013	TRUCK-HERBICIDE-3000	1.5	42.01
9/23/2016	72190	1530	GUTHERY THOMAS	2	22.81
923/2016	72191	1013	TRUCK-HERRICEDE-3000	1	39.52
Road Id - 0025	09-: WHE	NN RD			
Activity \$4 401	Berbició	Treatme	and the second se		
Road District	-3				
6/22/2016	72118	1118	TALFON STEVEN W	1.1	18.22
6/22/2018	72110	1017	TRUCK-HERBOTTH	E	42.08
8/15/2016	72158	1198	TALTON STEVEN W	1.5	18.22
8/15/2016	72155	0814	PICKUP	1.5	18.07
8/15/2016	72153	1330	OUTHERY THOMAS	1	15.66
921/2016	72189	1198	TALTON STEVEN W	1.5	18.22
921/2016	72189	1012	TRUCK-HERBICIDE	1	39.52
Road Id - 0028	14: YAT	ES ROAL			
Activity Id 401	Mirbicid	Treates	net .		
Read District	-3				
4/21/2016	72968	1100	OUTHERY THOMAS	1	15.66
4/21/2016	72068	1013	TRUCK-HEILBOCHE-3900	1	42.03
8/15/2016	72158	1199	TALTON STEVEN W	1.1	18.22
8/15/2016	72155	0814	PICKUP.	1.1	18.07
8/15/2016	72153	1150	OUTHERY THOMAS	- E	15.66
Road 1d + 0028	19-: YOU	NGS CH	APEL ROAD		
Activity 3d 400	Herbicide	Treating	and the second se		
Road District	-1				
4/19/2016	72058	1530	GUTHERY TIKIMAS	1	15.66
4/19/2016	12038	1013	TRUCK-HERBICIDE-2000	1 C C	42.01
1/32/2014	72535	1530	OUTHERY THOMAS	2	22.81
1/22/2016	72135	1013	TRUCK-HERDSCIENE-2000	1	39.52
8/30/2016	72168	1198	TALTON STEVEN W	- E -	18.22
830/2016	72168	0824	PICKUP	1	18.07
8/36/2016	72148	1130	GUTHERY THOMAS	1.1	15.66
Road Id - 0028	294) GRA	NEW	F DB.		
Activity 14 400	Herbicid	Treatme	cert .		
Read District	.1				
6/39/2016	72116	1198	TALTON STEVEN W	1 C	18.22
6/25/2016	72116	1012	TRUCK-HERBICIDE	1	42.01

Road Id - 0028	144 YATI	ES ROAL	9					
Activity Id 400	Merbicid	Treates	net .					
Read District	-3							
4/21/2014	72968	1100	OUTHERY THOMAS	1	15.66	0.66	\$10.34	
4/21/2016	72068	1013	TRUCK-HEILERCEDE-2000	1.1	42.03	0.66		\$27.75
8/15/2016	72155	1298	TALTON STEVEN W	1.1	18.22	0.77	\$14.00	
8/15/2016	72155	0814	PICKUP.	1.1	18.07	0.27		\$13.92
8/15/2016	72153	1150	OUTHERY THOMAS	E	15.66	0.77	\$12.66	
Road 1d + 0028	19-: YOU	NGS CH	APEL ROAD					
Activity 3d 400	Herbicide	Treating	and the second se					
Road District	-1							
4/19/2016	73058	1530	GUTHERY TIKIMAS	1.2	15.66	8.58	\$9.09	
4/19/2016	12038	1013	TRUCK-HERBICIDE-2000	- 10 C	42.01	4.58		\$24.37
1/22/2014	72535	1530	OUTHERY THOMAS	2	22.81	0.99	\$13.46	
102/2016	72135	1013	TRUCK-HERDBOILDE-2000	1.1	39.52	0.59		\$13.32
8/36/2016	72168	1198	TALTON STEVEN W	- E -	18.22	6.71	512.94	
830/2014	72168	0824	PICKUP	1.0	18.07	0.71		\$12.83
8/36/2916	72148	1130	GUTHERY THOMAS	1.0	15.66	6.71	\$11.12	
Road Id - 0028	29-) GRA	NEWBEN	F DR.					
Activity 14 400	Berbick	Treatme	test (
Read District	-3							
6/29/2016	72116	1198	TALTON STEVEN W	1.5	18.22	8.59	\$10.75	
6/25/2016	72116	1012	TRUCK-HERBICIDE	1	42.01	0.59		\$24.79
8/16/3016	72156	11198	TALTON STEVEN W	- E.	18.22	0.67	\$12.75	
8/16/2016	72156	0814	PICKUP	- K2	18,07	0.67		\$12.11
8/16/2016	72156	1330	OUTHERY THOMAS	1.1	15.66	0.67	\$10.52	
Road Id - 0025	30 : HAR	DIE LAS	æ					
Activity 34 400	Berbicidi	Treatme	end to be a set of the					
Road District	14							
103/0816	72139	1198	TALTON STEVEN W	10	18.22	0.71	\$12.94	
1030016	72139	1012	TRUCK-HEIUSICKIE	- E .	39.52	0.31		\$28.06
Road Id + 0028	31-1 LAU	RA BOA	D					
Activity 1d 400	Herbicide	Trains	tel					
Road District	-3							
613/2016	73106	1198	TAUTON STEVEN W	2	36.45	0.38	\$10.06	

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Mat Cost Cost Cost

lines.	DIM	M	Description	Rate 14	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Can Cast
Project Id -28-019	HERBIC	IDE PRO	GRAM							
Road 1d - 0028	OI- LAU	KA BOA	D							
Activity M 40	1 Herbicki	Treatme	call .							
Road District	1-1									
6/17/2016	72106	1012	TRACK-HEIRINCIDE	1.1	42.69	0.38		\$15.97		
7/18/2016	72131	1198	TALTON STEVEN W		18.22	0.37	\$6.75			
1/18/2016	72131	1012	TRACK-HERBELDE		39.52	0.37		\$14.63		
Road 1d + 0028	Dis LAU	REL LAS	NE							
Activity M. 401	I Herbich	Treating	test (
Read District		1999								
4/25/2016	72943	1298	TALTON STEVEN W	1.1	18.22	0.45	\$8.20			
405/0016	72562	1012	TRUCK-BERRICIDE	1.5	42.05	0.45	28.88	\$18.94		
Boad Id - 0028	MA GRE	EN VAL	LEV ROAD		12.000					
Activity 14 400	. Harbield	Treatme	test to the second s							
Read District			7							
4/35/3016	73959	1135	CETHERY TROATS		15.66	0.58	\$9.09			
4000016	72645	1013	TRUCK _ SETTING 100. 1900	1.1	42.03	0.58		124.77		
10.0016	93668	1.008	TAL YOU STEVEN W		18.77	0.76	\$11.85	, 1		
1000000	22565	0014	PROVIDE AND ADDRESS OF		10.71	0.74	areas.	316.60		
500000	23568	1130	CETTIERY THEALAS		15.66	0.24	\$11.91			
20400044	01114	1436	CETHERY THEALAS		15.66	0.76	811.91			
10000010	221.28	1000	TOUTIER TITE DONNE, MAN		36.41	4.76	211.01	\$10.64		
1010/0010	10108	1000	TRATER AND	1141	0.06	7 000.00			50.00	
1/28/2016	121.18	2000	WAILS.	CONTRACTOR	71.44	2,000.00			12222.000	
0.36/3016	721.08	0910	HEREICHER-MENTALIS	CALLER	21,40	12.00			\$121.00	
1/26/2016	721,58	0916	HERDINGER-CRURING.	UNLION	18.00	3,000			417.45	
108/0016	72138	0928	HERENCIDEOROUND ZERO	PINT	8.15	2,00			41.42	
106/2016	721.08	0903	HOURSDO-FORM BUSTLE	Q1	11,39	0.25	812.24		32.83	
8/34/3019	72163	1194	TALTON STEVEN W		18.22	9.67	\$12.21	1000		
8/24/2016	72160	0824	PICKUP		18.07	8.67	2000 000	\$15.11		
8/34/3016	72:063	1120	GUTHERY THOMAS	- C.	-15.66	0.67	310.98			
Road 1d - 0028	us: MOI	NEADN	VIEW CHURCH RD							
Activity 14 40	E Berbické	e Trestm	ted .							
Read District	1.4				1993	132	622.8			
6/29/2016	72116	1198	TALTON STEVEN W	K.,	18.22	8.59	\$10.75	1423444		
6/29/2016	72116	1012	TRUCK-HERBICIDE		42.01	0.59	122.2	\$24.79		
6363916	72123	1198	TALTON STEVEN W		18.22	8.70	\$12.76	1.2.2		
630/2016	72129	1012	TRUCK-HERBICIDE		42.01	0.70		\$29.41		
6/16/2016	72159	11108	TALTON STEVEN W	8 . · ·	18.22	8.50	59.11			
8/18/2016	72158	0834	PICKUP	- E.S.	18.07	0.50		39.04		
8/18/2016	72158	1530	GUTHERY THOMAS	- E -	15.66	0.50	\$7.83			
9/17/2014	721889	1198	TALTON STEVEN W	2	26,45	1.00	\$26.45			
9132016	72155	1013	TRUCK-HOUSEDE	- E -	29.52	1.09		\$39.52		
Road Id - 0028	SH: CED	AR DRIV	1E.							
Activity Id. 400	1 Herbleid	e Treatine	ter l							
Read District	1-1									
6/23/2016	72114	11300	OUTHERY THOMAS	1 C	15,66	0.99	59.24			
6070916	72114	1003	TRUCK-HERBICEDE-2000	1	42.01	8.59		\$24.79		
Road Id - 0038	1294 NEL	SON WIL	LLIAMS ROAD							
Activity 34 40	t Herbicid	Treates	two							
Road District										
6/13/2916	72903	1198	TALTON STEVEN W	1.5	18.22	0.55	\$10.03			
6/13/2016	72102	1012	TRUCK-HERBINGER	1	42.01	0.55		\$23.11		
9/23/2016	22391	1198	TALTON STEVEN W	3	25.45	0.55	\$54.82			
9/23/2014	72199	1012	TRUCK-HERBICIDE	1	39.52	0.56		\$22.14		
Road Id - 0028	HI-I WES	LEYLA	NE	2.00						
Activity 14 at	I Herbicks	Treater	rul l							
Road District	1.3		New York Contraction							
6/3/2016	72991	1198	TALTON STEVEN W	1 C	18.72	1.00	\$18.22			
6/3/2016	72097	1012	TRUCK-HERBICIDE	1.5	42.01	1.00	100.00	\$42.01		

									100000	0223223
Date	10114	. м	Description	Note M	Rate	Units	Emp Cost	Eqs Cost	Mai Cost	Con Cast
Project M -28-818 Road Ed - 0028	AL: WEST	IDE PRO	IGRAM NE							
Activity 14 401	Herbicid	Treatm	cet .							
Road District	-3									
9142016	72180	1198	TALTON STEVEN W	8.0	18.22	6.77	\$14.03			
9/14/2016	72182	1012	TRUCK-HERBICIDE	1.	39.52	6.77		\$30.44		
Band Id - 0028-	43-: CED/	REAN	E							
Activity 1d 401	Herbicid	Trestm	test .							
Read District	-2									
5/3/2016	72969	1155	TALTON STEVEN W	1 C	18.22	8.36	\$13.85			
\$/3/2016	72069	0814	PICKUP	1	19.21	8.76		\$14.60		
5/3/2916	72569	1330	GUTHERY THOMAS	1.	15.66	0.36	\$11.91			
6/28/2016	22115	11156	TALTON STEVEN W	1.5	18.22	0.99	\$10.75			
6283916	72115	0814	PICKUP	1.5	19.21	0.59		311.34		
6/28/2016	22315	1530	GUTHERY THOMAS	1.1	15.66	0.59	\$9.24			
9/26/2016	72795	1538	GUTHERY THOMAS	1.5	15.66	0.36	\$5.64			
9/26/2016	72195	1013	TRUCK-HEIRBICEDE-2000	100	39.52	0.36		\$14.23		
Road Ed - 0028-	45-: 1000	S CEMI	TERY BOAD							
Activity 1d 400	Herbicide	Treatme	test (
Road District	.3									
8/1/2016	72143	1198	TALTON STEVEN W	1.2	18.22	1.00	518.22			
8/3/2016	72143	0814	PICKUP	8.1	18.07	1.00		\$18.07		
\$1,0016	72543	1530	GUTHERY TIKMAS	100	15.66	1.00	\$15.66			
Band Id - 0025	#+: GON	ENS CH	RCLE	2.5	120.02		100000			
Activity 1d 401	Herbield	Treatm	tent .							
Road District	-1									
7/25/2016	221187	1535	GUTHERY THOMAS		15.66	0.50	\$7.83			
225/2016	22137	1013	TRUCK-HERRICEDE-2000	1.2	39.52	0.58		\$19.76		
Bend Id - 0028	1. GOM	ENS BO	AD							
Activity M. 400	Harbick	Treatm	ini i							
Road District	.1									
5/4/2016	72970	1158	TAUTON STEVEN W	1.2	18.22	1.09	518.22			
\$4/2016	73079	0614	PICKUP	1.1	19.21	1.00		\$19.21		
\$40016	72870	1530	GUTHERY TROMAS	1.1	15.66	1.09	\$15.66	M20.004		
7/25/2016	77157	1530	OUTHERY THOMAS	1.1	15.66	0.58	\$7.85			
7/25/2016	72137	1013	TRUCK-HERBUTER-2000	1.1	39.52	0.50		\$19.76		
8/25/2016	72244	1195	TALTON STEVEN W	1.1	18.22	0.17	\$14.00			
8/25/2016	72104	0814	PECKUP	12 C	18.02	0.77	10.00	\$11.92		
8/25/2016	77164	1538	GUTHERY TROMAS	10	11.66	0.77	\$12.06			
Read Ld - 00281	12 AGR	KOLA I	DRIVE							
Activity 14, 401	Herbicki	Treatme	end							
Read District	-1									
#18/2016	22057	1534	GUTHERY TROMAS	1.2	15.66	0.41	56.43			
418/2016	72957	1013	THUCK-HERBICIDE-2000	1	42.00	0.41	1801	\$17.23		
9/6/2014	72175	1194	TAUTON STEVEN W	1	18.22	2.00	\$36.44			
96/2016	224.74	0814	PICKUP	10	18.02	2.00	0.000	\$35.14		
\$462316	22125	1530	GUIDBERY DRIMAS		15.66	2.00	\$31.32	222020		
Read 1d - 0028	SA: ANTI	OCH IN	DAD			1.200	1000			
Activity M. 481	Herbick	Treates	and .							
Boad District	.2									
6/7/7816	12697	1510	OUTHERY THOMAS		11.66	0.53	\$8.30			
6/3/3016	73997	0.013	TRUCK-HERBOTENI-NOO		67.60	0.13		\$22.27		
AT APRIL	22182	1514	OUTHERY THOMAS	1	15.66	0.71	\$11.12			
0/24/2014	23183	2013	TRUEX . HERBY THE NOR		39.43	0.74	and the	\$28.06		
Band hd - myne	de DET	MOOD	PL	2 C	17,00			100.00		
Automa to and	Harbirth	Treate	and a							
Band District	.2	. creating	Sel a constant and							
ACCOUNTS	12000	1410	CUTHERY DEMAN		14.44	0.18	59.00			
10000000	TIONS	1013	TRUCK INCOMPS		47.04	0.48		834.97		
an ficker holds and	1999.94	1911	1000 N 100 N 10 N 10 N 10 N 10 N 10 N 1			1.00		1000		

Bale Units Emp Casi Equ Cost Mat Cust Cast Cast Date NM ы Description Rate 1d Project Id -28-018-348ER01CEDE PROGRAM Road Id - 602861-: DELLWOOD PL Activity 58 401 Herbicide Treatment Band Divbrict -2 0.29 \$4,55 6/1/2016 72642 1538 GUTHERY TROMAS 15.66 E 62.05 0.29 \$12.19 6/1/2016 72092 1012 THLICK-HERBICIDE-3000 Ł \$719/2016 721107 1530 GUTHERY THOMAS ł. 15.66 0.64 \$55.34 6/29/2015 72187 1813 THUCK-HERIMCIDE-2000 E 39.52 0.66 \$36.09 Read Id = 002862+; MOUNTAIN CREEK DRIVE Activity Id 401 Herbicide Treatment Rand District -2 4/20/2016 72035 1538 GUTHERY THOMAS 15.66 0.58 \$9.09 Ł \$24.37 4/20/2016 72059 1613 TRUCK-HERBETDE-2000 43.61 0.58 t 67,2816 72092 1530 **GUTHERY THOMAS** Ł 15.66 0.29 \$4.55 6/1/2016 72092 1013 TRINK-HEXIMCIDE-3000 Ł 42.01 0.29\$12.19 \$18.34 15.66 0.66 \$/19/2016 1550 OUTHERY THOMAS ٤ 72187 \$36.09 39.52 0.66 6/19/2016 72147 1013 TRUCK-REREACTIVE-2000 Ł Read Id + 002865: GRANGER ROAD Activity Id 401 Horbicide Treatment Road District - 2 6/27/2016 72114 1530 GUTHERY THOMAS 15.66 0.59 \$P.24 Ł 42.01 0.59 \$24.79 6/37/2016 72104 1013 TRUCK-HERBICIDE-2000 Ł 15.66 0.36 \$5.64 1530 GUTHERY THOMAS £. 926/2016 72195 \$14.23 TRUCK-HERBERDE-2000 39.12 0.56 6/36/2016 72195 1013 E. Read Id - 002870 / GRATSON ROAD Activity Id 401 Herbicide Treatment **Road District -3** 1.50 \$27.53 5/2/2005 72068 1198 TALTON STEVEN W E. 18.22 19.21 1.50 \$28.82 5/2/2666 72044 0814 PICKUP t £. 15.66 1.50 \$23.49 1120 GUTHERY THOMAS \$/2:2665 72068 \$11.87 2 22.83 0.52 6/24/2016 72112 1530 OUTHERY THOMAS TRUCK-HERBICIDE-2000 ł. 42.01 4.52 \$21.85 6/24/2014 72112 1813 \$16.03 72168 11998 TALTON STEVEN W E. 18.22 4.55 8/15/2016 \$3.54 E. 18.07 4.55 12169 10814 PERUP 8/31/2016 72269 1530 OUTHERY THOMAS t. 15.66 8.55 \$8.62 \$31/2016 Road Id - 002872< GREEN LANE Activity 3d 401. Herbicide Treatment Road District -3 \$10.03 TALTON STEVEN W E 18.22 6.55 6/21/2016 72109 1298 \$23.11 TRACK-HERITCOLD E. 42.01 6.55 6/31/3016 72100 1012 18.22 6.86 ı. \$12.60 1298 TALTON STEVEN W \$10/2014 721551 18.07 \$102014 72151 0814 PICKUP П 0.66 \$11.99 II. 15.66 0.66 \$10.34 \$/10/2016 22111 1110 GUTHERY THOMAS 8 18.22 0.45 \$8.20 1298 TALTON STEVEN W 6/27/2814 771966 \$17.79 6.45 923/2016 72196 1012 TRUCK-HERBICIDE 1 39.52 Road Id - 002876-; GREENBRIER WAY Activity 3d 401 Herbicide Treatment Road District -1 6.83 \$13.13 1198 TALTON STEVEN W 1 18.22 5/5/2016 73673 11 19:21 6.85 \$15.95 72071 0814 PICKUP \$/5/2016 15.66 0.85 \$13.00 **OUTHERY TIKIMAS** ł. 5/5/2014 22071 E130 Road Ed = 002877+; CEDAR CIRCLE Activity M 401 Herbicide Treatment Road District -4 18.22 0.59 \$10.75 6292816 22116 1198 TALTON STEVEN W г 42.01 \$24.79 4090316 72136 1012 TRUCK-HERBICIDE н. 0.59 Band Id - 002879-; CHRIS DRIVE Activity Id. 401 Herbichle Treatment Road District -2

PAGE 99 OF 138

Date	DUM		Description	Rate 14	Raie	Units	Emp Cost	Eqn Cost	Mai Cest	Con Cast
Project 1d -28-018	HIRDUNIC	IDE PRO	GRAM	19-19 Marca	0.011					
Read Ed - 0028	79-: CHR	IS DRIV	E.							
Activity Id. 401	Herbicki	Treatm	end in the second se							
Road District	-2									
4/19/2016	12058	1530	GUTHERY THOMAS	1.7	15.66	0.58	\$9.09			
419(2016	72058	1015	TRUCK-HERBICEDE-2000	1.1	42.04	0.58		\$24.33		
7/23/2016	72135	11530	GUTHERY THOMAS	2	22.81	0.99	\$13.46			
7/22/2006	725.55	1013	TRUCK-HERINCEDE-2000	1.1	39.52	0.99		\$23.32		
Road Ed - 0028	\$24 FOX	RUN BO	AD							
Activity 14 401	Herbicki	Tresim.	100							
Hoad District	-1									
6/3/2016	72097	1530	GUTHERY THOMAS	1.5	15.66	0.53	\$8.30			
6/7/2016	72997	1013	TRUCK-HERBICIDE-2000	1.0	42,01	0.53		\$22.35		
9142916	72182	1530	GUTHERY THOMAS	8.1	15.66	0.71	\$11.12			
914/2016	72182	1013	TRUCK-HERBICEDE-2000	1	39.52	0.71		\$28.06		
Read Ed - 0028	84+: NOO	IIN BOA	LD							
Activity 1d -401	Herbicide	Trutte	two fields							
Road District	-3									
6/16/2016	72105	1198	TALTON STEVEN W	1.2	18.22	0.58	\$10.17			
6/16/2916	72108	1012	TRUCK-HERBICIDE	1.0	42.01	0.58		\$24.37		
Read Id - 0028	85-: USR1	ROAD								
Activity 14 -401	Herbleich	Trestm	100							
Road District	-1									
6192016	72858	1530	GUTHERY THOMAS	1.5	15.66	0.58	\$29.09			
4/15/2016	72038	1013	TRUCK-HERBICEDE-2000	1	42.01	0.58		\$24.37		
7/22/2016	72133	1530	GUTHERY THOMAS	2	22.81	0.99	\$13.46			
7/23/3946	02135	1013	TRUCK-HERBICEDE-2000	102	39.52	0.59		\$23.32		
Road Id - 0028	90-: GREI	IN LEAD	FROAD							
Activity 1d 400	Herbickle	Treatme	two films							
Boad District	-1									
4/26/2016	72963	1198	TALTON STEVEN W	1.5	18.22	0.59	399,11			
4262016	72963	1012	TRUCK-HERBICIDE	100	42.01	0.90		\$21.91		
1190316	72532	1198	TALFON STEVEN W	1	18.22	0.36	\$6.36			
2/19/2016	72132	1012	TRUCK-HERBICIDE	8.0	39.52	0.36		\$14.23		
8/24/2016	72863	2198	TALTUN STEVEN W	1	18.22	6.67	\$12.21			
8/24/2016	72863	0804	PICKUP	1.1	18.07	0.67		\$12.11		
8/24/2916	72363	1530	GUTSERY THOMAS	8	15.66	0.67	\$10.50			
Road Ed - 0028	13+ SPRE	NGOAR	CS ROAD							
Activity 14 401	Herbicki	Tratte	test							
Road District	-3									
7/19/2016	72183	1198	TALION STEVEN W	1.5	18.22	0.36	\$6.58			
7/19/2016	72132	1012	TRUCK-HERBERTSE	1.1	39.52	0.36		\$14.23		
Read Ed - 0028	94+ MOR	GAN D9	HIVE N.W.							
Activity 1d 401	Herbield	Tresim	end i							
Road District	-3									
6110316	72396	1198	TALTON STEVEN W	2	26.45	9.38	\$10.08			
6110816	72106	1012	TRUCK-HERBICIDE	1.	42.01	0.38		\$15.97		
Road 1d - 0038	95+ MAD	ESON W	AY							
Activity 14 401	Herbicide	Treates	cut -							
Road District	-4									
6/17/2016	72996	1198	TALTON STEVEN W	2	26.45	0.38	\$10.06			
6/170366	72106	1012	TRUCK-HERBICIDE	8	42,01	0.38		\$15.97		
Read 54 - 0029	98+1 OLD	NELSO	N GAP ROAD							
Activity Id. 401	Herbické	Treatme	ent							
Road District	-4									
\$112016	72157	3198	TALTON STEVEN W	1.1	18.22	0.77	\$34.03			
8/17/2016	77157	0854	PICKUP	1 C	18.02	0.77		\$13.92		
\$17(2016	72157	1530	GUTHERY THOMAS	1 C	15.66	0.77	\$12.06			
Road Ed - 0029	01-: STO?	MCHER	ROAD							

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Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

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Emp Cast

Equ Cost

Rate 1d

Project M -28-818-18/EREDCIDE PROCILAM Road Ld + 002901-(STONICHER ROAD Activity 3d 401 Herbicide Treatment Read District -4 18.22 0.77 \$14.03 8/17/2014 72157 1198 TALTON STEVEN W E. 18.07 4.77 ·\$13.50 \$13/2016 72153 0834 PICKUP E 15.66 8/17/2016 72157 1536 **GUTHERY TROMAS** E ---4.77 \$12.06 Road Id - 002909-: DANIEL ROAD Activity M 401 Horbicide Treatment Road District -3 6/1/2015 73993 1530 GRITHERY THOMAS t. 15.68 4.25 \$4.55 6/1/2006 72092 1013 TRUCK-SERBICIDE-2000 E. 42.01 0.29 \$12.19 15.66 4.75 9/21/2016 72189 1530 OUTHERY THOMAS Ε. \$12.66 \$36.44 9/21/2018 72189 1003 TILICK-REARINDE-2000 E. 39.52 0.77 Road Id + 092910-: PHYLLIS DRIVE Activity M 401 Herbicide Treatment Read Platrict -1 1/19/2016 721133 1130 **GUTHERY THOMAS** E 15.66 82.0 \$1.56 3/19/2016 72132 1013 TRUCK-HERROLDE-3000 E. 59.52 0.38 \$13.82 \$127/2036 72196 1330 **GUTHERY THOMAS** Ŀ 15.66 4.43 \$6.74 \$17.00 9/27/2016 72196 1013 TRUCK-RESIDE-2000 E. 39.52 0.45 Road Ld = 602911+ ANNITA DRIVE Activity Id 401 Herbicide Treatment Read District -2 0.59 6/33/2016 1530 **GUTHERY THOMAS** £. 15.66 55.24 73114 0.59 \$24.79 6/27/2036 72114 1013 TRUCK-JERBICIDE-2000 Ε. 42.03 15.66 0.56 \$1.64 9/26/2016 72195 1530 OUTHERY THOMAS E. 0.36 6/36/2016 72195 1013 TRUCK-SERNICIDE-3900 E. 39.52 \$14.23 Road Id = 602917+ SPRING AVENUE Activity 54 401 Horbicide Treatment Raad District -2 6/3/2016 72093 1330 OUTHERY THOMAS ł. 15.66 1.00 \$15.66 \$42.01 60,0816 72095 1013 TRUCK -> PERBCIDE -- 2000 t. 42.03 1.00 15.68 1.66 \$10.34 9799/2016 72187 1330 **GUTHERY THOMAS** E. 39.52 1.66 \$26.09 9/19/2016 72187 1013 TRUCK-BERBEIDE-2000 E. Road Id - 002918-: EDWARDS LANE Activity 5d -401. Herbicide Treatment Read District -3 I. 15.66 0.53 \$8,35 1330 OUTHERY TIROMAS 6/7(2016 72097 42.01 \$22.27 477/2016 72097 1003 TRUCK-RERINCIDE-2000 E. 0.53 E. 15.66 8.71 72142 1530 GUTHERY THOMAS \$11.12 \$934/2016 39.52 1.71 \$142016 72182 1013 TRUCK-HEIRBRIDE-2000 E. \$28.05 Read 1d - 002923-: NEELY NORMA LANE Activity M 401 Herbicide Treatment Read District -3 4/18/2016 1198 TALTON STEVEN W E 18.22 6.52 39,48 72681 4/18/2016 72017 1012 TRUCK-HERBICIDE E. 42.01 8.52 \$21.85 2 26.45 4.78 \$10.06 1198 TALTON STEVEN W 6/17/2016 72106 £ 42.01 4,38 \$13.97 6/17/2016 72106 1012 TRUCK-HERBICIDE 12194 E 18.22 4.43 \$8.30 9/22/2016 1198 TALFON STEVEN W 1012 TRACK-HERBICIDE E. 39.52 6-45 \$17.79 \$127/2016 72156 Road Id + 002925: THOMPSON ROAD Activity ld 401 Berkicide Treatment Read District -4 E. 18.22 8.55 \$10.03 5/12/2016 72877 11988 TALTON STEVEN W 19.21 \$10.57 5/12/2016 72077 0815 PICKUP E. 8.55 73627 1530 GUTHERY TIKIMAS ĸ 15.66 6.55 \$8.62 5/12/2016 Read Id - 002928 (FIRE LANE ROAD Activity M 401 Herbicide Treatment

Mat Cost Cost Cost

Dute 83.64 H. Description Rate 1d Rate Vale Emp Cast Equ Cost Mat Cost Cost Cost Project 1d -28-818-18/ERBICIDE PROGRAM Boad Id = 0029284 FIRE LANE BOAD Activity M 401 Berbicide Treatment Road District -4 TALTON STEVEN W 18,22 0.50 \$9.11 4/26/2016 72063 1198 ŧ. 40%/0916 72063 1012 TRUCK-HERBICIDE L. 42.08 0.50 \$21.01 T1800816 £. 18.22 0.37 \$6.75 721111 1108 TALTON STEVEN W 1116/0014 72131 1047 TRUCK-HERBICIDE £. 39.52 0.37 \$14.63 Road Id - 002929-: HILL SEDE DRIVE Activity M 401 Herbicide Treatment Road District -4 4/25/2016 73062 1110 TALTON STEVEN W 1.0 18.22 0.55 \$10.63 4/35/2016 12062 1012 TRUCK-MERBICIDE 42.01 \$23.11 t - -0.55 Road Id = 002930+: MCDANIEL LANE Activity 52 401 Herbicide Treatment Read District -4 18.22 \$9.48 4/19/2016 1198 TALTON STEVEN W 0.12 72058 4/19/2016 72058 1013 TRUCK-READCIDE E .: 42,64 0.52 \$21.85 Road Id - 002532< MILLER CIRCLE Activity M 481 Herbicide Treatment Read District -4 4/36/3016 72663 1198 TALTON STEVEN W ŧ. 18.72 0.50\$9.51 4/26/2016 72063 1012 TRUCK-SERBICIDE t. 42,00 0.50 \$21.01 1/26/2016 1198 TALTON STEVEN W 1.1 18.22 0.91 \$16.59 72138 39.52 106/3015 72138 1612 TRUCK--HERBICIDE Ł 0.93 \$15.97 8/23/0016 72162 TALTON STEVEN W 18.32 0.52 15.48 1198 t 8/23/2014 72162 0814 18.07 0.52 \$9.40 PACKUP Ł 15.66 0.52 8/23/2016 72162 1516 GUTHERY THOMAS E \$3.15 Read Id - 602935: GARMON DRIVE Activity ld 401 Horbicide Treatment Road District -6 4/20/2016 72039 1198 TALTON STEVEN W 18.22 0.55 \$10.83 TRUCK-HERRICIDE 42.01 \$23.11 4/29/2016 72059 1012 0.55 L . Read Id + 662938-: WILDER LANE Activity 5d 401 Herbicide Treatment Read District -3 \$10.57 6/34/2016 72160 1198 TALTON STEVEN W Ŀ 18.22 0.58 42.01 0.58 \$24.37 72165 1012 TRUCK-MERINCIDE 6734/0016 t i Read Id - 0029414 COPELAND DRIVE Activity 1d 401. Herbicide Treatment Road District -3 6716/2016 1 26.45 0.53 \$14.02 72100 11/98 TALTON STEVEN W 6/30/2036 1012 TRUCK-PERENCIDE r 42.68 0.53 \$12.27 72100 Road 1d - 002942< TIROMPSON CERCLE Activity M 481 Herbicide Treatment Read District -3 18.22 6/34/2016. 72100 1158 TALTON STEVEN W Ł. 0.58 \$10.57 TRUCK-HERBICIDE t. 42.01 0.58 \$24.37 6/14/2015 72165 1012 2 26.45 0.56 72159 1198 TALTON STEVEN W \$14.82 \$23,2014 9/23/2016 72194 1612 TRUCK-HERBICIDE I. 39.52 0.58 \$22.14 Road Id - 002944: ALAN HALLMARK Activity 1d 401 Herbicide Treatment Read District -3 18.22 0.43 6/15/2016 721.04 11298 TALTON STEVEN W \$7.14 TRUCK-REMISCIDE 42.03 0.43 \$18.87 6/15/2006 72104 1012 Read Id - 002950-: WASHBURN BOAD Activity M 481 Herbicids Treatment Read District -3 18.22 \$8.20 4/25/2614 72062 TALTON STEVEN W 0.41 11/98 1
Report Id: Rppro012.rpt

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	0414		Description	Rate Id	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Cost
Project Id -28-818-	HIRKNEY	IDE PRO	GRAM							
Road Ed - 00295	50-; WAS	HBURN	BOAD							
Activity 1d 401	Herbicki	Treatme	and the second se							
Road District	.3									
4/25/2916	72962	800.2	TRUCK-HEURICIDE	1 C	42.01	0.45		218.91		
Band Id - 00295	SI+ ELLI	S ROAD								
Activity 1d 401	Herbicid	e Tricolme	and the second se							
Road District	-3									
4/18/2016	72957	6198	TALTON STEVEN W	1.1	18.22	0.52	\$9.48			
4/18/2016	72057	1012	TRUCK-HERBICIDE	8. C	42.01	0.52		\$21.85		
9070916	72196	1198	TALTON STEVEN W	1.	18.22	0.45	\$8.20			
9/27/2016	22196	1012	TRUCK-HERBICIDE	L	39.52	9.45		\$17,79		
Boad Ed = 00295	54+ LEET	TH GAP	CEMETARY ROAD							
Activity M 401	Herbicid	Treatme	at a constant of the second							
Read District	-3									
90220916	72290	1198	TALTON STEVEN W	8.C	18.22	0.55	\$10.03			
9/23/2916	72190	1012	TRUCK-HERIOCIDE	E ()	. 28.52	0.55		\$21.74		
Road Id - 00296	63-: MCC	LAIN D	EIVE							
Activity Id 401	Berbicki	e Tresimi								
Road District	-3									
215/2916	72332	1198	TALTON STEVEN W	- E -	18.22	9.36	\$6.36	1225		
7/19/2016	72132	1012	TRUCK-HERRICIDE		39.52	#.36		\$14.23		
Road Id - 00296	64: 20110	AVENU	E NW							
Activity 14 -401	Herbicid	e Treatme	and the second se							
Boad District	-a									
5262916	72989	1198	TALTON STEVEN W	E).	18.22	2.50	\$45.15			
5/26/2016	12089	0814	PICKUP	I.C.	19.21	2.50		\$48.03		
5262916	72089	1530	GUTHERY THOMAS	1. C.	15,66	2.50	\$39.15			
2/19/2916	72822	1198	TALTON STEVEN W	- C	18.22	0.36	\$6.56			
7/19/2016	72132	1012	TRUCK-HEROICIDE	- E.	39.52	6.56		\$14,23		
Road Ed - 00292	254 LOU	III WORD	KS DRIVE.							
Activity 14 401	Herbicid	e Tresime								
Road District	-3						1000			
912/2916	72180	1198	TALTON STEVEN W	10 C	18.22	10.71	\$12.94	1000		
912/2016	7218時	1052	TRUCK-HERBICIDE	8	39.52	0.71		\$28.06		
Hoad Ed - 00298	\$1< WHO	RIONE	END AREA							
Activity 14 401	Berbició	e Treatme	el la							
Road District	-4			213	01072	772.22	200107			
5/13/2016	72978	1195	TALTON STEVEN W	2	26.45	2.50	566.13	1000000		
5/13/3816	22078	0814	PICKUP	1	19.21	2.50		\$48.00		
5152916	72078	11330	GUTHERY THOMAS	2	22.81	2.50	\$37.00			
6/9/2016	12999	1198	TALITON STEVEN W		18.22	10.00	2112.30			
6/9/2016	73099	1012	TRUCK-HERINCIDE	1	42.05	10.00		3420.10	manual sea	
6/9/2016	72299	0990	HERBICIDE-MISMA (TARO	ET GALLON	21,46	13.00			\$321.99	
6/9/2016	72099	0904	HEIGHCIDE-DR/HON 4L	GALLON	18.00	13.00			5270.00	
6/9/2016	72999	1928	HERBCIDE-GROUND ZUR	D PINT	6.75	1.00			38.71	
6/9(2016	72299	2000	WATER	GAL	0.00	2,000.00	A 10.00		Print	
8/24/2016	12365	1198	TALTON STEVEN W		18.22	0.87	342.24	aire 11		
\$/24/2006	72963	0854	PICKUP		18.97	0.67		842.11		
8/24/2006	72163	1500	GUTHERT THOMAS	1.5	13.66	0.57	\$10.50			
96/2016	12175	1195	TALTON STEVEN W		18.22	3.00	339.44	100.00		
W602016	10124	1004	CREATING THE COLOR		14.07	2.00	1010.00	918.14		
1000016	12115	1538	CONTRACT INCMAS	A	13.66	1.09	3/1.32			
Houd 54 - 99.90	MPI BRIM	EL ION	CAME TERY NUAD							
Activity 1d 401	Herbicid	Trains								
Boad District	-		The state of the second second		10.00	6.74	811.84			
9/20/2009	12108	1198	THE OWNER WITH A REAL PROPERTY OF		18.22	0.76	313,85	1010.000		
4/20/20/06 8/2/20/06	75144	1104	TALEON STRUCTURE		10.00	0.10	100.04	200.00		
#1902009	121.98	1108	THE TOW STEADY W		10.02	9.60	212.21			

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ETOWAH COUNTY - DOCUMENT SET 5-6

Tests	0.014	14	Description	Harty Md	Rate	Calls	East Cost	Equ Cost	Mat Cost	Can Cast
Project Id -28-018	INTROC	IDE PRO	GRAM							
Road Id - 9030.	30-: HOW	ELTON	CEMETERY ROAD							
Activity M 481	Herbickh	Treating	cand .							
Road District	-5									
8/16/2916	72156	0814	PERCEP	1	18.07	6.67		\$12.11		
8/16/2016	72356	8330	OUTHERY THOMAS	1.1	15.66	9.67	\$10.90			
Road Ed - 0030-	Pr GALI	LANT O	OVE							
Activity \$2,401	Herbicide	Trustee	ter l							
Road District	-4									
4/26/2916	72963	1198	TALTON STEVEN W	1.0	18.22	0.50	\$9,11			
4/26/3916	72063	1012	TRUCK-HERBICIDE	1 C	42.01	0.50		\$21.61		
7/18/2016	72331	1.198	TALTON STEVEN W.	1.	18.22	0.37	56.75			
7/18/2016	72131	1012	TRUCK-HERBERDE	1	39.52	6.37		\$14.63		
Road Id - 90.92	50-: RHDG	EVEN	DRIVE							
Activity 1d 401	Herbields	Treatme	cel							
Road District	-4									
6363916	72123	1298	TALTON STEVEN W	1. C	18.22	0.79	\$12.76			
6302916	72123	1012	TRUCK-HERINCER	8 C	42.01	0.70		\$29.41		
8182016	32158	1198	TALTON STEVEN W	1.1	18.22	0.50	59.11			
818/2016	72158	0814	PICKUP	1 C	18.07	0.50		39.04		
8/18/2016	72158	8100	GUTHERY THOMAS.	1	15.66	0.50	.57.83			
W17(2016	72185	1198	TALTON STEVEN W	2	26.45	1.00	\$26.43			
9110916	72185	1012	TRUCK-HERBEIDE	1	39.52	1.00		\$39.52		
Road 54 - 00305	SE4 LAK	EWOOD	COVE							
Activity 1d 401	Herbicid	Treatm	rest .							
Road District	-4									
4/20/2016	12059	1198	TALTON STEVEN W		18.22	0.55	\$10.03			
4/20/2016	73859	1012	TRUCK-HERBICIDE	10 C	42.01	0.55		\$23.11		
Hoad Id - 0030	63-c GBD1	EY BO.	AD-							
Activity 1d -401	Herbicide	Treatm	red							
Road District	-2									
7192906	72132	1530	OUTHERY THOMAS	(1)	15.66	0.38	\$5,96			
7/19/2016	72132	3013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
9/27/2016	12196	2130	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/27/2016	71996	3013	TRUCK-HERBICIDE-2000	1.	39.52	0.43		\$17.00		
Road 1d - 00304	67 c TILL	BON B	CND A REA							
Activity Id 401	Herbicid	Treatm	ref							
Road District	-1									
719(2006	72132	1198	TALTON STEVEN W	1.5	18.22	0.36	\$6.56			
7/19/2016	72113	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
Hand 14 - 0930	63 c RO	FT FER	EV BOAD AREA							
Activity 5d 401	Bebick	Treates	ret							
Read District.	-2									
8/25/2006	72164	1158	TALTON STEVEN W	1.0	18.22	9.77	\$14.00			
8/25/2016	72164	0614	PICKUP	1.1	18,07	0.77		\$13.92		
\$252016	12164	1538	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
Read 1d - 0030	THE SHEET	TON C	IRCLE							
Activity Id 401	I Herbicid	Treatm	rat							
Read District	-2									
\$332016	72069	1158	TALTON STEVEN W	1.	18.22	0,76	\$13.85			
5/3/2016	72069	0614	PICKUP	1	19.21	0.76		\$14.60		
\$15/2016	72069	1530	GUTHERY THOMAS	1	15.66	0.76	\$11.91			
9/1/2006	72171	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
\$1,2004	72171	0814	PICKUP	1	18.07	9.43		\$7.78		
9/1/2006	72171	1530	OUTHERY THOMAS	1	15.66	8.43	\$6.74			
Road 1d - 0030	744 CAN	OE-CRE	EK ROAD, N							
Activity ld 400	Herbicid	Treatm	red							
Read District	-4	S SLE								
4/19/2016	12018	1198	TALTON STEVEN W	K	38.22	0.52	\$9.48			

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ETOWAH COUNTY - DOCUMENT SET 5-6

Date	DUM	. M	Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cost Cost Cost
Project 3d -28-818	INTRACO	DE PRO	GRAM	20-22	10-11-		1.11		
Boad Ed - 90307	He CAN	OF CRE	EK ROAD, N						
Activity 14 404	Herbicide	Trestme	cief .						
Road District	-4					1000		Constant Sector	
4/19/2016	721158	1012	TRUCK-HERBICIDE	1.0	42.01	0.52		\$21.85	
7/18/2016	72131	1158	TALTON STEVEN W		18.22	0.37	56.75		
2/18/2016	721010	1013	TRUCK-HERBICIDE		39.52	0.37		\$14.63	
7/26/2016	35138	1198	TALTON STEVEN W		18.22	0.90	\$16.39		
7/26/2016	72138	1012	TRUCK-HERBICIDE		39.52	0.91		333.97	
Head Id - 00.907	B-: CENI	TER STR	0.8.1						
Activity 1d 401	Herbicide	Treatme	at a						
Road District	-1			210	10.00	1222			
6/0.0916	12002	1530	GUTHERY THOMAS	1.1	13.00	0.29	3630		
6/1/2016	73993	1013	TRUCK-HERISCERE-2000		42.01	0.29	A	311.14	
9/23/2016	25164	1330	OUTHERT THOMAS	2	22.81	0.45	20272	414.44	
9/23/2016	72291	1013	TRUCK-HERBCIDE-2000		. 18.52	0.45		- 41 C.PT	
Baad 64 - 00.00	No. Commun.	107.04	RIVE.						
Activity M 401	Herbicide	Trestm	1914						
Road Detrict	-4. 	1000	on internet sector in a la		10.000	104.48	40.000		
6/26/2010	12112	1539	GOTHERT HIGHAS	100	27.01	0.50	301.01	-	
9/24/2010	ALL DOWN	1000 (11)	TRUCK-HERBELDE-2000		46.01	0.52		421.00	
House by - woole	Monthly Market	T	ILLES.						
Activity be -tel	ninsecia.								
201/2014	77774	1130	OUTSHERY THOMAS		15.65	0.90	324.10		
2010004	12124	1579	THEFT HERESTER, 2000		14.52	0.90		\$35.47	
Hand Ld . (9331)	IL OLD	IDWY 41	Incon-Incon-Inci	1.1					
Activity Id. 401	Herbirth	Treatme	-						
Read District	-3								
0192005	72182	1530	GUTHERY THOMAS	1.1	19.66	0.66	\$25.34		
9192006	TRIET	1023	TRUCK-HERROTOF-2000	1.	39.52	0.66		\$35.09	
Band 14 - 66-89	IN JENK	UNS BO	AD		00000	00010		00000000	
Activity 54 -401	Herbirth	Treatme	and i						
Read District	-2		Sultan en anos						
4/18/2016	72057	1530	OUTHERY THOMAS	1	15.66	0.41	\$6.45		
4/18/2006	12057	1013	TRUCK-HERISCIDE-2000	1	42.01	0.41		\$17.28	
2/18/2016	72134	1558	GI/THERY THOMAS	1	15.66	0.66	\$10.34		
7/18/2016	12131	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09	
8/31/2016	72169	1196	TALTON STEVEN W	1	18.22	0.55	\$10.03		
8/31/2016	72109	0814	PICKUP	1	18.07	0.55		\$9,94	
8/38/2016	72169	1530	GUTHERY THOMAS	1	15.64	0.55	\$8.42		
Read 1d - 0041	03-: PINE	HILLS!	WAY						
Activity M 401	Berbicide	Treston	read .						
Road Divivict	-1								
4/4/2016	72046	1530	OUTHERY THOMAS	1	15.66	8.27	\$12.06		
494/2006	72046	1013	TRUCK-HEREICIDE-2000	8	42.01	0.77		\$32.35	
7/25/2016	72134	1530	OUTHERY THOMAS	1	15.66	0.90	\$14.10		
3/25/2016	72134	3813	TRUCK-HERENCIDE-2000	1	39.53	0.90		\$35.57	
9/38/2016	72197	1530	GUTHERY THOMAS	8	15.66	1.00	\$15.66		
8/28/2016	T2197	1013	TRUCK-HERBICIDE-2000	1	39.52	1.00		\$39.52	
Road Id - 0040	05: WYC	KOFF 8	10AD						
Activity 54 400	therbicide	Treatme	ent						
Road District	-3								
6/10/3014	73108	1298	TALTON STEVEN W	2	36.45	0.53	\$14,02		
6/10/2016	12100	1012	TRUCK-HERDICIDE	1	42.01	0.53		\$22.37	
Road 1d - 0042	II- CHA	MPHON	ROAD						
Activity 1d -401	Herbicide	Treatm	ent						
Road District	-1								
6/28/2016	72115	1198	TALTON STEVEN W		18.22	0.39	\$10.75		

	185	of 137
Equ Cost	Mat Cost	Con Cost

Date	DUM		Description	Bate M	Rate	Cuits	Emp Cast	Equ Cost	Mat Cost	Con Con
Project Id -28-818	HERITAL	IDE PRO	GRAM							
Hand Id - 0048	HI-: CHA	MPION	ROAD							
Activity 14 40	I Herbicid	Treatm	end to be a set of the							
Road District	1-1									
6/28/2016	72115	0814	PICKUP	1	19.28	0.99		\$11.34		
6/28/2016	22113	1130	GUTHERY TIKIMAS	1.1	15.66	0.59	\$9.24			
Band Id - 0048	15: CR0	EK BOA								
Activity 3d -40	I Harbield	Trantas	and the second se							
Read District	1.2		and the second se							
7050916	72137	11500	GUTHERY THOMAS	1.1	15.66	6.50	\$7.83			
7/25/2014	72137	1013	TRUCK-HURBORNE-2000	1.1	39.52	0.59		\$29.35		
			**************************************	Project Cast	ber Catalan		11100114	414 774 89	\$22.646.45	50.00
				Total Project	in Carlo	· -	3140404	1140.1401		\$91.583.61
27879.825	151,022	2223.U	12.22	Titul Project					=	an age and
Project ld +28-013 Road ld - <	FUNERISC	IDE PRO	KRAM							
Activity 1d 40	I Herbicid	Treatm	ent							
Road District	·									
9/7/2017	72328	1130	GUTHERY THOMAS	1	55.01	10.00	\$160.10			
Road Id - 0000	01-21 CEN	TRE R	DAD (CORD 7I)							
Activity 14 -40	I Herbició	Treatme	test							
Road District	1 - 2									
10/20/2016	72213	1150	GUTHERY THOMAS	100	05.01	0.77	\$12.10			
10/20/2016	72215	1071	TANKEB-3902	1.5	33.03	0.37		\$25.44		
11/18/2006	72243	1198	TALTON STEVEN W		18.62	1.00	\$18.62			
11/16/2016	72342	1012	TANKER-2900	100	39.52	1.00	0.000	\$39.52		
1000017	22329	1150	OUTHERY THEMAS		15.01	0.79	\$11.21	0.1203		
182017	22525	1071	TANK 10, 3903		35.75	0.25		\$25.00		
hearing a	99396	7000	WATER .	ITAL	0.00	2 000 00			\$5.00	
50000017		20000	INCOME AND AND IN	DATION	13.00	53.68			\$107.80	
308/2017	72229	0000	HERBICITY, CONTRACTOR	and in the	25.78	6.94			- 15 dt	
3/8/2017	12,529		HERONALD-OVER	and a	8.71	7.05			812.42	
3/8/2017	72329	0948	HERICELE-GROUND ZERD	1011	1.14	0.00			23.02	
3/8/2017	10.00	1990.0	HERBICIDE-FOAM DUSTER	44	3.13	0.30	1000		162-54	
3/9/2013	72330	1100	GUTHERY THOMAS		15.01	0.40	30.87			
3/9/2017	72330	1071	TANKER-JR02	- 10 C	35.75	0.40		\$13.34		
Road Id - 0000	154 ALFI	DIRD BOD	(LD)							
Activity 1d -40	i Herbició	e Treatm	0.04							
Boad District	1.4	1.2.2		2.2	1000	100				
15/14/2016	72210	1330	OUTHERY THOMAS	1	36.01	0.72	\$11.53	6200		
10/14/2016	72210	1013	TANKER2000		39.52	0.72		\$25.46		
Read Ed - 0000	117s ALP	ORDS BI	END CIRCLE							
Activity Id. 49	I. Herbició	e Treatm	end							
Road District	1-2									
10/19/2016	722114	1530	GUTHERY THOMAS	1	16.04	0.50	\$8.01			
10/19/2016	72214	6071	TANKEB-3802	1	33.85	0.50		\$16.52		
3/9/2017	12130	1530	GUTHERY THOMAS	- E	16.01	0.43	56.89			
3/9/2011	72330	1075	TANKSH-2002	1	35.75	0.43		\$15,38		
Road 1d - 9900	ISH: ALFO	ORDS IN	END BOAD							
Activity Id -40	I Herbicki	e Tresim	end							
Road District	1.2									
10/19/2016	12214	1530	GUTHERY THOMAS	1	16.00	0.50	\$8.01			
10/19/2014	71214	10111	TANKER-3002	1	33.85	0.50		\$36.52		
3/9(2917	12130	1530	COTHERY THOMAS	t .	16-00	0.43	\$6.89			
340817	22330	1079	TANKIR-3002	1	35.75	0.43	· · · · ·	\$15.38		
Band Id - 000	ITALIT	ULDA D	RIVE							
Activity Id. 48	I. Herbick	Treatm	ent							
Road District	1.2									
3/21/2017	72340	1530	OUTHERY THOMAS	1.1	36.01	0.42	\$6.73			
		E 120	- 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.		1.2007	10000				
PA	-106 UI	- I30				E		NIT - DUCUM	ENI 3EI 5-6	

Report Id: Rpprob12.rpt

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	0414	M.	Description	Rate 14	State	tisits	Emp Cost	Eqs.Cost	Mart Cost	Con Con
Project Id -28-808-	INERBOO	DE PRO	GRAM		1.1		- 12			
Read Ed - 09001	9-: ALF9	EDA DR	IVE							
Activity Id. 401	Berbichle	Treatmen	ef .							
Road District	-1									
3/21/2017	72348	1071	TANKIIR2002	- E	35.25	0.42		\$15.02		
Road 1d - 00002	24 ALLI	N BOAD								
Activity Id. 401	Herbicide	Treatmen	el .							
Boad District	-4									
3/8/2017	72329	1158	TALTON STEVEN	1. Co.	13.31	1.00	\$13.34			
3/8/2017	72529	1012	TANKER-2008		42.21	1.00		\$42.21		
Road 54 - 00002	13+: AQU)	A VISTA	DRE							
Activity Id. 401	Herbicide	Trustmer	H.							
Road District	4									
3/20/2017	72339	1530	GUTHERY THOMAS	- 100 H	16.01	0.26	54.17			
3/20/2017	72339	1071	TANKER-3002	1.1	35.75	0.26		\$9.30		
Band Id - 00002	Mr. AQU	VISTA.	DOR W							
Activity Id 401	Herbickle	Treatmen	et .							
Road District	-2									
3/26/2017	72319	1100	GUTHERY THOMAS	- E	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	10	35.25	0.36		\$9.30		
Band 1d - 99902	S- ARLI	DGE DB	IVE.							
Activity Id 401	Herbicide	Trestme								
Road District	-3									
10/19/2016	72214	1198	TALTON STEVEN W	1.5	18.62	0.45	\$8.34			
10/29/2016	72214	1012	TANKER-2000	- F.	39.52	0.45		\$17.79		
Read Id - 00002	154 ADCO	ICK-MA	YO ROAD							
Activity Id: 401	Berbicide	Treatmen	1							
Boad District	-3									
10/19/2016	72214	1198	TALTON STEVEN W	1.5	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-3000	- E	39.52	0.45		\$12,79		
Read Ed - 00003	B-: ALLE	INSTEIN	BOULEVARD							
Activity Id 401	Herbleide	Tresime	**							
Read District	-2									
5/20(2017	323399	1538	GUTHERY THOMAS	1.2	16.01	9.26	\$4.17			
3/29/2017	72339	1071	TANKER-2002	1	35.75	9.26		\$9.30		
Read 1d - 09903	19-: ALLI	WALDR	IVE							
Activity 1d 481	Herbicide	Treatmen	10							
Read District	-1									
3/30/2017	72348	1198	TALTON STEVEN	1.5	13.31	0.50	\$5.55			
3/30/2017	72348	1012	TANKER-2000	1	42.21	0.50		\$21.11		
Read 14 - 0000-	Pi AND	RSON B	IOAD .							
Activity Id 401	Herbickle	Treatmen	ed i							
Baad District	-2									
3/20/2017	32399	1530	OUTHERY THOMAS	1.0	16.05	9.26	54.17			
3/20/2017	72339	1071	TANKER-2082	- E	35.75	8.26		\$9.30		
Read 1d - 00005	SE-: ANN	DRIVE								
Activity Id. 401	Herbicide	Tresteer	ef							
Road District	-J.									
10/19/2016	72214	1198	TALTON STEVEN W	8.	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Roud 1d - 0000	5-: APPA	LACHEA	NHIGHWAY							
Activity ld 401	Harbicide	Treatmo	ed .							
Read District	-2									
11/18/2016	72342	1194	TALTON STEVEN W	1.1	18.62	1.09	\$18.62			
11/18/2016	12242	1012	TANKER-2000	1	39.53	1:00		\$19.52		
3/29/2017	72347	1536	OUTHERY THOMAS	1	16.01	1.50	\$24.82			
3/29/2017	72347	2011	TANKER-2002	- E	35.75	1.50		\$13.63		
Read 1d - 60004	0-1 AQU.	AVISTA	ROAD							

Activity Id 401 Herbicide Treatment

Dante	101.04		Description	Rate Id.	Hair	Daily	Ener Cost	Equ Cost	Mat Cost	Can Can
Project bd - 28-015	THERMO	IDT PRO	GRAM	Party in			Long Long	toge cost		
Road Id - 0000	63-c AQU	A VISTA	ROAD							
Activity Id 481	Herbick	Treatm	ent							
Road District	-2									
3/26/2017	72339	1530	GUTHERY THOMAS	L	16.03	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1 C	35.75	0.26		\$9.50		
Road 1d - 0000	TJ-: ASH	VILLE R	IOAD							
Activity 5d 481	1 Horbicide	Trustin	ten l							
Read District	-4									
3/21/2017	72348	11298	TALTON STEVEN	1.5	13,39	0.53	\$2.06			
3/21/2017	72340	1012	TANKER-2000	- 1 C	42.21	0.53		\$22.58		
Road Id - 0000	76+ AUR	OBA RO	AD							
Activity 14 481	I. Herbicid	r Treatm	ten i							
Read District	-3									
3/30/2017	72348	1198	TALTON STEVEN	1.5	13.31	0.50	\$6.65			
3/30/2017	72348	1012	TANKER-2000	1.	42.21	0.50		\$21.11		
Road 1d - 0000	TT-: AVIS	DRIVE								
Activity 1d -401	Herbicid	Tresfin	her i							
Read District	-1									
3/21/2017	72340	1530	GUTHERY THOMAS	E	16.03	0.42	\$6.73			
3/21/2017	72340	1071	TANKER-2002		35.75	0.42		\$15.40		
Road 1d - 0000	79-: BACI	BELOR.	CHAPEL BOAD							
Activity Id. 481	Berbicid	Trutte	eM.							
Read District	-4									
10/15/2016	72284	1530	GUTHERY THOMAS	1.5	16.03	0.50	\$8.01			
10/19/2016	72214	1071	TANKER-2012	1	33.00	0.50		\$16.52		
3/9/2047	72330	1530	GUTHERY THOMAS	1.1	16.01	0.43	\$6.89			
3/9(2017	72330	1073	TANKER-2002	1.5	35.75	0.43		\$15.38		
Road 1d + 0000	82- BALL	DMOUN	TAIN CIRCLE							
Activity 54 401	Berbicid	Treatme	in the second							
Read District	-4									
18/16/2016	72248	1198	TALTON STEVEN W	10.2	18.62	0.66	\$12.29			
11/16/2016	723.40	1012	TANKER-2000	F	39.52	0.86		\$26.09		
Read I.d - 0000	18-: BASB	ON FER	IRV BOAD							
Activity Id. 401	Herbick	Treatme	and the second se							
Read District	-2									
3/22/2017	72341	1330	OUTHERY THOMAS	1	56.01	0.40	\$6.89			
3/22/2017	72341	1071	TANKER-2002	1.1	35.25	4.43		\$15.38		
Road Id - 0000	01- BAT	ILES RO	DAD							
Activity M 401	Herbicid	Treatme	test (
Road District	-3									
101192016	72214	1198	TALTON STEVEN W	1.5	18.62	0.45	\$8.38			
00192016	72314	1012	TANKER-2000	3 E E	39.52	0.45		\$17.79		
Road Id - 0001	03-: BEAD	GLE RO	AD							
Activity 1d 401	Herbicid	Treates	east .							
Road District	-4									
3/9/2017	72330	1178	TALFON STEVEN	1	13.34	1.00	\$13.31			
3/9/2017	72330	1012	TANKER-2000	1.1	42.21	1.00		\$43.21		
Road Ed - 0001	OF- BEAD	REP BOA	AD							
Activity 3d 401	Herbicid	Treatm	call.							
Road District	-2									
39293016	92215	1130	GUTHERY THOMAS	1.5	36.01	6.71	\$11.37			
10/20/2016	72215	1071	TANKER-2000	1	33.03	0.71		\$23.46		
Hourd Ed - open	42 - BLAS	K BOT	TOMROAD	11-						
Arthur M. de	Herbica	Trantes	and the second se							
Read District	-4		and the first state of the							
3/8/2017	72579	1198	TALTON STEVEN	1.1	13.31	1.00	\$13.35			
3/8/2017	12129	1012	TANKER-2000	10 M	42.21	1.00	100	\$42.21		
Band Id - mart	St. BILL	FF BOA	0			0.000				

Date	DUM	N	Description	Refr. M	Retr	Units	Emp Cost	Equ Cost	Mat Cest	Con Con
Project 1d -28-013	-INERBOC	IDE PRO	GRAM							
Road 1d - 0001	55 : BLU	FF ROAL	,							
Activity M 40	1 Herbicide	Tresim	e su d							
Road District	1-4						10000			
11/15/2016	72259	1198	TALTON STEVEN W	1.1	18.62	1.25	\$23.28	10000		
10/15/2016	72239	1012	TANKER-2000		39.52	1.25		\$49.40		
3/8/2017	72329	1198	TALTON STEVEN		13,31	0.59	\$6.65			
3/8/2017	72109	1012	TANKER-2009		42.23	8.50		\$21.11		
3/9/2017	72330	1198	TALDON STEVEN		13.31	1.00	\$13.31	1000		
3/9/2017	72530	8012	TANKER-2000		42,21	1.00		\$42.21		
Boad Id - 0000	56-; BLV1	THE MC	DANIEL DRIVE							
Activity Id 40	I Berbició	e Treatme	end .							
Read District	1-1						7.01-0.17			
3/23/2017	22,941	1530	GUTHERY THOMAS	1.5	56.01	0.43	\$6.89			
3/23/2017	72341	1071	TANKER-2002	E	35.75	0.43		\$15.38		
Road Id - 0001	64+ BOL	TON STI	IFFT							
Activity \$4-40	1. Herbició	Treates	end .							
Road District	1.1									
3/26/2017	72339	1130	GUTHERY THOMAS		86.01	0.26	54.17			
3/26/2017	72539	1071	TANKER-2002	E	35.75	0.26		\$9.30		
Read Id - 0001	664 BON	NIE PLA	CE							
Activity Id. 40	I Herbicidi	Trutte	cmi							
Road District	1-2									
3/21/2017	72540	1130	-GUTHERY THOMAS	E 21	16.01	0.42	\$6.73			
3/21/2017	72540	1071	TANKER-2802	- E -	35.25	0.42		\$13.60		
Road Ed - 0000	79-: BRA3	DELL M	ILL ROAD							
Activity \$4.40	1 Herbield	e Treatme	end							
Road District	1.4									
16/3(2016	72282	1198	TALTON STEVEN W	1	18.62	1.50	\$27.93			
10/3/2016	72200	1012	TRUCK-HERBERDE	1.1	39.52	1.90		\$59.28		
5210917	72340	1198	TALTON STEVEN	10	13.31	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	100	42.21	0.53		\$22.38		
Road Ed - 0000	90-: BRE	NTWOO	D DRIVE.							
Activity 1d 40	I Herbickk	Trestm.	and a second							
Read District	1-1									
3/20/2017	12309	1530	GUTHERY THOMAS	1.5	36.01	0.26	54.17			
3/20/2017	72339	1071	TANKER-2002	- B	35.75	0.26		\$9.30		
Read Id - 0000	91-: BRUS	TOW CO	OVE ROAD							
Activity 14 40	1 Herbicid	· Treatme	rut							
Road District	6-4									
10/17/2016	32282	1156	TALTON STEVEN W	1.	18.62	2.00	\$37.24			
10/17/2016	10212	1012	TANKER-2000	E	39.52	2.00		\$79.04		
3/20/2017	72309	1198	TALTON STEVEN	1.1	13.31	0.55	\$7.33			
3/20/2017	723.99	1012	TANKER-2008	1.	42.31	0.55		\$23,22		
3/20/2017	72139	19911	HERBICIDE-2.4 D AMENE	GALLON	13.68	22,50			\$307.80	
3/20/2017	72339	0909	HERRICIDE-OUST	POUND	25.78	1.88			\$48.34	
3/20/2017	72339	0928	HERRICIDE-GROUND ZERO	PINT	8.11	1.00			\$8.71	
3/20/2017	72339	2000	WATER	GAL.	0.00	2,000.00			\$0.00	
Houd 1d - 9991	192-c BHIS	TOW CI	REEK ROAD							
Activity Id 40	I. Herbicid	e Treatme	out							
Road District	t -4									
3/20/2017	72339	1198	TALTON STEVEN	Τ.	13.31	0.63	18.39			
3/29/2017	72399	9912	TANKER-2000	1	42.21	0.63		\$25.60		
Read Id - 000	199-c BIRCE	THERS	RDAD							
Activity 14 48	t Herbield	Treatme	and .							
Read District	-4									
11/16/2016	72248	1198	TALTON STEVEN W	1.	18.62	10.66	\$12.29			
11/16/2016	72340	9912	TANKER-2000	1	39.53	8.66		\$26.09		
Read 14 - 0003	144 BUD	UMPER	EV ROAD							

Date	DJM	м	Description	Rate M	Retr	Unio	Emp Cost	Equ Cost	Mat Cest	Can Can
Project M -28-018	INERESC	IDE PRO	KRAM							
Road Id - 0002	14: BUD	UMPHR	EY ROAD							
Activity \$3 400	1 Herbició	Treatm	cad							
Read District	-4									
11/14/2016	72234	1198	TALFON STEVEN W	E	18.62	0.83	\$13.46			
10/14/2016	72238	1012	TANKER-2009	E	39.52	0.83		\$32.81		
5/26/2017	72539	1198	TALTON STEVEN	1.1	13.34	0.43	\$8.39			
3/20/2017	72339	1012	TANKER-2000	1	42.21	0.65		\$26.60		
Boad Id - 0002	17- BUF	INGTO	N ROAD							
Activity 52 -400	Herbicia	Treates	ter t							
Road District		1000								
3/36/3917	72548	1198	TALFON STEVEN	1	13.34	0.50	\$6.66			
1/16/2017	72348	1012	TANKER-2000	1.1	42.21	0.50	123.025	\$21.11		
Read Ld - 0002	26-; BUR)	TON CU	T-OFF							
Activity M. 401	Berbicid	Trentes	and the second second							
Road District	-4									
346/2017	THINT	1198	TALTON STOVEN	1.1	13.31	1.00	\$13.31			
1402017	77127	1017	TANKER 3005		42.21	1.00		\$42.21		
Read Id. , 1992	27.4 BUR	TONLO	OF BOAD		46.91					
Autoin 14 alle	Barblett,	Transfer								
Read Distance	i introvene									
Proted Meterics		1100	TAL NEW STREET,		19.24	1.00	\$13.33			
246/2011	TEACT	1110	TANKED 300		45.51	1.00		842.21		
106/0017	TADAT	100.2	CANCER-JUNE		46.61	1.000				
Hand Dd - DDDd	ast busi	n An A M	cited .							
Activity 51 400	i merneces	e arcante	cart .							
Road District		in the second	Contraction for The Advances of	12	0.000	1.24				
3/29/2017	71339	1330	OUTBERY THOMAS		36.91	0.20	24.17	100.00		
3/29/2017	72539	1001	TANKER-200		10.70	0.29		34.30		
Head Id - 0002	35-1 81%	C SE BOOM	(D							
Activity 34 400	Berbicid	e Tresim	1993							
Road District							1000.000			
10/3/2016	32292	1146	TALION STEVEN W	10	18.62	8.59	827,99			
103/2016	72202	1012	TRUCK-HERBICIDE		39.52	1.29		319.28		
Hoad 14 - 0002	HSI CAM	PMIRC.	ROAD							
Artistry M. 400	1 Herbició	e Treates	ent							
Road District	-4	1.1.1			5000	1025	Sagar			
3/9/2017	72329	1530	OUTHERY THOMAS		16.01	0.62	\$9.93	1000		
3/8/2017	72329	100.5	TANKER-2002	R	35.75	0.82		\$22.11		
Hand 1d - 0002	461 CAN	NON GA	P BOAD							
Activity Id 40	I Herbicid	e Tresim	eni							
Road District	1-1									
3/96/3817	22348	1530	GUTHERY THOMAS	1	16.01	1.00	316.91			
3/30/2917	72348	8071	TANKER-3003		38.75	1.00		\$35.75		
Read Id - 0003	56-; CAB	OLYNC	OURT							
Activity 14:400	I Herbició	e Treatm	484							
Baud District	-4									
\$22(2017	72341	1530	OUTHERY THOMAS	# S	16.01	0.43	55.89			
3/23/2947	72541	1075	TANKER-2002	18 - E	38.75	9.43		\$15.38		
Houd 5d - 0002	674 CAT	ES ROA	D							
Activity Id 40	I Herbicid	e Treatm	ent							
Road District	1-2									
3/20/2017	32339	1530	GUTHERY THOMAS	E	16.01	0.26	\$4.17			
3/20/2017	72339	0071	TANKER-2002	1	36.75	0.26		\$9.30		
Road Id - 0003	HI- CAU	SEYLA	NE							
Activity 54 -40	I Herbicid	e Treatm	end							
Brad District	t-3									
10/19/2014	72294	1196	TALTON STEVEN W	1	18.62	0.45	\$8.36			
10/19/2016	72214	1012	TANKER-2000	1	39.92	0.45		\$17.79		
Road 1d - 0903	83+ CHA	RADAL	AKEROAD							

Date	0.0 14	N.	Description	Nate M	Rate	Units	Emp Cost	Equ Cost.	Mat Cost	Con Cost
Project 3d -28-818	INIRES	IDE PRO	GRAM							
Road Id - 0002	SI: CHA	RADAL	AKE ROAD							
Activity 34 401	Berbició	Treatm	cui							
Road District	-4									
15/17/2016	723#1	1198	TALTON STIEVEN W	- C	18.62	1.00	\$18.62			
11/12/2016	72240	1012	TANKER-2000	1.5	39.52	1.00		\$19.53		
Haad Id - 00029	54: CHA	RLEY S	TREET							
Activity 51 -401	Herbicid	Trestm	ent							
Road District	-1									
3/29/2917	72139	1530	GUTHERY THOMAS	- E.	16.01	6.26	\$4.17			
3/26/2017	72539	1001	TANKER-2012	- E	35.25	0.26		39.30		
Road Ed - 0002	124 CHE	STER TO	ODD ROAD							
Activity 3d 401	Herbicid	Treatin	001							
Road District	- F						10000			
3/8/2012	22329	1198	TALFON STEVEN	1.0	13.31	1.00	\$13.31	1000000		
3/8/2017	72329	1012	TANKER-2000	- C -	42.21	1.00		\$40.21		
Head Id - 00034	694 CLA	NTON S	TREET SW							
Activity 3d 401	Herbicid	e Tresim	end							
Road District	-4									
10/19/2016	722402	1195	TALION STEVEN W		18.62	0.99	39.31			
10/0/02016	73242	1012	TANKER-2000	- 52	39.52	0.50		319.39		
Head Ed ~ 0003	ZZ-COA	TS BEN	FCBRCLE							
Activity 51 -401	Herbicke	Treatm	(w)							
Boad District	-#		discrimination to instanting and its	- 23			44.111			
3/21/0917	72340	1339	OUTHERY THOMAS		10.01	0.42	30.13	414.00		
302503917	72340	1072	TANKER-2002	- 10	30.75	0.44	****	311.02		
3022200LT	22341	15,90	GUINERY THOMAS	- 22	16.01	0.54	56.63	110.11		
5/22/2017	72344	1071	TANKER-JIKU	1040	30.75	1.000.00			12.00	
10000017	22240	2000	HERACINE, 3 4 D AMPLE	CALLEN.	15.68	27.95			\$107.85	
22202011	72,743	0991	UCREASED ORDER TO A MORE	BAT	8.71	1.00			\$17.42	
1/22/2017	713.43	0000	LEEPANTE OF ST	POLIND	15.78	1.88			548.14	
JUNIORIT	91041	-0015	HERBRICE, PARK DEPOTER	01	4.14	0.44			12.14	
Read Ed - 0000	De CDA	TS BEN	BROAD	. 49	2.62					
Activity 14, 401	Herbicki	Treatm								
Road District	.5									
1/21/204T	77145	1536	GUTHERY THOMAS	1.1	16.01	0.42	\$6.73			
1010947	22340	1015	TANKER-2003	10	14.25	0.42	-	\$25.00		
5210817	32341	1530	GUTHERY THOMAS	1.0	16.00	6.43	\$6.89			
523(2817	22341	1071	TANKER-2002	11	14.75	0.43		\$15.34		
Band 54 - 0003	27+ COFI	ET SPE	UNCS BOAD							
Activity M. 401	Herbicid	Treatme	ent							
Boad District	-2									
10/20/2016	722115	1530	GUTHERY THOMAS	1.2	16.01	0.TT	\$11.37			
10/20/2016	72213	1071	TANKER-2802	10	33.03	0.71		\$23.46		
3/8/2017	12329	1530	GUTHERY THOMAS	1.1	36.01	0.62	\$9.93			
3/8/2917	72329	10011	TANKER-2002	1	38.75	0.62		\$22.17		
Read Id - 0903	33 - COL	LEGE P.	ARKWAY							
Activity 1d 401	Herbicid	Treatm	and the second second							
Hoad District	-6									
10/3/2016	12382	1530	OUTHERY THOMAS	1.1	16.01	0.77	\$12.33			
59/3/2016	72263	1913	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
3/29/2017	72347	1530	GUTHERY THOMAS	1	16.68	1.50	\$24.02			
3/29/2017	12347	1071	TANKER-2002	1	35.75	1.50		\$53.63		
Read 1d - 0003	39-: COL	VIN GAI	PROAD							
Activity Id: 481	Herbicid	Trestm	est							
Read District	-I									
99/3/2016	72362	1530	GUTHERY THOMAS	1	16.85	0.77	\$12.35	1202.0		
38/3/2006	72382	9913	TRUCK-HERBICIDE-2000	(C)	39.52	9,77		\$30.44		

Date	DATA	14	Description	Bate M	Rate	Cain	Emp Cost	Equ Cost	Mat Cost	Cos Cos
Project 5d -28-018	INTRANC	IDE PRO	GRAM				-	- 10		
Hand Id - 0003	394 COL	VIN GAI	PROAD							
Activity 14 400	Berbicide	Treatm	cut .							
Road District	-1									
3362917	72348	1330	GUTHERY THOMAS	E	06.01	1.00	\$16.01			
3360917	72348	1071	TANKER-2002		35.75	1.00		\$15.75		
Read Ld - 0003	41< CON	SERVAT	TON LAKE ROAD							
Activity 3d -401	l Herbicidi	Treatm	end .							
Road District	-4									
11/14/2016	72238	1198	TALTON STRVEN W		18.52	0.03	\$15.49			
31/14/2016	72238	1012	TANKER-2900		39.52	6.03		102.01		
Hoad Id - 9905	and COR	SELLA C	INLE							
Activity M 400	Bernacan	e i reansa								
Road Doarser	-2	1000	CONTRACTOR VIEW AND A		14.04	6.02	44.73			
1212017	22240	1300	TANKER - 1997		36.91	0.45	36.12	414.60		
Band 14 - 0002	is. COU	NTRY C	REEN BOAD		40.77	10.64		- #CA38		
Activity 14 and	Municip	Tranta	ALL IN MOUTH							
Read Testeint	A CONTRACTOR									
1074/2014	21240	1198	TALTON STEVEN W	12	11.42	1.046	\$12.29			
11/16/2016	77248	1017	TANKER-2000	- 22	39.57	0.65		1216.00		
Boad Id . 0003	ALCORT	NTRY II	ILLSROAD		10.00					
Activity \$4,400	Berbick	Treater	and and a second se							
Read District	-4		5							
10/16/2016	71240	1198	TALTON STEVEN W		18.62	0.65	\$12.29			
11/16/2016	72249	1012	TANKER-3909	10	39.52	0.66		\$26.09		
Road Id - 0003	70-: COVI	ESPRIN	GS ROAD	1.1						
Activity 54 -400	Herbicida	Treates	ter.							
Road District	-4									
5/9/2017	72330	1198	TALTON STEVEN	131	13.31	1.00	\$13.31			
559/2017	92330	1012	TANKER-3000	- E -	42.21	1.00		542.21		
5/26/2017	72339	1198	TALTON STEVEN	1	13.31	0.63	58.39			
3/26/2017	72330	1012	TANKER-2000	1.1	42.21	0.63		\$26.68		
Read 1d - 0003	77+ CRA3	NE CERO	LE.							
Activity Id 401	I Herbické	Treatm	end .							
Road District	-2									
10/20/2016	22211	1530	GUTHERY THOMAS	# 2	36.01	0.71	\$11.37			
10/20/2016	772215	1071	TANKER-3807	1 C	33.05	0.75		\$21.46		
Road Ed - 0003	78+ CRAI	NSTON:	DH							
Activity M 401	1 Herbicidi	Treatm	rut							
Road District	-1									
3/22/2017	72341	1150	GUTHERY THOMAS	- E -	16.01	0.43	56.89			
3020817	72341	1071	TANKER-2002		35.75	0.43		513.34		
Road Id - 0003	80+ CREE	EKSIDE	DRIVE							
Activity 14:400	Berbickk	Treatm	cet .							
Road District	-2	1000	6715.0005.22666		13.51	:03/23				
10/20/20/06	72215	1130	GUTHERY THOMAS		16.01	0.71	\$11.30			
10/20/2016	72215	1071	TANKER-2002		33.99	0.11		\$21.46		
5/8/2017	32329	1530	GUTHERY THOMAS		36.00	0.62	20.90			
3/8/2017	71519	1071	TANKER-3002		- 30.35	0.62		321.11		
Head Ed - 0003	894 CRO	FTPEIG	IV ROAD EAST							
Activity 14 - 401	Berbicio	C Denation	043							
Road District	1.1		and the large state of the second state of		0.000	1000	10.00			
3/8/2017	72329	1530	UNTREAT THOMAS		16.01	9.62	34/30			
3/8/2017	72329	1011	1456231-3003		30.75	0.65		866.07		
Read Ed - 0000	Sector	SOUN R	UAD .							
Activity 1d 401	Herbické	e Treatm								
Moad Destrict	20100	1100	TAL TON STRUCT	2.2	12.20	19.60	24.04			
3-8-2011	11.124	1100	THE OWNER AND ADDRESS	5.0	10.00	9.56	\$0.00			

Report Id: Rppri/012.rpt

Date	DUM	M	Description	Rate Id	Rate	Units	Emp Cost	Equ Cost	Mat Cost Cost Cost
Project ld -28-818	INCREASE.	IDE PRO	KRAM						
Read Id - 0002	954 CRO	SSON 80	OAB						
Activity 33 :401	Berbick	Trealm	eni						
Read District	-4								
3/8/2017	72329	1012	TANKER-2000		42.31	0.50		\$21.11	
Road 1d - 0007	984 CRE	MP BOA	D						
Activity Id 400	Berbicid	e Treation	ced .						
Read District	-1								
3/8/2017	72329	1120	GUTHERY THOMAS		16.01	0.62	\$9.95		
3/8/2017	72329	1071	TANKER-2002		35.75	8.62		\$22.17	
Hoad Id - 0004	994 DAD	GBIETTI	EDM						
Activity 5d 400	Sherbacad	e Treatme	lan lan						
Road District	-		The second second second						
3/21/2017	72340	1198	TALTON STEVEN		10.01	0.53	\$1.00	A 14 14	
3/21/2017	12340	1012	TANKER-2000		42.19	0.53		322.34	
Road 1d - 0004	124 1141	CINCLI							
Activity to 401	Herbicie	C I FERRIS	net .						
House Destroit		1.1446	CONTRACTOR DESIGNATION		14.64	0.446	100004		
00100000	72254	1370	TANKER AND	1.1	19.00	0.50	38.01	414.57	
10070010	20124	1430	CETTINE V THEALAN		14.00	0.00	20.00	810.74	
140/2017	72330	1000	TANKER AND		35.78	0.41	30.47	\$15.38	
Read Ld . (MAR)	14. DA V	ROAD	Logislan - Source						
Activity 54 401	Barbleid	Treater							
Read District									
10192016	77714	1110	CETTHERY TROADS		16.00	0.50	58.01		
10/19/2014	72214	1071	TANKER-2002	1.1	33.03	0.50		\$16.52	
3/9/2017	22338	1138	GUTHERY THOMAS	10	06.00	0.43	56.89		
3/9/2617	72330	1071	TANKER-2002	1.1	35.75	0.43		\$15.38	
Read 14 - 0004	I- DEE	HICKS	IOAD						
Activity 54 -400	Herbick	Treatme	and the second se						
Read District	.4								
10/18/2016	72213	1198	TALTON STEVEN W		18.62	1.00	\$18.62		
10/18/2016	12213	1012	TANKER-2000	1 C	39.52	1.00		\$39.52	
3/21/2017	72348	1298	TALTON STEVEN		13,34	0.46	\$6.13		
3/21/2017	72349	1012	TANKER-2009	and the second	42.23	0.46		\$19.42	
3/21/2017	72545	0911	REBORIDE-2,4 D AMNE	GALLON	13.68	22.50			\$107.86
3/21/2047	72348	0909	HERBICIDE-OUST	POUND	25.78	1.88			\$48.34
3/21/2017	72340	0928	HERBICIDE-GROUND ZERO	PINT	8.71	1.00			\$8.71
3/21/2017	72340	2000	WATER	GAL.	0.00	2,000.00			\$0.00
Road 1d - 0004	22× DEE	NIX BO	AD						
Activity M 400	Berbick	Treation	test (
Road District	-4								
11/14/2016	72238	11198	TALTON STRVEN W	1.5	18.62	0.83	\$15.46		
11/14/2016	77238	1012	TANKER-2000		39.52	0.83		\$32.81	
Road Id - 0004	374 DOB	BENS BC	AND						
Activity 5d 400	Sterbicid	e Treatme	iner i						
Read District	4				12.252	212.22	-0.520		
3/8/2017	72329	1116	TALTON STEVEN		13,31	1.00	\$13.31	A 1000 2011	
3/8/2017	72329	1012	TANKER-2000	1.5	42.21	1.00		342.21	
Road 1d - 0004	and DOC	WOOD	DHIYT						
Activity Id 401	Herbicid	e Treatma	red .						
Read District	- 4					Contraction of the			
11/16/2016	73240	1198	TALTON STEVEN W		18.62	0.66	\$12,29		
11/16/2010	72249	1012	TANKER-2008	1.2	78.52	0.66		\$26.09	
Road Id + 0004	\$2< DOU	BLEAC	TRCLE						
Activity 54 400	Blerband	e Treature							
Read District	- 3		WAR TIME CONTRACTOR						
1010/2016	21214	1118	THE DOW STENEN W	1.1	18.62	8.0	54.78		

Report Date: 05/15/2017

Report Id: Rpproft1.rpt

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	DIM	N	Description	Rate Id	Rate	Units	Emp-Cost	Equ Cost	Mat Cost	Coa Cost
Project ld -28-818	INFRANC	IDE PRO	GRAM							
Band Id - 0004	524 DOC	REAC	IRCLE							
Activity 14 -401	Berbicid	Treatm	est							
Road District	-3									
10/19/2016	72214	1012	TANKER-2000	1.0	39.52	6.45		\$17.29		
Road Id - 0004	55: DR.J	ENKIN	S LANE							
Activity 1d 400	Berbicid	Treates	test							
Road District	-4									
3/21/3017	73340	1198	TALTON STEVEN	1.5	13,31	0.53	: \$7.06			
3/21/2017	72340	1012	TANKER-2000	1 C	42,23	0.53		\$22.38		
Hoad Ld - 0004	56-: DRY	CREEK	LANE							
Activity 54 -401	Berbleid	Treatm	ten .							
Read District	-1									
10/20/2016	72215	1130	OUTHERY THOMAS	1. S	58.03	0.71	\$11.37			
10/20/2016	72215	1073	TANKER-2002	1 C	33.03	0.71		\$23.46		
Road Id + 0004	60-; DUR	HAM BE	DAD							
Activity M 400	Herbicidi	e Treatmi	(m)							
Read District	-4									
10/18/2016	72213	1.128	TALTON STEVEN W	E	18.62	1.00	\$18.62			
10/18/2016	72213	1012	TANKER-2000	E	. 99.92	1.00		\$09.52		
3/21/2017	72340	1198	TALTON STEVEN	1.5	13.34	0.55	\$7.96			
3/23/2611	72340	1012	TANKER-2008	1.5	42.21	8.53		\$22.38		
Boad Id - 0004	78-1 ELBI	RT STR	CE ET							
Activity M 400	Herbicide	Treatm	test .							
Road District	-#									
3/29/2017	72339	1530	GUTHERY THOMAS	- E	16.03	.0.26	- \$4.17			
3/20/2017	72339	1071	TANKER-2012	F	35.75	0.26		\$9.30		
Road 1d - 0064	II- ELLI	OTTLA	NE ROAD							
Activity 3d 400	Berbicidi	Treating	(el							
Road District	-1									
10/20/2016	93215	1530	GUTHERY THOMAS	- E -	16.01	0.71	\$11.37			
10/20/2016	32215	1071	TANKER-2002		33.03	8.71		\$23.46		
3/8/2017	72329	1530	GUTHERY THOMAS	- E .	16.01	0.62	\$9.93			
3/8/2017	32329	1071	TANKER-2002	- E	35.75	6.62		\$22.57		
Road Id - 0004	R3-: ELLI	SON DR	IIVE.							
Activity Id 401	Berbicid	r Treatine	fait							
Road District	-									
3/21/2017	72348	1198	TALTON STEVEN	1. C	13.34	4.53	\$7.06			
3/25/2017	77340	1042	TANKER-2000	- E	42.21	0.53		\$22.38		
Road Id - 0004	85: ELRI	OP NOT	INTAIN ROAD							
Activity Id 400	1 Herbicidi	Treates	Des 1							
Read District	-4									
3/25/2947	72348	1198	TALTON STEVEN	- E -	13.31	0.55	\$7,06			
3/21/2017	72340	1012	TANKER-2009		42.21	0.53		\$22.38		
Road Id = 0004	86+ ELR	OD ROA	D							
Activity 54 400	Herbicide	Treatest	end							
Read District	-2									
3/22/2017	72340	1530	GUTHERY THOMAS	F	16.01	0.43	\$6.89			
3/22/2017	72341	1071	TANKER-2002		35.75	0.43		\$15.38		
Road Id + 0004	91-: ESTE	S ROAL)							
Activity M 400	Herbicide	Trestus	les l							
Road District	-3									
10142018	72210	1130	GUTHERY THOMAS	1 C	16.01	0.72	\$11.33			
8914/2016	72210	1013	TANKER-2000		39.52	0.72		\$29.46		
Road Id - 0004	98-; FAIR	VIEW C	OVE BOAD							
Activity 3d 400	Herbicide	Treatme	fet							
Read District	-4									
11/14/2016	72238	1198	TALTON STEVEN W	8	18.62	0.85	\$15.46			
11/14/2016	72238	1012	TANKER-2000		39.52	9.83		\$32.81		
			and the second s							

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ETOWAH COUNTY - DOCUMENT SET 5-6

Dante	101.04		Description	Bate 14	Bale	Ciality.	Entry Cost	Rose Cost	Mat Cost	Can Can
Product Int . 28-018	INCREASE	IDT PRO	GRAM	NHC 10			Long Com	Erge Cont		
Read Id + 09945	S- FAIR	VIEW C	OVEROAD							
Activity M 481	Herbicide	Treatme	and the second se							
Road District	-4									
3/20/2017	72339	1198	TALTON STEVEN	E	13.31	0.63	58,39			
3/20/2017	723.99	1012	TANKER-2000	1 C C	42.23	0.63		\$25.60		
Road 1d - 00050	No. FELL	X STREE	CY.							
Activity 52 481	Herbicide	Trustine	lie lie							
Read District	-1									
3/21/2017	72348	1530	GUTHERY THOMAS	1	16.00	0.42	\$6.73			
3/21/2017	72340	1071	TANKER-2002	1	35.75	0.42		\$15.02		
Read Id + 00051	14 FIRE	TOWER	ROAD							
Activity 5d 401	Herbicide	Treatme	and the second se							
Road District	4									
3/36/2017	72348	1198	TALTON STEVEN		10.34	0.50	\$6.65			
3/09/2017	72348	1012	TANKER-2000		42.23	0.50		\$23.11		
Read 1d - 00051	2< 8111	SPERRY	FROAD							
Activity 1d -401	Herbicide	e Trenime	iel .							
Road District	-1									
3/38/2017	72339	1530	GUTHERY THOMAS	- F	16.01	0.26	\$4.17			
3/30/2017	723.99	1071	TANKER-2002		35.75	0.26		59.30		
Road Id + 00051	S< FOU	9 VALLI	EY ROAD							
Activity 3d 481	Herbicide	Treatme	and the second se							
Road District	4			2.7	1223	2012-02	1212-111			
10/3/2016	72202	1330	OUTHERY THOMAS		16.03	4.77	\$12.33			
19/3/2016	72392	1013	TROCK-PERENCIDE-2000		39.52	0,77		210.44		
3/30/2017	72348	1530	OUTHERY THOMAS		16.03	1.00	\$16.01			
3/36/2017	17348	1071	TANKER-2002	100	-30.19	1.90		310.70		
Read 1d - 00053	He FOW	LERNO	AD							
Activity 3d 401	Herbood	e Trealine	will be a set of the s							
Road Destrict	-1		OR PERSONN WORKS AND	A	100.00	4.95	411.61			
1014/2016	72219	13.99	COTHERY INCOMAS		20.03	0.72	411.20	#1# AK		
Bund Id . Martin	ALCON.	ANT IN	DAD		39.34	9.74		212.40		
Automation 14 and	Buckland.	Torne and	-							
Accuracy to were	increases a	C C C C C C C C C C C C C C C C C C C								
11/14/2014		1.000	TALLING STUDING		18.67	4.83	\$15.46			
11/14/2019	722.58	1000	TANK UK 2000		20.02	0.85	312.00	412.41		
11/2-5/2014	93338	1100	TALTON STEVEN W	100	18.62	1.28	\$23.28			
11/15/2016	100.00	1000	TANKER-300	100	10.52	1.25	812.24	545.45		
10/14/2010	72270	0001	HERITARI CARLON LA	OUTON	12.00	15.00			\$494.85	
11/2-5/20144	19110	0024	HERBEIDE, GWOEND ZEBO	PAT	8.21	1.00			58.71	
11/14/2014	77220	2000	WATER	GAL	0.00	1.005.00			\$2.00	
11/14/2014	22240	1.198	TALTON STEVEN W	1	18.62	8.76	\$14.16			
10/14/2014	72240	1012	TANKER-2000		39.52	8.26	1000	\$10.04		
10/14/2014	72340	0921	HERBICIDE-GARLON 3-A	GALLON	12.99	38-00			\$989.70	
11/16/2016	72240	0108	HERBRIDE CROCND ZERO	PINT	8.71	2.00			\$11.42	
11/16/2016	72340	2000	WATER	GAL	0.00	2,006.00			\$8.00	
Road Id - 00054	II- GAN	NON BO	AD	100	100				12414	
Activity M. 401	Herbicide	Treatme	and a second sec							
Road District	-2									
180,0016	73263	1130	GUTHERY THOMAS	1.5	16.01	0.77	\$12.33			
16/3/2016	77,200	1015	TRUCK-HERRICIDE-2000	1	39.52	0.77		\$30.44		
Road Id - 00054	66 CAR	RY ROA	0							
Activity \$1 401	Herbick	Trantas	al la							
Road District	-4									
3010917	72340	1198	TALTON STEVEN	10	13.31	0.53	\$7.06			
3/21/0917	72340	1012	TANKER-2000	1.5	42.21	0.55		\$22.38		
Band Ed - 00055	24 GEN	EBROW	NROAD							

Date	BJ M	. M	Description	Rate Id	Rair	Units	Emp Cust	Equ Cort	Mat Cost	Con Cost
Project Id -28-018	INCREME	100. PRO	KIRAM				-62			
Read 14 - 00052	St. GEN	E BROW	NROAD							
Activity Id 481	Herbicid	• Treatm	ent							
Rand District	-4									
3/62017	72329	1196	TALTON STEVEN	1	13.31	1.00	513.31			
3/8/2017	72329	1012	TANKER2000	1.	42.21	1.00		\$42.21		
3/6/2017	72329	0011	RERBEIDE-3,4 D AMINE	GALLON	13.68	22.90			\$367.80	
3/8/2017	72329	0909	HERINCIDE-OUST	POUND	25.78	8.25			\$6.45	
348/2017	71329	892.8	HERENCIDE-GROUND ZERO	PENT	8.71	1.00			\$4.71	
M8/2017	72329	2000	WATER	GAL.	0.00	1,000.00			\$0.00	
Read 14 - 09056	H+ GRA	EX BO	AD .							
Activity Id. 481	Herbield	Treatme	end							
Road District	-1		and such division in the state of the second			1.00				
10/28/2016	722115	1530	GUTHERY THOMAS		16.01	0.75	941.33	A 10 10		
10/39/2016	72215	1011	TANKER2002		33.69	0.71	10.00	921.46		
ANGULT	72329	1530	GUTHERY THOMAS		16.01	0.62	20.90	415.12		
Burd S.A. (BARK)	10.09	IR ANIS	DOMEST-STORE		38.0	. 9.64		B00.11		
Automa 12 Auto	Thomas and	Trents	No. AL							
Read Barbins	100000	e treatme								
Line Destate	72738	1100	TALTON STEVEN W		18.42	0.83	523.46			
11/14/2016	21234	1012	TANKER-3000		10.52	0.83	31.017	\$32.81		
Read Id . 0005	the CNA	IVILLE	ROAD		1000	1.1.1.1		100 A		
Activity 1d 401	Hethicid	Treates	cat							
Road District	-2		22							
10/14/2016	72210	1530	GUTHERY THOMAS		16.01	0.72	\$11.53			
16/14/2016	72210	0013	TANKER-2000	1	39.52	0.72		\$28.46		
Read Id 00059	B-: GUY	10001	ROAD							
Activity Id. 401	Herbicid	Treatm	end.							
Head District	-4									
11/17/2016	72341	1198	TALTON STEVEN W	1	18.62	1.00	\$18,62			
18/12/2016	72241	3012	TANKER-2000	1	39.52	1.00		\$39.52		
Read 1d - 00060	Do BAN	EV RD								
Activity Id 401	Herbicid	Tryatm	and .							
Road District	4									
3/8/2012	72329	1530	GUTHERY TIROMAS		16.81	0.62	\$9.93	700.025		
3/8/2017	71329	0071	TANKER-2002	1	33.75	0.62		\$22.17		
Baad 1d - 0006	48+ 10GF	ISCHO	OI. BOAD							
Activity Id 401	Herbicid	e Treatm	nit							
Road District	-2	1.000		1.00	10.00		10000			
3/20/20/17	123,99	1530	OUTHERY THOMAS		16.01	0.38	\$4.13			
3/29/2017	72339	0011	TANKER-2002	. N.	30.0	0.39		39.10		
Band 14 - 00000	Here Hills	101.10								
Arrively 66 401	House	(Literine	***							
Including the second	77210.4	1108	TALLY AND STRATEGICS		18.67	0.45	44.14			
10/18/2016	71514	1017	TANKER, MOD	1	10.45	0.45		\$17.79		
Read 1d - 0000	(8-) HILL	WAY D	R	1.1						
Activity Id. 481	Herbirth	Treatm								
Read District	-3									
10/20/2016	72215	1510	GUTHERY THOMAS	1	16.00	0.71	\$31.37			
16(20/2016	22215	DUTE	TANKER-2002	1	33.00	0.71		\$23.46		
Read 5d - 00067	78-: HOL	COMINE	DBL							
Activity M 401	Herbicto	Treatm	rat .							
Hand District	-2									
3/21/2017	72340	1530	GUTHERY THOMAS	1.1	16.00	0.43	36.73			
3/21/2017	72340	0070	TANKER-2002	1	35.79	0.42		\$15.62		
Read 1d - 00063	He BON	EVSUCE	KLE Dik							
Activity Id 401	Herbield	Treatm	ent							
2011-2220-22										

Date	DUM		Description	Rate 14	Rate	Units	Emp Cost	Equ Cost	Mai Cost	Con Cost
Project ld -28-018	INTRACO	IDE PRO	GRAM	1000	-	1000				
Read Id - 0006	80+ HON	EYSUCI	SLE DR							
Activity \$4 400	Herbicid	e Trealm	ent							
Road District	-1									
3/26/3017	72339	1330	GUTHERY THOMAS	1	16.01	6.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002		35.75	8,26		\$9.30		
Read Id - 0006	%i II00	KS LAK	E BOAD							
Activity 3d -401	Herbicid	e Treatm	ent							
Road District	-5				1.1.2.	1.1.1	1.1.1			
7/30/3011	72339	1150	OUTHERLY THOMAS		06.01	0.12	\$1.90			
1/20/2017	72539	1071	TANKER-2002		35.79	0.12		34.29	1.00	
3/36/3917	72339	2000	WATER	GAL	0.00	2,000.00			\$0.00	
3/26/2017	72339	0911	HERITICIDE-2,4 D AMINE	OALLON	13,68	22.99			\$307.80	
3/26/2917	72339	0903	HERIKEDE-FOAM BUSTER	01	5.13	0.50			50.78	
N30/3011	723.99	0928	HERBICIDE-GROUND ZERO	PINT	8.21	2.00			107.41	
Road Id - 0000	PER INCOM	ESTRE	61							
Activity to 400	PRIVINCED I	C A PERSON	cet							
Road District		1.100	The state of the second second	1.1	10000	1.00	40.64			
3/30/2017	71548	1005	TALIDAS STRAIN		45.55	0.50	30.00	1000		
A30.011	12248	1012	CHURCH BOAD		46.61	8.97		341.11		
Activity 3.1 and	Marchield	AL ION	CHERK H BOARD							
Read District	- merroecoo									
20/18/2016	01011	1100	TALTON STUNDAW		18.62	1.00	\$18.42			
10/18/2014	22213	1055	TANKER-300		38.52	1.00		\$10.57		
Band Id + 0007	19. 111.00	ST CIRC	1.F		11.04					
Activity 34 and	Buchlein	Treates								
Read District	.4									
10/3/2014	77203	1198	TALTON STEVEN W	1	18.62	1.50	\$27.99			
10/3/2014	72202	1012	TRUCK-NEROICIDE	1	39.52	1.50		\$59.28		
5/6/2017	22527	1118	TALTON STEVEN	1.5	13.31	1.00	\$13.31			
3/6/2017	72327	1017	TANKER-2008	1.1	42.23	1.00	10.00	547.21		
No.ed Ld - 0007	204 HUT	CHENS	ROAD							
Activity 54 400	Merbicid	e Treatm	end in the second se							
Road District	4									
11/16/2016	72240	1198	TALTON STEVEN W	1.1	18.62	0.86	\$12.29			
10162016	72240	1012	TANKER-2000	1	39.52	0.86		\$26.09		
Road 1d - 0007	21-; HUT)	CHENS A	VE							
Activity M 400	Berbicid	Traitin	cet .							
Road District	-3									
3/26/2017	72339	1130	GUTHERY THOMAS	1	36.01	0.26	\$4,17			
3/36/3047	72339	1071	TANKER-2002	1	35.75	0.26		39.30		
Road Id + 0007	26< IND4	AN CAN	IF ROAD							
Activity M 400	Berbield	e Treation	1991							
Road District	-5						5223			
3/26/2011	72339	1530	GUTHERY THOMAS		35.01	0.26	\$4,17	1000		
3/26/3017	72339	1071	TANKER-2002		35.75	0.26		\$9.30		
Hoad Id = 0007	THE INDE	AN HILL	L BUSAIS							
Activity Id 400	Derbicid	e Treatio	teo							
Road District	-1	1	descent of the second second second		11/2	1.200	1000			
5/9/2017	71329	1130	OUTHERY THOMAS		16.01	0.82	39/39			
100/2011	12323	1001	TANALER-2002		25.75	0.62		344.17		
Houd Id = 0003	AND IN AL	12.111	OFF ROAD							
Activity M. 401	annece	e areanas	CBH							
Read Destrict	Sec. 1		TAUTON STRUCT IN		10.00	1.0040	10.10			
10190000	10000	1000	TANYER, SHAREN		10.02	0.45	24.10	417.30		
Band Id - door	all a Dires	Richard	Transfer of the		14.12	0.45		411.19		
Activity 14 and	Barblette	Term								
second 22 400	and the second									

Date	DJ 14	M	Description	Rate 14	Rate	Units	Emp Cost	Equ Cost	Mat Cost.	Con Con
Project 14 -28-808	-THERBIC	IDE PRO	IGRAM							
Band 64 - 9995	40-C IVAN	ROAD								
Read Deniel	Hertosta	e treasm								
HOME DON'S		1100	Y 41 TOTAL PROPERTY.	2.2	41.71	1.00	812.20			
3962917	323390	1013	TALVUN STRAEN	1.1	43.51	1.00	30.53	641.11		
Areast.	743,90	1912	1/0/02/06-2000	. A.	46.21	1.00		34171		
Autoin 14 Auto	and and	The second second	NAIL.							
Activity in whi	Herbecos	e treatm	001							
Passed Destroyer			THE ROOM STREET, THE		49.94	1.64	613.34			
3462017	14347	1195	TANKER, 2000	1.1	49.93	1.00	91.0.34	841.70		
Band Ed. about	TANET	CHOICE COL	Linder and a second second	- 1. L	46.61	1.00		242.21		
Autority 14, 451	Herbicks	Territor	et. L.L.							
Arrison in and	a serverse	e a reason								
NORT DESIGN	777.44	+110	CONTRACTOR DATES		10.00	1.00	214.00			
10000011	22,948	11000	TANKER MAN	122	36.91	1.00	319.01	814.78		
Distant - DOWN	Chi HENR	THE ROAD	TRANSPORT OF		10.11	1,000		300.13		
Particular Ind Deputy		11000								
Activity 52 400	Blerbesse	Chronie								
Road Diateset			CONTRACTOR OF TRACTAGE OF	100	1.04.00	1.00	1010.00			
30902947	72348	1130	OUTPERT THOMAS	100	30.01	1.00	210.00	wine the		
3/34/3913	72348	10071	1ANAE8-2002		35.75	1.00		330,12		
Road Ed = 00005	6.5+ .28369	CY C BO	18							
Activity 1d 400	Herbickh	e Treatm								
Road District	-2	i alter	COLUMN DE MINISTRE A LES	23						
30303017	223.99	1300	OUTHERY THOMAS		05.01	0.25	34.17	40.14		
30960917	123,09	1071	TANKER-2002		10.29	0.28		20.30		
Housd Ed 0000	ees JEAR	OY LASS								
Activity 14 -401	Berbacada	e Tresles	181							
Road District	-1			100	100.00	110.00	in section of the			
3/22/2947	72341	1120	GUTHERLY THOMAS		15.01	0.42	56.30			
3/22/0817	72340	1671	TANKER-3002	the state	35.75	0.43		312.36		
Road Ed - 0000	254 2088	NI. 5301	TH BOAD							
Activity 3d 400	Herbickh	e Treatao								
Read District	and and	1.000	No. of Concession, Name of Street, or other	11						
3/6/2017	72327	1198	TALION STEVEN		13.31	0.59	30.00			
3/6/2017	72327	1012	TANKER-2000	- N.	42.21	0.90		20111		
Hoad Id - 0007	76-; 20102	WALL	SROAD							
Activity M 401	Berbackb	Trealm	00							
Road District	-	1120	which the second second second	210	100.00	1.00	201.00			
10/15/2016	722.99	1198	TALIUN STEVEN W		18.62	1.25	\$23.28	1 March 1997		
10/15/2016	72239	101.2	TANKSR-2000	- 14	39.52	1.25	2010/01/01	245.40		
3/9/29/17	723.90	1198	TALION STEVEN		43.31	1.00	\$13.34			
3/9/2011	72338	1012	TANKER-2000		42.21	1.09		942.21		
Road Ed = 0000	80-C 2000	909 C	BOLLE							
Activity 1d 400	Herbicki	Trealm	CR.I							
Road District	-2		the residence of many or an a	- 20	100.000					
10/19/2016	72214	1130	GUTHERY TIKIMAS	1 C	15.01	0.59	58.00			
10/19/2016	72234	100.1	TANKER-2902		33.05	0.50		\$19.23		
3/9/2017	723390	1530	OUTHEORY THOMAS		38.91	0.43	56.89	Sec. 1		
3/9/2012	72304	1001	TANKER-2002		35.75	0.43		\$15.34		
Hoad Id - 0007	84+ JO6P	NSON IO	040							
Activity 14 400	Herbickh	e Treatm	0404							
Road District	-2				1.1.1.1.1.1.1.1.1					
3020947	72340	1150	OUTHERY THOMAS		16-01	0.43	\$6.89			
522(2017	72548	1051	TANKER-3002	- E.	35.25	0.43		\$15.38		
Hoad Id - 0007	55: JON	IS CITAT	PEL RD							
Activity 51 -401	Herbick	Treatm	end i							
Road District	-1									
10/14/2016	72210	1530	GUTHERY THOMAS	8.1	16:01	0.72	311.53			

Report Id: Rppro012.rpt

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	DUM	M	Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cost Can Cust
Project 14 -28-019	-120CHBRC	IDE PRO	GRAM	Sta 1924 - 1			- 0 II	100	
Road Id - 0007	984 JON	ES CHAR	EL RD						
Activity 3d 40	E Herbicid	Trealm	Had						
Read District	1-3								
10/14/2016	72299	1013	TANKER-2000	E	39.52	0.72		\$28.46	
Road 1d = 0007	95: 3050	RA TRA	LTR.						
Activity 1d 40	E Herbicidi	Trestm	and the second se						
Road District	1 -1								
3/38/2017	72339	1530	GUTHERY THOMAS	E	16.08	0.26	\$4.17		
3/26/2017	72339	4071	TANKER-2002	1	35.15	0.26		\$9.39	
Hoad Ld - 0007	974 JUL	DEDR							
Activity 3d 40	t Herbicide	Treaties	and the second se						
Read District	1.4								
11/17/2016	72245	1198	TALTON STEVEN W	1	18,62	1.00	218.45		
11/13/2016	72348	1912	TANKER-2090		39.52	1.00		\$39.51	
Road Id + 0008	14-: KEII	HROAD							
Activity 55 40	E Berbicidi	e Treatme	net						
Road District	1 - 4								
11/12/2016	72248	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62		
11/17/2016	72341	1042	TANKER-2000		39.52	1.00		\$299.53	
Road 1d - 0008	116-: KER	RELAND	E.						
Activity 5d 40	1 Horbicide	r Treatma	and the second se						
Read District	1- 4	1999	그는 아이에서 가지 않는 것이다.	3.5	124	11.23	21.51		
3/9/2017	72330	1198	TALTON STEVEN		13.34	1.00	\$13.31	2224	
3/9/2017	72330	1012	TANKER-2000	1	42.21	1.00		\$42.21	
Road 1d + 9908	IBA KER	II LAND							
Activity Id. 40	t Herbicide	c Freature	at .						
Read Destroy	in the second	1100	The second strength strength of the	100	100.00	1.00	2010/01		
3/9(2047	72330	1158	TALTON STEVEN		10.90	1,00	317.34	4.45.51	
3/962081	72300	1012	LANKER-2000		42.23	1.00		342.21	
Road 3 d - Porte	HIS-C INDER	SILAW Q	STAR HERS RD						
Activity 1d 40	1 Hermon	Treatme	net.						
Mand Destinat	22110	10.00	CONTRACTOR OF TAXABLE		14.04	0.41	40.00		
1002057	723409	13.00	TANKER MAN		16.04	0.62	30.00	410.02	
Nordia 100	11. KH 1	11.0.010	CONTRACTOR OF THE OWNER			0.00		A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.A.	
Automotion I.S. All	i Berbirde	Treating							
Read Barrier									
ELD&ORA6	77240	1196	TAUTON STEVEN W		18.67	0.66	\$12.29		
EUTRONIA.	72140	1012	TANKTE-2000	100	39.43	0.66	414.47	676.00	
Read Id - DOM	ON KRE	INVER	ROAD			0.00		2000,007	
Activity 54 48	I Herbirth	Treatme	-						
Band District	-1								
3/29/2017	72134	1510	OUTHERY TROMAS	1.55	-16.01	0.26	34.07		
3/30/2017	123.29	1471	TANKER-2002		35.75	0.26	AL6022	39.30	
Read Ld - 0008	41+ LAC	CEY GA	FROAD					10000	
Activity M. 48	I. Illectricide	Treatme	and the second se						
Hand District	-1	12.51	7						
3/36/2012	72348	1198	TALTON STEVEN		13.34	1.00	\$13.31		
3/36/2017	72348	1912	TANKER-2000		42.73	1.00		\$42.21	
1/36/2017	72348	0011	FERENCIDE-2.4 D AMINE	GALLON	13.68	11.00			\$150.48
3/30/2017	72348	0009	HERINGDE-COST	POUND	25.78	1.00			\$25.78
1/30/2012	72348	0928	HERINGIDE-GROUND ZEBO	PINT	8.74	1.00			\$8.71
3/30/2012	77348	2000	WATER.	ALAL.	0.00	1,000.00			\$0.00
Read Id - 6008	HI-LAN	ECIRCI	£	2000					10000000000
Antivity 54 -48	Horbicid	Treatme	at						
Read District	-2		Shinaha na						
3/21/2017	72340	1530	GUTHERY THOMAS	1	16.03	0.42	\$6.73		
3/21/2017	72340	1873	TANKER-2002	1.1	35.75	0.42		\$15.62	
			to be been and the set of the set						

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ETOWAH COUNTY - DOCUMENT SET 5-6

Report Date: 05/15/2017

Report Id: Rppro012.rpt

Bute	DIM	. M	Description	Rate M	Rete	Units	Emp Cost	Equ Cost	Mail Cest	Cos Cos
Project Id -28-018	INTRAC	IDE PRO	IGRAM	Same Contraction	2.201					
Road Id + 606W	71 < 1.AK	EVIEW	DRIPTE							
Activity M 401	Herbicid	e Treating	entil							
Road District	-1									
10/18/2016	72213	1198	TALTON STEVEN W	- ES	18.62	1.06	\$18.62			
10/18/2016	72213	1012	TANKER-2000	1.5	39.52	1.00		\$19.51		
Road 1d - 0008	97< LA88	STER.D	RIVE							
Activity 1d 401	Berbicid	r Trustee	east .							
Band District	-2									
3/22/2017	77.541	1530	GUTHERY THOMAS	E	16.00	0.43	\$6.89			
3/22/2017	72341	1073	TANKER-2002	E	35.75	0.43		\$15.38		
Road 1d - 0009	12+ LEB	LNON R	OAD							
Activity Id 481	Herbicid	e Treatma	cal							
Road District	-2									
3/21/2017	72348	1530	GUTHERY THOMAS	1.	16.03	0.47	\$6.73			
3/21/2017	72340	1071	TANKER-2002	1.1	35.75	0.42		\$15.02		
Read 1d - 0009	19-: LEE.	AVENU	E							
Activity 54 401	Berbicid	e Trealm	3an							
Head District	- II.									
61/18/2016	72242	1198	TALTON STEVEN W	E	18.62	1.50	\$27.93			
01/18/2016	72242	1012	TANKER-2000	1	. 39.52	1.50		\$39.28		
11/18/2016	72342	0921	HERBICIDE-GARLON 5-A	GALLON	32,99	15.00			\$494.85	
11/18/2016	72342	0928	HERBICIDE-GROUND ZERO	PINT	8.71	1.00			58.71	
14/18/2016	72342	2000	WATER	GAL.	9.00	1,000.00			\$0.00	
Read 1d - 0009	22+ LIES	ROAD								
Activity Id 481	Berbick	e Treatmi	and the second second							
Read District	-4									
10/3/2016	92202	1198	TALTON STEVEN W	E	18.62	1.56	\$27.98			
19/3/2016	72282	1842	TRUCK-ORIHNCIDE	1	39.52	1.50		\$39.28		
3/21/2017	72348	1198	TALTON STEVEN	1. C	13,50	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1.5	-42.31	0.53		\$22.38		
Read 1d - 0009	47- L.B.J.	IAN AV	ENKE							
Activity 54 481	Herbicid	e Treatm	eat							
Road District	-10 C									
11/18/2016	77242	1198	TALTON STEVEN W	E	18.62	1.00	\$18.62			
11/18/2016	72342	1012	TANKER-2000	1.1	39.52	1.00		\$39.52		
Road 1d - 0009	58+ 1.IPS	COMBI	XX.							
Activity 1d 4H1	Herbicid	e Treatmo	cat							
Boad District	-2									
10/20/2016	72215	1530	OUTHERY THOMAS	E	16.03	0.74	\$11.37			
10/20/2016	72215	1071	TANKER-2002		33.05	0.71		\$23.46		
Road Id - 0009	63-: LIST	ERFER	RY BOAD							
Activity 54 401	Herbicid	e Truscus	ring .							
Rand District	-4									
10/17/2816	72242	1.198	TALTON STEVEN W	- C	18.62	2.00	\$37.24			
19132016	72212	1012	TANKER-2000		39.52	2.00		\$79.04		
Read Id - 0009	es: LITT	LE COV	EBOAD							
Activity M 481	Herbició	e Treatma	nat							
Read District	-4									
3/9/2017	72338	11198	TALTON STEVEN	1.5	0.34	1.00	\$13.31			
3/9(2017	72330	1042	TANKER-2000	1.C	42.21	1.00		\$42.21		
3/30/2017	72139	1198	TALTON STEVEN	1. S	13.51	0.63	\$8.39			
3/36/2017	223.99	1012	TANKER-2000	1 S	42.21	0.63		\$16.60		
Road 1d - 0989	69-c LITT	LETON	CUT OFF ROAD							
Activity 1d 401	Herbicid	Treatme	inf.							
Read District	-1									
10/15/2016	72214	1198	TALTON STEVEN W	£	18.62	1045	\$8.38			
10192016	72214	1012	TANKER-2000	1.5	39.32	0.45		\$17.79		
Read Id - 0000	76-: LUTT	LEDON	BOAD							

Date	0.114		Description	Rate M	Rete	C'uits	Emp Cost	Equ Cost.	Mat Cost	Con Cast
Project Id -28-018	INIBROC	IDE PRO	GRAM	5-040-0	1000	- 00000	101100000			5 - C - A - B
Road Ed ~ 00097	No. LITT	LETON	ROAD							
Activity 1d 401	Berbicid	Treatm	cost .							
Road District	-3									
10/19/2016	72214	1198	TALTON STEVEN W	- E.S.	18.62	0.55	\$10.35			
10/19/2016	72214	1012	TANKER-2000		39.52	0.55		\$21.34		
10/19/2016	72214	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	15.00			\$494.89	
39/19/2006	72244	0928	HERBICIDE-GROUND ZERO	PINT	8,71	1.00			58.71	
10/19/2016	72234	2000	WATER	CLAL.	0.00	1,000.00			\$0.00	
Band Ed = 00097	76-1 LON	GATEW	DRUVE							
Activity M. 401	Berbicia	Treates	cart .							
Road District	-1	1414								
3/23/2917	72341	1550	GUTSIERY THOMAS		18.03	0.43	24.34			
3/22/2017	72341	1071	TANKER-3002		35.75	0.40		212.36		
Head Id - 0000	773 L086	S BOUAD								
Accury 14 400	Berbicio	e Treamas	191							
Road Destroit	- Innis	1000	Wat have entry and at	100	10.42	1.00	6777.003			
11/18/2010	74244	1198	TALOUN STEVEN W		18.04	1.50	311.40	0.00		
Band Ld . (0000	10242	IF INCOM	EANNER-2000		19.54	1.59		\$79.74		
Automation - Control	March 1404	In Deliver	- Becker							
Accurry at such	discriminal a	e Treature								
Mond Manner	71561	1000	CONTRACTOR OF THE OWNER.		14.01	4.77	617.15			
10/1/2016	99360	1043	THEFT HERET STREET		30.01	4.77	312.33	110.44		
Road Ld . (b)(0)	10 DOP	INF C DR	Call		39.04			200.44		
Activity 34, 400	Berkield	Trents								
Read District	-1		-							
1222017	12242	11500	OUTDINKY THOMAS	10	14.01	0.43	54.89			
1/23/2017	72544	1071	TANKER - 2002	100	25.75	0.41		\$15.38		
Road Id - 0009	8- MAC	EDOND	ROAD							
Activity M. 401	Berbinid	Treatme								
Read District	-1									
1020017	22340	1110	OUTHERY THOMAS	1.1	14.01	0.43	56.87			
30230011	72341	1071	TANKER-2002	1.2	35.75	0.40	35-775	\$15.38		
Road 1d - 0030	124 MAP	LE DRIV	TE .		Circh.			0.000		
Activity 54 400	Sherbicide	Treatme	and the second se							
Read District	-4									
11/19/2016	72243	1116	TALTON STEVEN W	1	18.62	8.00	\$18.62			
11/19/2016	72242	1012	TANKER-2000	1.1	39.52	1.00		\$39.57		
Road 1d - 00301	13-1 MAP	LE DRIV	TE CONTRACTOR							
Activity Id 401	Herbicide	Tresim	and the second second							
Read District	-4									
3/26/3017	72539	1118	TALTON STEVEN	1.2	13.31	0.63	58.39			
3/26/2017	12109	1012	TANKER-2008	1	42,23	0.65		\$26.00		
Road Ld - 00393	19-: MAP	LEWOO	ND ROAD							
Activity 51 -401	Berbicid	Treatme	and the second se							
Read District	.1									
10192916	72234	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10192016	72214	1012	TANKER-2000	1.2	39.52	0.45		\$17.79		
Road I d - 00103	174 MAR	TIN BO.	AD.							
Activity 54 400	Berbició	Treatme	net .							
Road District	-2									
3/26/2017	72339	1530	GUTHERY THOMAS	E	35.01	0.26	\$4.17			
3/29/2017	72109	1071	TANKER-2002	1.1	35.75	0.26		\$9.30		
Read Ld - 0039-	65+ MAT	TSMIT	IROAD							
Activity 51 401	Herbicid	Treatme	end.							
Road District	-1									
3/29/2017	72347	1530	OUTHERY THOMAS	1	16.03	1.09	\$16.01			
3/29/2017	72347	1071	TANKER-2002	- E -	35.75	1.00		\$35.75		

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ETOWAH COUNTY - DOCUMENT SET 5-6

Date	02.14	14	Description	Bate M	Rete	1 with	Emp Cost	Eqs Cost	Met Cest	Con Cost
Project ld -28-818 Road Id - 0010	DISTRIBUTION OF STREET, MAY	DE PRO	SGRAM LE							
Activity 54 401	Herbicide	Treatm	end .							
Road District	-4									
10/18/2016	32213	1198	TALTON STEVEN W	1	18.62	0.50	\$9.31			
10/18/2016	72213	1012	TANKER-2000	10	39.52	0.50		\$19.76		
3/21/2017	72340	1198	TALTON STEVEN	1.0	13.31	0.53	\$7.06			
A210917	72540	1012	TANKER-3800		42.21	0.53		\$72.38		
Road Id - 0010	50. MAY	OROAD	D		0.0000					
Activity 1d -400	Berbicide	Treates	tent (
Road District	-1									
10/18/2016	72213	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
10182006	72213	1012	TANKER-2000	1	39.52	1.00	0225	\$39.52		
3/38/2017	22539	1198	TALTON STEVEN	1	13.31	0.63	58.39			
3/20/2017	22339	1012	TANKER-2000		42.21	4.63		\$26.00		
1010017	72340	1198	TALTON STEVEN	1	13.31	0.53	\$7.06			
3010017	72340	1012	TANKER-3000	1.	42.21	0.53		\$22.38		
Road Id - 0010	SI-I MAY	O ROAD	DISOUTH							
Activity 5d -400	Herbicide	Treatm	fait							
Road District	-4									
10/18/2016	72213	1198	TALTON STEVEN W	1.2	18.62	1.00	\$18.62			
10182016	72213	1002	TANKER-3000		39.52	1.00		\$19.52		
11/14/2016	73234	1298	TALTON STEVEN W		18.62	0.87	\$16.20			
11/14/2016	72238	1012	TANKER-2000		39.52	0.87		\$34.39		
11/14/2016	72238	0821	HERBICEDE-GARLON 3-A	GALLON	32,99	15.00			\$494.83	
11/14/2016	72236	0928	HERBICIDE-GROUND ZERO	PINT	8.71	1.00			\$8.71	
10/14/2016	72238	2000	WATER	GAL.	0.09	1,008.00			\$1.60	
Road Id - 0030	534 MCC	ARVER	DRIVE							
Activity 54 400	Herbicide	Treatm	teres and the second							
Road District	-3									
3/20/2017	723.19	1120	GUTHERY TIKIMAS	£	16.01	0.36	\$4,17			
3/36/2017	72339	1071	TANKER-2002	1.1	35.75	0.26		\$9.39		
Road 1d - 0010	62+: MCO	OURT F	ROAD							
Activity 14 400	Herbicide	Treatm	ext							
Road District	-4									
3010917	72348	1198	TALTON STEVEN	F	13.31	0.53	\$7.86			
3/23/2917	72340	1012	TANKER-2000	1.1	42.21	0.53		\$22.38		
Road Id - 0010	63+: MCO	OV LAS	SE.							
Activity M 400	Berbicide	Trents	diad.							
Road District	-1									
5/9/2017	72330	1100	OUTHERY THOMAS	1	06.01	6.0	\$6.89			
5/9/3017	72530	1071	TANKIR-3803	1.	35,75	0.45		\$15.38		
Road Ed = 0010	654 MCC	OV BO	AD							
Activity M 401	Berbició	Treatm	cart							
Road District	-2									
10/19/2016	72214	1530	OUTHERY THOMAS	8	55.91	8.59	\$8.00			
10/19/2016	72214	1071	TANKER-2902		33.03	0.58		\$16.52		
Head Id - 0010	66-: MCC	URLEY	ROAD							
Activity 14 403	I. Herbieish	r Trewim	ent							
Road District	4.7									
3/29/2917	72339	1198	TALTON STEVEN		13.31	0.63	\$8,39			
5/29/2017	72339	1012	TANKER-2000	8 C	42.21	0.65		\$26.60		
Road Ed - 0010	70-< MCC	LAINC	IRCLE.							
Activity M 400	Herbicidi	Treatm	ret							
Road District	-2									
3/8/2017	72329	1530	OUTHERY THOMAS	1. C	35,01	0.62	59.93	10000		
3/8/2017	72329	1071	TANKER-2802	1 I.	35.75	0.62		\$22,17		
Road Id - 0010	Net MCW	HORT	CR ROAD							
Activity 14 401	Herbichh	Treates	ead							

Detr	0.3 34	. M.	Description	Rate M	Retr	Units	Emp Cost	Equ Cost	Mat Cost	Con Cast
reject M -28-018-	PRERENC	IDE PRO	GRAM		12,000	-000.020	1000			120200
Boad Id - 00107	564 MCW	HORTE	REDAD							
Activity 14 401	Herbicide	Treates	int constant							
Read District	-4									
3/8/2017	72329	1198	TALTON STEVEN	F	13.39	1.00	\$13.31	No. 1911		
3/8/2017	72329	1012	TANKER-2000	- E	42.21	1.00		\$42.21		
Road Id - 00109	No: MILL	ER HOI	LOW BOAD							
Activity 14 400	Herbicide	Treatme	and the second se							
Road District	-4									
11/19/20106	72242	6198	TALTON STEVEN W		18.62	0.50	39.34			
11/19/2016	72242	1012	TANKER-2000		39.52	8.50		519.76		
Hoad Ld - 00101	7- MILI	BULAS	CE CONTRACTOR OF							
Activity 54 -401	Berbich	Trantmo	-							
Road District	-		No. of Concession, Name	100		1.11				
3/26/2013	72399	1198	TALTON STEVEN		10.31	0.65	38.79	414 14		
3/39/3017	72339	1012	TANKER-200		42.21	6.63		216.60		
Road Id - 00,00	NE-C NUMB	USA STI	NULL I							
Activity to 401	Herbicals	CONTRACTOR	167							
Road Destroit	-1	1000	The local strategies and	10.00	100.00	10.00	877.63			
11/18/2010	73242	1118	TALIUS STEVEN W		18.02	1.59	327.90	0.000 38		
1010-0010	12.042	And a second	LANKIN-2000		10.54	1.39		210.25		
Activity 14 and	Marklan,	AL-YUR	NO STREET							
Accord Fictures	1		· · · · · · · · · · · · · · · · · · ·							
1/12/2011	71141	1000	CUTHERY TROPAGE		16.01	0.43	74.00			
10202017	93545	40.91	TANKER, 2000		36.05	6.43		\$11.18		
Boad Ld . 00201	NOL:	IVLAN	N CONTRACTOR OF CONTRACTOR		40.10			21.7.54		
Activity \$1,451	Herbleich	Trantas								
Read District										
1/73/2017	22341	1150	OUTHERY TROMAS	12	16.01	6.43	56.85			
1/72/08/17	22141	1071	TANKER_390	- 22	25.75	0.41		\$15.38		
Boad Ld - 00383	1- M00	DYS CH	APELBOAD	-1				and the		
Activity M. 401	Marbielde	Treatme								
Road District	-4		Tranca assessment							
3/6/2017	71527	1198	TALTON STEVEN	1	13.51	1.09	\$13.31			
1/6/2017	72127	1012	TANKER-2000	- 13 ·	42.21	1.00	28830	\$42.21		
Houd 1d - 00203	6-: MOS	LEY RO	AD	- D.C.				35200/		
Activity 51, 400	Herbicide	Treatme	el .							
Road District	.2									
30142916	72210	1100	OUTHERY TIKMAS	1.0	16.01	0.72	\$11.53			
10/14/2016	72210	1013	TANKER2000	1.	39.52	0.72		\$28.46		
Road Id - 00294	D- MOU	NTAINT	PASS BOAD							
Activity Id 401	Herbicide	Treatme	et .							
Read District	+1									
3/29/2017	72347	1130	GUTHERY THOMAS	1.2	16.01	1.00	\$26.03			
3/29/2017	72347	1071	TANKER-2002		35.75	1.00		\$35.15		
Hoad Ld - 00204	43-1 MOU	NTAINI	RIDGE ROAD							
Activity 14 401	Herbicide	Treatme	el l							
Road District	-4									
3/6/2017	72327	1198	TALTUN STEVEN	1.2	13.31	1.00	\$13.31			
3/6/2017	72525	1012	TANKER-3000	1.2	42.21	1.00		\$42.21		
Road Id - 00205	TA MER	PHILICE	VALLEY ROAD							
Activity M 401	Herbicide	Treatme	ret							
Read District	-4									
10/12/2016	72213	1198	TALTON STEVEN W	1.5	18.62	2.00	\$37.24			
10/17/2014	72212	1012	TANKER-2000	1.1	39.52	2.00		\$79.04		
		A 1.000	The Print Print Print Print Print	1 C C	10.45	1.75	871.28			
10/15/2006	722.99	1198	TAPTING STEADS &		18,54	1.4.7	APR-0.40			
10/15/2006	72239	1012	TANKER-3900	13	39.52	1.25		\$49.40		

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ETOWAH COUNTY - DOCUMENT SET 5-6

Report Id: Rppro012.rpt

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Preis			Description	Barry S.A.	Bate	a bailte	Free Cost	Ener Cost	Mar Cost	Carton
Product Rd . The same	10000	THE PROPERTY	CRAM	note al		1.000	and a second	and a come	Sector Const	Con Con
Boad Ed - 0020	ST< MUR	PHREE	VALLEY BOAD							
Activity \$4,400	Berbicide	Treatmy	(mt							
Road District	-4									
3/26/2017	12339	1012	TANKER-3000	1.0	42.21	6.63		\$25.60		
Read Id - 0028	59-: MYR	ICK LA	NE							
Activity \$4 400	Herbicide	Treates	and the second se							
Road District	-2									
503/0917	72340	1330	GUTHERY THOMAS	1 C C	16.03	8.42	\$6.73			
3/21/291T	72340	1021	TANKER-2002	1 C C	35.75	0.42		\$15.62		
Read Ed - 0030	764 NEW	BOME	ROAD							
Activity 54 400	Herbicide	Treatme	cw1							
Road District	98	10.23	2.2012.000.000.000	102	11122	1220	285.0			
3/8/2013	72339	1198	TALFON STEVEN		13.31	1.00	\$13.31			
3/8/2017	72329	1012	TANKER-2000		42.21	1.00		342.21		
Hand Ed - 0028	THE NEW	HOP2.1	NOAD .							
Activity 13 400	Herbicole	Transie	1997							
Road District	-1	1000	CONTRACTOR V THE REAL	100	100.00	10.00	1002-00			
100/2016	722002	1013	THE R. T. LEWIS CO.		30.47	6.77	\$12.55	1000000		
Bood Ed. (0020)	ALC: NOTE:	TH CAN	PERSON NEWSFER		36.54	8.75		270.44		
Activity 14, 400	Barbicide	Transie								
Read District	.3		The second second second second							
5262617	72516	1110	OUTHERY THOMAS	1.1	16.01	0.26	\$4.17			
509(19)7	T2339	1071	TANKER-3802		35.75	0.36	1.0.0	\$9.30		
Road Id - 9020	06 : NOR	THEMO	NC DR		0.555	1.000				
Activity 14, 401	Herbicide	Trestm	ent							
Road District	-5									
3/20/3917	72539	1130	GUTHERY THOMAS	E	56.01	0.26	\$4.17			
5/20/2017	72339	1071	TANKER-2002	- E -	35.75	0.26		\$9.30		
Road 14 - 0029	974 NOR	TON HO	MESTEAD ROAD							
Activity 14:400	Herbicida	Traile	eed to be a set of the							
Road District	-3									
10/19/2016	72214	1138	TALTON STEVEN W		18.62	0.45	\$8.34	12222		
10/19/2016	72214	1002	TANKER-2900		39.52	0.45		211.79		
Road Ed - 0020	63+: OAK	CIRCLI	6							
Activity 1d 401	Herbicide	Treatme	end							
Road District	and the second		NAMES OF A DESCRIPTION OF	100	10.00					
3/20/2017	22339	1198	TALION STEVEN		43.31	0.60	28.79	674.65		
Scientifi and	12009	TANKS I	CARBOAR		44.44			3.00.00		
Activity Id. 400	Buchlah	Tourise	the second							
Band District										
3/30/2017	22348	1118	TAUTON STEVEN	122	13.32	0.94	36.66			
1/16/2017	72348	1012	TANKER-2000	100	42.21	0.50		\$21.11		
Read 54 - 0025	16 OLD	BLUFF	ROAD	1.0	1000	1000		Sec. 9.5. Aug. 1		
Activity 1d 401	Herbicide	Treatme	and the second se							
Road District	-4									
3/9/2017	72330	1198	TALTON STEVEN	1	13.31	1.08	\$13.38			
3/9/2017	72330	1012	TA36KER2000	R	42.21	1.00		\$42.21		
Road 84 - 0021	19+ OLD	GADSD	EN-CENTRE HWY							
Activity 5d 401	Berbicide	Trestee	ent							
Road District	-1									
3/21/2017	72340	1150	GUTHERY THOMAS	1 I	16.01	0.42	56.73			
3/21/2017	72340	1021	TANKER-3002	25 B.S.	35.75	0.42		\$15.02		
Hoad 54 - 9923	20+ OLD	GALLA	NT BOAD							
Activity Id: 400	Herbickle	Truine	end							
Read District	-4		The statistical strends and the	22						
11/15/2016	17736	1196	DALION STEVEN W	- 10 C	18.62	1.25	\$23.28			

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ETOWAH COUNTY - DOCUMENT SET 5-6

Report M: Rppro012.rpt

Ibate	DUM		Description	Bate M	Retr	Units	Emp Cost	Equ Cost	Mai Cert	Cea Cest
Project Id -28-018	-INTRAC	IDE PRO	GRAM							
Houd Id + 0021	20-; OLD	GALLA	NT ROAD							
Activity M 401	Herbicidi	Trents	ent							
Road District	-4									
31/15/2014	72239	1012	TANKER-2000	1.0	39.52	1.23		\$49.40		
Boad Id + 6021	22+ OLD	неко	RY ROAD							
Activity M 401	Herbicide	Treatm	test (
Road District	-3									
10182016	72213	1100	GUTHERY TIROMAS		16.03	2.50	\$46.03			
30/18/2016	72213	1071	TANKER-2002	1	33.03	2.50		\$92.58		
5/9(2017	72330	1559	GUTHERY THOMAS	1 C	56.03	0.43	\$6.89			
39/2017	72334	1071	TANKER-2002	E	35.75	0.43		\$15.38		
Boad Id - 0021	29+ OLD	SEPERT	MILL ROAD							
Activity 3d 401	Herbició	Treates	test .							
Read District	4									
10/3/2016	72202	1330	OUTHERY THOMAS	1.5	16.01	0.72	\$12.33			
19/3/2016	72262	1013	TRUCK-HERBSCIDE-2999	1 C	39.52	9.77		\$30.44		
Road 1d - 0021.	32< OLD	FIELDS	EO.4.D							
Activity M 481	Herbicid	Treates	ter l							
Road District	-4									
3/8/2017	72329	1198	TALTON STEVEN		13,34	1.00	\$13.31			
3/8/2017	72329	1012	TANKER-2000		42.21	1.00		\$42.21		
Road 1d - 0021.	33-: OLD	FORD V	ALLEY ROAD							
Activity 54 401	Herbicid	Treatm	fan l							
Read District	40.00									
10/3/2016	72202	1120	OUTHERY THOMAS		16,03	9.77	\$12.33			
10/3/2016	72362	1013	TRUCK-DERINCIDE-2000	1.2	39.52	0.77		\$30.44		
3/30/2017	72348	1530	OUTHERY THOMAS	L	16.01	1.00	\$16.01			
3/30/2017	72348	1071	TANKER-2002	1	35.75	1.00		\$33.25		
Road Id - 0021-	43-: OVE	RLOOK	BOAD							
Activity M 401	Berbicid	e Trenime	trad							
Read District	-3									
3/30/2017	72348	1198	TALTON STEVEN		13,34	9.50	36.66			
3/30/2017	72348	1012	TANKER-2000	1. C	-42.21	8.50		\$21.11		
Road 1d - 0021	49-(OWL	SHOLL	OW BOAD							
Activity 3d 401	Herbicid	e Treatme	len len							
Read District	4		Contract of the state of the		120.07	21242	200.00			
9914/2016	72230	1130	OUTHERY THOMAS		16.01	0.80	\$12.01	1000		
1014/2016	72200	1013	TANKER2000		39.52	0.80		511.62		
Road 1d + 0021	65- PATI	FRSON	DRIVE							
Activity 3d -401	Berbicida	e Tresline	col .							
Road District	-2				1.1.1.1.1.1.1					
10192016	72214	1130	GUTHERY THOMAS		05.01	0.50	38.01			
10152016	72204	1021	TANKER-2002		33.03	0.50		\$16.52		
3/9/2017	72330	1330	OUTHERLY THOMAS		16.01	0.40	20.30			
M942007	32330	1001	TANKER-2002		35.75	6.45		\$13.38		
Road Id + 0021	68- PAT	HIGSON	BOAD							
Activity Id 401	Herbicid	r Treatma	ten t							
Road District	-3		and the local data and the local data and	1.1	1000	1.44				
3/9V2017	72330	1330	OUTHERY THOMAS		16.01	0.45	56.89			
5/9/2017	72539	1071	TANKER-2002		39.75	0.40		312.34		
Road 1d + 0021	774 PEAI	H TREE	ELANE							
Activity 11 401	Berbicish	e Tresler								
Road District	-)		WAR STREET							
1/36/2017	72348	1198	TALIOUN STEVEN		13.34	0.39	30.66			
1096/2013	72548	1012	1ANKER-2000		42.21	0.50		\$21.11		
Housd Id = 0021	THE PEAD	CON N	DAD							
Activity 3d 400	merbicide	C Treatma	000 C							
Road Destract	14									

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Barr	101.64	14	Description	Rule M	Here	(inter-	Eres Cost	Eco Cost	Matthe	Con Con
Product Int 78.015	ANDREAM	INC PRO	CRAM	Point inc			and the	Cigo Com		
Road Id - 09213	TP-: PEAR	ISON R	DAD							
Activity Id 481	Herbicid	Treatm	ent							
Road District	-2									
3/29/2017	72)43	1530	GUTHERY THOMAS	1	16.01	1.50	\$34.02			
3/29/2017	72347	1871	TANKER-2002	1 C	35.75	1.50		\$53.63		
Road 1d - 00215	IS-: PERM	HANLA	KE ROAD							
Activity 54 481	Herbicid	e Treatm	cel.							
Read District	-4									
11/17/2816	72248	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
11/17/2016	72341	1012	TANKER-2000	1	39.12	1.00		\$39.52		
Road 1d - 00211	RT+ PERS	ALL DS	RIVE							
Activity M 481	Herbicid	Treatm	cat							
Read District	-2									
3/21/2017	72340	1530	GUTHERY THOMAS		16.00	0.42	\$6.73			
3/21/2017	72340	3474	TANKER-2002		35.79	0.42		\$15.02		
Road 1d - 09211	15-: PHAI	RR CIRI	1.6							
Activity Id 481	Herbicide	e Trealas	len l							
Road District	-3									
10/19/2016	72204	1198	TALTON STEVEN W	- F	18.62	0.45	-58.78			
10/19/2016	72214	1812	TANKER-2000	1	39.52	0.45		\$17.79		
Road 1d - 09215	98-; PIKE	ROAD								
Activity M 481	Berbicid	Treatme	rat							
Read District	-1						10001			
10/14/2016	72290	1530	GUTHERY THOMAS.		16.00	0.72	\$11.53	10020		
10/14/2616	72210	1013	TANKER-2000	1	39.52	0.72		\$28.46		
Road 1d - 68223	Ibs PHLG	RIMS R	EST ROAD							
Activity M 481	Herbicide	t Treatmo	est							
Band District	-H			1.000	1000					
3/29/2017	12347	1530	GUTHERY THOMAS		16.01	1,00	\$15.01			
3/29/2017	72347	ISTI	TANKER-2002		35.75	1.00		\$35.75		
Read 1d - 10212	IZ-C PRINE	CHICL								
Activity Id. 481	Berbitid	e Treatme	read							
Read District	-									
3/28/2017	72339	1198	TALTON STEVEN		13.34	0.63	38.79	414.00		
3/2/9/2017	723.99	5012	TANKER-2000		42,23	0.63		\$25.66		
Road Id - 9922-	ID+ PINE	AIEW C	INCLE							
Activity Id. 481	Herbicid	e Freatan	net							
Road Destrict	-		The second second second second	1.00	100.000	1.00	1000			
1117/2016	32244	3198	TALTON STEVEN W		18.62	1.00	318.52	1015-010		
11/17/2016	72241	1012	LANKER-2000		- 39.54	1.99		\$14.54		
BOOMS 14 - 09215	os riti	SURIA								
Activity for 441	Hermon	C LITCHEM	CD4							
Road Destroat	-8	1.000	TAL YOU PTENDS IN		18.45	1.00	212.67			
11/18/2016	12242	1198	TANKER-NOO	1.0	30.43	1.00	218.94	419-51		
Really agent	11. PE 11.	SAN'T B	IIII CHERCHER		10.04	1.96		A16.55		
Automatic and Anti-	Harddoodd	Treatme	and Chieve and the							
Read Distant										
1/16/2017	221.44	1100	TAL TON STRUCK	1.1	10.00	0.50	41.64			
1/16/2017	77148	1017	TANK'ER., 2020		42.21	0.50		\$71.11		
Read Id - 0077	O. PLEA	SANTS	ALLEY ROAD			4.75				
Activity 14 Ant	Berlints	Treater	and a second second							
Read Blocks	-4									
11/17/2014	77544	1150	TALYON STEVEN W	1.12	10.47	0.146	\$18.42			
11/12/2014	72341	3813	TANKER-2000		39.42	1.00		\$19.51		
Real Id - 0977	The POPP	BOAD	Contraction of the second	512	deres.	1.11				
Activity M. 484	Herbield	Treatm	ent							
Read District	.2		50.							
and a second of	11									

Dute	IDJ DJ	м	Description	Rate Id	Bate	Children	Emp Cost	Equ Cest	Mat Cest Cost Cost
Project Id -28-018	INERSIC	IDE PRO	GRAM		199	100	250395345		
Road 1d - 0022	13+ POPI	ROAD							
Activity M. 401	Herbich	Treatme	and a second sec						
Read District	-2								
3/26/2017	72338	1550	OUTHERY THOMAS		16.01	0.36	\$4.17		
3/39/2017	72399	1075	TANKER-2082	1	35.75	0.28		\$9.30	
Road 1d + 0022	SAL POCI	NETT BI	DAD						
Activity fill 481	Herbicid	e Treatme	and the second second						
Band District	-2								
10/19/2016	72244	1530	GUTHERY THOMAS		16.01	0.50	58.01		
10/19/2016	72314	1871	TANKER-2002		33.63	0.50		\$26.52	
3/9/2017	72130	1530	GUTHERY THOMAS	1	16.65	0.43	\$6.89		
19087	72330	1071	TANKER-2002	1	35.75	9.43		\$15.38	
Road 1d - 0022	SS- PULL	TIGHT	BOAD						
Activity Id 401	Inviticial	Treatme	nat						
Band District	-2								
3/22/2017	72340	1530	OUTHERY THOMAS	1	16.01	0.43	\$5.89		
3/22/2017	22341	1071	TANKER-2082	1	35.75	0.43		\$15.38	
Read 1d - 0022	85-: QUA	RRY RO	AD						
Activity Id. 401	Rechicle	Treatme	and .						
Road District	-1								
99/5/2014	72360	1530	OUTHERY THOMAS.		16.01	0.77	\$12.33		
00/3/2016	21382	1813	TRUCK-HERBICIDE-2009		39.52	0.77	00000	\$30.44	
Read Id + 0022	SI- BAR	ILLION	NEOAD		1000	-17275		100000	
Activity Id. 481	Hechicle	Treatme	and the second se						
Read District	-1								
84/9/964	77500	1430	CUTHERY TROAMS		16.05	0.77	\$12.33		
10/2/2014	72340	1013	THEN'S METERAL TOP		10 12	0.77	******	\$10.44	
Read 14 - 0023	DE RAN	DALL R	DAD		27.78				
Activity 14 481	Borbirde	Treatme	and .						
Road District	-4								
11/16/2016	77740	1194	TALTON STEVEN W	1.1	18.62	0.66	\$12.29		
11/16/2016	71745	1017	TANKER-2000		39.12	0.64	4.444	126.09	
Read 1d - 0925	12. RAVI	FORD R	DAD		0000	2.222		Canada S	
Activity Id. 481	Beckield	Treatme	and a second sec						
Read Biotrics									
14/2017	72127	1150	TALTON STEVEN		13.31	1.00	\$13.31		
3562017	72327	1042	TANKER-2000	1.1	42.75	1.00		\$42.21	
Read Id - 4023	17- 88D	HILL CI	ILINCH BOAD	- 80					
Autivity M. 481	Borbicia	Treatme	and the second se						
Read District	-1								
10/15/2016	72244	1198	TAUTON STEVEN W	1.1	18.62	0.45	\$8.38		
101162014	79794	1012	TANKER-2000	1	39.42	0.45		\$17.79	
Read 1d - 0025	IN- RED	MOUNT	AIN ROAD					0.440.8403	
Activity M. 481	Berbicid	Treatme							
Read District	-1		Control to Control State						
10192016	72244	1198	TALTON STEVEN W	1	18.62	0.45	38.38		
10/15/2016	72214	1812	TANKER-2000		39.12	0.45	1201012	\$17.79	
Road 1d - 0025	MA RIDE	A.E.S.BE	NDROAD	-	1000	0.000			
Activity 54 484	Herbicid	Treatme	land						
Read District	-4								
11/17/2016	72240	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62		
11/17/2014	72241	1817	TANKER-2009	1	39.42	1.00	1.000	\$19.52	
11/12/2014	22241	0924	HERBERT OF CARLON LA	GALLON	37.99	15.00			\$494.81
1072044	72241	0028	HERBICIDE-GROUND ZERO	PINT	8.71	1.00			58.71
10/17/2014	72341	2000	WATER	-GAL	0.00	1,008.00			\$0.00
Read Id - 0075	48 CRIVE	RCLIE	FDSIVE	2.71572	0.000				922222011
Activity 34, 481	Berbield	Treatme							
Road District	-2								

Report Date: 05/15/2017

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			0.7	÷.,			

Date	DUM	. N	Description	Rate M	Rate	Units	Emp-Cost	Equ Cost	Mat Cost Cost Cost
Project Id -28-918	INTRAC	IDE PRO	GRAM						
Hoad Id - 0023	48-: HIVE	R CLIF	FDRIVE						
Activity M 401	Berbicid	· Treating	end .						
Read District	-1								
3/20/2017	72319	1130	OUTHERY TIROMAS	1.5	56.03	0.26	54.17		
3/20/2017	72339	8071	TANKER-2002	1.5	35.75	0.26		\$9,30	
Road Id + 0023	50 c RIVE	RORN	K.						
Activity M 400	Herbició	Treates	fail						
Read District	-2								
3/22/2017	72341	1530	OUTHERY THOMAS	1	16.01	9.40	\$6.89		
3/22/2017	72341	1071	TANKER-2082	1	35.75	0.43		\$15.58	
Road 1d - 0023	59-; RIVE	REN	ROAD						
Activity M 401	Herbicid	Treatm	cel .						
Road District	-1								
3/31/2017	72340	1130	OUTHERY THOMAS	E	16.01	0.42	\$6.73		
3/21/2017	72340	1071	TANKER-2002	E	35.75	0.42		\$15.62	
Road Id - 0023	60-1 RIVE	RSIDE	DR						
Activity M 400	Berbicid	Treates	est						
Road District	-1								
3/21/20HT	72340	1120	GUTHERY THOMAS	1.1	06.01	0.42	\$6.73		
3/21/2017	72349	8071	TANKER-2002	1.1	35.75	0.42		\$15.40	
Read Id - 0023	66+ NOR	TH RIVI	ERVIEW LANE						
Activity Id. 400	Herbicki	Treatme	tell.						
Read District	-5								
3/30/2017	72339	1130	GUTHERY THOMAS	R	16.01	0.26	54.17		
3/26/2017	72339	1071	TANKER-2002		35,75	0.26		\$9.30	
Road Id - 0023	68-: HIVE	RWOOI	D DRIVE						
Activity \$3, 401	I Berbicid	Treatm	ent la						
Read District	-1								
10/19/2016	72214	1536	GUTHERY TROMAS	1.1	16.01	0.59	58.04		
30192016	72214	1071	TANKER-2002	1.1	33.03	0.50		\$16.52	
3/9/2017	72330	1536	OUTHERY THOMAS		05.01	0.43	56.85		
3/9/2011	72338	1071	TANKER-2002	1.5	35.75	0.43		\$15.38	
Road Id + 0023	49< ROB	BENS HE	IANCH BOAD						
Activity M 400	I. Herbield	Tresim	ent						
Road District	-4								
3(2)/0917	72340	1198	TALTON STEVEN	18	13.31	0.53	\$7.06		
3210017	72340	1052	TANKER-2000	E 2	42.21	0.53		\$22.38	
Head Id - 0013	75-: BOB	ERTSD	RIVE						
Activity M 401	Herbicki	(Treatm	and the second						
Read District	-1								
109/0917	32339	1530	GUTHERY THOMAS	1. I.	16.01	0.26	54.17		
5/26/2917	72539	1071	TANKER-2002	1.5	35.75	0.26		\$9.30	
Boad Ld - 0023	814 BOB	INSON F	ROAD						
Activity 1d 401	Herbicki	e Treatm	cet						
Boad District	-4								
11/16/2016	723/40	1198	TALTON STEVEN W	- E	18.62	0.66	\$12.29		
10/16/2016	72240	3012	TANKER-2000	1	39.52	0.66		\$26.09	
Hoad Id - 0023	83+: BOC	K BRID	GE ROAD						
Activity 1d. 401	Herbicid	e Trestm	101						
Road District	-4								
11/06/2006	12340	1198	TALTON STEVEN W	- C.	18.62	0.66	\$12.29		
11/16/2016	73240	1012	TANKER-2000	1	39.52	0.66		\$36.09	
Band 1d - 0023	864 BOC	KY FOR	ID ROAD						
Activity M 401	Herbicid	Treatm	end .						
Boad District	-2								
10/14/2016	72210	1530	GUTHERY THOMAS	1 C	16.02	0.72	\$11.53		
10/14/2016	72210	0913	TANKER2000	- E	39.52	0.72		\$28.46	
Read 8d - 0023	87-; ROC	KY BOI	LOW CUT-OFF						

Date	IMM	H	Description	Note 1d	Rate	Cuits	Keep-Cost	Equ Cost	Mat Cest	Con Con
Project ld -28-012 Road Id - 0023	FIREREIC	IDE PRO	SERAM LOW CUT-OFF							
Activity 1d 40	I Herbichi	Treatm	end							
Road District	1-4	10000								
10/16/2016	72340	1198	TALTON STEVEN W	1	18.62	0.66	\$12.29			
10/16/2016	72240	1012	TANKER-2000	1	39.52	0.65		\$25.09		
Read 1d - 0023	188-: ROC	KY BOI	LOW ROAD							
Activity 14 40	i Bleebäckö	Trutte	and the second							
Road District	1.4									
31/16/2016	722.40	1198	TALTON STEVEN W	100	18.62	0.66	\$12.29			
11/16/2016	72240	1012	TANKER-2000	- E	39.52	0.66		\$26.09		
Road Id - 0023	796+ ROD	GERS N	OAD							
Activity Id 40 Road District	I Herbició 1 -3	e Treatm	ent							
15/19/2006	72214	1198	TALTON STEVEN W		18.62	0.45	\$8.38			
15/19/2016	2223.4	1012	TANKER-2000	100	10.52	8.45		\$17.79		
Band Id - 0023	194+ BOL	LING ID	ILLS BOAD							
Activity M. 40	I Bleebleid	Treatm	est.							
Read District	1.1									
1/26/2017	12119	1150	GUTTHER Y THOMAS	1.2	16.01	0.26	54.17			
1/20/2017	22539	1071	TANKER-2002	1.0	35.75	0.26		59.30		
Read Id - 0024	IS. BOS	DRIVE	D		11000	11.000		1-20501		
Activity 1d -40	i Herbicid	Truin	(m)							
Road District	1.2		197 - 199 (c. c. c							
1010017	72340	1130	OUTHERY TIKIMAS	1	36.01	0.42	\$6.73			
3/21/2917	72340	1071	TANKER-2002	1	35.25	0.42		\$15.02		
Boad Id - 0034	HA-: BOW	AN DRI	VE		100	0.002		100000		
Activity 14 40	I Berbicid	Treatm								
Road District	1-3									
3/36/2917	12348	1196	TALTON STEVEN	1.7	13.31	0.58	\$6.66			
1/10/2017	72548	1012	TANKER-2000	1.2	42.21	0.58		\$21.11		
Read Ed - 0024	074 BOW	AN-JAC	ORS ROAD							
Autolity 1d. 40	I. Herbick	Treatm	101							
Road District	1-4									
11/14/2010	722.98	1158	TALTON STEVEN W	1.2	18.42	0.83	\$7.5.46			
10/14/2006	72238	1012	TANKER-2000	- E	39.52	0.83		\$32.81		
Hoad Id - 0024	1244 BUN	TAN RO	AD							
Activity 1d 40	I Herbicid	e Treatm	eni							
Road District	1.2									
5202817	12139	1130	GUTHERY THOMAS	1	16.01	0.26	54.17			
3/20/2017	72339	1071	TANKER-2002	8.1	16.25	0.26		\$9.30		
Boad 1d - 0024	126-: RUSS	ELL RO	0AD							
Activity 1d: 40	1 Herbicid	Treatm	***							
Read District	1.2									
3/22/2017	12341	1530	OUTHERY TROMAS	1	16.00	0.43	56.89			
3/22/2017	72341	1071	TANKER-2002	1	38.75	0.43		\$15.38		
Houd 54 - 0024	135-: SAM	UBLAC	HAPEL ROAD							
Activity 1d 40	1 Herbick	e Treatm	ent							
Road District	1-4									
11/14/2016	72238	1198	TALTON STEVEN W	1.	18.62	0.83	\$15.46			
18/14/2016	72238	9912	TANKHI-2000	1	39.52	0.83		\$32.81		
11/15/2016	12239	1198	TALTON STEVEN W	1	18.62	1.25	\$13.28			
13/15/2016	72239	9912	TANKER2000	¥	39.12	1.25		\$49.80		
Read 14 - 0024	45-: SAR	RATT B.	ATTLES ROAD							
Activity Id 48	I Herbicid	Treatm	end							
Boad District	4-3									
10/19/2014	72214	1198	TALTON STEVEN W	1.1	18.62	0.45	\$8.38			
16/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17,79		
Read Id - 6634	HE- SATI	CERETE	LD LANE							

Date	DJ M	14	Description	Rate M.	Rate	Unite	Enn Cost	Low Cost	Mat Cost	Can Can
Project Id -28-018	INCOME	IDE PRO	REAM				The present		Contraction of the local division of the loc	
Road 1d - 9824	46+ SATI	ERFIEL	DLANE							
Activity M 481	Herbicid	Treslate	red.							
Read District	-2									
3/21/2017	72340	1530	GUTHERT TROMAS	1 .	16.00	0.42	\$6.73			
3/21/2017	32340	1071	TANKER2002	I	38.75	0.42		\$15.02		
Road 1d - 6034	54+ SCIR	OOL RO	AD							
Activity 1d 481	Herbick	Treatma	net							
Boad District	-4									
3/21/2017	72,840	1198	TALTON STEVEN		13.31	0.53	\$7.06			
3/21/2017	72340	1912	TANKER-2000	1	42.21	0.53		\$22,14		
Road 1d - 0024	65-; SELAI	DY GRO	VEROAD							
Activity 1d 401	Berbició	r Tresim	red							
Road District	-1				2003	0.7722	12222			
10/17/2016	72312	1198	TALTON STEVEN W	3	18,62	2.00	\$37.24	100000		
10/13/2016	22212	1012	TANKJER-2000		39.52	2.00		\$79.94	10110	
10/12/2014	72212	8921	PERSECTOE-GARLON N-A	GALLON	32.99	13.00			\$494.85	
16/13/2016	122113	1928	HERREIDE-GROUND ZERO	PINT	8.71	1,00			38.71	
10/17/2016	12313	2000	WATER	CAL.	6.00	1,000.00			30.09	
Read \$2 - 9824	at a sama	TEALT	INE							
Activity 1d -401	Herbick	Trialmo	rad .							
Road Division	-	-	And in the second second			1.00	A11.74			
3/9(2017	T2300	1159	TALTON STEVEN		10.01	1,00	202.00	A		
A942017	32330	1912	TANSJER-2000		42.21	1,00		841.21		
Hoad ba - 0024	85-C 5401.8	GCD. LA	Si.							
Activity Id. 401	Hermine	e i reatmo	tas.							
Hand Deerres	12141	1010	CONTRACTOR THEOREM	2.5	16.00	0.47	84.95			
30202007	10.041	LATE	TANKER - MOT		14.75	0.43	20.89	415.18		
Read Ld . 8834	SHIT SHITL	OH ROA	AD		30.73	0.00		40,000		
Activity 54 401	Herbicks	Treatme	and .							
Read District										
11/19/2014	12142	0.1196	TAUTON STEVEN W	107	10.42	1.00	10543			
LUTR/2016	72342	1912	TANKER-2000	1	39.92	1.00	11111	\$39.52		
Road 14 - 0024	93-: SBOH	RELAND	DRIVE	201	0.000					
Activity 14, 401	Berhield	Treatme	and .							
Read District	-2		10							
1/20/2017	72339	1536	GUTHERY THOMAS	1	16.61	0.26	\$4.17			
3/20/2017	72339	6071	TANKER-2002	1	\$5.75	0.26		\$9.30		
Read 5d - 0824	OF- SERE	RTSTR	DET S			1000				
Activity Id. 401	Herbicid	Treatma	end							
Boad District	-11									
10/5/2016	122102	1530	GUTHERY THUMAS	1	16.01	0.77	\$12.33			
185/2016	32282	1013	TRUCK-HERBICIDE-2900	1	39.12	0.77		\$30.44		
Read \$4 - 8824	99-c SILE	R ROAL	B.							
Activity 14 401	Herbick	Treatme	and the second sec							
Boad District	-2									
16/25/2016	72245	1536	GUTHERY THOMAS	1	16.81	0.71	\$11.37			
16262016	72215	3971	TANKER-2002	1	33.09	0.71		\$23.46		
Read Id - 0025	00-: SILO	ROAD	A Marcine and a second s							
Activity Id 481	Herbicid.	Treatmo	end							
Road District	-4									
16/18/2016	72213	1198	TALTON STEVEN W	1.	18.62	0.50	\$8.31			
1918/2016	72213	8912	TANKER-2000	1	39.52	0.50		\$19.76		
3/21/2017	12348	1198	TALTON STEVEN	1	13.31	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1	47.25	0.53		\$22.34		
Road 1d - 0025	05-c SEMS	CHAPT	L CHURCH ROAD							
Activity Id. 401	Herbicide	Tresimo	rat							
Read District	-2									
Road District	-2									

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					32.53		2.63.2223	S374345	100000000	
Date	DJM	M	Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Cost
Project 1d - 28-818 Boad 1d - 8025	1 THEREOC	IDE PRO	SGRAM GL CHURCH ROAD							
Activity Id. 401	t Herbicid	Treatm	101							
Road District	1-2									
5/6/2017	72329	1539	GUTHERY THOMAS	10 C	36.04	0.62	59.93			
3/6/2017	72329	1071	TANKER-2002	1.0	35.75	0.62		\$22.17		
Read 14 - 0025	30-: SMIT	H BOA	D.							
Activity Id. 401	I Herbicki	e Tresies	ent .							
Road District	1-2									
10/29/2016	72214	1539	OUTHERY THOMAS	- C.S.	35.91	0.50	58.01			
10/19/2016	72214	5071	TANKER-2002	8	35.05	0.50		\$16.52		
3/9/2017	72330	1530	OUTHERY THOMAS	1	16.94	9.43	36.89			
3/9/2017	72330	1071	TANKER-2002	The Real	35.25	8.43		\$13.38		
Boad Id - 0025	04+ SNE	DLAN	E.							
Activity M 400	f Herbició	e Treatm	cief							
Road District	tel									
11/14/2016	72238	1198	TALTON STEVEN W	8. C	18.62	0.83	515.46	1. Table 1. Table 1.		
11/14/2016	72238	1012	TANKER-2000	. E.	. 29.52	0.83		\$33.81		
Read Id - 0025	83+ SPIN	KS DOD	VE							
Activity M. 401	1 Herbicid	e Treslin	est							
Road District	1-1						100			
10/19/2016	72214	1130	GUTHERY THOMAS	1. S	15.01	0.50	\$8.04	12.522		
10/19/2016	72214	1071	TANKER-2002	L C	33.03	0.50	222	\$16.52		
3/9/2017	72330	1530	OUTHERY THOMAS		36.04	0.4)	\$6.89	002,050		
3/9/2017	72330	8071	TANKER-2002	510 C	35.75	9.43		\$13.38		
Road Id - 0025	604 SHG	LESTA	TION ROAD							
Activity 14 400	I Herbicid	e Treatm	ent							
Road District	t +6	493.9			752402	1-1-0.2	041203			
31/17/2006	72241	11168	TALTON STEVEN W	1. C	18.62	1.00	518.62			
11/17/2016	72248	1012	TANKER-2000		39.52	1.00		\$39.52		
Hoad Ed - 0025	874-SUM	ATANG	A ROAD							
Activity 3d 400	Berbicid	Treatm	ew1							
Road District			A on the second second second			1000	P113 P14			
11/56/2016	73240	1198	TALTON STEVEN W	- <u>50</u>	18.62	0.66	211134			
10/06/2006	72240	100.2	TANKER-200		39.52	0.65		158.09		
Hoad Id - 0025	994 SUM	MERSE	TLANE							
Activity 14 400	F Herbicid	e Treatm	181							
Road District	1-2 		CONTRACTOR OF THE OWNER, NAME	2.7	1000	1.22	Cardena a			
10/19/2016	72214	1300	OUTHERY THOMAS	122	39.01	0.59	38.00	10000		
10/19/2016	72214	1071	TANKER-2002		20.00	0.30		310.52		
3/9/2012	72390	1530	GUIDERLY TROMAS		26.01	0.43	36.89	444.44		
3/9/2017	72338	1071	TANKIN-380		30.79	0.40		312.78		
Housd Ed - 9020	084 TAN	MY TR.	418.							
Activity be -400	1 Herbicio	c Treate								
Road District	-1		conceptions would need							
302312007	02341	1100	CUTHERT THOMAS		10.01	0.43	36.37	414.14		
32222911	72340	1971	TANKER-28/2		30.75	0.40		\$12.74		
Hand Dd 0020	LPS LAN	The state	n. n.							
Activity to 400	1 Hereico	e a reason	CH1							
Road Destroy	-2		CONTRACTOR OF THE OWNER.	100	10.00	6.24				
5404917	222.00	1100	TANK D		14.01	0.26	24.17	PO 10		
Band Id. anti-	ALL TATE	IL DAY IN	NINE WEEK			0.48		80,00		
Automatic and	Berting	Terret	111 1 11 11 11 11 11 11 11 11 11 11 11							
Accordy 14 doi	a serverse									
House District	22220		CONTRACTOR OF THE OWNER	10 C	1.14	10.24	10000			
10000017	71514	1000	TANEED OWN		10,000	0.26		100 100		
Boad Ld	TALL TRUE	STREET, NO.	DAD .	- 50 -	20.70	6.19		20,00		
Automa bit con	L Berting	Torrest Re								
Accord 10 491	a manufacted	1111110								

Dute	BJ M	м	Description	Rate fd	Bate	Units	Emp Cast	Equ Cost	Mat Cest	Cas Cost
Project Id -28-018	TREASIC	IDE PRO	GRAM							
Read 1d - 0036	21 - TERI	IELL BA	DAD							
Activity 54 401	Herbiride	Trestm	int							
Read District	4			1.2.1	0.0212	10013	1.200			
10/18/2046	72210	1198	TALTON STEVEN W	1	18.62	1.00	\$68.62	California -		
10110/2016	72213	1012	TANKER-2000	L	39.52	1.00	10000	\$39.52		
3/21/2017	77349	1198	TALTON STEVEN	1	13.31	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1	42.21	0.53		\$22.58		
Road 14 - 0926	26-: THO	MP20N	BRIDGE ROAD							
Activity 64 401	Herbicide	Treatme	red							
Read Division	-4		The La Party in the later of the	100						
3/21/2017	72348	1198	TALTON STEVEN		13.31	0.53	\$7.96			
3/21/2017	72340	1012	LANKER-2000		42.23	0.53		\$22.58		
Read 1d - 0026.	38× 1190	istros.	LAKES							
Activity 6d -401	Inviteda	Treatmo	ent.							
Read Destruct			of the second second second	122	14.00	10.004	833.00			
10/20/2014	7229.5	1550	OUTHERY THOMAS	1.1	10.09	0.73	341.10	Card and		
10/20/2016	12215	THE D	TANKER-2002		33,89	0.14				
Booad 14 - 0026.	20-C 11000	CHL B	END HOAD							
Activity fill 401	Heriscole	e Freitis	CM .							
Read Sectors	-2		CONTRACTOR AND		14.00	0.74	80.17			
5282017	123399	13.90	COTHERY DROMAN		10.00	0.26	24.11	89.10		
3/20/2017	121.09	1011	TANKER-DRI		30.19	0.26		39.30		
Booded 3-0 - 99726.	Jec FENS	LEA ST	NUMB ROAD							
ADDARY IN 188	Herbied	Treatme	cad							
Rand Destrict	-Z		CONTRACTOR TRACKED	100	10.00	5.66	845.05			
00182016	12213	15.90	CONTRERT DROSEAS		10.00	2.00	\$10.00	683.08		
001102016	72213	101	TANKER-2012		33.03	0.00	100.000	364.76		
0019/2016	72214	15,90	OUTHERY THOMAS		10,00	0.50	34.01	#14.4%		
10/19/2016	72214	1911	TANKER-2012		33.03	0.30	1000	\$19.54		
3903917	12330	1530	GUTHERY THOMAS		16.00	0.43	30.39	1.000		
592847	723.00	1011	TAPALEK-2002	- 102	33.13	0.40		\$12.28		
Read 14 - 1926.	ALL TON	CATRO	UAD .							
Adverty ld -401	Hurberte	r Freatus	ene							
Include Designed		1000	CONTRACTOR DATES	12	16.00	0.71	\$11.32			
10/20/2019	10212	1272	TANKER 100.000		22.02	0.71		1771.44		
Really Mr.	AL. TRAIL	1 Marian	DI ANE		48.00	9.14		80.5.49		
Activity I.I. 484	Harbield	Treater								
Read Biomics		e sream								
1000001	111114	1510	CETHERY THEMAS	63	16.01	0.26	\$4.17			
1/30/2017	20330	1071	TANKER-2002		35.76	6.26	49.13	\$9.30		
Read Id - DOA	H- TICI	CER MO	RINTAIN BOAD		0.000					
Autivity 54, 481	Buchield	Trustes	and the second							
Read District										
10/1/2016	77700	1158	TALTON STEVEN W	1	18.62	1.50	\$27.93			
10/1/1015	91565	1017	THEY ADDREDT	10	29.82	1.50		859.28		
Read 1d - 0026	die TUM	UNCH	ICLE	- C.	1000	1.000				
Activity M. 401	Berbicid	Treatme	and .							
Read District										
1/72/05/7	97543	1530	CRITHERY TROMAS	1.1	16.01	4.43	\$6.85			
1/13/2017	77341	1071	TANKER-2002		35.25	0.43		\$15.38		
Road Id - DEM-	AL TIM	UNGA	PROAD							
Activity 54 481	Berlink	Treater	and a second second							
Read Distance	-4									
1074/2016	72218	1100	TALTON STEVEN W	10.5	18.42	10.00	315.46			
11/14/2014	10104	1047	TANKER-3000		39.55	0.85	-1-1-1	10.00		
11/11/2016	22234	1298	TALTON STUVEN W		18.67	1.25	\$23.28	1000		
10100000	22230	1042	TANKER		29.52	1.24	212.00	5.02.48		
10.000000		1010	CONTRACTOR OF THE PARTY OF THE							

Dute	DJM	14	Description	Rate M	Rate	Calt	Teng Cost	Equ Cost	Mai Cesi	Cos Cost
Project M - 28-818 Road Ld - 0036	SO-CTUR	IDE PRO	GRAM WN ROAD							
Activity 1d 40	l Herbició	Treatme	ant .							
Read District	1.12									
3/22/2017	72343	1138	GUTHERY THOMAS	1	16.05	0.43	\$5.89			
1/72/0047	72848	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Read Id - DOM	AL TIM	VER MO	UNTAIN BOAD		201010					
Autolay 54 - 40	Statistics.	Transford								
Read District	1.1									
10/3/2016	01000	11100	CETHERY THRACAS	1.1	16.00	0.76	\$12.17			
10/1/2016	93503	1001	THEY WERE THE YOU		39.47	0.76	and of	\$10.04		
100/0017	22248	1430	COMPANY THEALAS		14.64	1.00	\$16.04			
10000017	TTUAN	1000	TANKER, 2002		24.74	1.00		815.75		
Burgers and	DC. NATI	IN STR	LANGER-DATE		33.15	1.00		A10,15		
Board In - Doub	COLUMN T		C.E.I							
Activity to 40	1 Incrision	e areanas	Child Child							
Road Destract	annin .	1000	CONTRACTOR DESCRIPTION	2.5	14.00	0.00	44.75			
3/23/3047	72340	13.90	OUTHERT DIOLOG		06.00	0.42	367.03	1000		
3/25/2947	72340	1971	TANKER-2002		30.79	0.42		312.84		
Read 1d - 0036	THE VAL	LETVIE	o cincia							
Activity 1d 40	B Rerbició	e Trusline	test							
Road District	1-1									
10/3/2016	73203	1330	GUTHERY THOMAS		16.03	9.77	\$12.33			
10/3/2016	72202	1003	TRUCK-DERINGIDE-2000		39.52	0.77	1.1.1.1.1	336.44		
3/30/2017	72348	1330	OUTHERY THOMAS		16.03	2.00	\$32.82	823233 C		
3/30/2017	72348	1071	TANKER-2002		35,75	2.00		\$71.90		
Read Id + 9036	85; VAD	GHIN RO	AD							
Activity M 40	1 Herbicide	e Treatmu	call .							
Road District	r-4.									
11/14/2016	72238	1198	TALFON STEVEN W	E	18.62	0.85	\$15,46			
11/14/2016	72238	1012	TAMEER-2000	- C	39.52	0.83		\$32.81		
3/36/3011	723.99	1198	TALTON STEVEN	- E.	13.31	0.43	58,39			
3/30/3017	72339	1012	TANKER-2009	1	42.21	0.63		\$26.60		
Road 1d + 0027	23+: WAR	ID ROAD								
Activity Id 40	I Herbické	e Treatme	test .							
Road District	1-2									
1918/2016	72213	1130	GUTHERY THOMAS	8.00	05.01	2.50	\$40.03			
39382916	72243	1071	TANKER-2002	1.5	33.03	2.50		\$82.58		
10182016	72213	2000	MATER.	GAL	0.00	1,508-00			\$8.60	
391:82016	72213	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	38.00			\$989.20	
10182016	72213	0928	HERINCIDE-GROUND 2580	PINT	8.71	2.00			\$17.42	
10182016	72213	0953	HERBCIDE-FOAM BUSTER	QT	5.15	0.25			\$1.29	
10/19(2016	72214	1130	OUTHERY THOMAS	1	16.01	0.58	58.00			
10192016	72214	8071	TANKER-2002	1.1	33.03	0.50		\$16.52		
3/9/2017	72130	1150	GUTHERY THOMAS	1.1	36.01	0.43	\$6.89			
3/9/2017	72530	1071	TANKER-3002	100	35.75	0.43		\$15.34		
Road Id - 0023	25-1 WAR	RIORY	ALLEY ROAD							
Activity 1d -40	1 Herbicia	Treatme	and the second se							
Read District		10.22	S							
10/3/2016	71385	1115	TAUTON STEVEN W		18.62	1.00	\$18.67			
10/0/2016	22260	1012	THE N'N HE REAL THE	10	39.53	1.00		\$39.52		
16/3/3916	32200	0001	HERBICIDE-CARLON NA	GALLON	33.00	11.00			5094.85	
10/1/2014	12200	19974	HERBICE'S -CHICK NO. NO.	PROT	6.71	1.00			18 11	
10/1/10/10	222241	2000	WATER	CAL	8.00	1,000,00			50.00	
10.010010	25155	1100	TALLING STEVEN	1	12.35	1.66	613.24		10.00	
10002011	- And Carl	1000	TANKED THE	100	43.31	1.00	212.21	0.000		
246-2913	222247	1000	LEVEL COLOR	and and	34.44	0.34		- and - all	10.41	
2460017	76887		INCOMPLEX AND A PARTY	CALLCON	12.08	12.44			\$167.65	
AME/2011	VENE!	0991	HERER DO-2A D ANEXE	GALLON .	1.0.00	1.00			44.75	
14/3017	74327	19628	HERER, R.RCORDONO ZERO	1041	8.71	1000.00			10.00	
the second se		and the second se				the second second second			and a second second	

- 20	1000								-	-
Date	DIM	N	Description	Rate M	Rate	Cuits	Emp Cast	Equ Cost	Mail Cost	Cen Cod
Project Id -28-818-	INTRAC	IDE PRO	GRAM							
Hand Ed - 00273	90-: WAT	ERTOW	ER HOAD							
Activity 1d 400	Berbichh	Treatme	(a)							
Road District	-		Was more entries and		100.00		87.04			
1212017	72340	1178	TAUDON STEVEN		43.53	0.50	3.049	473.34		
Nord Ed. (1977)	12540	NUMBER OF	1/250/EE-2009		10.01					
Activity 34 and	Harbield,	ALCO D	Pi							
Read District	-1									
35/19/2016	22214	1298	TAUTON RTEVEN W	1.1	18.42	1045	10.30			
10192046	72284	1013	TANKER-2000		39.52	0.45		\$17.29		
Band Id - 00274	O. WEST	ONLA	KE ROAD		1.000	0.00		22002		
Activity 3d 401	Herbicide	Trantes	and the second							
Road District	-4									
10/17/2016	72241	1198	TALTON STEVEN W	F	18.62	1.100	\$18.62			
11/17/2016	72241	1012	TANKER-2000		39.52	1.00		\$39.93		
Hand Id - 00274	44 ; WES	FHILL S	SIDE DRIVE							
Activity 54 400	Herbicide	Trestme	tell.							
Road District	-4									
10/15/2016	72239	1198	TALTON STEVEN W	E	18.62	1.25	\$23.28			
11/3/5/2016	72239	1012	TANKER-2000	- E	39.52	1.25		549.40		
Boad Id - 00275	S. WHE	PERM	G PINES ROAD							
Activity Id 400	Herbicide	Truches	ent .							
Road District					11513	11.25	22.22			
10192016	72214	1198	TALTON STEVEN W	F	18,62	0.45	\$8.38	1000		
10192016	72244	1012	TANKER-2990		39.52	9.45		313.39		
Boad Id - 90276	sta weer	nes cit/	APEL ROAD							
Activity M 400	Herbicals	Treshine	cw1							
Road District	-2		CONTRACTOR N. WILLIAM R. A.	1.1	1000	10.00	100.00			
1/20/2017	10109	1100	UUTHERY THOMAS		10.01	0.00	24.17	10 15		
Band Ed - 20725	12339	OWNER	TRACES BOAD		36.02	0.00		45.74		
Autobr M. and	Harbleid.	Teastan	and a second							
Read District										
10/19/2010	77714	1130	OUTHERY THOMAS		16.01	0.55	\$3.00			
10/19/2016	72214	1071	TANKIR-3002		35.03	0.90	1000	\$16.52		
3/9/2017	22336	1130	OUTHERY THOMAS		36.01	0.43	56.89	1.000		
349/2017	72330	1071	TANKER-3802		35.25	6.43	1.20	\$15.38		
Head Id - 00281	D- YAN	CEYDR	IVE.							
Activity \$4,400	Berbicide	Treatme	end							
Hood District	-1									
30/19/2016	73314	1530	GUTHERY THOMAS	1	16.01	0.58	\$8.01			
10/19/2016	72214	1071	TANKER-3802	1.1	33.89	0.59		\$16.52		
3/9/2017	72330	1530	GUTHERY THOMAS	1 I.	15.01	0.45	\$6.89			
3/9/2017	72330	1071	TANKER2902		35.75	0.43		\$15.38		
Road Id - 0028	13< YAN	CEYDR	IVE NORTH							
Activity 1d 400	Herbickk	Tresim	end .							
Road District	-2	1.22	1211120112000		06033	54.35	12:25			
10/19/2016	23214	1530	GUTHERY THOMAS	1 C	16.01	0.58	58.00			
10/19/2016	72214	8071	TANKER-3002		33.03	0.50	-	\$10.52		
3/9/2017	72330	1530	GUTHERY THOMAS		16.05	0.94	38.63			
A9920117	71338	1011	TANKIN-JIM		33.75	0.34		- HAH		
mone of - 00281	Butter	ALS CH	APEL NUAD							
Arrivery 14 401	a stretch	C. I PERSONAL PROPERTY IN								
Road District	-	1000	CHINERY REPAIRS	4.12	100.00	0.0125	\$11.43			
101102000	21210	10.00	TANKER - 1995		30.00	0.12	401.22	100.00		
Hand Ld . dorts	COLUMN STATE	ARGA DE M	Contraction of the second		10.00	41.00		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
and the second se	20.1 1.00.0	ALC: N	5 E.M.							

Mat Cost Cost Cost Units Emp Cost Equ Cost DJM M. Description Hark M Rate Date Project M -28-018-180ERBICIDE PROGRAM Baad Id - 002829: GRANEVIEW DR Activity Id 401 Herbicide Treatment Road District -3 10182016 11108 TALTON STEVEN W E. 18.62 1.00 \$18.62 72213 30182016 72213 1012 TANKER-2008 ١. 39.12 1.00 \$19.52 Road Id - 002530-: HARDEE LANE Activity 54 401 Norbicide Treatment Read District -3 16.03 2.50 \$40.01 39182044 72213 1336 OUTHERY THOMAS Ŀ 33.03 2.50 \$42.58 1015/3016 72210 1071 TANKER-2002 E. 0.50 72214 1350 OUTHERY THOMAS E. 16.03 \$8.88 30792016 0.50 \$16.52 72214 1071 TANKER-2002 t. 33.03 19192046 E. 0.45 54.89 **GUTHERY THOMAS** 16.03 3/9/2017 72538 1530 0.40 \$15.38 3/9/2017 12330 1071 TANKER-2002 t. 35.75 Read Id = 002831+ LAURA ROAD Activity 5d -401 Herbicide Treatment Read District -3 \$2.38 TALTON STEVEN W £. 18.62 6.45 10192014 72234 1108 \$17.29 10192014 72214 1012 TANKER-0000 E 39.12 0.45 Road Id - 002832+ LAUREE LANE Activity Id. 401. Herbicide Treatment Road District - J 1198 TALTON STEVEN W 18.62 0.45 \$5.38 30192016 E. 12214 1012 TANKER-2000 \$12.59 39.52 4.45 10192016 72214 t Road Id - 002834: GREEN VALLEY ROAD Activity M 401 Herbicide Treatment Read District -1 \$10,00 ŧ. 56.01 2.00 3/29/2017 72347 1550 **GUTHERY TROMAS** E. 35.75 2.00 \$71.50 3/29/3017 72347 1071 TANKER-2003 2000 WATER GAL 0.00 2,000.00 \$2.00 3/29/2017 72347 \$307.80 3/29/2011 72347 0914 HERBICIDE-2,4 D AMINE GALLON 13.68 22.50 \$31.56 3/29/2017 72347 0909 HERHICIDE-OUST POUND 25.78 2.90 1.00 \$8.71 109/0017 72347 0928 HERBICIDE-GROUND ZERO PINT 8.71 \$1.29 72347 HERBICIDE-FOAM BUSTER ot 5.15 8.25 3/29/2017 0953 Road Id - 002835+ MOUNTAIN VIEW CHURCH RD Activity M 401 Herbicide Treatment Road District -4 \$27.93 16/3/2016 72268 1198 TALTON STEVEN W £. 18.62 1.50 16/3/2016 72202 1012 TRUCK-HERBICIDE t 79.52 1.50 \$59.38 56/2017 77527 1198 TALTON STEVEN ÷ 13.34 1.00 \$13.31 1012 TANKER-3800 H. 42.21 1.00 \$42.71 346/2017 72522 Road Id - 002838+ CEDAR DRIVE Activity Id 401 Herbicide Treatment Road District -2 L. 16.01 \$6.73 30370911 72340 1530 - GUTHERY THOMAS 6.42 72349 1071 TANKER-2002 35.75 6.42 \$15.02 3/21/2017 ۰ Road Id = 002849+; GOWENS CIRCLE Activity Id 401 Herbicide Treatment Road District -1 34.01 0.62 \$9.93 5/6/2017 72329 1530 **GUTHERY THOMAS** 8 TANKER-3802 ١. 35.75 6.62 \$22.17 5/6/2017 72129 1071 Boad Id - 902851-; GOWENS ROAD Activity 14 401 Herbicide Treatment Read District -2 0.62 \$9.93 **OUTHERY THOMAS** 1 16.01 3/8/2017 71339 1530 5/8/2017 72329 1071 TANKER-3007 ь. 35.75 0.62 \$22.17 Band Ed - 002861-; DELLWOOD PL Activity 3d 401 Herbicide Treatment

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Report Date: 05/15/2017

Report Id: Rppru012.rpt

Date	DJ M	. M	Description	Rate M	Rate	Units	Emp-Cost	Equ Cost	Mail Cost	Con Cost
Project ld -28-018	HERBIC	IDE PRO	GRAM							
Hoad Ld - 0028	61< DELI	38.008	P1.							
Activity 51 401	E Berbicia	r Treafan	call.							
Read District	-1	1997		2.1		22222	0.200			
3/21/2017	72340	1530	GUTHERY TIROMAS		16.03	0.34	\$3.45	0202300-0		
3/23/2013	72340	1071	TANKER-2002		35.79	0.34		\$12.16		
Hoad Ld - 0038	624 MOU	NTAIN	CREEK DRUVE							
Activity 51 401	1 Berleod	C Treatme								
Read Destrict			CONTRACTOR NUMBER AND		14.04	0.00	1440.000			
10102047	77.540	1000	CUTHERY TROMAS		10.00	0.42	36.77	415.00		
Band Id - 0878	ALL CRAT	NOTE IN	DAMARK-2002		33.12	0.62		\$12.94		
Activity 54 date	Berbicid	Trends	and a second sec							
Read District		c arcana								
1/11/0417	27145	1530	CUTHERY TROMAS		16.01	0.47	46.15			
101-0017	72340	1823	TANKEE-2002		35.75	0.42		\$15.62		
Read 1d - 0028	St. USBY	ROAD	Contraction of the second							
Activity 52, 401	Bertinida	Treatme	and a second sec							
Read District	.2									
10/14/2016	72216	1530	GUTHERY THOMAS	11	16.00	0.72	\$11.53			
10/14/2016	722100	1013	TANKER2000	1	39.52	0.72	4.050	\$28.46		
Read 1d - 0029	0.10 + 00	NELSO	N CAP ROAD	5.15		110000				
Activity M 401	Herbicide	Treatme	ent							
Read District	-									
89/17/2016	72212	1158	TALTON STEVEN W	1.1	18,62	2.00	\$37.24			
60/17/2016	72312	8812	TANKER-2000	E	39.52	2,00		\$79.04		
3/20/2017	72539	1198	TALTON STEVEN	1	13.34	0.63	\$8.39			
3/20/2017	72339	1012	TANKER-2000	t.	42.21	0.67		\$15.60		
Read Id - 0029	01-(STOP	ACHER	BOAD							
Activity 58 -481	Berticide	Treatm	66X							
Road District	-#									
3/26/2017	72339	1198	TALTON STEVEN	t.	13.31	0.63	\$8.09			
3/26/2017	72339	8842	TANKER-2000	1	42.31	0.63		\$36.60		
Road 1d + 0929	es- DAN	EL ROA	AD.							
Activity Id 481	Berbicide	r Treatm	est							
Read District	-2	1000	2012 A 100 A 2807		1.732	1025				
3/38/2017	72339	1530	GUTHERY THOMAS		16.01	0.26	\$4.17			
3/20/2017	72339	1070	TANKER-2002		33,73	0.26		28.30		
Bood 16 - 9929	10-2 21111	1.15 Da	IVE.							
Activity be 401	Herbards	Treatmo	rate.							
Anno peresent		1010	CONTRACTOR THREE AND	100	54.94	0.02	10.00			
1/10/04/17	12,940	1000	TANKER-300		33.74	0.43	30.05	C15.18		
Read Lt . 0029	IL ANN	TA DRI	VE		-19-17			417.56		
Artistic Id. 481	Berkields	Treatme								
Read District										
3/21/2007	72340	1530	GUTHERY TROMAS	1	16.03	0.42	\$6.73			
3/21/2017	72346	1011	TANKER-2002		35.75	0.42	200	\$15.62		
Read 1d + 6029	25-: HILL	SIDE D	BIVE	1.1	1000	1.000		10205		
Activity 1d 401	Herbielde	Treatme	and the second se							
Read District	-4	10.35								
10/19/2016	72264	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	32214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Read 1d - 0029	78-: DAVI	S FERR	V ROAD							
Activity M 481	I Herbicide	Treatme	int							
Read District	-2									
3/8/2017	12329	1530	GUTHERY THOMAS	100	16.01	0.62	\$9.99			
3/6/2017	72329	1071	TANKER-2002	1	35.75	0.62		\$22.17		
Read 1d - 6030	36-: HOW	£1.10N	CEMETERY ROAD							

Date	DIM	. M.	Description	Hate M	Rate	Units	Emp Cost	Equ Cost	Mail Cost	Con Cost
Project lid -28-018	-INERBIC	IDE PRO	GRAM							
Housd Ld - 0030	30-; HOW	EL TON	CEMETERY ROAD							
Activity \$3,400	E Herbieide	Treatm	end .							
Read District	-3	19210	Career and an and a second		1000	2222	2000			
10182016	73213	1198	TALION STEVEN W		18.62	1.00	\$18.62	1000		
10/18/2016	72219	3012	TANKER-2008		39.52	1.00		\$19.51		
Hoad 1d - 0030	49+ GALI	LANT O	OVE							
Activity 54 -400	Berbicid	e Treatme								
Read District	- 1		THE CO. PROPERTY AND ADDRESS OF THE OWNER							
11/16/2016	72240	1798	TALDUS STEVEN W		18.62	0.66	312.29	#14 mi		
11/16/2016	72240	1012	TANKIR-2000		39.32	0.66		218.09		
Housd Ld - 00.00	SO-C REDG	al villow	DIUVE							
Activity to 400	Reriecto	C Treamas								
Road District		1100	THAT THEN APPROXIMATE	1.1	12.24	4.00	80.00			
10000000	20047	1098	TANKER - MAR		49.72	0.50	he we	471.11		
Bund Ld . 0030	CLA CIDE	EV BOA	1000028-000		42.25	0.00				
Activity 34 and	Buchline,	Western								
Read Distant	-1		-							
1050017	22342	1456	CETTIERY TRANSAS	1.2	14.00	1.50	\$24.42			
1050017	22543	1071	TANKER-2002		35.75	1.50	121.02	351.62		
Read Id . 0030	10.000	INCO IN	IND AREA			1.10				
Activity 14, 400	Berbick	Trantas	and the second second							
Read District	-1		Sharen an anna an							
11/18/2016	77243	11198	TALEON STEVEN W		18.67	1.50	\$27.93			
11/18/2016	72242	1012	TANKER-2000		79.53	1.50	0.600	\$19.28		
Road Id - 0030	74: CAN	OF CRE	EK ROAD, N			1.20				
Activity M 401	Berbicide	Treatme	and the second se							
Read District	-4									
11/19/2016	72242	1198	TALTON STEVEN W	12	18.62	1.00	\$18.62			
11/19/2016	72242	1012	TANKER-2000	1.5	30.52	1.00		\$19.51		
Road 1d - 0030	784 CENT	ERSTR	GEET							
Activity M 400	Herbicide	Treatme	ent i							
Read District	-2									
3/20/2017	72339	1530	GUTHERY THOMAS	E	16.01	0.26	\$4.17			
3/26/2017	72539	1071	TANKER-2002	- E	35.75	0.26		\$9.30		
Road Id - 0030	82-(HILL	TOP D	RIVE							
Activity 1d 400	Berbicidi	Treatme	Internet							
Read District	-1									
10/20/2016	72215	1530	GUTHERY THOMAS	1	16.03	0.71	\$11.37			
10/20/2016	72215	1071	TANKER-2002	E	35.03	8.71		\$23.46		
Read I.d - 0030	844 MCC	LAIND	RIVE							
Activity 51 401	Berbicidi	· Treatme	iel l							
Read District	-1									
3/20/2017	72539	1330	OUTHERY THOMAS	E	86.01	0.26	\$4,17	222.0		
3/26/2017	72339	1071	TANKER-2002		35.75	9.26		\$9.30		
Read Id - 0031	10-: OLD	10WY 41	1							
Activity Id 400	Rethicide	r Treatme	twit .							
Road District	-3	10.51	2000.000.02220	1.77	529.57	0.222	22.24			
3/31/3013	73340	1530	OUTHERY THOMAS		35.01	0.42	\$6.73	12.200		
3/21/2017	72340	1071	TANKER-2802		35.25	8.0		212.05		
Road 1d - 0041	03: PINE	BULLS	WAY							
Activity 53 400	Berbacida	e Treslas	191							
Road District	-1			10 m	242.45	1.0	1000			
3/36/2011	72348	1100	GUTHERY THOMAS		16.01	1.00	\$16.03	0.000 million		
3/06/2017	72348	1071	TANKER-2002		35.25	1.00		\$35.75		
Boord 1.d - 0041	154 CRD	CK BOA								
Activity 14 400	Merbicide	e Treatme								
Road District	-1									

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Date	DJM	м	Description	Bate 1d	Rate	Units	Emp Cust	Eqs.Cot	Mat Cost	Con Cost
Project Id -18-018-	PRESENCT	DE PRO	GRAM							
Hoad 14 - 00411	5-c CHU	SK BOA								
Activity 1d 401	Herbicide Treatment									
Road District	-1									
10/19/2014	72214	1100	GUTHERY THOMAS	102	06.01	0.50	58.01			
10/29/2016	72214	8071	TANKER-2002	1.1	33.03	0.55		\$16.52		
3/9/2017	72330	1120	OUTHERY THOMAS	1	16.01	0.43	\$6.89			
39(3817	72330	1071	TANKER-2002		35.75	6.0		\$15.38		
				Project Cast by Category		6 ST	\$4,549.02	\$16,278,79	\$8,588.59	58.00
				Total Project Cost						\$23,336.40
Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Bete	BJ M	- 14	Description	Rate M	Rate	Units	Keep Cast	Equ Cost	Mat Ceat	Con Cost
Project ld -28-4	1-HOSECT	ICIDE SPI	RAYING-WHORTON BEND A	REA						
Housd Ld -00	THE WER	DRITON B	END AREA							
Activity M 4	a) Inertici	de Trestm	red							
Read Distr	101 -6									
4/6/2005	72943	1058	VAUGEN JAMES D	1	17.09	5.00	\$85.45			
4/6/2016	72045	1002	TRUCK-2009 CHEVROLET	1 C	14.87	5.00		\$74.33		
4/6/2006	72045	1706-7	INSECTICIDE-PERMANIONE	GAL	36.95	2.00			\$73.90	
4/6/2016	72045	1796	INSECTICIDE-MALATHON	GAL.	.44,19	0.50			\$27.10	
46/2016	72943	1058	VAUGEN JAMES D	E	17.09	5.00	\$85.45			
46/2006	72045	1002	TRUCK-2009 CHEVROLET	1.1	14.87	5.00		\$74.35		
4/6/2016	72045	1706-17	INSECTICIDE-PERMANONE	GAL	36.95	2.00			\$73,90	
4/6/2016	72045	1706	INSECTICENE-MALATHION	GAL.	44.19	0.50			\$22.10	
4/7/2006	72945	1058	VAUGHN JAMES D	1	17.09	5.00	\$85.45			
477/2016	72045	1002	TRUCK-2009 CHEVROLET		04.87	5.00		\$74.35		
4/7/2016	72048	1706-8	INSECTICIDE-PERMANONE	CLAL	36.95	2.00			\$73.90	
4/7/2016	72045	1796	INSECTICIDE-MALATHRIN	GAL.	44.19	0.50			\$22.10	
4/15/0016	73050	1058	VAUORN JAMES D	1	17.09	5.00	\$85.45			
4/11/2016	72058	1002	TRUCE-2009 CHEVROLET	1.5	14.87	5.00		\$74.35		
4/11/2016	72050	1306-P	INSECTICIDE-PERMANONE	GAL.	36.95	2.00			\$73.90	
4/15/2016	72058	1206	INSECTICIDE-MALATHION	GAL.	44.19	0.50			\$22.10	
4/13/2016	72950	1058	VAUGHIN JAMES D	1.0	17.09	5.00	\$85.45			
4/13/2016	72053	1002	TRUCK-2009 CHEVROLET	1.1	14.87	5.00		\$74.35		
4/13/2016	72050	1706-P	INSECTICIDE-PERMANONE	GAL	36.95	2.00			\$73.90	
4/13/2016	72059	1796	INSECTICIDE-MALATHION	GAL.	44.19	6.50			\$22.10	
4/14/2016	73050	1058	VAUGHN JAMES D	0.040	87.09	5.00	\$85.45			
4/14/2016	72059	1032	TRUCK-2009 CHEVROLET		34.87	5.00		\$74.35		
4/14/2016	72058	1706-P	INSECTICIDE-PERMANONE	GAL	36.95	3.00			\$73.90	
4/14/3016	72058	1796	INSECTICIDE-MALATHON	GAL.	44.19	0.50			\$22.10	
4/18/2016	72956	1058	VAUGHN JAMES D	1.0	17.09	5.90	\$85.45			
4/15/2014	72656	1032	TRUCK-2009 CHEVROLET	12	14.87	1.00		\$74.35		
4/18/2016	72016	1706-P	DISECTICIDE-PERMANONE	GAL	36.95	2.00			\$73.99	
4/18/2016	72056	1796	INSECTICIDE-MALATHION	GAL.	44.19	0.55			\$22.00	
4262016	72956	1058	VALUER JAMES D	1	17.09	5.00	\$85.45			
4000016	72016	1032	TRUCK-2009 CHEVROLET	1.1	14.87	5.00		\$24.35		
4262016	72056	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.09			\$38.65	
4/20/2016	72058	1,706	INSECTICIDE-MALATHION	GAL.	44.19	0.50			\$22.00	
4210016	73856	1058	VADGEN JAMES D	1111	17.09	3.00	\$85.45			
421/2016	73016	1032	TRUCE-2009 CHEVROLET	1	14.87	5.00		\$74.35		
4210016	72056	1706-K	INSECTICIDE-KONTROL 4-4	GAL.	19.33	2.00			\$38.66	
4/25/2016	72016	1796	INSECTICIDE-MALATHION	GAL.	84.19	0.50			\$22.10	
405/0016	72064	1058	VAUGHN JAMES D	1.	17.69	5.00	\$85.43			
4252916	72063	1032	TRUCK-2009 CHEVROLET	1.0	14.87	5.06		\$74.35		
4/25/2016	72065	1706-K	INSECTICIDE-KONTROL 4-4	GAL.	19.33	2.00			\$38.66	
403/0816	73063	1796	INSECTICIDE-MALATHION	GAL.	44.29	0.50			\$22.10	
4210916	72961	1058	VAUGHN JAMES D	1	17.09	5.00	\$85.45			
4210916	72061	1032	TRUCK-2009 CHEVROLET	1	14.87	5.00		\$54.35		
4(23)2016	72961	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00			\$38.66	
4270916	72961	1796	INSECTICIDE-MALATHION	GAL.		0.50			522.10	
4280016	72961	1058	VAUGEN JAMES D	1	17.09	5.00	\$85.45			
4/28/2016	72961	1032	TRUCK-2009 CHEVROLET	- 1S	14.87	5.00		\$34,38		
4282916	72061	1706-K	INSECTICIDE-KONTROL 4-4	GAL.	19.33	2.00			\$38.66	
6/28/2916	72063	1796	INSECTICIDE-MALATHION	O.M.	44.19	0.50			\$22.10	
5/0/2016	72967	1058	WALKERDY JAMES ID	1	17.09	5.00	\$85.45			
5/2/2016	72967	1032	TRUCK-2009 CHEVROLET	1	14.87	5.00		\$74.35		
5/2/2010	72967	1706-8	INSECTICIDE-KONTROL 44	GAL	19.33	2.00			\$38.66	
5/0/2016	72067	1796	INSICTICIDE-MALATHION	GAL.	44.19	0.50			\$22.10	
5/4/2016	72067	1058	VALIGHEN DAMES D	1	17.09	5.00	\$83.45			
3/4/2016	73967	1032	TRUCK-2009-CHEVROLET	1	14.87	5.00		\$14.35		
\$4/2016	730AT	1206-8	INSECTICIDE-ACENTROL 4.4	GAL	19.33	2.00			\$38.66	

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Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

							150 GSC		1.00	122102.5
Date	DJM	M	Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mut Cost	Con Cas
Project ld - 28-87 Road Id - 002	1-DINSECT	ICIDE SPI DR TON B	LAYING-WHORTON BEND A END AREA	REA						
Activity 1d -40	13 Insectici	de Treatme	and the second se							
Road Distric	8-6									
5/6/2016	72067	1796	INSECTICIDE-MALATHION	GAL:	44.19	0.50			\$22.10	
5/5/2016	72967	1058	VAUGHN JAMES D	1	17.09	5.00	\$85.45			
5/5/2016	72967	1002	TRUCK-2009 CHEVROLET	- E .	14.87	5.00		\$74.35		
\$5,0016	72961	1706-K	INSECTICIDE-KONTROL 4-4	GAL.	19.33	2.00			\$38.86	
5/5/2016	73967	1796	INSECTICIDE-MALATHION	GAL	44.19	0.50			\$22.09	
5/9/2016	72873	1058	VAUGHN JAMES D	- E	67.09	1.00	\$85.45			
599/2016	72973	1032	TRUCK-2009 CHEVROLET		64.87	5.00		\$74.35		
59/2016	22973	1706-K	INSECTICIDE-KONTROL 8-4	GAL	19.33	2.00			\$38.66	
5/9/2016	72973	1706	INSECTICIDE-MALATHION	GAL.	44.19	0.50			\$72.10	
511/2016	72973	1058	VAUGHN JAMES D		12.09	5.00	\$85.45			
511(2016	73973	1032	TRUCK-2009 CHEVROLET	E	34.87	5.09		\$24.35		
5/11/2016	73973	1706-K	DISECTICIDE-KONTROL 4-4	GAL.	19.53	2.99			\$38.66	
3/11/2016	72973	1796	INSECTICIDE-MALATHON	GAL.	44.19	0.58			\$22.19	
\$110916	72073	1058	VAUGEN JAMES D	1.0	17.09	5.00	\$85.45			
5/12/2016	73973	1012	TRUCK-2009 CHEVROLET	1.1	14.87	5.00		\$74.35		
5/12/2016	73973	1706-K	INSECTICIDE-KONTROL #4	GAL.	19.33	2.00			\$38.66	
5/12/2006	72973	1796	INSECTICIDE-MALATHION	OAL.	#4.19	0.58			\$22.10	
5/16/2016	120.99	1058	VALGHN JAMES D	1	17.09	5.00	\$85.45			
516(2006	73879	1032	TRUCK-2009 CHEVROLET	- E	14.87	5.00		\$74.35		
\$75/2005	23979	1266-6	INSECTICIDE-KONTROL 4-4	CAL.	19.33	2.00			\$38.66	
5/16/2016	23879	1796	INSECTICIDE-MALATHON	GAL.	44.19	0.58			\$22.10	
5/18/2016	72079	1018	VALIGHN JAMES D	1	17.09	5.00	\$85.43		0.000	
5/18/2016	21929	1012	TRUCK-2009-CHEVROLET	1	14.87	5.00		\$74.35		
618/2014	93959	176.8	INSUCTION ALL ADDRESS AND ALL ADDRESS AND ADDRESS ADDR	CAL	19.35	2.00			\$38.66	
ACR/2004	73979	1756	INSECTIVITIE-MALATHEON	GAL	44.09	0.50			\$22.18	
5/16/16/16	12079	1018	VALVERN LAMEN IN	1	17.09	5.00	\$85.41			
5.000/0006	110/70	1017	THUCK - MORE CHEVRON IT	- 20	14.87	5.00		454.16		
6.0000000	71070	176.8	INSECTION AND ADDRESS AND	cine .	19.13	2.00		. Pressee	\$38.66	
5/10/2004	12010	1704	INSIG TO THE MAR ATTEMN.	CAL.	44.00	0.50			\$72.10	
6/11/2016	12044	1048	WALKERS FAMPLIN	1	17.09	5.00	\$85.44			
575576445	71004	1013	TRUET - NOR CHEVRON ET		14.87	5.00		\$74.55		
6/31/2004	72084	1704.5	DESCRIPTION AND AND AND AND AND AND AND AND AND AN	1244	19.33	2.00			\$38.66	
2/22/2009	12000	1704	DESCRIPTION AND ATTRND	1141	44.15	0.10			\$22.10	
0/2.0/20/08	12083	1000	VALVERY LANCE O	1	17.09	5.00	445.45			
012010000	75085	1017	THE AREA AND A THE AREA AND		14.97	5.00	and the	674.95		
\$125,2019	12082	1704.8	DESCRIPTION CONTROL &	ciat.	19.13	2.00			\$18.64	
1010000	1208.2	1700-0	INCOMPANY AND ADDRESS	diat.	44.15	0.00			\$95.10	
2012/02/08	10000	1000	WAT VIEW PARTY IN	i interes	17.00	5.00	431.21		- 665.07	
2/26/2016	12085	1024	WALACEN JAMES D		14.97	5.00	440.40	11111		
3/20/20/20	12082	1204	INCOMPTON CONTROL 44	Cat	10.13	2.00		press.	\$18.66	
2/20/20/20	12065	1796-6	INCOMPANY AND ADDRESS	CAL	44.10	0.00			\$72.10	
2/28/20/29	72095	1000	NATIONAL DALLEY D	1000	12.00	5.00	101.45			
5/30/2029	12000	1020	TRUCK AND CONTRACT IT		14.87	5.00	100.00	874.35		
203 to 2010 to	12000	1000	AND CONTRACT TRANSPORT	1041	10.13	7.00		814.00	818.64	
5/30/2016	120540	1700-8	INSECTION AND AND A STORY	1040	44.10	0.00			\$12.00	
30102004	12090	1000	INSEL DUBLE-MALADING	UNL.	17.00	6.64	1000.44		410.77	
6/1/2008	12090	1070	VALUED JAMES D		11/10	5.00	380.45	174.15		
6/1/2016	12000	10.52	HARVER THE FORMATION OF	1000	24.87	2,00		314.32	\$10.64	
6/1/2016	12090	1706-8	INSECTION DESIGN THOU 4-4	0.00	10.00	2.00			\$15.10	
6/L/2016	12090	1700	PODULIA.EDE-MALATIBON	CARL.	46.19	6.59	1000		\$64.7P	
6(2/2006	720540	1058	VALUES MARIS D	2.1	17.09	5.00	340.45	1.00000000		
6/2/2004	12090	1852	TROCK-2009 CHEVROLET		14.87	3.00		- are 10	1000	
6/2/2006	12090	1796-6	POLICER, EDI-RONTROL 4-4	GAG	19.33	2.00			318.66	
6(2)2004	15000	1706	INSECTICIDE-MALATIDON	CIAL.	44.19	0.30			PTT-10	
4/6/2014	72099	1858	VALUEPS JAMES D		17.09	3.00	385.45			
6/6/2016	72095	1802	TRUCK-2009 CHEVROLET	- E - C	14.87	1.00		\$74.35		

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Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	DIM	H	Description	Rate 5d	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Ces Cost
Project Id -28-07 Road Id - 002	1-14NSECT	ICIDE SPI ORTON B	RAYING-WIEGRTON BEND A END AREA	REA						
Activity M 48	0 Insectici	de Treatme	rad							
Read District	6 -6									
6/6/2016	T2095	1706-K	INSUCTIONE-KONTHOL 4-4	GAL.	19.33	2.00			\$38.66	
6/6/2016	72095	1706	INSECTICIDE-MALATERIN	-CAL	44.19	0.50			\$22.10	
6/8/2016	73995	1058	VALIGHN JAMPS D	1	17.09	5.60	\$85.45			
6/8/2005	72095	1002	TRUCK-2009 CHEVROLET	1.1	14.87	5.00		\$14.25		
68/2016	72095	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00			\$38.66	
6/8/2016	72095	1796	INSECTICIDE-MALATERON	GAL.	44.17	0.50			\$22.10	
6/9/2005	73995	1058	VALIGHN JAMPS D	1	17.09	5.00	\$85.45			
6/9/2016	72095	1002	TRUCK-2009 CHEVROLET		14.87	5.00	10000	874.31		
6/9/2016	72095	1706-8	INSECTICIDE-KONTROL 4-4	GAL.	19.33	2.00		232.200	\$38.66	
69/2016	72095	1706	INSECTICIDE-MALATERON	GAL	44.19	0.50			\$22.10	
6113/2016	72100	105K	VALUEN JAMES D	1	17.09	5.00	\$81.45			
6/13/2016	72100	1012	THUCK-2009 CHEVROLET	100	14.8T	5.00		\$74.35		
6/13/2016	77166	1706-6	INSECTION: A ONTROL & A	GAL	14.53	2.00			\$38.66	
6/13/2016	22104	1396	INSULTIVITY MAILATERN	CAL	44.10	0.90			\$22.10	
6015/2016	*104	10.00	VALUERS AMES D	i.	11.09	5.00	885.45			
4/15/2016	22104	1000	TRUCK, 2000 CHEVROLET	1.1	14.87	5.00	400.40	\$14.35		
4/14/2014	22100	LINK F.	INSUCTION AND AND AND AND AND AND AND AND AND AN	- DAT	10.55	2.00			110.66	
60.675/16	22100	1356	PARTY THE MAN ATHEN	CIAR.	44.19	# 50			\$72.00	
6/16/2016	71040	1048	Values and the to		12.00	5.00	101.45			
4/14/2010	101100	Labra	TREASE, SOME CHEVROLET		14 87	1.00		974.35		
0/16/2016	12100	100 k	PROCESSION CHEVROLET	mar	19.33	1.00			\$15.66	
0/10/2010	72898	1204	ESECTIVE ADDITION OF	15.44	44.10	0.90			\$12.00	
00100016	12100	1700	VALUE IN THE PARTY IN	Serve.	17.00	1.00	885.45			
0/20/2016	22301	1008	VADUIN AMES D		14.97	3.04	990.40	474.14		
6/25/2016	12100	100.0	TRUCK-2009 CHEVROLET	Contract.	22.27	2.00		314.35	112.04	
0/0/0/16	72100	1709-0.	POST IN THE PERSON SHOP OF	0.44	44.44	0.50			\$22.00	
0/20/2016	12100	1.709	DODUTE EXP-MALATINESS	1000	17.00	4.00	100 40		844.49	
6/22/2016	72003	1008	VAULTES MARES D	- 22	10.09	3.00	363/43	000000		
6/22/2010	72100	1002	TRUCK-20W CHEVROLET		10.07	2.00		314.30	T18.65	
6/2.03916	72100	1100-0.	DODUTINE LAN ATTRACT	040	10.00	0.00			477.22	
6220316	12100	1799	POLICIE DI ALTERIO	uni.	17.00	4.04	884.44			
623/2016	74997	1008	TAUGHTS AGAINS D		10.00	4.00	38.5.43	874.14		
6/2//2016	72100	100.2	TRUCK-2009 CHEVHOLET	100	100.00	3.00		101.00	101.44	
6/23/2016	72100	1706-0.	Design the De-KONTROL ++	1010	19.33	2.09			875.10	
6/25/2916	72197	1796	DODUTE DE-MALATHENS	5.041-	12.00	0.00	684.44		344.19	
6/23/316	22113	1008	VAUGHEN JAMES G		11.00	3.90	343.43	474.14		
8/22/2016	72111	1042	TRUCK-2009 CHEVHOLET	100	14.87	3.09		30430	1000	
6/21129110	20110	1708-6.	DSECTREDE-ROWTROL #4	1000	19.35	2.00			875.16	
6212016	72113	1796	INSIGTICIES-MALATHION	OAL	44.27	9.99	100.00		344.10	
602902016	222113	1058	VALUER JAMES D	- 22	12.09	5.00	365,40			
6/29/2016	72113	1932	TRUCK-2009 CHEVROLET		14.82	5,00		21410		
6/29/2016	721110	1706-K	INSIGTICIDE-KONTHOL #4	GAL	19.33	2,00			220.00	
6/29/2016	72113	1795	DEECTICIDE-MALATHON	04L	44.79	0.50			322.10	
6302916	72113	1058	VAUGHN JAMES D		17.09	5.00	\$85.43			
6/30/2916	72113	1037	TRUCK-2009 CHEVROLET	100	14.30	5.00		\$74.35		
6/30/2816	72113	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00			\$38.55	
6/30/2016	73113	1786	INSECTICIDE-MALATHION	GAL	44.19	0,50			\$42.10	
7/5/2016	32118	1058	VALCHIN DAMES D	- 1 - E	17,09	5.00	385.41	1.1.1.1.1.1		
3550916	72118	1032	TRUCK-2009 CHEVROLET	10 million	14.09	5.00		\$19.25		
7/5/2916	72118	1706-8.	INSECTIONE-KONTROL 4-4	GAL	1933	2.00			\$38.66	
3/5/2916	72118	1706	INSECTICIDE-MALATHION	GAL.	44.19	0.50			\$22.10	
7/6/2016	32118	1058	VAUGEN JAMES D	1	17.09	5.00	145.45			
7/6/2016	72118	1032	TRUCK-2009 CHEVROLET	1	14.05	5.00		\$70.25		
376/2916	72318	1706-8	INSECTICIDE-KONTROL 4-4	GAL.	19,33	2.00			\$38.66	
7/6/2014	72118	3706	INSECTICIDE-MALATHION	GAL.	44.19	3.50			\$22.19	
3/3/2016	72168	1058	VALGEN JAMES D	1	17.09	5.00	385.45			

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Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	DUM	м	Bescriptice	Rate M	Rate	Ciniti	Emp Cast	Equ Cost	Mat Cost	Con Cost
Project 14 -28-07	I-MASSECT	ICIDE SPI	RAYING-WHORTON BEND A	REA	0.000			- CGARCH-		
Autom M. 4	ALC: WIN	de Territor	and a second second							
Bread Blotele	5 Harrison (* 16									
2/1/2016	22118	1012	TRUCK-MONCHEVECKET	100	14.05	5.00		\$20.25		
1/1/1016	22118	1206-8	INSECTION & CONTROL 4.4	CAL.	19.35	1.00			\$38.65	
TUTUDALO.	771118	1206	INSECTIVITIE-MALATHING	GAL.	44.19	0.10			\$22.50	
2/21/2016	75124	LOIN	VALUED DAMES D	1	17:00	5.06	\$85.45			
201/2004	99134	1013	TRUCK-MODULET	100	14.05	5.00	1000	\$50.25		
791/2006	72124	1796-8	INSECTION FORTH AN	CAL.	19.33	2.00			\$38.66	
2010005	72134	1796	INSECTIVITIE-MALATHEON	CAL.	44.29	0.50			\$22.00	
233/2004	72134	1048	VALVERN DAMES D	1	17.09	5.00	\$85.45			
201/2004	72124	3935	TRUCK - NOR CHEVROLET		14.05	5.00		\$79.25		
301/2004	99124	1706-8	INSUCTO THE REPORTED A.4	OAL	19.33	2.00			\$18.66	
212 1/2014	22124	1206	INSECTIVITIE - MALATHEON	GAL	44.179	0.50			\$22.30	
11.4/2004	12134	1016	VALCERN LAMEN D	1	17.09	5.00	\$85.41			
3140004	TRUM	1917	THINCK-3009 CHEVEOR IT	1	14.05	5.00		\$30.25		
10.62004	77174	1206.8	INSECTION-KONTROL 4-4	dint.	19.13	2.66			\$38.66	
30.67994	12134	1206	INSUCTICITIE - MALATHICH	GAL	-84.29	0.56			\$22.18	
2022005	10136	1048	VALVEN DAMES D	1	17.05	5.00	\$25.45			
108/2014	72130	1013	TRUCK - 3009 CHEVROLET	÷	14.05	5.00		\$19.21		
2/16/2004	75130	1206-8	INSUTICIDE CONTROL 4.4	- 640	19.33	2.00		1.000	\$38.66	
2/18/2006	72130	1706	INSULTIVITIE MAILATHEON	CIAL.	44.79	0.50			\$22.10	
2/20/2016	12136	1018	WALKERS DAMES D	1	17.09	5.00	\$85.45			
2/20/20/14	72130	1013	TRUCK AND CONTRACT OF		14.05	5.00		\$10.25		
3/36/2006	12130	1796.8	INSUCTIONS, KONTROL 4.4	CAL	19.33	2.00		e inter	\$36.66	
3/30/2014	77130	1706	INSECTIONIE-MAILATIBON	(DAT)	44.15	8.50			822.10	
2/21/2014	22136	1010	WATNERS LANCE TO	1	17.09	5.00	445.45			
3010004	721.90	1617	TRUNK		14.01	5.00		\$10.25		
371.0014	12130	1206-8	BALLYNYDE - KONTROL 4-4	GAL	19.11	2.00			\$38.66	
2/11/2014	72130	1704	INSECTIONS MALATSED	-CAL	48.19	0.50			\$22.10	
3/16/5/14	77136	1043	VALUEN SAMES D	1	17.09	5.00	185.45			
3/15/0014	19136	1627	TRUEY - 2009 CHEVROLET	100	14.03	5.00	- Hereite	\$70.25		
1114/2014	72134	1206-1	INSECTION ACCUTEOR 4-4	0.44	19.33	2.60		0.000000	338.66	
1050014	72136	1706	INSECTION, MALATERN	CAL.	44.19	0.50			\$72.10	
1/23/2014	171146	1058	VALUEN IAMES D	1	17.09	5.00	\$81.45		9022039	
2/22/2016	72136	1017	TRUCK - 2000 CHEVROLET	· · · · ·	14.01	5.00		\$70.25		
17730016	22136	1706-6	POSICIPACIES, ACARTRON & 4	OAL	29.33	2.00			\$38.84	
10120015	72136	1306	INSECTICIENE-MAI ATHEM	CAL.	44.19	0.50			\$22.10	
1118/0016	221.36	1058	VALUER JAMES D		17.09	5.00	\$85.45			
108/0616	77136	1817	TRUCK 2009 CHEVROLET		14.01	5.00		570.25		
128/2014	72134	196-8	INSECTIONS-RONTROL 4-4	GAL	19.33	2.00			\$18.66	
2/28/2016	72136	1306	INSECTICIDE-MALATHION	(IAL	44.19	6.50			\$22.10	
8/1/2004	73147	1058	VALUERN JAMES D	1	12.09	5.00	\$85.45			
8/1/2004	72142	1002	TRUCK-2009 CHEVROLET	1	14.05	5.00		\$70.25		
\$1,2004	72142	1706-6	INSECTIONS-RONTROL 4-4	CAL	19.33	2.00		0.000	\$18.65	
8/1/2004	72142	1706	INSECTICIDE-MALATHION	GAL.	44.19	0.50			\$22.99	
8/5/2014	22142	insa	VALICIES JAMES D	1	17.09	1.00	\$85.45		0201000	
8/1/2016	72142	1002	TRUCK-2009 CHEVROLET	. ii	14.05	5.00	280.00	\$20.28		
R/D/MILK	72145	1706-E	DARGER OF AGAINTROL 4-4	GAL	19.33	2.00		1.00	\$38.66	
8/3/2016	72142	1706	INSECTICIDE-MALATHION	cial.	44.19	0.30			\$22.10	
\$14/2014	72947	1058	VALIGEN JAMES D	1	17.09	3.00	\$85.43			
840034	72147	1012	TRUCK-2009 CHEVROLET	1	14.05	5.00		\$70.25		
BALCOOM .	72147	1706-6	INSECTICIDE-KONTROL 4.4	GAL.	19.33	2.00			\$18.66	
814/2015	72142	1996	INSUCTION-MALATHON	GAL.	44.19	0.50			\$22.10	
8/8/2016	21548	1058	VAUGHN JAMES D	1	17:00	5.00	\$85.41			
6/6/2016	72148	1032	TRUCK-2009 CHEVROLET	1	14.05	5.00		\$79.25		
8/8/2016	72148	1706-6	DESCRICTOR-KONTROL 4-4	GAL	19.33	2.00			\$38.66	
8/8/2016	72148	1706	INSECTICIDE-MALATHION	GAL.	64.19	0.50			\$22.10	

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Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	DJ 14	64	Description.	Rate M	Rate	Units	Emp-Cost	Eqs.Coni	Mat Cost	Con Cost
Propert M - 28-871 Road Ld - 0029	HINSECT	ICIDE SPI	RAYING-WIDORTON BEND A END AREA	REA						
Activity 1d 403	I Institicia	fe Treatme	nat							
Road District	-6		고 년							
8102916	72548	1058	VAUGHIN JAMES D	1.1	12.09	5.00	\$85.45			
8/10/2016	72148	1032	TRUCK-2009 CHEVROLET	10	14.05	1.00		\$70.25		
8/10/2016	72148	1706-6	INDECTICIDE-KONTROL 4-4	GAL	19.33	2.00			\$38.66	
\$/10/2016	77148	1796	INSECTICIDE-MALATHION	GAL.	44.19	0.55			\$22.50	
8110016	72348	1058	VAUGHN JAMES D	1	17.09	5.00	\$\$5,45			
8/11/2016	72148	1072	TRUCK-2009 CHEVROLET	1.0	14.05	9.00		570.25		
\$1112016	77148	1706-80	INSECTIONE-KONTROL #4	GAL	19.55	2.09			\$38.66	
81112016	72148	1796	INSECTICIDE-MALATHION	GAL.	44.19	0.59			\$22.10	
\$150316	72154	0058	VAUGHN JAMES D	1.5	17.89	5.00	\$85.45			
8/15/2016	72154	1002	TRUCK-2009 CHEVROLET	R.S	\$4.05	5.00		\$20.25		
8150916	72154	1706-K	INSECTICIDE-KONTROL 6-4	OAL.	19.33	3.00			\$38.66	
8/15/2016	72154	1706	INSECTICIDE-MALATHION	GAL	44.19	0.99			\$22.00	
8/17/2016	72154	1038	VAUGHN JAMES D	1	17.09	5.00	\$85.45			
817(2)16	721.54	1032	TRUCK-2009 CHEVROLET	1.5	34.05	3.00		\$70.25		
8170316	72154	1706-K	INSECTICIDE-KONTROL #4	GAL	19.33	2.08			\$38.65	
8170816	73154	1796	DISECTICIDE-MALATHION	GAL.	44.59	0.59			\$22.19	
8182916	12154	1058	VALGERI JAMES D	1 C	13.09	5.00	\$85.43			
8182016	721:54	1032	THUCK-2009 CHEVROLET	1.0	14.85	5.00		\$30.25		
\$182016	72854	1306-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.99			\$38.65	
818(2016	72154	1796	INSECTICIDE-MALATHION	GAL.	. 44.19	0.58			\$22.10	
\$22,2916	72390	1018	VAUGHN JAMES D	1.	17.09	5.00	585.45			
8/22/2016	72160	1032	TRUCK-2009 CHRYROLET	E	14.05	5.00		\$39.25		
8/23/2016	72560	1706-K	INSECTICIDE-KONTROL 4-4	GAL.	19:33	2.00			\$38.66	
\$22,2016	72160	1796	INSECTICIDE-MALATHON	GAL.	-84.29	0.50			\$22.18	
8/24/2016	72160	1018	VALGEN JAMES D	1	17.09	3,00	\$85.45			
8/24/2016	72160	1032	TRUCK-2009-CHEVROLET	1	14.05	5.00		\$70.25		
8/24/2016	72160	1706-X	DESCRICTION-KONTROL 4-4	GAL	19.33	2.00			\$38.66	
8/24/2016	72160	1796	INSECTICIDE-MALATHON	GAL	44.29	0.50			\$22.10	
8/25/2016	T2160	1058	WALKEEN JAMES D	1. C	17.09	5.00	\$85.45			
8/25/2016	72360	1032	TRUCK-2009-CHEVROLET	1	14.05	5.00		\$70.25		
8/25/2016	72360	1706-K	INSECTICIDE-KONTHOL 4-4	GAL	19.33	2,00			\$38.66	
8/25/2006	72360	1706	INSECTICIDE-MALATHON	GAL.	44.19	9.50			\$22.10	
8/29/2016	72166	2058	VALIOHN JAMES D	1	17.09	5.00	\$85.45			
\$/29/2005	72166	0032	TRUCK-2009 CHEVROLET	1	14.05	5.00		\$79.25		
8/29/2006	72166	1706-8.	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00			\$38.66	
8/29/2016	72366	1706	INSECTICIDE-MALATHION	GAL.	44.19	0.50			\$22,10	
8/31/2016	72166	1058	VALCEEN JAMES D	1	17.05	5.00	\$85.45			
801/2006	72166	9932	TRUCK-2009-CHEVROLET	1	14.85	5.00		\$70.25		
8/31/2016	72366	1796-8	INSECTICIDE-KONTROL 4-4	KLAL.	19.33	2.00			\$38.60	
8/31/2006	32366	1706	INSIGTICIDE-MALATHION	OAL.	44.15	0.50			\$22.10	
9/1/2016	72179	1458	VAUCEIN JAMES D	1.	17.09	5.00	\$85.45			
9/1/2016	72170	1032	TRUCK-2009 CHEVBOLET	1	14.05	5.00		\$70.25		
9/1/2016	72170	1196-K	INSECTICIDE-KONTROL 4-4	-GAL	19.33	2.00			\$38.66	
9/1/2016	22170	1706	INSECTICIDEMALATHON	GAL.	44.19	0.50			\$22.08	
9/5/2016	72174	1058	VALIGHN JAMES D		17.09	5.60	\$85.45			
9/5/2014	32174	3452	TRUCK-2009 CHEVROLET	- I.	34.05	5.00		\$70.25		
9/5/2006	32134	1706-8	INSECTICIDE-KONTROL 4-4	GAL.	19,33	2.00			\$38.66	
9/5/2016	72174	1706	INSECTICIDE-MALATHON	GAL.	44.19	0.50	222010-2-1		\$22.10	
9/7/2004	72174	1958	VAUGEN JAMES D	1	12.09	5.00	\$85.45			
9/10006	32174	1632	TRUCK-2009 CHEVROLET	1	14.05	5.00		\$70,25		
9/2/2016	72174	1706-8.	POSECTICIDE-KONTROL 4-4	GAL	19,33	2.60			\$38.66	
9(7)2006	12174	1706	INSECTICIDE-MALATHON	GAL	84.19	6.50			\$22.00	
9/8/2006	72174	1858	VALCEIN JAMES D	1	17.09	3.00	\$83.45			
9/8/2016	32174	1602	TRUCK-2009 CHEVROLET	1	-14.05	5.00		\$20.25		
9/8/2004	12174	1706-E	INSECTIONE-KONTROL 4-4	CAR.	19.33	2.00			\$38.66	

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Etowah County Road Department Job Cost Selective Report from 4/L2016 to 3/31/2017

							1212-221	09-30-547	1.5355564	120234
Date	DJ 5J	M	Description	Rate M	Rate	Units	Emp Cost	Eqs Cost	Mat Cost	Con Cost
Project 14 - 28-873 Band 14 - 0022	IPSECT	ICIDE SPI	LAYING-WHORTON BEND A END A REA	REA						
Activity 14 and	Inserticia	fe Treater	and the second se							
Road District	.6		2.5							
9/8/2016	72174	1796	INSECTICIDE-MALATHION	GAL.	44.19	0.50			\$22.00	
9/12/2016	72179	1058	VADORS JAMES D	1.	17.09	1.00	\$85.45			
9/12/2016	721.79	1012	TRUCK-2009 CHEVROLET	1	14.95	3.00		\$70.25		
9/12/2016	72179	1706-K	INSECTICIDE KONTROL #-4	GAL	19.33	1.00			\$34.66	
912/2016	721.79	1796	INSECTICIDE-MALATHON	GAL.	44.19	0.50			\$22.10	
9/14/2016	32179	1055	VAUGHN JAMES D	1	17.09	5.06	\$85.45			
9/14/2016	72179	1082	TRUCK-2009 CHEVROLET	1.1	34.05	1.00		\$79.25		
W142916	72179	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.08			\$38.65	
9/14/2016	72179	8796	INSECTICIDE-MALATIBON	GAL.	44.19	0.99			\$22.00	
915/2016	72179	1018	VAUGHN JAMES D	1	17.09	5.00	\$85.45			
9/15/2016	72179	1032	TRUCK-2009 CHEVROLET		14.05	3.05		\$70.25		
9/15/2016	72179	1706-K	INSICTICIDE-KONTROL 4-4	GAL	19.33	2.00			\$38.66	
9/15/2016	72179	1796	INSECTICIDE-MALATHION	GAL.	84.19	0.50			\$22.39	
9/19/2916	72386	1038	VALKHN JAMES D	1.5	12,09	3.00	585.45			
9192816	72186	1032	TRUCK-2009 CHEVROLET	1	14.05	5.00		\$70.25		
9/19/2016	72186	1706-8.	INSECTICIDE-KONTROL 4-4	UAL	19.25	2.09			\$38.66	
9/19/2916	72188	1796	INSECTICIDE-MALATHION	GAL.	44.19	0.50			\$22.10	
9/21/2016	72186	1058	VAUGHN JAMES D	1	17.09	5.00	\$85.45			
9/21/2016	721186	1032	TRUCK-2009-CHEVROLET	1	14.05	5.00		\$79,25		
9/21/2016	72186	1706-K	INSECTICIDE-KONTROL #-4	GAL	19.33	2.00			\$38.66	
9/21/2016	73186	1716	INSECTICIDE-MALATHION	GAL.	44.29	0.50			\$22.10	
9/22/2016	72186	1038	VALIGEN JAMES D	- 16 -	17.09	5.00	\$85.45			
9/23/2916	72186	1032	TRUCK-2009-CHEVROLET		14.05	5.00		\$79.25		
9/22/2016	72186	1706-X	INSPCTICIDE-KONTROL 4-4	GAL	19.33	2.00			\$38.66	
9/22/2016	72186	1796	DISECTICIDE-MALATHION	-GAL	-94.79	0.50			\$22.10	
9/26/2016	32194	1054	VALKERN JAMES D	8. C	17.09	5.00	\$85.43			
9(26/2016)	72894	1032	TIEUCK-2009 CHEVROLET	1 S	14.05	5.00		\$70.25		
9/26/2016	72194	1706-8	DISECTICIDE-RONTROL 4-4	GAL	19.33	2,00			\$38.66	
9/26/2016	72194	1706	INSECTICIDE-MALATHION	GAL.	44.19	0.56			\$22.10	
9/28/2016	T2194	1058	VAUCEN JAMES D	1	17.09	5.00	\$85.45			
9/28/2016	72194	1012	TRUCK-2009 CHEVHOLET	1	14.05	5.00		\$78.25	1000	
9/28/2016	72194	1396-8.	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00			\$38.66	
9/28/2016	72394	1706	INSECTICIDE-MALATHION	GM.,	-64.19	0.50	122132.0		\$22.10	
9/29/2006	32194	1058	VALIGEN JAMES D	- I.	17.08	5.00	\$83.43	01221030		
9/29/2016	72794	1092	TRUCK-2009 CHEVROLET		14.08	5.00		\$70.25	1211200	
9/29/2016	72194	1796-8	INSECTICIDE-KONTROL 4-4	CAL.	19.30	2,00			\$38.60	
9/29/2006	72194	1706	INSECTICIDE-MALATHON	GAL.	44.15	9.50			\$22.10	_
				Project Cor	et by Category	÷	56,665.00	\$5,639,48	\$4,985.96	\$9.00
				Tatal Proje	ret Card					\$17,290,46
Project Md -28-071	INSECT	ICTIDE SP	RATING-WHORTON BEND	REA						
Road 1d - 0029	61< WH	DRITON B	END AREA							
Activity ld 483	Insectiek	de Treatm	int							
Road District	-6									
30/3/2006	72264	1058	VAUGHN JAMES D	1	17.43	3,00	\$87.25	2015		
18/5/2016	72204	1603	TRUCK-2009 CHEVROLET	1	14.05	5.00		\$70,25		
00/3/2016	72204	1706-8	POSECTICIDE-KONTROL 4-4	GAL.	18,13	2.00			\$18.66	
18/3/2016	72364	1206	INSECTICIDE-MALATHON	GAL.	44.19	0.90			\$22.19	
10/5/2016	72204	1058	VACCEIN JAMES D	τ.	17,45	5.00	\$87,25	343537		
10/5/2016	72204	1013	TRUCK-2009 CHEVROLET	- 1 K	14.01	5.00		\$70.25	12000	
10/5/2016	72204	1706-8;	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00			\$38.66	
105/2016	72394	1706	INSECTICIDE-MALATHON	GAL.	44.19	0.90	1202001		\$22.10	
10/6/2016	73200	1058	VALIGHN JAMES D	1	17.45	3.00	\$87.25	Californi		
10/6/2016	T2204	1602	TRUCK-2009 CHEVROLET		14.05	3.00		\$70.25		

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Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	DIM	14	Description	Hare M.	Rate	Units	Emp Cast	Equ Cost	Mail Cost	Con Con
report 14 -28-871	INSECT	ICHNE SPI	RAVING-WHORTON BEND A	REA			1.0.1.0.0			
Road Id - 0029	SI4 WIR	RTON B	END AREA							
Activity 3d 460	3 Insertici	de Treatma	net							
Road District	1.6								22/22	
18/6/2016	72208	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00			\$38.66	
18/6/2016	72200	1796	INSECTICIDE-MALATHION	GAL.	44.19	0.50	10000000		\$21.10	
30102016	92296	1058	VAUGUEV JAMES D	1	17.45	5.00	\$87.35			
39392016	72206	1002	TRUCK-2009 CHEVROLET	L	14.05	5.00		\$79.25		
10102016	72206	1706-K	INSECTICIDE-KONTROL #4	0.AL	19.33	2,00			\$38.66	
10102016	72206	1796	DESCRICTOR-MALATHION	GAL	44.19	8.50			\$22,10	
1012/2016	73296	1058	VAUGHN JAMES D		17.45	5.00	\$87.25			
10122016	72206	1032	TRUCK-2009 CHEVROLET	1.1	14.05	5.00		\$79.25		
10122016	72206	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00			\$38.66	
1512/2016	73266	1706	INSECTICIDE-MALATHON	GAL.	44.19	0.50			\$22.10	
1013/2016	72206	1058	VAUGEN JAMES D	1	17.45	5.00	587.25			
10132016	72206	1032	TRUCK-2009 CHEVROLET		14.05	5.00		\$70.25		
1013/2016	72206	1706-K	INSECTICIDE-KONTROL 4-4	GAL.	19.33	2.00			\$38.66	
10132016	72206	1706	INSECTICIDE-MALATHION	GAL.	44.19	6.50			\$22.10	
1011712016	72211	1058	VAUGHN JAMES D	1.2	17.45	5.00	\$87.25			
30/17/2016	72211	1002	TRUCK-2009 CHEVROLIT	1.5	14.05	3.00		\$70.25		
10/17/2016	72211	1706-K	INSECTICIDE-KONTROL 6-4	GAL	19633	2.00			\$38.66	
30572816	72210	1796	INSECTICIDE-MALATHON	GAL.	44.19	0.50			\$22.10	
10/19/2016	73211	1058	VAUGHN JAMES D	- E	17.85	3.00	\$87.25			
15192016	72210	1002	TRUCK-2009 CHEVROLET	1.1	54.05	5.00		\$70.25		
10192016	72211	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00			\$38.66	
10/19/2016	72211	1396	INSECTICIDE-MALATHION	GAL.	46.19	0.99			\$22.10	
10/20/2016	72211	1058	VAUGHN JAMES D	1.1	17.45	5.00	\$87.25			
10/20/2016	72211	1032	TRUCK-2009 CHEVROLET		34,05	1.00		\$70.25		
10/20/2016	72211	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.09			\$38.66	
18/28/2016	72213	1796	INSECTICIDE-MALATHON	GAL.	44.19	0.59			\$22.99	
10242056	72217	1058	VAUGEN JAMES D	1.1	17.45	5.09	\$87.23			
10/24/2016	73217	1032	TRUCK-2009 CHEVROLET	1.1	14.05	5.00		\$70.35		
10242056	73217	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2:00			\$38.66	
19/24/2016	72217	1796	INSECTICIDE-MALATHON	OAL.	44.59	0.50			\$22.00	
10/26/28/6	72217	1058	VAUGHN JAMES D	1.1	17.45	3.00	\$87.25			
10/26/2016	72217	1032	TRUCK-2009 CHEVROLET	- 1 C	14.95	5.90		\$70.25		
10/26/2016	72217	1706-8	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00			\$38.66	
10/26/2016	72217	1705	INSECTICIDE-MALATHION	GAL.	44.19	0.98			\$22.18	
10/27/2016	72287	1058	VADGED LAMES D	1.1	17.45	5.00	\$87.25			
10/27/2016	22217	1032	TRUCK-2009 CHEVROLET	1.	14.05	5.00		\$30.25		
10/27/2016	22217	1766-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00			\$38.66	
10/22/2016	22217	1796	INSECTICIDE-MALATHON	GAL.	44.19	0.50			\$22.18	
11000866	72228	1018	VAUGHN JAMES D	1	17.45	4.00	\$69.90			
10/10/2014	11924	1058	VALGER JAMES D	1	17.45	5.00	\$87.25			
10/01/2014	22224	1033	TRUCK-2009 CHEVROLET	1	14.05	5.00		\$19.25		
19/11/2014	22224	1206-10	INSECTICIDE-KONTROL 4.4	GAL	19.13	2.00		1000	\$38.66	
10/31/2016	72225	1796	INSECTICIDE-MALATHION	GAL	44.29	0.50			\$22.10	
								-	1100.00	-
				Project Cos	cuir Cangary	: 10 -	31,004,85	4713,28	1101.00	berge
				And in case of the local distribution of the						AND DESCRIPTION OF

Environmental 03/30/2016-04/01/2017

- 06/07/2016 1449 Appalachian Hwy Tire Dump.
 08/09/2017 Several Followups, case closed guilty in court.
- 08/09/2016 868 Old Mink Farm Rd Tires Followup several dates
- 08/09/2016 4115 Old US Hwy 411 Dump site Innocent landowner Paperwork filed 09/27/2016
- 08/09/2016 12360 US Hwy 278 East Tires, Clean up started 01/31/2017
- 08/09/2016 Mr. P's Tires US Hwy 278 East/Bernard St. Checked permits
- 08/09/2016 Waldo Tires Off Lipscomb Rd. Checked Permits Negative contact.
- 08/31/2016 129 Cedar Cir. Trash burning
- 09/16/2016 Simmons Rd Trash on Hwy Clean Up negative contact with any information
- 09/27/2016 678 Pope Rd Trash Dump Warning issued and cleanup
- 10/11/2016 794 Pearman Lake Rd. Tire Dump Several followups and case closed.
- 12/01/2016 Fire burning trash Jerry Cir,

Sims Chapel Rd

Willow Creek Rd

- 01/23/2017 Green Hills Rd Trash on Hwy Cleanup
- 03/08/2017 1560 Spout Springs Rd Trash Dump in Yard Warning issued 03/22/2017
- 03/22/2017 Traffic Stop Tires Us Hwy 411 Slackland Church Cherokee Co. Warning Issued
- 03/22/2017 96 Oaks Rd Trash Dump Warning issued Clean up by suspect.
- 03/28/2017 Old Sheffield Gap/Top of the Mountain Tires on side of the road. Cleanup
- 04/06/2017 Cannon Gap Rd Trash Dump. Cleanup

During this year several small dumps sights searched and cleaned by Deputy Yates and Myself.

- Miller Hollow Rd
- Anderson Rd
- Scenic Hwy
- Slo Rd
- Owls Hollow Rd Several Locations
- Broken Arrow
- Webster Chapel Rd
- Lawson Gap Rd

Deputy Fric Terrell















PROUSE LIDET

Schnitzer Southeast - Attalla 1007 9th Street 38 Attalia, AL 25054 05 256-538-7891

Tacket # TNOEDC Vehicle 30: ETONOF CD Date: 07/25/15 3hip Date: 07/25/15

121,20

e

Which No: 16 TRODEC

Purchasod From: ETOMO1 ETOMORE COUNTY COMM. DOST. 4 800 FORREST ANE GROSDEN, AL 35901

Its Grant Malarial	from:	Tare P	ounds -	Adl	Pd Mt
1. TNEVEC B1 & 62 LMS UNPREPARE	27700a	268b	2020	0	2020
Totals			2020	0	2020
Gress Mgbt Date/Time 07/26/15 Tare Mgbt Date/Time 07/25/16	81:37 11:47			0.5	018
Material Summary Pd Mt (16)	Price	\$/Unit	Exte	eded P	rice \$
41 & 42 HMS UNPREPARED 2020	6.000	0,9kundred	give		121.20

fotal:

. . .

Weighmaster Signature SHARAN

Customer Signator 60

(All weights are reported no Winds offers offers wise indicated) (All norrecard weights are accepted to be monal weights) (arScale 1 britale growth 3 drives 4 m-Recal Weight) NOW

I affire under penalty of has that the presency I as celling in this transaction is not, to the best of evidenticity, stalen property and I as the lastel mener sectors convey legal title to Purchaser/Payer. I Recont AddShips-Material does not contain any hazardous substances at definet by the federal and/or state law, and I agree to indensify Purchaser/Payer if this is unitrue.

DISCLAIMER AND MALVER OF LIABILITY,

It's disclalater and solver covers both present and future deliveries. In consideration for access to the yards facilities and services. The contineer, driver and all others who entor the pard acknowledge and assume the risk involved in discharging scrap metal in the yard. The castomer, driver and all others who enter the yard hereby release, indeanity and hold harmless Schwitzer Steel Industries, Inc., Its adsidiaries, process afficient divides divides and and hold harmieus Schnitzer Steel Industries, Inc., Its subsidiaries, eamers, officers, directors, eavingees, and agents, from any and all liability fircturing claims based upon negligences for damage or injury, including all forms of property damage, budily injury and death, resulting directly or indirectly from the use of the yards facilities and services. This includes, but is not limited to, claims for damage or injury sustained while driving through the yard or loading or unloading toran metal in the yard. The only claims not released are these based upon intentional misconduct.

Sciepmital



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nowae county come, pcov. 4 endor # street		-			Check Ho	07/26/14 533414	
ICENTS HAP BATE COMMUNITY THOUGO 07/24/14 #1 & #2 MAR OMPERPARES	88068 27705	TARE	8087 2028	VERITORIA EP RYCHICK CO	#80CR IM 6.0000 CW	998 BRT TOTA 0.00	LEL.P
NHOOR MTONES TOTALS (Pounds):			2020		TOTAL	100+ E	121.3
				gan an array			
			101	levin 7-6	7-20	16	
		8 8					
							_

Schnitzer 06-362/412 s 1007 Lake Rives Road No. 121616 Attaila, AL 35954 (258) 538-7891 DATE 07/28/16

PAY EXACTLY One Hundred Twenty One and 20/100 Dollars

121.20

PAY TO THE ORDER OF

ETOWAH COUNTY COMM. DIST. 4 800 FORREST AVE. GADSDEN, AL 35901

la na manana na fina manana an

Authorized Signature Vold Alter 180 Days

PAGE 8 OF 11 ETOWAH COUNTY - DOCUMENT SET 5-9

PAYMENT DATE 08/24/2016

COLLECTION STATION

County Commission

RECEIVED FROM Schnitzer Southeast

DESCRIPTION Sale of Scrap ck # 766628

Etowah County Commission 800 Forrest Avenue Gadsden, AL 35901

BATCH NO. 2016-11001243 RECEIPT NO. 2016-00002852

CASHER Belinda Childress

PAYMENT CODE 111.47380.730	Sale of Equips	RECE terril Scap	PT DESCRIPTIO	N.	TRANSACTION AMOUNT
Payments:	Sale of Scrap	ck # 766628 Detail	_	Amount	
	Check	NGG628	Total Cash Total Check Total Charge Total Remitted Charge Total Received	\$44.40 \$0.00 \$44.40 \$0.00 \$44.40 \$44.40	
		Custom	er Conv	Total Amount:	\$44.40

Printed by: Belinda Childrees

08/24/2016 04:29:15 PM



UNIVERSAL ENVIRONMENTAL SERVICES, LLC

Universal Environmental Services, LLC 411 Dividend Drive PEACHTREE CTY, GA 30269

STATEMENT

Page No. 1 of 1

Statement Date:	12/13/2016
Customer Number:	ETO\$00
Payment Terms:	NET 10 DAYS
Total Due:	\$95.00

Amount Remitted: \$

used oil disposal

ETOWAH COUNTY COMMISSION

800 FORREST AVE, ROOM 012

GADSDEN, AL 35901

PO. 2017-591

Document	Transaction Number	Date	Location	Location Name	Debits	Credits	Balance
IN0171788	TX-0864-121216-0009	12/11/2016	005	ETOWAH CD DIST 2	95.00		95.00
		· · ·					
Total Am	ount Outstanding				95.00	0.00	95.00

ACCEPTED PAYMENT METHODS	
 If you want to pay using a credit card go to: <u>www.uescliest.com</u> (No log in required) 	
If you want to pay by check, please reference customer or invoice number and mail it to: Universal Environmental Services 411 Dividend Drive, Peachtree City, GA 30269	
please call (800) 988-7977.	2

300 Gallons

Outsta	anding Invoice Amounts	95.00
1000	Current	0.00
	Up To 30 Days	95.00
	31 - 60 Days	0.00
	61 - 90 Days	0.00
8.0	Over 90 Days	0.00

Thank you for letting us serve you!

Universal Environmental Services LLC | 411 Dividend Drive | Peachtree Oty, GA 30269 Pb: 770-486-8816 | Fax: 770-486-0655 | an@universalenviro.com

Report Date: #5/17/2017

Etowah County Road Department Job Cost Selective Report

Report Id: RpproH12.rpt

from 4/1/2016 to 3/31/2017

Date	0.016	54	Description	Hate Id	Rate	Units	Emp Cost	Eqs Cost	Mat Cost	Con Cost
Project M -28-130	DOM:N	THE DIS	POSAL PROJECT							
Boad Ed										
Activity 3d 653	Tire Disp	Hostal								
Road District	*									
7/5/2014	72119	2526	CARROLL MARCUS	R	13.36	3.60	\$66.90			
7/5/2016	72119	0997	DUMP TRUCK-FLATHED	1	42,19	5.00		\$235.95		
7/5/2016	72119	1042	BACKHOE	1.	61.73	5.00		\$308.65		
7/5/2016	72119	2521	HILL AMOS	1	13.34	5,60	\$65.80			
7/5/2016	72119	1006	DOMP TRUCK-2015 MACK	1	78.95	5.00		\$394.75		
7(5/2014	72119	2123	SEARS MARQUETTE	. A.	\$2.10	5.00	\$68.50			
7/5/2014	72139	1008	DUMP TRUCK	1	77.28	5.00		\$388.40		
7/5/2004	72119	2328	CATTLING LEVAR		12,10	5.00	\$68.50			
TH6/2006	72120	2326	CARROLL MARCUS	1	13.36	38.00	\$135.60			
7/6/2016	72129	1041	BACKHOE	1	61.73	18.00		\$617.30		
76/2016	12130	2324	HILL AMOS	1	13.34	38.00	\$133.60			
16/2016	22120	1896	DUMP TRUCK-2015 MACK	1	78.95	10.00		\$789.50		
266/2016	72120	2323	SEARS MARQUETTE	1	12.10	23.00	\$121.00			
7/6/2016	72120	1008	DUMP TRUCK	1	77.28	35.00		\$772.80		
16/2016	72130	2528	CATTLING LEVAR	1	12.10	33.00	\$121.00			
3/3/2016	72121	2524	HILL AMOS	1	13.36	5.00	\$65.80			
3/10914	72121	1834	DUMP TRUCK-2015 MACK	1	78.95	5.00		\$394.75		
3/3/2016	72131	1513	SEARS MARQUETTE	1	12.10	5.00	\$60.50			
3/3/2016	72121	1008	DOMP TRUES.	1	77.28	5.00		\$386.40		
11/3/2006	32234	0827	IRYANT JERRY A	6	39-03	5.00	\$195.11			
11/5/2006	72294	0997	DUMP TRUCK-2008	1.	47.29	5.00		4231.95		
11/5/2006	72231	1042	BACKHOE-2015 CAT 430F	1	61.73	5.00		\$308.65		
11/5(2006	12231	2507	GRANGER DRUCE	6	29.27	5.00	\$126.33	1000		
11/3/2016	72231	1066	DUMP TRUCK-2016 MACK	1	094.81	5.00		\$124.05		
11/5/2016	12231	1196	PATTERSON WELLIAM F	6	29.28	5.00	\$141.40	100.00		
11/5/2016	72231	1064	DUMP TRUCK-2016 MACK	1.1	104.81	5.00		\$124.05		
11/7/2016	72235	6027	DRYANT JERRY A		26.33	5.06	\$103.63			
11/7/2016	72253	1042	BACKROE-2011 CAT 430F	1.1	61.73	5.00		\$306.65		
11/2/2016	32233	1468	DUTTON CLAUDE C	10	13.80	5.00	\$49.00			
1970946	72233	1064	DUMP TRUCK-2016 MACK	10	104.81	1.00	2017-002	\$124.05		
11/2016	32233	2587	GRANGER HEUCE	1.1	14.04	5.05	\$26.30			
11/1/2016	22230	1066	DEMP TRUEX	1.1	104.81	5.00	A	8154.05		
11/1/10/04	12218	1809	PERKINS ROOTE (14.45	5.00	\$22.24	404 6 100		
11/10916	72233	1065	DUMP TRUCK-OBIE MACK	1	104.81	5.00	41444	\$124.05		
					Same	- N				
				Project Con	Dry Calamory		\$1,649,10	\$7,768.00	58.80	58.00

Total Project Cost

\$9,429.10

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	DJ M	M	Description	Rate M	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Cost
Project Id -	233.00		- 2008/2002	0.000	10.000	262.40			12102020	0.000000
Read Id -	1									
Activity 64_62	Dead An	inal Disp	lano							
Nead District	-									
11/1/2016	72228	0027	BRYANT JERRY A	2	29.87	3.00	\$89.44			
11/1/2016	72228	0997	DUMP TRUCK-2008	15	47.19	3.00		\$141.57		
11/1/2016	72228	1042	BACKHOE-2015 CAT 456F	10 C	61.73	3.00		\$185.19		
2/13/2017	12308	0027	BRYANT JEERY A	2	29.87	3.08	\$89.62			
2/13/2017	72308	0007	DUMP TRUCK 2008	1	49.36	3.00		\$148.08		
2/13/2017	72308	1041	BACKHOE-2013 CAT 450F	1.1	61.73	3.00		\$185.19		
Read Id - 0004	87+: BUC	K SPRIN	GS ROAD							
Activity Id. 447	Dead Ani	intal Disp	onat.							
Road District	-3	1000								
15/94/2006	77238	1217	NORTON STEVE A	2	23.91	3.60	\$71.73			
15/14/2016	72238	1043	BACKHOE-2015 CAT 430F	1.	61.73	3.00		\$183.79		
11/14/2016	72238	8000	TRAILER-2009	8	12.47	3.00		\$37.41		
10/04/2018	72238	1004	DUMP TRUCK-2010	EC	47.93	3.00		\$143.79		
Road Id - 0005	42-: GAR	MON BO	MD							
Activity 14 417	Dead Ani	mal Disp	lazo							
Road District	-61									
4/2/2016	73944	0540	WILLIAMS SPENCER B		42.00	4.00	\$168.00			
4/2/2016	72944	1056	PICKUP-2012 FORD F159.	1	19.24	4.00		\$78.96		
				Project Cast	by Category	1	\$418.95	\$1,165.38	50.00	50.00
				Total Projec	t Cest					\$1,534,33
									_	

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

			2005	6.32	1.0	122210	12 22			
Date	DJ M	ы	Description	Hate M	Rate	1 laits	Emp Cost	Equ Cost	Mut Cost	Con Cast
Project M -28-002 Read Id - 6925	LEROW MA	AINTENA KS ROA	ANCE-DRAINAGE,DITCH,SHO D	ULDER						
Activity In 483	brenh &	Tree Clea	aring							
Read Destrict	-4		New York Contractor of the							
1/26/2017	72295	2532	HUPP WALTER IS	3	38.67	4.00	\$74.68			
1/36/2017	72299	2536	MAYS JIMMY R	3	16.54	4.00	\$55.15			
1/26/2012	12295	0933	PICKUP	1	18.86	4.00		\$75.44		
Read 1d - 0025	TI- STEE	LE STA	TION BOAD							
Activity 64 482	Brank &	Tree Clea	arian							
Read District										
3/13/2012	12133	3436	CARECEL MARCES	3.2	18.38	10.00	\$113.80			
3/15/2012	22133	1039	ENCAVATOR-2015 CAT	10	157.74	10.00		\$1,577.40		
3042012	72338	1507	WASHINGTON ROBERT F	1	27.95	10.00	\$279.30			
1/16/2012	12134	1004	TRUCK	1.1	18.85	10.00	1.110.10	\$188.60		
3/14/2017	72114	2536	CARROLL MARCUS	8	18.38	10.00	\$181.80	2271254		
1114/2012	22134	1029	EXCAVATOR-2015 CAT	100	157.24	10.00	0.000	\$1,977.40		
1/16/2017	77134	1128	MUCLATHA CTEARLES K	÷	24.22	10.00	\$342.20			
3/16/2017	12134	1018	DODER-2015 CAT DRCH OP	2.20	11411	10.00		\$1,141.10		
3/16/2011	72525	1577	WASHINGTON ROBERT F	1	27.95	10.00	\$779.10	p.g.		
3115/2017	77125	1000	THE STATE OF THE STATE AND A STATE	1.1	18.86	10.00	2017 7.21	STEE AD		
3/15/2017	77115	7474	CARBON MARCH	100	18.38	10.00	5181.80			
301000017	12133	1000	ENCAVATOR DOLLAR	- 20	147.74	10.00		81,872,40		
3/15/2012	12100	1110	LOCATION CONTRACTOR	100	24.22	10.00	\$542.30	artherine.		
311212017	12,000	1079	PROTECTION CONTRACTOR		114.11	ha no	3010.00	31.141.10		
3/15/2017	12115	1018	DUSER-2013 CAT DISCLUP	S 23 -	17.00	10.00	4110.30	\$1,141.10		
3/16/2017	123.96	1917	WASHPROTON ROBERT E	1.1	10.00	10.00	34119.04	1101 40		
3/34/2017	123.96	2003	TRUCK-2007 PORD P190		10.00	10.00	STRI MA	\$100.00		
3046/2017	72536	2526	CASHOLL MORLOS	- 23 -	10.00	22.00	3183.80	10.077.00		
3/16/2017	123.96	3039	DREAMATOR-2015 CAT		227.79	10,00	89.49.95	91,527,89		
3/16/2017	12304	1139	MODATION CRANLING &	- 11 - I	24.22	10.00	3040.00	#1.1.41.10		
3/16/2017	123.96	1034	DOZER-2013 CAT DekaLGP	S 18 -	114.11	20.00	and and	\$1,141.10		
3/16/2017	723.86	2505	GIPSON ADAM		19.68	99,00	\$158.80	A100 A10		
3/16/2012	12336	1004	TRUCK PICK OF FLAT CREW	e <u>88</u> -	25.78	10.00	a size set	\$187.80		
3/16/2017	72336	2518	CATILING LEVAR	1	19.00		\$190.10			
3/13/2017	72337	2526	CARROLL MARCUS	0	24.84	11.09	9110.56			
M12/2012	12007	1009	EXCAVATOR-2015 CAT	1.1	157.74	11.00	F - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2	\$1,105.14		
3/17/2017	72007	1517	WASHINGTON ROBERT E	0	28.02	11.00	5418.22	P107 11		
3/17/2017	12337	1905	TRUCK2007 PORD P199		18.86	11.00		\$200.46		
3/18/3012	12307	1517	WASHINGTON ROBERT E	0	38.62	4.90	\$132.98			
3/18/2017	12337	1003	TRUCK-2007 FORD F150	1	18.86	4.00		\$15.44		
3/18/2017	12307	1039	EXCAVATOR-2015 CAT	¥	157.74	4.00	and in	2010.90		
3/28/2017	72339	1517	WASHINGTON ROBORT E	3	27.93	10.00	\$279.30			
3/20/2017	12339	1003	TRUCK-2007 FORD F159	1	18.86	10.00	1.000	\$188.60		
3/26/2017	72309	2526	CARROLL MARCUS		18.38	10.00	\$183.80	- Artistante		
3/20/2017	152230	1839	EXCAVATOR-3015 CAT	1	157.74	10.00		\$1,577.40		
3/26/2047	72339	2905	GIPSON ADAM	. N.	19.88	10.00	\$198.80			
3/26/2017	77339	1964	DUMP TRUCK-2016 MACK		104.81	10.00		\$1,048.10		
3/20/2017	72339	2507	GRANGER BRUCE		18.84	18.00	\$188.40			
3/20/3017	72309	1004	TRUCK-PICK UP FLAT CREW	C 1	26.78	10.00	0.622	\$267,80		
3/20/2017	72339	2534	WINN TOMMY L	2	36.19	18.00	\$261.99			
3/23/2017	72340	1517	WASHINGTON ROBERT E	3	27,93	10.00	\$279,30	1010000		
3/21/2017	72340	1005	TRUCK-2007 FORD F158	1	18.86	10.00		\$188.60		
3/23/2047	72348	2326	CARROLL MARCUS	- B.)	18.38	16.00	\$283.80	1000		
3/21/0847	72548	1899	EXCAVATOR-2013 CAT	A.S.	137,74	16.00		\$1,577.40		
3/21/0817	73340	2528	CATTLING LEVAR	3	19.01	10.00	\$3990.28			
3/21/2017	72549	0817	PICKUP	1 C	14.42	10.00		\$144,20		
3/21/06/7	71348	2534	WINN TOMMY L	3.0	36.19	10.00	\$361.98			
3/23/2017	92344	1587	WASRINGTON ROBERT II	3	27.95	10.00	\$279.34			
3/22/2017	72348	1005	TRUCK-2007 FORD F150	T	18.86	10.00		\$188.00		
3/22/2017	72343	2526	CARROLL MARCUS	R (38.38	10.00	\$110.80			

PAGE 1 OF 20

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

litwie .	DJM	M	Description	Retz H	Hate	Units	Emp-Cod	Equ Cost	Mat Cent	Can Cost
Project Id - 28-002	180W M	UNTEN	INCE DRAINAGE, DITCH, SHOU	LDER						
Road Id - 0025	734 8110	LESTA	TION BOAD							
Activity Id 400	Brook &	Tere Clea	uring							
Road District	-		First charge in the state	- 22						
302/0017	72340	1009	EXCAVATOR-2015 CAT		157,74	10.00	and the	\$1,511,90		
3/22/2017	72341	2528	CATTLENG LEVAR	1.2	09,00	10.00	213076	2144.75		
3/32/3917	72348	0817	PICKUP		54,42	10,00	#147.00	\$144.20		
3/22/2011	72343	2534	WENTONINY L	1.2	05.79	10.00	\$101.99			
3/23/2017	72,942	1397	WASHINGTON ICONDICT II		27,99	98.00	3279.36	11111		
3/23/2913	72342	1005	TRUCK-2017 FORD F199		18.86	10.00	4.040	3188.40		
3/23/3017	72342	2526	CARROLL MARCUS		18.36	98.99	3183.80	41.000.00		
3/23/2017	72342	1009	ERCAVATOR-2015 CAT		157,24	10.00		\$1,577.40		
703/0811	72342	2534	WINN TOMMY L		16,29	10.00	3101.90	#1910 P.0		
3/13/1011	73342	1001	TRLCK-2008 PORD 1450		29.08	36.00		\$290.80		
3/23/2917	72343	2515	STOWERS SHEA		20.62	16.00	\$206.20			
3/24/2817	72340	2536	CARROLL MARCUS		24.84	11.00	\$213.24			
3/24/2917	72940	1039	ENCAVATOR-2015 CAT	. B.	137.74	11.00	20.00	1002.14		
3/24/2017	72343	8517	WASHINGTON ROBERT E		38.02	11.09	\$418.32	-		
3040917	72343	1044	EREAVATOR-2015 CAT 314E	- E.	182.59	11.00		\$1,128,49		
3/24/2817	72943	1078	PICKUP-2012 FORD F150		18,86	11.09	1000000	\$207.46		
3/25/2017	72340	1517	WASHINGTON ROBERT E		38.02	10:00	3380.30	100000		
3/23/2917	72343	1058	PICKUP-2012 FORD F150	- E.S.	11.36	10.09		\$188.00		
3/25/2917	73543	1039	ENCAVATOR-2015 CAT	1.5	137.74	10.00		\$3,577,49		
3/27/2017	12345	2136	CARROLL MARCUS	3	18.36	10.00	2181.80			
3/27/2817	72343	1039	ERCAVATOR-2015 CAT	- C	157.74	10.09		\$1,577.40		
3/21/2817	32345	1517	WASHINGTON ROBERT E	3	22.93	10.90	\$279.30	1000		
3/23/2017	72345	1044	EXCAVATOR-2015 CAT 114E		102.59	10.00		\$1,625,90		
3/27/2017	72345	2515	STOWERS SHEA	3	20.62	10.00	\$206.20			
3/21/2017	72345	9617	PICKUP	1	14.42	10.00		\$144.39		
3/27/2017	22345	2534	WINN TOMMY L	3	35.19	10.98	\$161.90			
3/51/2017	12349	1517	WASHINGTON ROBERT E	6	38.02	11.00	\$418.22			
3/91/2017	22349	1039	EXCAVATOR-2013 CAT	1.C	137,74	11.00		\$1,735.14		
3/31/2017	72349	1005	TRUCK-2007 FORD F150	1	18.86	11.00		\$307.46		
3/31/2917	72349	2526	CAREOLL MARCUS	6.5	34.84	11.00	\$275.24			
3/94/2017	32349	1031	TRUCK-2008 FORD F450	1 C	29.08	11.00		\$309.88		
3/91/2017	22349	1044	EXCAVATOR-2015 CAT 314E	1	102.59	11.00		51,128.49		
Read 1d - 0026	31< TERI	RELL BO	DAD							
Activity Id 403	Brash &	Tree Cler	wring							
Band District	-4									
1/26/2017	72299	0979	KELLEY DONALD R	3	30.45	10.00	\$304.50			
1/26/2017	72298	1044	EXCAVATOR-2015 CAT 314E	1	562.99	10.00		\$1,025.98		
1/36/2017	72299	3491	NAE JAMES	3	22.71	18,00	\$237.10			
1/26/2017	12295	1068	DUMP TRUCK-2016 MACK	1	204,81	10.00		\$1,048.10		
1/26/2017	72299	2512	SHEELER DAVID	3	16.92	9.00	5152.28			
1/26/2017	12295	1069	DUMP TRUCK-2016 MACK	1	104.81	9.00		\$943.29		
1/06/2017	72299	2524	HILL AMOS	3	20.56	30.00	\$205.80			
1/36/2017	T2295	1872	TRUCK-2011 PORD F550	× .	24.57	39,00		\$245.70		
1/30/2017	72295	0679	KIDLLEY DONALD B	3.5	30.45	28.00	\$304.50			
1/30/2017	72295	1044	EXCAVATOR-2015 CAT 314E	1	102.59	39.00		\$1,025.99		
1/30/2017	12295	1491	NAIL JAMES	3	22.71	10.00	\$227.19			
1/36/2017	72295	1068	DUMP TRUCK-2016 MACK	R	304.81	30.00		\$1,048.18		
1/50/2017	12295	2524	HELL AMOS	3	20.56	10.00	\$295.68			
3/30/2017	72295	1072	TRUCK-2011 FORD F550	4.	24.37	18-99		\$245.70		
1/30/2017	73295	1225	POSET JAMES D	3	26.11	30.00	\$241.30			
1/16/2017	72295	0952	DUMP TRUCK-FLATINED	1	49.36	38.89		\$493.65		

Project Cost by Category

\$11,608.68 \$35,301.85

Total Project Cost

58.80

Etowah County Road Department Job Cest Selective Report from 4/1/2016 to 3/31/2017

Project 4 - 26 - 26 - 26 - 26 - 26 - 26 - 26 -	Date	DIM	M	Description	Retr Id	Hate	Units	Emp Cost	Equ Cost	Mat Cast	Case Cost
Joseph Section of Se	Project Id -28-004	IWEATH	ER REL	TED MAINTENANCE-GEN.	MAINT.						
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Price Pric Price Price <thp< td=""><td>7/7/2038</td><td>22121</td><td>1042</td><td>RACKHUR.</td><td></td><td>61.73</td><td>2.00</td><td>1.40.00</td><td>4209.95</td><td></td><td></td></thp<>	7/7/2038	22121	1042	RACKHUR.		61.73	2.00	1.40.00	4209.95		
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Activity 14 Head District -2 25/2016 72119 2525 CARROLLMARCES I 12.36 2.59 553.49 75/2016 72119 097 DUMP TRUCK-PLATBED I 47.19 2.50 553.49 75/2016 72119 097 DUMP TRUCK-PLATBED I 47.19 2.50 533.49 75/2016 72119 2523 SEARS MARQUETTE I 12.16 2.59 533.49 75/2016 72119 2523 SEARS MARQUETTE I 12.10 2.50 545.39 75/2016 72119 2523 SEARS MARQUETTE I 12.10 2.50 536.25 Read Ed = 002946; MOUNTAIN VIEW DRIVE Activity M #02 Briefs - 3 7110216 71125 997 DUMP TRUCK-PLATEREY A I 20.29 5.00 501.45 7110216 71125 997 DUMP TRUCK I 42.10 6.00 572.40 7110216 71123 1000 DUMP TRUCK <td>Road Ed - 0010</td> <td>834 MCC</td> <td>ARVER</td> <td>DRIVE</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Road Ed - 0010	834 MCC	ARVER	DRIVE							
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Read Fd - 0020-65: MOUNTAIN VIEW DRIVE Activity M 402 Breach & Tree Chearing Read District -3 711(2016 72123 0027 DRYANT JEERY A 1 20.29 5.00 \$101.45 711(2016 72125 0027 DRYANT JEERY A 1 20.29 5.00 \$101.45 711(2016 72125 1042 BACKHOE 1 41.19 5.00 \$230.45 711(2016 72125 1042 BACKHOE 1 41.10 6.00 \$72.60 711(2016 72125 1049 DUMP TRUCK 1 172.38 6.06 \$80.16 711(2016 72125 2129 SWARDIS MEDILAS 1 18.31 6.06 \$80.16 711(2016 72125 9011 PCKUP 1 18.31 6.06 \$109.36 711(2016 72125 9011 PCKUP 1 18.31 6.06 \$109.36 711(2016 72125 9011 PCKUP 1 18.31 5.06 \$1	7/5/2016	72119	2528	CATTLING LEVAR	10	12.10	2.50	\$30.25			
Activity M 442 Break & Tree Clearing Boad District -3 1 20.29 5.00 501.45 71112016 72125 9877 DUMP TRUCK-FLATHED 1 47.19 5.00 5201.45 71112016 72125 1042 BACKHOCK-FLATHED 1 47.19 5.00 5201.45 71112016 72125 1042 BACKHOCK -FLATHED 1 47.19 5.00 5201.45 71112016 72125 1042 BACKHOCK -FLATHED 1 47.10 6.00 572.60 71112016 72125 1009 DUMP TRUCK 1 173.36 6.00 580.16 71112016 72125 9011 PCKUP 1 13.36 6.00 580.16 71112016 72125 9011 PCKUP 1 13.36 6.00 580.86 71112016 72125 9011 PCKUP 1 13.36 6.00 580.86 Baad Ed - 902251: RAMETTOWN ROAD 1 12.00 6.95 5	Rand Id = 0020	45+ MOU	NTAIN	VIEW DRIVE							
Read District -3 71112016 72329 0677 DEXANT JEERY A I 20.29 5.00 \$201.45 71112016 72125 0997 DUMP TRUCK -FLATHED I 47.19 5.00 \$201.45 71112016 72125 1042 BACKHOE I 61.70 5.00 \$208.65 71112016 72125 1042 BACKHOE I 61.70 5.00 \$208.65 71112016 72125 1042 BACKHOE I 12.0 6.00 \$72.60 71112016 72125 1090 DUMP TRUCK I 17.38 6.00 \$90.16 71112016 72125 2919 SWORDS NROLAS I 13.36 6.00 \$90.16 71112016 72125 2981 PACKUP I 18.21 6.06 \$72.60 71112016 72125 2981 PACKUP I 12.00 6.06 \$72.60 Read Ed - 002251 - RAMETTOWN ROAD I 23.53 5.00 <td< td=""><td>Activity M 400</td><td>2. Brush &</td><td>True Cles</td><td>ering</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Activity M 400	2. Brush &	True Cles	ering							
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71:112016 71:12 9997 DUMP TRUCK-FLATINED 1 47:19 5.00 \$23:0.95 71:112016 71:12 1042 BACKHON 1 61:73 5.00 \$300.45 71:112016 72:125 21:23 SEARS MARQUETTH 1 62:10 6.00 \$72:60 71:112016 72:125 10:09 DUMP TRUCK 1 77:28 6.06 \$403.68 71:112016 72:125 10:09 DUMP TRUCK 1 17:33 6.06 \$403.68 71:112016 72:125 09:01 PICKUP 1 18:31 6.06 \$300.16 71:112016 72:125 09:01 PICKUP 1 12:10 6.06 \$32:60 71:112016 72:125 09:01 PICKUP 1 12:10 6.06 \$32:60 N1:120:16 72:125 NMAYS JIMMY R 1 12:10 6.06 \$32:60 N:11:120:16 72:125 BACKHON ROAD 1 51:0 51:0	7/11/2016	72125	0077	BRYANT JERRY A	1.5	20.29	5.09	\$001.45			
111.12916 121.25 1042 BACKHOE 1 62.73 5.00 \$348.65 711.12916 721.25 2523 SEARS MARQUETTE 1 12.10 6.00 \$72.60 711.12916 721.25 1069 DUMP TRUCK 1 77.28 6.06 \$80.46 711.12916 721.25 1069 DUMP TRUCK 1 13.36 6.00 \$80.46 711.12916 721.25 4961 PKKUP 1 13.36 6.00 \$80.16 711.12916 721.25 4961 PKKUP 1 13.36 6.00 \$80.36 711.12916 721.25 4961 PKKUP 1 13.36 6.00 \$80.36 711.12916 721.25 4961 PKKUP 1 12.10 6.06 \$72.60 Rand District - I Activity ld -402 Breach & Tree Clearing Band District - I 552016 72071 6027 BEYANT JEERTY A 1 29.29 5.00 \$161.43 552016 72071 6047 BLACKHOE 1 67.34 5.00 \$2167.90 5552016 72071 1041 BACKHOE 1 67.34 5.00 \$	7/11/0016	72125	9997	DUMP TRUCK-PLATHED	1	47.19	5.00		\$235.95		
77112916 72123 2123 SEARS MARQUETTE 1 12.10 6.09 \$72.60 77112916 72123 1069 DUMP TRUCK 1 77.38 6.06 \$843.64 77112916 72123 2529 SWORDS NEORAS 1 13.36 6.09 \$80.16 77112916 72123 9041 PICKUP 1 18.31 6.06 \$72.60 77112916 72123 2531 MAYS JIMMY R 1 12.10 6.06 \$72.60 Read 64 - 902291: RABETTOWN ROAD Activity M. 402 Break & Tree Clearing Based Dietrist - I 552916 72971 9042 BEYANT JEERY A 1 29.29 5.06 \$191.43 552916 72971 9042 BEYANT JEERY A 1 29.29 5.06 \$191.43 552916 72971 9041 BLACKHOE 1 51.34 5.00 \$197.90 552916 72971 1041 BLACKHOE 1 61.34 5.00 \$30.65 5512916 72971 1045	7/11/2016	72135	1042	BACKHOE	1	68.73	5.00		\$308.65		
Tri 1/2916 72123 1009 DUMP TRUCK 1 77.28 6.06 \$463.64 7/11/2916 72123 2129 SWORDS NROLAS I 13.36 6.09 \$50.16 7/11/2916 72123 0981 PICKUP I 18.31 6.09 \$50.36 7/11/2916 72121 2531 MAYS RMMY R I 12.10 6.09 \$72.69 Rund Ed - 002291-: RAHETTTOWN ROAD Activity Id: 402 Breach & Tree Clearing Based District - I 550916 72071 0991 DUMP TRUCK-FLATHED I 29.29 5.06 \$191.43 550916 72071 0991 DUMP TRUCK-FLATHED I 53.51 5.00 \$2167.90 550916 72071 0991 DUMP TRUCK-FLATHED I 53.51 5.00 \$2167.90 550916 72071 1041 BACKHOE I 67.34 5.00 \$216.79 550916 72071 1049 PERKONS ROCHER L I 14.13 5.00 \$453.01 5502016 72071 1040	7/11/2016	72323	2523	SEARS MARQUETTE	8	12,10	6.08	\$72.60			
71112016 72123 2529 SWORDS NEOLAS I 13.36 6.09 \$80.16 71112016 72123 0911 PICKUP I 18.31 6.05 \$309.86 71112016 72123 2531 MAYS JEMMY R I 12.10 6.06 \$72.60 Based Ed - 002291-: RABETT FOWN ROAD Activity Id: 402 Breach & Tree Clearing Based District - I 5552016 72071 0027 BEYANT JEERTY A I 29.29 5.06 \$161.43 5552016 72071 0027 BEYANT JEERTY A I 29.29 5.06 \$161.43 5552016 72071 094 DUMP TELICK-FLATHED I 53.58 500 \$267.90 5552016 72071 1041 BACEHNE I 67.34 5.00 \$315.70 5552016 72071 1036 DUMP TELICK-JUS FOCIER L I 14.13 5.00 \$453.05 5552016 72071 1036 DUMP TELICK-JUS FOCIER L I 13.33 5.00 \$453.05 5552016 72071 <td< td=""><td>7/11/2016</td><td>72123</td><td>1009</td><td>DUMP TRUCK</td><td>1.0</td><td>77.28</td><td>6.05</td><td></td><td>\$463.68</td><td></td><td></td></td<>	7/11/2016	72123	1009	DUMP TRUCK	1.0	77.28	6.05		\$463.68		
TYLI2016 TYL23 OPEN PECKUP I 18.31 6.05 \$109.86 TYL12016 T2123 2531 MAYS JMMY R I 12.00 6.06 \$72.60 Based Ed - 002251: RABBITT FOWN ROAD Activity Id: 402 Breach & Tree Clearing Based District - I I 29.29 5.06 \$181.40 5/52016 T2071 0027 BRYANT JERRY A I 29.29 5.06 \$181.40 5/52016 T2071 0027 BRYANT JERRY A I 29.29 5.06 \$181.40 5/52016 72071 0998 DUMP TRUCKFLATHED I 53.58 5.00 \$287.90 5/52016 72071 1041 BACKINGE I 67.34 5.00 \$2167.90 5/52016 T2071 1036 DUMP TRUCKFLATHED I 67.34 5.00 \$316.70 5/52016 T2071 1048 DUMP TRUCKSUBIT MACK I 98.61 5.00 \$483.08 5/52016 <t< td=""><td>7/11/2016</td><td>72125</td><td>2529</td><td>SWORDS NIKOLAS</td><td>1</td><td>13.36</td><td>6.00</td><td>\$80.16</td><td></td><td></td><td></td></t<>	7/11/2016	72125	2529	SWORDS NIKOLAS	1	13.36	6.00	\$80.16			
Tri 12016 T212 2531 MAYS JMMY R I 12.00 6.09 \$72.60 Based Ed - 002291-: RABETT TOWN ROAD Activity Id: 402 Break & Tree Clearing I 12.00 6.09 \$72.60 Based Dietrict - I Stoppie Stop	7/11/2016	72825	-0945	PICKUP	1	18.31	6.00		\$109.56		
Based Ed - 002291-: RABETTTOWN ROAD Activity Id: 402 Evenh & Tree Clearing Based Dietrict - I 55/2016 21971 0027 BRYANT JERRY A I 29.29 5.06 \$191.40 55/2016 72071 0904 DUMP TRUCK-FLATHED I 53.58 5.00 \$267.90 55/2016 72071 1041 BACKHOE I 67.34 5.00 \$305.70 55/2016 72071 1041 BACKHOE I 67.34 5.00 \$305.70 55/2016 72071 1040 PERKINS ROGER L I 14.13 5.00 \$453.05 55/2016 72071 1036 DUMP TRUCK-JELS MACK I 98.61 5.00 \$453.05 55/2016 72071 1036 DUMP TRUCK-JELS MACK I 98.61 5.00 \$453.05 55/2016 72071 2507 GRANGER BRUCE I 13.35 5.00 \$453.05 55/2016 72071 2507 GRANGER BRUCE I 13.44	7/11/2016	72125	2534	MAYS JIMMY R	1.5	12.10	6.09	\$72.60			
Activity 14 442 Break & Tree Clearing Based Dietrict - I 5/5/2016 12971 0027 BEYANT JEERY A 1 29.29 5.06 \$191.43 5/5/2016 72071 0994 DUMP TRUCK -FLATBED 1 53.58 5.00 \$287.90 5/5/2016 72071 1041 BACKHOE 1 67.34 5.00 \$335.70 5/5/2016 72071 1041 BACKHOE 1 67.34 5.00 \$335.70 5/5/2016 72071 1040 PERKINS ROGER L 1 14.13 5.00 \$345.01 5/5/2016 72071 1036 DUMP TRUCK -314.5 MACK 1 96.81 5.00 \$443.03 5/5/2016 72071 2507 GRANGER BRUCE 1 13.35 5.00 \$443.03 5/5/2016 72071 2507 GRANGER BRUCE 1 13.35 5.00 \$463.03 5/5/2016 72071 2507 GRANGER BRUCE 1 13.44 5.00 \$472.0 <	Road 6d - 0022	SL- RAB	HITTON	N ROAD							
Based Dietrict - L S522916 12971 0027 BRYANT JEERY A I 29.29 5.06 \$161.43 5/5/2916 72971 0994 DUMP TRUCK-FLATBED I 53.58 5.00 \$287.90 5/5/2916 72971 1041 BACKHOE I 67.34 5.00 \$335.70 5/5/2916 72971 1041 BACKHOE I 67.34 5.00 \$335.70 5/5/2916 72971 1041 BACKHOE I 14.13 5.00 \$316.70 5/5/2916 72971 1046 DUMP TRUCK-JEE MACK I 98.81 5.00 \$483.05 5/5/2916 72971 1036 DUMP TRUCK-JEE MACK I 98.81 5.00 \$483.05 5/5/2916 72971 2507 GRANGER BRUCE I 13.33 5.00 \$483.05 5/5/2916 72971 9981 PICKUP I 19.44 5.00 \$473.20 5/5/2916 72971 9981 PICKUP I	Activity Id. 403	Ermh &	Tree Cle	arting							
S/S2016 12071 0027 BRYANT JERRY A I 20.29 5.06 \$101.45 5/S2016 72071 0994 DUMP TRUCK-FLATBED I 53.58 5.00 \$267.90 5/S2016 72071 1041 BACKHOE I 67.34 5.00 \$335.70 5/S2016 72071 1041 BACKHOE I 67.34 5.00 \$335.70 5/S2016 72071 1041 BACKHOE I 14.13 5.00 \$336.70 5/S2016 72071 1040 DUMP TRUCK-JELS MACK I 98.81 5.00 \$483.05 5/S2016 72071 2507 GRANGER BRUCE I 13.33 5.00 \$483.05 5/S2016 72071 2507 GRANGER BRUCE I 13.33 5.00 \$483.05 5/S2016 72071 981 PICKUP I 19.44 5.00 \$483.05 5/S2016 72071 981 PICKUP I 19.44 5.00 <t< td=""><td>Basid District</td><td>-t</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Basid District	-t									
552016 73071 0998 DUMP TRUCK-FLATBED 1 53.58 5.00 \$357.90 5552016 72071 1041 BACKHOE 1 67.34 5.00 \$335.70 5552016 72071 1041 BACKHOE 1 67.34 5.00 \$335.70 5552016 72071 1809 PERKINS ROGER L 1 14.13 5.00 \$37.65 5552016 72071 1036 DUMP TRUCK-JBLS MACK 1 98.61 5.00 \$483.05 5552016 72071 2507 GRANGER BRUCE 1 13.33 5.00 \$483.05 5552016 72071 2507 GRANGER BRUCE 1 13.33 5.00 \$483.05 5552016 72071 2507 GRANGER BRUCE 1 13.44 5.00 \$487.20 552016 72071 1981 PICKUP 1 19.44 5.00 \$487.20 Based Ed - 602788+r WELSON DRIVE 5 50.00 \$497.20 \$497.20	5/5/2016	32671	0027	BRYANT JERRY A	10	28.29	5.00	\$101.43			
5/5/2016 72971 1041 BACKHOE I 67.34 5.00 \$336.70 5/5/2016 72071 1809 PERKINS ROGER L I 14.13 5.00 \$37.61 5/5/2016 72071 1036 DUMP TRUCK-2013 MACK I 98.61 5.00 \$483.03 5/5/2016 72071 2507 GRANGER BRUCE I 13.33 5.00 \$483.03 5/5/2016 72071 2507 GRANGER BRUCE I 13.73 5.00 \$483.03 5/5/2016 72071 2507 GRANGER BRUCE I 13.73 5.00 \$483.03 5/5/2016 72071 981 PICKUP I 19.44 5.00 \$497.20 Based Ed - 902788+/ WELSON DRIVE I 19.44 5.00 \$97.20	\$252016	72071	0008	DUMP TRUCK-FLATIED	1	53.58	5.00		\$267.90		
5/5/2016 12071 1809 PERKONS ROGER L I 14.13 5.00 \$70.65 5/5/2016 72071 1036 DUMP TRUCK-2013 MACK I 98.61 5.00 \$453.05 5/5/2016 72071 2507 GRANGER BRUCE I 13.73 5.00 \$465.05 5/5/2016 72071 2507 GRANGER BRUCE I 13.73 5.00 \$467.20 5/5/2016 72071 9961 PICKUP I 19.44 5.00 \$477.20 Based Ed - 902788+/ WELSON DRIVE I 19.44 5.00 \$477.20	\$15/2016	22971	1041	BACKHOE	1	67.34	5.00		\$136.70		
\$152016 72071 1036 DUMP TRUCK-2015 MACK 1 98.61 5.00 \$453.05 \$152016 72071 2507 GRANGER BRUCE 1 13.73 5.00 \$68.65 \$152016 72071 9961 PICKUP 1 13.73 5.00 \$68.65 \$152016 72071 9961 PICKUP 1 19.44 5.00 \$97.20 Based Ed - 902798+/ WILSON DRIVE 1 19.44 5.00 \$97.20	\$75/2016	12071	1809	PERKINS ROGER L	1.1	14.13	5.00	\$30.65			
3/3/2016 72071 2307 GRANGER BRUCE 1 13.73 5.00 \$68.65 3/3/2016 72071 0061 PICEUP 1 19.44 5.00 \$97.20 Based Ed 002798+- WELSON DRIVE	\$7572016	73674	1016	DUMP TRUCK-2015 MACK	1.1	98.67	5.00		\$453.05		
3/5/2016 72971 8961 PICKUP 1 19:44 5:00 \$97.20 Read Ed - 992798-: WILSON DRIVE	\$30004	72071	2507	ORANGER BROCK		13.35	5.00	\$68.65	1.1		
Read Id - 002788-r WILSON DRIVE	4/4/1944	11073	1004.1	HCK10	1.1	19.44	5.00		\$97.30		
BOOM AN CONTRACTOR CONTRACTOR	Band Ld + 6677	WILL WILL	ON NP	N.F.							
Automa 14, 487, Bouch & Tree Charlest	Autom to an	t Brent F	Trees 6 To	and the second se							
Hand Blooks of	Read Block	A DOWN OF	1101 0.80								
101004 10100 1014 CARDON MARCIN 1 1116 2.50 101.40	Trained Description	20110	10014	CARDON MANYON	1.1	11.16	2.96	\$11.40			
21/2014 22110 0007 EXIMPTRICK_D ATMED 1 47.01 240 \$100	Transa a	101110	0.000	DUMPTING Y		47.94	2 40	10000	\$117.08		
THE REAL PROPERTY IN ALL PARTY AND ALL	10,00000	NULL.	1000	COMPACTOR CONTRACTOR		41.44					

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Dale	DJ M	M	Description	Retr M	Hate	Catty	Emp Cost	Equ Cost	Mat Cast	Con Cast
Project 54 - 28-00 Band Ld - 0027	LIWEATH	ER RELA	ATED MAINTENANCE-GEN. 3	HAINT.						
Activity 14 40	Brush &	True (ber	arian							
Read District										
205/2026	771.04	Inch	DACKING		61.73	2.50		\$154.33		
200,0004	20410	2424	HEL ADART		10.44	9.50	\$13.40	412-620		
0.000000	74219	2425	STARS MARKETTE	- 22	12.10	2.50	\$10.75			
200/2009	20110	10001	SEVERE BOARDON FILE		18.11	3.50	419.2.5	645.78		
7/5/2014	72119	2128	CATTLING LEVAE		12.10	2.50	\$30.25			
				Project Co.	i la Categori	-	SLATL26	\$4,812,97	50.00	50.00
				Wated Prote	a find	100	31212 031			14.439.73
				The state	11.0.000				_	and and an
Project 3d -28-00	-IWEATH	ER RELA	TED MAINTENANCE-GEN. M	LAINT.						
Band Id - 0000	191-: BAR	KSDALE	BOAD							
Activity 34 -40	2 Brush &	Trie Clev	aring							
Road District	1.1									
2/15/2017	72310	2527	ALLEN JORDAN	12	12.36	3.00	\$37.68			
2/15/2017	72340	1045	BACKINGE-2015 CAT 4100	1.2	41.73	3.00	33633	\$185.19		
2050917	72510	2532	HUFF WALTER B	10	12.06	3.00	\$56.18	1999		
2/15/2017	72548	0942	DOMP TRUCK-FLATRED		49.36	3.00	125000	\$148.08		
2/15/2017	72118	1000	TRAILER-2009	12	12.47	3.00		\$32.41		
2/15/2017	72145	1001	DUMP TRUCK NOT	- 22	49.56	3.00		\$148.08		
Band Ld . 0001	99. BR()	THERS	RUAD	1.2	0.000			(1997) 1997		
Autoity Mr. 40	1 Brent &	Tere Ches	aring							
Band District		1111 1.111	arring.							
120 12014	22340		ATTEN SWITTAN	12	12.54	5.00	GGT BID			
12/10/2010/06	22348	1040	BACKINGE, 2014 CAT JUNE	- 22	44.73	5.00		\$108.45		
120000000	97158	1000	TRANED, 2003	- 22	17.47	1.00		\$62.35		
1210.02010	10000	1000	THE REPORT OF A DAMAGE	1.1	47.03	4.00		4730.45		
12113(2009	72260	1400	NAR INCOMP	- 20	15.26	1.00	874.30			
12/13/20/06	712000	1000	TABLE PARTY AND ADDRESS	1.1	154.81	5.00		\$534.05		
12/13/2000	12200	TANK CLA	PROAD		104.01	2.00		20194/01		
Maple Da - Dolo	and more	Torres	er metrette							
Artesty Id. 40	C. Bruch A.	The Cas	aring							
Road Distric			AND A REAL PROPERTY AND	2.5	10.04	4.00	100.04			
2/15/2017	72310	4547	ALLEN JORDAN		12,30	4.00	241.44	4144.00		
215(2017	71210	1043	BACKIBOE-2013 CAT 450F		12.00	4.00	1.40 %	3040.52		
2/1.5/2007	72310	25,12	HUPP WALTER B	- 25	12.00	4.00	249.24	want or		
2/15/2017	72399	0902	DOMPTHICK X-PLATHED	- 23	43.39	4.00		2007.44		
2152007	72310	1000	TRALIN-2007		12.47	4.00		4107.15		
2/15/2017	72919	1004	INDER VIEW OF FLAT CREW	S. 50	49.78	4.90		BURLES.		
Road 56 - 000	124-C 8.88	TH GAP	HUND							
Arrivery 1d 40	2 Brook A	Tree Can	nung							
Road Desirbe		1000	ALL PROPERTY.		12.20	1.00	#10.0 m			
2/15/2967	12310	4147	ALLEN AMOUNT		12.39	3,00	2017/08	#100 to		
2/65/2007	72310	1943	546. KIR/E-2013 CAT 430P	2.0	43.45	3,000	-	\$185.18		
2/5.5(20)7	12340	2532	BUFF WALTER B		12.06	3.00	\$35.18			
2/15/2017	72310	0952	DUMP TROCK-PLATHED		49.36	3.00		PLAK OR		
2/15/2007	72910	1000	TRAEE8-3009		12,47	3.00		\$32.43		
2/85/2017	72310	1001	DOMP TRUCK-2010	- C	49,38	3.00		2148.08		
Read 1d - 003	ING MER	PHIRIT	BOAD							
Activity Id 49	2 Bresh &	Tree Cle	aring							
Read Distric	1.3									
3/9/2017	32305	1225	POSETY JAMES D	1.	16.48	5.00	382.40	12.200		
2/9/2017	72345	1040	BACKHOE-2015 CAT 450F	1	61.79	5.00		\$108.65		
3/9/2017	72305	1000	TRAELER-2009	1	12.40	5,00		\$62.35		
3/9/2017	72365	3494	DOMP TRUCK-2010	1. I.	49.36	5.00	20020	\$246.80		
3/9/2017	72305	2527	ALLEN JORDAN	1. I	12.34	5.00	361.80			
Boad 1d - 682	128-c OLD	GALLA	NT BOAD			2000	100.00			

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Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	DJM	M	Description	Bale M	Rate	Unity	Emp Cost	Equ Cost	Mat Cost	Con Cost
Project 1d -28-004 Band 1d - 0021	IWEATH 28+ OLD	GALLA	ATED MAINTENANCE GEN. N NT ROAD	AAINT.						
Artisto M 403	E Bruch &	Tree Clea	ring							
Road District										
13/30/2006	77366	2577	ATTEN RIRISAN		12.56	1.05	\$61.80			
13/08/0016	99944	1040	BACKNER-NHACATAME	1.1	63.73	1.00	15.55	\$308.65		
13/35/2014	-977.64	1000	TRAILER_3000		12.47	4.00		862.15		
12/20/20/20	22244	and a	PARAMETERS AND A STATE	100	47.05	1.05		\$716.65		
12/20/20/09	72200	1464	DOMP TROCK-ONTO		25.25	1.00	124.30	44.77.42		
12/20/20/06	12290	1491	PARE MARKS	1.1	10.00	1.00	\$10.70	\$554.05		
12/2002/09/98	012000	11/08	DUDD TRUCK-SITE BACK	4	recas	_		Austra		
				Project Can	t by Category	-	5664.68	\$4,526,88	58.00	50.00
				Tetal Proje	ct Cest				-	\$5,190.68
Project 14 -28-005 Road 14 - 0021	29+ OLD	IR RELA	ATED MAINTENANCE-AFTE MILL ROAD	RHOURS						
Activity Id. 400	Brief &	Tree Clea	oring							
7/20/2016	72133	9027	BRYANT JERRY A	1	29.21	4.00	\$116.84			
				Project Con	t by Category		3114.84	50.00	58.00	58.00
				Total Proje	et Cest	_				\$116.84
		In the second second	NAME AND ADDRESS.						_	
Project 14 -38-886	DEADATA	UNING E	SPAVED ROADS							
Hand Dd - 0007	the most	SI CIRC	1.6							
Activity 14 440	1. Briefs &	Tre Cle	arting							
Road District	-			210	51153		-			
8/29/2016	72167	9679	KELLEY DONALD R	1.1	21.49	10.00	3214.90	A		
8/29/2016	72967	1943	BACICHOE.		61.73	10.00	3.10.2.1.1	3617.30		
				Project Cas	t by Category	_	\$214.99	\$617.30	\$8.00	58.80
				Total Proje	el Cost				-	\$832.20
Project ld -28-608	-INGN IN	STALLA	TION AND MAINTENANCE							
Boad 5d - 0028	04: GRE	EN VAL	LEY BOAD							
Activity 14 483	E Brush &	Tree Clas	aning							
Road District	1-1-									
10/23/2016	12224	1513	ASH OSCAR	3	22.73	10.00	\$127.30			
10/21/2014	73221	1057	PICKUP-2012 FORD F150	1	18.95	10.00		\$185.90		
10/21/2014	72721	2516	SRELTON WELLAM J	3	21.79	10.00	\$217.90			
10/21/2016	22221	1070	TRUCK-2010	1	47.63	10.00		\$476.30		
16/23/2014	72221	2515	STOWERS SEEA	1	20.48	33.00	\$704.80	19403-1944		
16/73/2016	72221	1530	OUTHERY TROADS	3	20.95	10.00	\$208.50			
10/27/2014	72271	1066	DUMP TRUCK-2016 MACK	1	104.81	58.00	1.201550	\$1,048.10		
				Project Cor	t by Category		5815.50	\$1,718.30	\$0.00	50.00
				Total Proje	et Cast	_			-	\$1,569.88
	-		NOT ADDRESS TOTAL	inc					-	
Road Id - 0000	13-: ALE	XANDEL	LEOAD							
Activity M. 40	Bruch &	Tres Che	ar bear							
Read Property		1111 1.10								
ACCOUNTS AND ADDRESS OF	TING		MERCER MACHINE AN A	10	13.33	3.44	\$40.11			
402,00016	72004	1017	BACKING TRUNCAS A		10.00	3.00	411.1.1	4002.02		
6/2 //2016	12004	1040	TRANSFER LINE		11.14	2.04		414 74		
4/2/5/2016	12064	1000	CRAMERIC CONTRACT	2.5	81,28	3.60		4143.44		
4/27/2016	12064	1901	DUMP TRUCK-PLATHED		24.34	3.00		3163.82		
4/23/2014	T2064	0675	REFERA DONVED R	1.1	21,499	3.00	204.47	A 10.00		
4/33/2016 PA	GE 5 OF 2	0 09813	PRALIP	1	15.73	3.00 ET	OWAH COUNT	Y - DOCUMEN	NT SET 5-11	

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Report Date: 05/15/2017

Report Id: Rppro012.rpt

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Report Date: 05/15/2017

Report M: Rppro012.rpt

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	DJM	- MC	Description	Rate M	Rete	- Kuite	Emp Cost	Equ Cost	Mat Cest	Ces Cas
Project bil -28-814	HIROW M	UNTEN	INCE-MOW & THEE TRIMM	ING						
Read Id - 0004	174 DEL2	MONTC	BUCLE							
Activity 34, 400	2 Brush &	Tree Clas	aring							
Road District	-1									
8/9/2016	72173	0027	BRYANT JERRY A	4 C	20.29	2.00	\$40.58	120427		
8/6/2016	72179	0997	DUMP TRUCK-FLATINED	1 C	47.19	2.00		394.38		
8/9/2016	72179	1042	BACKHOE	1	61.73	1.60		\$61.73		
Read Id - 0005	18-: FOR	D VALLI	EY ROAD							
Activity M. 400	2 Brush &	Tree Cho	aring							
Road District	14									
9/19/2016	72187	0027	BRYANT JERRY A	1	29.29	5.00	1101.45			
3/15/2016	72187	-0997	DUMP TRUCK-FLATHED	1	47.19	5.00		\$235.95		
9/19/2016	73187	1042	BACKHOE	- E	41.73	5.00		\$308.65		
9/19/2016	72187	1468	DUTTON CLAUDE C	- E -	13,50	5,00	\$67.50			
9192316	72187	3064	2016 MACK DUMP DRUCK	1	104.81	5.00		\$324.85		
9/19/2916	72187	1809	PERKINS ROGER L	L	94.13	5.00	\$70.65			
919(2016	72187	0882	DUMP TRUCK+FLAT HED	1	43.36	5.00		\$216.89		
Road Id - 0005	38+ GALI	LANT III	OAD							
Activity 14 440	2. Brinh A	Tree Cles	aring							
Noad District	-4									
915/2916	72180	1217	NORTON STEVE A	F	16.12	3.00	\$48.36			
9/15/2016	72180	1052	ENCAVATOR-WHEELED	E	148.69	3.00		\$446.07		
9/15/2016	72185	3491	NAL JAMES	1.1	14.95	3.00	\$64.79			
915/2016	72980	1039	DUMP TRUCK-2003	- ES-	45.15	3.00		\$335.45		
9/15/2016	72183	1524	KUNN RICHARD A	3	27.38	3.08	582.14			
913/2016	72183	1015	PICKUP-2012 FORD F150	1	18.59	3.09		\$55.77		
9282916	12197	1217	NORTON STEVE A	1	16.12	1.00	\$32.24			
9/28/2016	72197	1043	BACKHOE	1.5	61.73	2.00		\$123,46		
9/28/2016	72,997	1009	TRAILER-UTRITY	1.5	12.47	2.09		\$24.94		
9/28/2016	72197	1000	DUMP TRUCK-FLATBED	1	47.95	2.00		\$95.85		
9/28/2016	32197	0679	KELLEY DONALD R	1.1	21,49	2.00	\$42.98			
9/28/2016	72397	1020	DOMP TRUCK-2003	1.	45.15	2.00		\$90.30		
Read 1d - 0005	172 - GLE	NN GAP	ROAD							
Activity Id 40.	2 Bresh &	Tree Cla	arling							
Road District	1.2									
\$23/2016	72162	0027	BRYANT JERRY A	- E	29,29	10.00	\$202.90			
8/25/2016	32162	0997	DUMP TRUCK-FLATHED	1 C	47.39	10.00		\$471,90		
8/23/2016	32162	1042	BACIEROE	1	61.73	10.00		\$617.30		
8/23/2016	12162	1809	PERKINS ROGER L	1	14.13	10.00	\$141.30			
8/23/2016	72162	1636	DUMP TRUCK-2015 MACK	1	78.95	10.00		\$789.50		
\$723/2006	72162	2507	GRANGER BRICE	1.1	13.73	19.00	\$132.30			
8/25/2016	72162	1009	DUMP TRUCK	¥ .	77.28	\$8.00		\$772.80		
Read 1d - 9900	II < BAP	PY HILI	RD.							
Activity Id. 48	2 Brash &	Tree Cler	aring							
Read District	1-3									
4/6/2016	72048	1513	ASH OSCAR	1	17,63	8.00	\$840.30			
4/6/2016	12048	1857	PICKUP-2012 FORD F158	1	19,74	8.00		\$153.92		
4/6/2016	72048	2516	SPELTON WILLIAM J	Τ.	15.08	8.00	\$120.64			
4/6/2006	72048	1019	TRUCK-FLATBED (SRON)	- XC	46.68	8.00		\$337.44		
Road 1d - 6067	71-: #0E	058082	NRD							
Activity 54 40	C Brenh &	Tree Cla	aring							
Road Diverio	1-3									
811/2016	721.52	2531	MAYS RMMY R	1 C	12.10	5.00	\$60.56			
8/11/2016	72152	1063	BACKHOE	1	61.73	5.00		\$308.65		
8/11/2016	72152	0679	KELLEY DONALD R	t .	21.49	- 5.00	\$107.45			
8/11/2016	72152	1000	TRAILER-UTILITY	1. C	12.47	5.00		\$62.35		
8/11/2016	72132	1001	DOMP TRUCK-FLATBED	¥	47.93	5.00		\$239.65		
Boad Id - 0009	044 LEE	TH GAP	ROAD							
Activity M 40	& deards 10	Tree Cle	aring							

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Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Dete	DIM	H.	Description	Rate M	Reit	Units	Emp Cost	Equ Cost	Mat Cert	Can Con
Project M -25-014 Road Id - 0009	-160W MD 24+ LEET	UNTEN TH GAP	INCE-MOW & THEE TRUMMI ROAD	NG						
Activity 34 400	Bruh &	Tree Cler	aring							
Road District	-3		Construction and the							
9/25/2016	72194	2531	MAYS JIMMY R	1	82.10	5.00	\$60.50			
9(29/2016	72198	1005	TRACTOR-MOWER	1	27.44	5.00		\$137,20		
929/2016	72198	1491	NAIL JAMES	1	14.93	5.00	\$34.65			
9292016	72198	1028	DUMP TRUCK-FLAT CREW	- E	36.22	5.00		\$181.10		
9292016	72198	0479	KELLEY DONALD R	1	21.49	5.00	\$107.45			
0/25/2016	72198	0983	PICKUP	1	14.93	5.00		\$74.65		
Road Id - 0038	46-: MOU	NTAIN	VIEW DRIVE							
Activity 14, 403	Ermh &	Tree Clev	aring							
Road District	-3									
7/16/2016	72118	1524	KURN RSCHARD A	1.2	21.42	4.00	\$85.68			
1000016	72118	1015	PICKUP-2012 FORD F150	E	18.59	4.00		\$74.36		
822/2016	72163	2611	MAYS IMMY R	1	12.10	18.00	\$121.00			
8/22/2016	72161	1045	BACKHENE		64.73	18.00		\$617.30		
8/23/3016	72164	2552	SHEELER DAVID	- 62	12.43	16.00	\$124.30			
8/23/2014	22164	1030	DRIMP TRUCK - 2003		45.15	18.00		\$451.50		
8/23/2014	12161	84.79	KEEL FY DOMALD B		21.49	15.00	\$214.90			
8/23/2016	97661	1000	TRANER-UTWITY	1	12.47	10.00		\$124.70		
2212214	11104	1000	IN MERINARY - DIATESTS	1.5	47.95	18.00		5479.30		
Band Ld . 0010	45. 0001	S 1804 3	OWBOAD		10.00					
Activity 14 and	t from 6	Trees Cites	ading .							
Accord The later	a person de	Line Cas	ereng							
Proof District	10000		WEILING STRATER D		10.12	1.00	\$32.17			
2010/2010	12072	1044	WELLIAMS STEWLER O	1	10.74	1.00	404.50	\$10.76		
5103016	73879	1000	CRAMP-2012 PORD P150	1.1	19,74	1.00	8700.15			
5102016	12075	2367	GRAPHER BROCH		28.15	1.00	820.17			
5/10/01/6	12005	9027	BATANT JERRY A		39.29	1.00	300.09			
5102016	72875	0998	DUMP IROCK-FLATNED		53.56	1.00		455.54		
5102916	73975	0041	BACKINGE.		61.34	1.04		367.54		
Band 1d - 0023	OFF BUCK	CLES NO	IAD							
Activity 1d -403	E Bren &	Free Chi	aring							
Road District			and the subscription of	12	10.00		100.00			
5/9/2916	72034	1225	POSEY TAMES D		16.12	2.59	240.30	30.000		
5/9/2016	228974	2040	BACKHOE	- 51	07.54	2.70		\$198.35		
3/9/2016	72974	1000	TRAILER-CTELTY		11.56	2.39		828.99		
5/5/2016	72074	1000	DOMPTHOCK-PLATHED		34,34	2.50	A	2130.83		
5/9/2016	12034	0679	KELLEY DONALD R		21.49	2.50	333.13	#1178.001		
5/9(2016	72074	0020	DUMP TRUCK2003	1	21.34	2.30		\$126.65		
Read 1d - 8934	Her SAR	DES BOA	D							
Activity M. 40	2 Brosh &	Tree Cle	sing							
Read District	- 3	32.1	·	200	11002	1000				
9/29/2006	72158	2554	MAYS JIMMY R	1	12.10	5,00	360.50	1000000		
\$292056	72198	1815	TRACTOR-MOWER	1	27.44	5.00	10000	\$137.20		
9/29/2016	72198	1495	NAIL JAMES		14.90	5,00	\$74.65			
9/29/2014	72198	1028	DUMP TRUCK-FLAT CREW	- E	36.22	5.00		\$181.10		
9/29/2010	72159	0679	KELLEY DONALD R	1.	21,49	5,00	\$107.45			
9/29/2016	12198	0983	PICKUP	1	14.93	5.00		\$74.65		
Road 1d - 0924	81< SCE2	VIC HIG	IFWAY							
Activity Id. 482	2 Brush &	True Cler	aring							
Road District	1.2									
4/19/2016	72058	8027	BRYANT JURKY A	1	20.29	19,00	\$202.90			
4/19/2016	72098	0997	DUMP TRUCK-FLATBED	t	53.58	10.00		\$535.80		
4/19/2016	T2058	1042	BACKHOE	1	47.54	10.00		\$673.40		
4/19/2016	72658	2507	GRANGER BRUCE	1	13.73	10.00	\$137.30			
4/19/2016	12058	1009	DUMP TRUCK	1	88.56	15.00		\$889.65		
4/19/2016	72658	1913	ASH OSCAR	1	17.65	10.00	\$176.58			
4/19/2016	12058	1057	PICKUP-2012 FORD F150	1	19.74	12.00		\$197.40		
PA	GE 8 OF 2	20	and should be of start with the local			ET	OWAH COUNT	Y - DOCUMEN	NT SET 5-11	

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Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	IM M	м	Description	Rate 1d	Rate	Units	Emp Cost	Equ Cost	Mat Cast Con Con
Project Id -18-014	-HROW M	AINTENA	NCE-MOW & TREE TRIMMI	NG					
Read 1d + 0924	81< SC17	OC HEG	HWAY						
Activity 14 482	Brash &	Tree Cles	ring.						
Band District	-1				1.0.00				
4/19/2016	72058	2516	SHELTON WELLIAM J		13.68	10.00	\$190.80	A	
4/19/2036	72098	1019	TRUCK-FLATHED (SRIP)		44.68	00.00		3440.80	
Road 1d - 0934	86-: SHEE	OLV LAP	NE						
Activity Id 400	Brush &	Tree Clea	ring						
Read District	- M	1000	120000000000000000000000000000000000000	2.5		22.02	-		
9/19/2016	72187	0627	BRYANT IERRY A	1.5	20.79	5,00	\$101.45	2114 D.C	
9/19/2016	72187	0997	DOMP TRUCKPLATBED		47,19	5.00		3235,95	
9/19/2016	72187	1043	BACKHOG		41.73	5.00	1000	2008.60	
5/19/2016	72187	1458	DUTTON-CLAUDE-C		13.50	5.00	367.50		
1/19/2016	72187	1064	2016 MACK DUMP DRUCK	E	204.85	5.00	about a second	\$324.05	
9/19/2016	72183	1809	PERKINS ROGER L		14.13	5.00	\$39.48		
5/19/2016	72187	0882	DUMP TRUCK-FLAT BED	1	43.36	5.00	0.23.22	\$236.80	
9/20/2016	72188	.0027	BRYANT JERRY A.		20.29	6.00	\$121.74		
9/30/2016	72188	0997	DEMP TRUCKFLATHED	1	47.19	6.00		\$283.14	
9/20/2018	72188	1942	BACKHOE	t	41.73	6.00	000005	\$120.28	
\$/20/2016	72168	1809	PERKINS ROGER L	1	14.13	6.00	\$84.78		
9/20/2016	72188	1065	2016 MACK DUMP TRUCK	1.1	504,83	6.00		\$628.86	
9/20/2016	221.88	1196	PATTERSON WILLIAM J	1 S	15.75	4.00	394.50		
9/20/2016	72188	0827	PICKUP	1.5	13.88	6.00		\$83.28	
Road 1d - 0025	78+ STO?	NE DRIV	К.						
Activity Id 403	Bresh &	Tree Cles	aring						
Road District	-2								
1/12/2016	72126	2526	CARROLL MARCUS	1.1	13.36	18.00	\$133.60		
3/12/2016	72126	1009	EXCAVATOR-TRACK	E	157.74	10.00		\$1,577.40	
1/12/2016	72126	2325	AIMSTRONG GRIEG	1	13.36	18.00	\$133.60		
3112/2016	72126	0817	PICKUP	E	13.88	10.00		\$138.80	
1/12/2016	73126	2515	STOWERS SHEA	1	15.26	10.00	\$152.60		
7/12/2016	72126	1008	DUMP TRUCK	1	77.28	16.00		\$772.80	
1/13/2014	10127	2526	CARROLL MARCES	1.5	15.56	18.00	\$133.60		
2/13/2016	72122	1009	ENCAVATOR-TRACK	1.1	157,74	16.00		\$2,577.40	
7/13/2016	72827	2525	ARMSTRONG GREG	1.5	13.36	16.00	\$113.60		
1/13/2014	72127	0981	PICKUP	- E -	18.31	10.00		\$183.10	
7/13/2016	92127	2515	STOWERS SHEA	1.1	15.26	10.00	\$152.60		
7/13/2016	72127	1008	DUMP TRUCK	1.1	37.28	10.00		\$772.80	
1113/2014	72127	0027	DRYANT JURRY A	1	35.29	10.00	\$202.98		
113/2016	72127	1089	DUMP TRUCK	1	77.28	16:00		\$772.89	
213/2016	72527	1809	PERKINS ROGER L	1.0	\$4.53	10.00	\$341,30		
1/13/2016	72127	1036	DUMP TRUCK-2015 MACK	1.1	78.95	10.00		\$789.50	
714/2016	221238	2536	CARROLL MARCUS	8	13.36	10.09	\$133.60		
7/14/3016	22128	1039	ENCAVATOR-TRACK	1.5	157.76	10.00		\$1,577.40	
1/14/2016	22128	0027	BRYANT JERRY A	1.5	28.29	10.00	\$302.90		
2/14/2016	72128	1008	DUMP TRUCK	12	77.28	10.00		\$772.80	
7/14/3016	221128	1809	PEREINS ROOFE L.	1	14.13	10.00	\$141.30		
7/14/2016	22128	1006	DUMP TRUCK-OUTS MACE	1	78.95	10.00		\$789.50	
7/14/2016	32128	1196	PATTERSON WELLIAM J	1.1	15.75	10.00	\$157.50		
7/14/2016	22128	1047	MOTOR GRADER-2015 CAT	1.1	122.21	10.00		\$1,222.10	
7/18/2016	72131	2136	CARROLL MARCUS	1	13.36	10.00	\$133.60	1000000	
7/18/2016	72410	1079	ENCAVATOR-TRACK	1	157.74	10.00		\$1,577.48	
718/3816	22131	1166	PATTERSON WELLIAM J	1.5	15.75	10.00	\$157.50	0.000	
2/18/2014	221144	2004	DUMP TRUCK		22.36	10.00		\$772.80	
THEFT	72131	1800	PERSONS INCOMES		14.11	10.00	\$141.30		
3/14/78/4	224.34	1016	DUMP TRUCK		78.95	10.00		\$789.10	
22502010	22135	2536	CARROLL MARCIN		13.36	10.00	\$115.60		
201020044	239.83	1039	EXCAVATOR-TRACK		157.34	10.00		\$1,377.40	
TINCALL	12132	0022	BRYANT IFERY A		20.79	20.00	\$3402.945		
11105-2010	10136	week.	STRATISTICS.		10000	10.00	20.000		

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Etowah County Road Department Job Cost Selective Report

from 4/1/2016 to 3/31/2017

Date	DJM	M	Description	Rate M	Rate	Units	Emp Circl	Eqs.Cont	Mat Cert	Cos Cost
Project 14 -28-054	LINCOW M	ADTEN	NCE-MOW & TREE TRIMM	ING						
Bead 14 + 0025	THE STOP	E DRIV	ĸ							
Activity 1d 40	2 Brash &	Tree Clea	ring							
Hoad District	1.2		This is an annual stat	- 23		10.00		41031-04		
71962006	703.04	1008	DUMP BUCK		10.28	10.00	#1.41 M	8772.89		
71912098	12132	1014	PERMITS BURGER L	- 23	78.15	10.00	3141.34	6780.58		
71942006	72332	10.96	COMPTRUCK-2015 MACK		13.20	10.00	#1773.40	2125.75		
7/20/2006	12133	2538	CARROLL MARLUS		12.39	10.00	3020200	#1 177.45		
1/20/2016	32133	1029	EAUATAION-INALK		132.26	10.00	#1114 AR	10,011,00		
7/20/2016	12133	1408	DOTTON CLAUDELC	1.0	10.50	10.00	- \$135.WE	8101.66		
7/20/2016	70109	1008	DOMP TRUCK		17.28	10.00	101111-00	Brite Brit		
7/20/2016	12139	1809	PERKINS ROOFE L		14.1.5	10.00	3040.39	E700 45		
3/20/2016	32130	1036	DUMP TRUCK-2015 MACK		18,95	10,00		3186.20		
3/21/2016	72134	2536	CARROLL MARCUS		13.36	10.00	\$133.60			
7/21/2006	721.94	1039	ERCAYATOR-TRACK	- N.	131.76	10.00		\$1,177.40		
3/21/2006	72134	1809	PERGINS ROGER L	1	34.13	10.00	\$141.30			
3/31/2016	72134	1036	DUMP TRUCK-2015 MACK	1.	78.95	10.00	1.200	2189.36		
7/21/2016	72134	D027	BRYANT JERRY A	+	20.29	10.00	\$3102.90	1.000		
3/21/2016	72134	1008	DUMP TRUCK	1	77.28	10,00		\$772.80		
3/25/2016	72137	2526	CARROLL MARCUS	1.	13.36	10,00	\$133.60			
7/25/2016	72137	1639	ENCAVATOR-TRACK	1	057.34	10.00		\$1,577.40		
7/25/2016	72137	0027	BRYANT JERRY A	A	20.29	10.00	\$202.90			
3/25/2016	32137	1008	DUMP TRUCK	1. C	77.28	10.00		\$772.80		
1/25/2016	72137	1809	PERKINS ROGER L	1	14.13	10.00	\$141.30			
3/25/2016	72137	1036	DUMP TRUCK-2015 MACK	1	78.95	10.00		3789.50		
Road Id - 0028	H9-: G0W	ENS CI	RCLE							
Activity 1d 48	Brieh &	Tree Cler	aring							
Road District	-1		Contraction of the							
4/39/3016	T2039	2512	SHEELER DAVID	1	12.43	2.00	\$34.86			
4/36/2016	12099	0997	DUMP TRUCK-FLATHED	1	53.58	2.00		\$107.14		
4/20/2016	72099	1647	BACKHOE	1	67.34	2.00		\$134.68		
4/30/2015	73016	2507	GRANCER BRUCE	2	20.15	1.00	\$20.15			
4/20/2016	12099	1009	DOMP TRUCK	1	88.96	2.00		\$177.92		
4/20/2016	73045	1110	MCGATHA CHARLES K	1	16.14	2.00	\$32.28			
4/16/3034	73049	1913	ANHOSCAR	¥	17.65	18.00	\$176.50			
4/36/3014	73099	1057	PICKUE-MUSTORIS F155	12	19.74	18.00		\$197.40		
4750016	23050	-24146	NUME TO BE WELLIAM I	- 22	15.06	10.00	\$150.85			
4/20/2016	12089	1019	TRUCK-FLATBED (SRIN)	÷ .	44.48	38.00		\$146.80		
				23.3		-	ALL REPORT OF		22.25	
				Project Car	of by Calegory	-	30,051,35	346,000.08	34.09	54,00
				Total Proje	et Cest				-	156,117.34
Project ld -28-81-	4-180W M	AINTEN	INCE-MOW, TREE TRIMMIN	eg.						
Boad Id - 0000	101-2: CE7	VTRE IG	AAD (CO RD 71)							
Activity 3d -40	2 Brief &	Tree Clu	aring							
Road Distric	1-2									
2020617	72346	1259	FROST HANDALL C	1)	21.96	6.00	\$131.76			
2/23/2047	72316	1054	PICKUP-2012 FORD F150		18.86	6.00		\$213.16		
2/22/2017	72516	2106	CARROLL MARCUS	1	13.64	6.00	581.84			
2022/2007	72316	0998	DUMP TRUCK-2008 GMC		49.36	6.00		\$296.14		
20220947	72316	1041	BACKHOE-2915 CAT 450F	1	.66.73	6.00		\$370.38		
2/22/2017	22316	2580	GRANCER BRUCE	1	14.04	6.00	\$84.24			
2/22/2017	72316	0991	PICKUP	1	18.86	6.00		\$113.16		
2/22/2017	72316	2515	STOWERS SHEA	1	15.59	6.00	\$89.54			
Boad 1d - 000	082-: BAL	D MOUS	TAIN CIRCLE							
Artivity M. 40	I Brech &	Tret Cle	arling							
Read Distric	1-4	18170								
11/1/2006	32228	2534	MAYS JMMY 8	1	12.36	5.00	\$41.80			
11/1/2004	71728	1935	TRACTOR-2009 KHON DEER	1	27.44	5.00		\$137.20		
PA	AGE 10 OF	20	Annual in solution			ET	OWAH COUN	TY - DOCUMEN	IT SET 5-11	

Report Date: 05/15/2017

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Report Id: Rpprol12.rpt

Emp Cost Eqs Cief Mat Cost Cost Cost Date DJ M M. Description. Rate M Rate Units Project 14 -28-854-DROW MAINTENANCE-MOW, TREE TRIMMING Band Id. + 000082+: BALD MOUNTAIN CIRCLE Activity Id 402 Brush & Tree Clearing **Boad District -4** \$60.30 12.06 3.00 11/1/2016 12728 2532 HUFF WALTER B 1. \$90.35 11/1/2016 71228 9933 PICKUP 1 18.07 1.00 Road 1d - 100178-: BRASHER CUT-OFF RD Activity 1d 402 Brash & Tree Clearing Road District -4 12.36 1.00 \$24.32 16/34/2016 12216 2531 MAYS AMMY B \$54.88 27.44 2.00 TRACTOR-3009 JOHN DEER 10/34/2016 72218 1685 3 15.26 1.00 \$30.52 10/24/2016 72218 1491 NAIL JAMES 1 \$36.14 18.07 2.00 10/34/2016 71218 0933 PICKUP 1 POSEY JAMES D 1 11.48 2.00 \$33.96 10/34/3016 72218 1225 28.34 \$57,48 1 2.69 10/34/2014 72218 3014 TRACTOR 1 \$27.28 16/34/2016 72218 2525 ARMSTRONG GREG 23.64 2.08 24.42 2.00 548.84 10/24/2016 72218 0882 TRACTOR £ 12.36 2.68 \$24.72 72218 2527 ALLEN JORDAN 1 16/24/2016 \$49.82 3.66 10/34/2016 72218 1003 TRUCK-PICK UP FLAT t 24.91 \$42.76 53218 01185 BOTARY CUTTER-2013 1 21.38 1.08 1024/2016 \$33.30 72218 0018V CUTTER-RHINO 7 ż 16.65 2.00 10/24/2016 Read Id - 000199-: BROTHERS ROAD Activity 12 482 Brush & Tree Clearing Baad District -4 2534 MAYS EMMY 8 ε. 12.36 2.68 \$24.72 10/20/2016 12115 \$54.88 1029/2014 22215 1655 TRACTOR-MOWER t 27,44 2.00 06/20/2016 12215 1491 NAE JAMES Ľ 15.26 2.00 \$36.52 \$32.86 72714 0061 PERMIT 1 16.43 2.00 10/20/2014 Road 1d - 808287 c BRETON GAP ROAD Activity ld 482 Breek & Tree Clearing Road District - 3 ż 18.21 1:00 \$18.21 10/18/0616 72213 2531 MAYS JIMMY II. \$27.44 1 27.44 1.00 10/18/2016 32213 1015 TRACTOR-MOWER NAE, JAMES 2 23.26 1.00 \$22.20 72213 1491 10/18/2016 Ł 18.07 1.00 \$18.02 72313 0953 PICKUP 10/18/2016 Ľ 12.36 5.00 \$61.80 MAYS IMMY R D0/18/3016 72213 2594 5.00 \$137.20 1855 TEACTOR-MOWER Ł 27,44 10/18/2016 122115 15.26 5.00 \$76.50 72213 1494 MAIL JAMES t 10/18/2016 18.07 5.00 \$98.35 0953 10138/2016 722113 PICKUP L 5.00 \$109.85 12213 0629 KELLEY DONALD R Ł 21.96 0018/2016 12113 0583 PERMIT ŧ. 14.93 5.00 \$74.65 10/18/2014-Road Id - 098218; BULL BOLLOW ROAD Activity Id 402 Brush & Tree Clearing Read District -4 ż 18.21 2.60 \$36.42 10/27/2016 2634 MAYS IDMMY R 722216 TRACTOR-3009 JOHN DEER 27.44 2.80 \$54.88 1655 72221 н 10/27/2646 ż 32.20 2:00 \$44.40 72224 1491 NAIL JAMES 10/27/2016 2:00 \$36.14 18.07 39/5202646 72224 0453 PICKUP I 2.80 12.56 \$24.72 72226 2031 MAYS IIMMY R. 10/01/2016 2.00 \$54.88 27.44 TRACTOR-2009 JOHN DEER 10/01/2016 72226 1035 2.60\$24.12 71216 243/2 HOFF WALTER B 12.06 10/01/2016 18.07 2.00 \$36.14 72236 0993 PICKUP 1 10/01/2016 15.45 2.00 \$32.96 72726 1225 POSEY JAMES D 3 18/31/2016 \$57.48 2.00 28.74 10/31/2006 72236 1004 TRACTOR. \$42.76 ROTARY CUTTER-2013 21.38 2.00 18/31/2006 72236 01185 2525 2.00 \$27.28 AILMSTRONG CREG 13.6415/3.02005 72224 \$48.84 24.42 2.00 16/31/2016 72236 0881 TRACTOR. \$13.30 OTIEV CUTTER-RHINO 7 16.65 3.00 10/31/2006 72226 18/31/2006 72224 2527 ALLEN JORDAN 12.36 2.68 \$24.72

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Report Id: Rpprol12.rpt

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Date	0.016	M.	Description	Rate Id	Rate	Units	Keep Cost	Eqs.Cot	Mat Cost	Con Cast
Project 1d -28-004 Rand 8d - 0002	SN-: BULL	UNTERA	NCE-MOW, TREE TREMMIN OW BOAD	G						
Activity 14 403	Ersch &	Tree Clea	urine							
Boad District	-4									
10/11/2016	21226	5003	TRUCK-PICK UP PLAT		24.91	2.00		549.82		
Hand 54 . 0007	26. BURS	ION CET	LOFF			1000		1000		
Autom 14 All	Brech &	Tree Cles	a los							
Board Biotelet										
110/2016	ana a	44144	MANY PARTY D		17.56	3.60	\$30.90			
11803614	77794	10115	TRACTOR-1000 FORM DEEP	S 10	37.44	2.55		\$48.60		
11 Kirbera	10114	3513	DESIGNATION IN THE R	- R.	12.55	3.55	\$26.15			
1140/2004	99994	0013	PACK I IP	1.1	18.07	2.55	10/10/12	\$45.18		
12/2/2014	77164	3615	MANE IMBAY R	100	12.56	1.00	\$51.00			
13/2/56/14	12226	1015	TRACTOR, 2009 ICAIN DEPR	- 10 -	27.64	1.06		\$137.20		
LANDAUX.	100.00	3423	LIGHT WALTER D	- 19 -	12.06	5.00	560.30			
12112000	71754	20123	DOWNER D		18.00	4.00	444.54	105.15		
Read Ld	11 . BE M	CON L CH	OP BOAR					10000		
Nobel Per - Write	and more	TOTAL AS	or now							
Activity to 403	i fermit w	Free Case	e conf							
Mond Destrict		24722	MANY PROPERTY OF	100	17.54	2.44	\$36.00			
11002009	12239	25,91	TO ACTOR. NON SOURCESE	S	10.00	2.54	4.00.00	101.00		
110903009	22235	2023	TRACTOR-TONY JOINT DEEM		17.04	1.10	\$30.11	per per		
11/9/2009	12039	25.52	BUTT WALTER B	20	10.00	2.46	309.13	545.18		
11042009	10035	1003	PR.KOP		17.54	10.00	1.0000.000	44.618		
11/14/2018	122.58	2590	MATS JOBMT R.		10.29	10.00	2120000	1224.00		
11/14/2018	10034	9933	TRACTOR-2009 JORN DEER	8 <u>1</u> .	12.049	10.00	£135.46	PUTATION		
11/14/2018	12138	1552	BUFF WALLER B		18.00	10.00	3120.00	\$189.70		
11114/2014	122.08	0003	PRADE		13.34	1.000	241.00	1100.10		
11/29/2016	12249	45.90	MAYS JIMMY R	1.1	12.30	2.00	341.80	8112.30		
11/29/2016	12249	1610	TRACTOR-2009 JORDS DEEK	5 20	27,99	5,00	440.00	\$131.20		
11/29/2016	72,249	2532	SUPP WALTER B	1.1	12.00	5.00	3400.500	#100 Tel		
11/29/2016	12349	0900	PERMIT		12.34	2.00	803.00	104110		
127/2016	72296	2904	MAYS JUMMY R		12.36	5,00	300.80	6112.20		
12/7/2016	12156	100	TRACTOR-2009 JOBN DEEA		25,44	5,00	ALC: 10	41.0.46		
12/2/2016	12336	2582	HUFF MOLITER IN		12.09	5,00	369.30	20000		
12/7/2014	722.96	0033	PEROP	A	18.00	5.00		246.00		
Read 1d - 0992	022 BR.92	CARDED	OCK BOND							
Activity 1d 400	Bresh &	Tree Chi	arteg							
Read Diviriet	-4				-		#10.00			
12/14/2010	72268	2334	MAYS RMMY 8		12.26	2.50	130.90			
12/14/2016	12364	1003	TRACTOR-2009 JOHN DEEM	÷ 12 -	27,44	2.50	******	308.00		
12/14/2016	72264	2912	HOPP WALTER B		12.00	2.50	20610	A100.00		
12/14/2016	12264	0903	PICKUP		18.03	2.50		240.18		
Road 1d - 0963	HIA CON	SERVAT	BON LAKE ROAD							
Activity 5d 405	1 Bresh &	Tree Cles	aring							
Road District	-4			20	1000	10.000	1000			
00193016	72214	25.81	MATS RMMY K		10.01	2,00	376.42			
00102016	72234	1005	TRACTOR-MOWER		27.44	2,00	100.007	204.00		
10/19/2016	71214	0679	RELLEY DONALD R		32,01	2,00	304.02			
10/19/2016	12214	0963	PERCP		3430	2.00		329.86		
Road 1d - 0082	Sak COE	STREET.	REEK BOAD							
Activity M 400	2 Brash &	Tris Cle	aring							
Road District	-		A distant with the second second	23			-			
10/25/2016	11214	2531	MATS IMMY R	4	18.23	2.00	200.42			
10/25/2006	72219	1005	TRACTOR-2009 ACHIN DEEK	1.15	37.44	2.00		304.88		
10/25/2006	72219	1491	FOAL JAMES		12.20	2.00	241.40	(anima)		
10/25/2016	12219	0903	PR. N. IP		16.07	2.00		3/0.14		
Boad Id - 0003	694 COU	SURF II	ILLS ROAD							
Activity Id. 400	1 Brueb &	Tree Clo	aring.							
Houd Destrict	1.00									

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Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Project M -28-014-1800W MAINTENANCE-MOW, TREE TRIMMING Read Ed - 000399 -: COUNTRY HILLS ROAD Activity Ed 402 Break & Tree Clearing Boad District -4 10/26/2016 72220 2331 MAYS JMMAY R 1 12.36 5.00 \$61.00 10/26/2016 72220 1005 TRACTOR-2009 KHN DEER 1 27.44 5.00 \$137.20 10/26/2016 72220 1491 NAIL JAMES 1 15.26 5.00 \$76.30	
Based Ed 000059-: COUNTRY BILLS ROAD Activity Ed. 401 Break & Tree Clearing Boad District4 10/26/2016 32220 2131 MAYS.RMMY R 1 12.36 5.00 \$61.80 10/26/2016 72220 2131 MAYS.RMMY R 1 12.36 5.00 \$61.80 10/26/2016 72220 1015 TRACTOR-3009 KHN DEER 1 27.44 5.00 \$137.20 10/26/2016 72220 1491 NAIL JAMES 1 15.26 5.00 \$76.30	
Activity 14 402 Breads & Tree Clearing Boad District -4 10/26/2016 32220 2331 MAYS JMMAY R 1 12.36 5.00 \$61.80 10/26/2016 72220 2331 MAYS JMMAY R 1 12.36 5.00 \$61.80 10/26/2016 72220 1005 TRACTOR-2009 KHN DEER 1 27.44 5.00 \$137.20 10/26/2016 72220 1491 NAIL JAMES 1 15.26 5.00 \$76.30	
Boad District -4 10/26/2016 32220 2531 MAYS JMMY R 1 12.36 5.00 \$61.80 10/26/2016 72220 1005 TRACTOR-2009 JOHN DEER 1 27.44 5.00 \$137.20 10/26/2016 72220 1491 NAIL JAMES 1 15.26 5.00 \$76.30	
19/26/2016 72220 2131 MAXYS.RMMY R 1 12,56 5.00 367.00 19/26/2016 72228 1035 TRACTOR-2009 X)HN DEER I 27.44 5.00 \$137.20 19/26/2016 72220 1491 NAIL JAMES I 15.26 5.00 \$76.30	
19/26/2016 72220 1491 NAIL JAMES 1 15.26 5.00 \$76.30	
18/26/2016 12220 1491 NAIL JAMES 1 15.26 5.00 \$16.30	
10/26/2016 72229 09/3 PICEOP 1 18.07 5.09 29/6.15	
Road Id - 000075-(COX GAP ROAD	
Activity 14 492 Brush & Tree Clearing	
Road District -3	
10/11/2014 72207 2331 MAYS RMMY R 1 12.36 3.00 301.80	
10/16/2016 72207 1005 TRACTOR-MONDER 1 27.06 510 \$151.00	
10/11/2016 1220P 1481 NAL JAMES 1 15:20 5:00 \$16.70	
10/11/2016 72207 H08 DUMPTBUCK-FLAT CREW 1 36-22 5:00 \$101.19	
Read Id - 000091+ CROSBY ROAD	
Activity Id: 402 Brush & Tree Clearing	
Read District -4	
12/28/2014 72267 2531 MAYS JIMMYE N 1 12.16 5.00 \$61.80	
12/2/0/16 72267 1035 TRACTOR-2009 JOBN DEER 1 27.44 3.09 3137.20	
12/28/2016 72267 2102 HUFF WALTER B I 12.05 5.09 500.30	
12/23/2014 72267 0933 PICKUP 1 18.07 5.09 \$99.33	
Road Id = 009422-; DEE NIX ROAD	
Activity Id 402 Brush & Tree Clearing	
Read District -4	
12/14/2016 72261 2531 MAYS/IMMY/R 1 12.36 2.30 \$30.90	
13/14/2016 22261 1015 TRACTOR-2009 JOHN DEER 1 27.44 2.50 \$68.69	
12/14/2016 72261 2532 HUFF WALTER B 1 12:06 2:30 \$30.13	
12/14/2016 72261 0033 PECKUP I 18.07 2,50 \$45.18	
Road Ld + 608440-: DOGWOOD DRIVE	
Activity 1d 482 Brash & Tree Clearing	
Read District -4	
10/19/3016 72214 2533 MAYS JIMMY R 1 12.36 3.00 \$37.08	
10/19/2016 12254 H033 TRACTOR-MOWER 1 27.44 3.00 \$82.32	
10/19/2016 72214 1491 NAIL JAMES 1 15.26 3.00 \$45.78	
10/15/2016 72254 0813 PICKUP 1 18.07 3.00 \$54.21	
10/19/2616 72214 0679 KELLEY DONALD R 1 21.96 3.00 \$65.88	
10/19/2016 12214 (083 PEXUP 1 14.9) 3.00 \$44.79	
Read Id - 0004974 DUCK SPRINGS BOAD	
Activity Id. 402. Brook & Tree Clearing	
Road District -3	
001112016 72212 2531 MAYS IIMMY # 1 12.36 5.00 \$61.80	
50YT22016 72212 1835 TRACTOR-MOWER 1 27.44 3.00 \$137.30	
10/11/2006 72212 1491 NAIL IAMES 1 15.26 5.00 \$76.30	
10/17/2016 72212 1028 DUMP TRUCK-FLAT CREW 1 36.22 5.00 \$181.10	
19/17/2006 72212 2531 MAYS/RMMY/R 2 18.21 1.00 \$18.21	
90/17/2006 T2212 1055 TRACTOR-MONER 1 27.44 1.00 \$27.44	
10/17/2006 72212 1491 NAILJAMES 2 22.20 1.00 \$22.20	
\$9/17/2006 72212 1628 DUMP TRUCK-PLAT CREW I 36.22 1.00 \$36.22	
15/08/2016 72213 2531 MAYE/MMY R I 12.36 5.00 \$61.88	
19/18/2016 72213 1035 TRACTOR-MOWER I 27.44 5.00 \$137.39	
18/18/2016 20213 1491 NAIL JAMES 1 15.26 3.00 \$76.30	
16/16/2016 72213 0913 PICKUP 1 18.07 5.00 \$90.35	
HV18/2016 72213 6679 KELLEY DOMALD R I 21.96 5.00 \$309.80	
16/18/2016 72213 IEMES PECKUP I 14.93 3.00 \$74.65	
18/18/2016 72213 2531 MAYS/8MMY/R 2 18/21 1.00 \$18/21	
16/16/2016 72213 1035 TRACTOR-MOWER 1 27.44 1.00 \$27.44	
16/16/2016 32213 1491 NAE JAMES 2 22.20 1.00 \$22.20	
16/18/2016 22213 0933 PECKLP I 18.07 1.00 \$48.07	

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Date	0.3 14	M	Description	Rate M	Rete	Units	Emp Cost	Equ Cost	Mat Cost	Con Cost
Project 14 -38-014	HROW M	AINTENA	NCE-MOW, TREE TRIMINIS	i						
Read 54 - 0004	874 DUC	K SPRIN	GS ROAD							
Activity 1d 403	E Brush &	Tree Clea	ring							
Houd District	-3									
10/19/2010	72214	2531	MAYS JIMMY R	1 C C	12.36	3.00	\$37.08			
10/29/2016	72214	103.5	TRACTOR-MOWER	1	27.44	3.00		\$82.32		
10/29/2006	72214	1491	NAIL JAMES	1.1	15.26	3.00	\$43.78			
10/19/2016	72214	8933	PRCICUP	1	18.07	3.00		\$54.21		
10/19/2016	32214	0679	KELLEY DONALD R	8	21.96	3.00	\$65.88			
10/29/2016	22214	0983	PICKUP	1.5	14.93	3.00		544.79		
Boad Id - 0005	38 c GAL	LANT IX	DAD							
Activity 1d 403	E Brash &	Tree Clea	ring							
Band District	-4		· · · · · · · · · · · · · · · · · · ·							
10/19/2016	72214	2538	MAYS RMMY B.	1.1	12.56	4.00	\$49.44			
10/29/2016	72214	1035	TRACTOR-MOWER	1	27.44	4.00		\$119.76		
10/29/2016	32204	8490	NAIL JAMES	1.1	15.26	4.00	561.04			
10/29/2016	72214	-0933	PECKUP	1.1	18.07	4.00		\$72.28		
10/19/2016	72294	0679	KELLEY DOMALD R	1	23.96	4.00	587.84			
10/19/2016	22214	0083	PRICE	10	14.93	4.00		\$59.72		
10/20/2014	22225	2510	MAYS EMMY 8		12.36	2.00	\$24.72			
10/10/2018	17214	1015	TRACTOR_MONTR	- R.	27.44	2.00		\$34.88		
10/10/2014	79105	1493	NAT LANES	- 22	15.25	2.00	\$30.12			
10/20/2014		104.7	PR	- 22	16.43	7.00	across.	\$12.86		
10/14/2014	77714	2010	MANS PADJY II	- 20	12.36	1.00	\$24.73			
10/24/2016	12218	1070	TRACTOR , DOG MED DEED	- 23 -	27.44	1.00	den re	454.00		
10/24/2004	22218	1.000	NAME TANKING POINT DALLS.	- 22	15.36	2.00	530.77			
10/24/2019	1000	0013	Portal Architector	1.1	15.07	2.66	270.74	C15.14		
10/28/2016	72210	1003	PROFILE INTERPORT		16.48	1.00	412.04	200.14		
10/38/2016	32238	1215	PUBLY PAMES D	10	10,48	2.00	878.74	817.48		
10/24/2014	12208	1914	ISON, TOK		11.04	3.00	811 16	801.44		
16042016	72298	2525	Admistración da da da		1,1,04	2.00	341.18	C 48 84		
10342036	322108	0881	TRACTOR	1.1	24.42	2.00	411.0	346.34		
16(34/2016	12238	2323	ALLEN JORDAN		12.39	2.00	404.02			
16/14/2014	322158	1003	TRUCK-PEC UP FLAT		24.91	2.00		247.82		
10242016	72218	.01185	ROTARY CUTTER-29D		21.34	2.00		342.70		
10(24/2014	72218	0118Y	CUTTER-RIENO 7	1	16.63	2.00		200.39		
1026/2016	72230	2514	MAYS IMMY R		12.36	5.00	361.80	(P-0-2-2)		
10/26/2016	12220	1005	TRACTOR-2009 JOHN DEER		27.44	3,00	A. 100	\$130,20		
10/36/2016	72229	1491	NAB, JAMES	1	15.28	3,00	216.30	and in		
00/26/2014	72120	0993	PICKUP		18.07	5.00		\$96.33		
10/21/2016	72229	2534	MAYS IDDAY R	1	12.36	5.00	361.80			
10/23/2016	12221	1695	TRACTOR-2009 JOHN DEDR	1	27.64	5.00	1202.0	\$131.38		
10/21/2016	72229	1491	NAIL DAMES	1	15.26	5.00	\$78.30	1000		
10/27/2016	72223	0953	PICKUP	1	18.07	5.00		\$90.35		
Road Id - 0905	644 GILI	LILAND	ROAD							
Activity Id 485	2 Bresh &	Tree Clea	tring							
Road District	1-4						1000			
32(15/2016)	72265	2101	MAYS JIMMY R	¥	12.56	3.00	\$37.08			
12/19/2016	T2265	1035	TRACTOR-3009 JOHN DEER	- LO	27.44	3.00		283.15		
12/19/2016	72265	2532	HERE WALTER B	1	12.06	3.00	\$36.18			
12/19/2016	72265	0953	PICKUP	1	18.07	3.00		\$54.31		
12/19/2016	72263	1124	KUNN RICHARD A	1. L	25.89	3.00	\$65.67			
13/19/2016	72265	1055	PICKUP-2012 FORD F150	1	18.59	3.00		\$55,77		
12/20/2016	72266	2534	MAYS IMMY R		12.56	5.00	\$51,88			
12/20/2016	72266	000.5	TRACTOR-3009 JOHN DEER	- X	27.44	5,00		\$137.30		
12/20/2016	72266	2532	HUFF WALTER B	1	12.06	5.00	\$60.36			
12/20/2016	T2266	0933	PICKUP	1	18.07	5.00		\$90.35		
12/21/2016	72367	2531	MAYS BMMY B	1	12.36	3.00	\$61.80			
12/21/2006	73267	1005	TRACTOR-2009 JOHN DEER	1	27.44	3.00		\$137.30		
12/21/2016	72267	2532	HUFF WALTER B	1	12.06	1.00	\$60.30			

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Report Date: 05/15/2017

Report M: Rppri012.rpt

Etowah County Road Department Job Cost Selective Report

from 4/1/2016 to 3/31/2017

Date	0.014	M.	Description	Rate M	Rate	E juits	Emp Cost	Equ Cost	Mail Cent	Can Cost
Project M -38-014	-180W M	UNTEN	NCE-MOW, TREE TRIMMIN	6						
Read Ld - 0005	644 GB.L	ILAND)	ROAD							
Activity 1d 400	Brush &	True Ces	oring							
Road District	-4									
13/21/2016	72263	0903	PERCEP	F	18.07	5.00		\$99.33		
Road Ed - 0007	204 HUT	CHENS I	ROAD							
Activity Id. 403	E Brush &	Tree Circ	aring							
Boad District						100.02	0.020			
10/20/2016	72215	2531	MAYS RIMNY R	1. S	12.36	2.00	\$24.72	0100010		
10/20/2016	72215	1035	TRACTOR-MOWER		27.44	2.00	2.000	554.88		
16/20/2016	72213	1491	NAIL JAMES	1.0	15.26	2.00	\$30,52	1000		
10/20/2016	72215	0062	PICKUP	- U.S.	14.40	2.00		\$30.86		
Haad 1d - 0003	API TWO	csos n	CAIL.							
Activity 1d 400	1 Brush &	Tree Clea	aring							
Boad District	-4		LUNCER DE LA COMPANY		17.74	4.00	641 mm			
17/1/2010	72233	2101	MATS JOHN II.	8 N -	12,39	2.00	301.80	5117.35		
11/12946	72233	1005	TRACTOR-2009 XMM DREE	8.20-	22,000	4.00	640.10	2131.24		
11/11/1000	22230	2532	HOFF WALLER B	- 22	18.07	1.00	200.70	400.15		
11/1/2016	75230	0815	PRODUCT PRODUCT	- 22	13.34	10.00	4172.45	100.35		
11/0/2016	22234	2531	MATS AMOUT &	8 10 -	12,00	10.00	area of	6174.48		
11002000	10000	100.5	TRAVE TORC-2000 ACTIVE DEER	1.12	12.06	10.00	4135.40	401444		
11/8/2000	122.04	2332	PROPP WORLING IN	- 13 -	18.07	10.00	\$120,00	12185.29		
Bood Ld	75. 1000	VI SAF	PROP NOT	4.02		00.09		2100.10		
Automa Id. All	the state	Tree Che	and the second							
Rend Birdelet		Libr Can	arting.							
11/9/20/06	12214	2011	MAYS IMMY 8.	- E2	12.36	2.50	\$30.90			
11/5/2006	21254	1015	TRACTOR-2009 KWIN DEER	3 P	27.44	2.58		\$48.60		
11/5/2004	12235	2512	HERE WALTER B	- 62 -	12:06	2.50	\$30.15	1200		
11/9/2004	77234	-0013	PICKUP		18.07	2.50	23 Y	\$45.18		
Road 14 - 0005	45-: LITT	LE COV	EROAD		30,206					
Activity Id. 483	Ersh &	Tree Clea	aring							
Road District	-4		1.1							
3/14/2017	72309	2532	HUPP WALTER IF	1	12.06	5.00	\$68.30			
2/14/2017	72309	8935	TRACTOR-2009 JOHN DEER	1.	27.44	5.00		\$137.20		
Road I.d - 8005	68-: LITT	LE WIL	LS VALLEY BOAD							
Activity 5d 400	2. Bresh &	Tree Cle	aring							
Read District	-2									
1/17/2017	72286	0027	BRYANT JERRY A	3 C	20.73	3.00	362.19			
6/17/2017	72286	0997	DUMP TRUCK-2008	1.	-49.36	3.00		\$148.08		
\$112/2017	12286	1041	BACKHOE-2015 CAT 430F	1	61,73	3.00		\$185.19		
1/17/2017	72286	2507	GRANGER BRUCE	1	14.04	3.00	\$42.12			
6/17/2017	72286	0981	PICKUP	¥.,	18.86	3.00	공장 한 문	\$56.58		
1/13/2017	72286	1809	PERKINS ROGER L	- K	14.45	3,00	\$43.35	1000		
1/17/2017	12386	1063	DUMP TRUCE-2016 MACK		104.81	3.00		20100		
Road Id - 0000	894 MCC	LAINA	VENUE							
Activity 5d 405	2 Brush &	Tree Cla	aring							
Road District	1-1		and a state of the second state of the				8-10-1 A.B.			
10126/2016	T2229	0827	BRYANT JERRY A	- 10 C	29.73	5.00	\$103.65			
10/26/2016	12229	0997	DUMP TRUCK-2008	1	47,19	5.00		\$210.95		
20/26/2616	12230	1042	BACKHOE-2015 CAT 400F		44.73	3.00	P.00.00	2108.00		
10/26/2016	12220	1468	DUTTON CLAUDE C		13.80	5.89	2400.06	81734.00		
10/26/2016	12228	1054	DUMP TRUCK-2018 MACK	1	104.81	2.00		4014.00		
10/26/2016	71220	1809	PERSON ROUTER L	1.1	104.45	3,00	972.23	1004.00		
19/26/2016	12239	1065	DOMP THUCK -2016 MACK	- A1	194.81	3.00		\$254.03		
Hoad Id - 0020	MIA NICI	DOLS IN	MD							
Activity 14 -40	G Brunh &	True Cie	aring							
Road District		- mini	MANY PLANTS IN	4.0	12.36	4.00	Bell Str.			
10/06/2016		20	1012000010		14.00					
PA	NGE 15 UF	∠∪				EI(11-CI⊒CI¥	

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	DJ 10	- M.	Description	Rate M	Bate	Units	Emp Cost	Equ Cost	Mat Cost	Can Cast
Project ld -28-814	-IBOW M	UNTERA	NCE-MOW, TREE TRIMMING	s						
Noted 1.6 - 00200	814 NICE	OLS RO	IAD .							
Activity 33 402	Bresh &	Tree Cas	ring							
Road District	-			2.22	1000					
11/3/2016	72230	1005	TRACTOR-2009 RMIN DEER	5 F.	27.44	5.00	01553	\$137.20		
15/3/2016	722.50	2132	BEFF WALTER B	1 A A	12.06	5,00	\$68.30			
15/0/2016	72230	0815	PICKUP	1	18.07	5.00		\$90.35		
12/14/2016	72261	2531	MAYS RMMY R	1 I.	12.36	2.50	\$38.99			
12/14/2016	72268	1055	TRACTOR-2009 JOHN DEER	1	27,44	2.50		\$68.60		
12/14/2016	72261	2532	HEFF WALTER B	1.1	12.06	2.50	33815			
12/14/2016	72261	0903	PICKUP	E	18.07	2.50		\$45.18		
Road Id - 0021	26-; OLD	GALLA	NT BOAD							
Activity 14 (402	Brech &	Tree Clea	erine							
Read District	4									
10/24/2014	12210	- 2434	MAYS IMMY R	1.12	12.36	5.00	\$61.88			
10010010	000110	1005	TRACTOR, NOR KNEW PREE		22.44	5.00	2000	\$137.20		
10000000	10000	1.401	NAR INMER	- 22 -	15.76	5.00	\$26.30	10.57/3		
10/25/2010	74219	1000	PLAL PENES	- 10	10.00	6.00	410.00	1000.11		
10/25/2016	12219	090.5	PR.NOP	- 10	12.01	5.00	643 88	410.00		
10/21/2010	72221	2591	MATS JMMT R	1.1	52.70	3,000	201.00	4-14.55		
10/27/2016	72223	1403	TRACTOR-2009 JOHN DEER		27.44	5.00		2121.20		
10/27/2016	73221	1493	NAIL JAMES	- E.	15.26	5.00	256.30	and an		
10/27/2016	72221	.0933	PICKUP		18.07	5.00	and the second	200.15		
11/1/2016	72228	,2101	MAYS JIMMY B	- B.S.	12.36	5.00	201.80			
15/8/2016	72228	1005	TRACTOR-2009 JOHN DEER	8 B.S.	37.44	5,00		\$137.20		
10/1/3016	32228	2532	HURF WALTER B	1.5	12.06	5.00	\$60.30			
11/12/04/6	72228	2933	PICICUP	- E.	88.07	3.00		\$90.35		
Read 1d - 0025	49 c. OWL	SHOLL	OW ROAD							
Activity 12 403	Fresh &	Tree Clea	ering							
Road District	-2		- Shencherry Hour							
12/20/2016	72366	2536	CARROLL MARCUS	1	13.64	3.00	\$40.92			
13/20/2016	71266	8997	DUMP TRUCK 2008	1	47.19	3.00		\$141.57		
13/36/2814	22266	1041	BACKHOE-2015 CAT 430F	1.0	61.73	3.00		\$185.10		
13/30/2014	72366	1809	PEREINS ROOFE L	10	14.45	3.00	\$43.35			
13/06/2014	37344	1004	DEDUCT TRUCK OFFIC MACK	1.1	104.81	1.00		\$314.40		
12/2010/00/05	15166	3616	CIONTES STEA	1.1	14.99	1.00	\$45.77			
12/20/20/20	12200	1000	PAILOR TRUCK _DI AT DED	- 21	#1.35	1.05		\$210.08		
Design and the second	THE READS	NET BOOK	DUNE HADDERSTRATE		10.00			Provide		
Head 14 - 1921	ALC PAR	ALL DUAL								
Activity 16 402	Drash &	True Can	erong.							
Road District	-4				12.24	1.04	# 1 1 A			
13/19/2016	1229.5	2539	MAYS JIMMY R	C 51	12.30	3,00	231.08			
12/19/2016	72265	1435	TRACTOR-2009 JOEPS DEEX		27,44	3.00		\$82.32		
12/19/2014	72285	2532	HUFF WALTER D	1	12.06	3.00	234.18			
13/19/2016	72365	0033	PICKUP	1	18.07	3.00	26122.0	\$54.21		
13/19/2016	72265	1524	KUHN RICHARD A	1	21.89	3.00	363.57	0.32.53		
12/19/2016	32365	1055	PICKUP-3612 FORD F158	1.	18.59	3.00		\$15,77		
13/20/2016	72266	2532	HUFF WALTER B	1	12.06	5.00	\$68.30			
12/29/3016	12366	0953	PICKUP	1	18.07	5.00		\$90.35		
13/36/3016	72266	2591	MAYS IMMY R	1.1	12.56	5.00	\$63.80			
12/20/2016	72266	1835	TRACTOR-2009 JOHN DEER	1	27.44	5.00		\$137,28		
Road 1d - 0023	08. RAN	DALL R	OAD							
Activity 54, 485	Brush &	Tree Chr.	arian							
Read District										
INTERNAL CONTRACT	72214	2111	MAYS INDIX E		12.14	5.00	\$51.00			
INTERNAL CONTRACTOR	10110	1005	TEACTOR, 2008 MADA DRIVE		22.64	5.00	10000	\$137.38		
Department of	100.00	1404	NAM WARREN	1.1	15.24	5.00	326.60			
0020201016	72217	1000	PROFESSION AND A STREET	÷.	10.00	5,00	10.00	500.15		
Burnet La Altan	12. 11. 11	0005	CAD		10.01					
Hourd 10 - 0023	LOS RAT	TORD R								
Activity 54 400	i Bresh &	THE CR	arting							
Road District	#									

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1

Etowah County Road Department

Job Cost Selective Report from 4/1/2016 to 3/31/2017

Proper La - Serie A True ConvergenceAnomy 14 - 491. Series A True ConvergenceBoad Datatrits -11/02166722322331. MAYS. SIMMY R112345.00663.3011/02166722322322. ILLIPI VIALTURE D113.00500.3011/02166722322322. ILLIPI VIALTURE D113.00500.3011/02166722322322. ILLIPI VIALTURE D113.00500.3011/02166722322323. ILLIPI VIALTURE D112.542.0054.47Information of the Series IRead Datatrits -Information of the Series IRead Datatrits -Information of the Series IRead Datatrits -Information of the Series IInformation of the Series I<	Date	0.014	M	Description	Rate M	Rate	Units	Emp-Cost	Equ Cost	Mat Cast Cas Cast
Bask Davids - 002124 - BASTORNE PROVAD Achemisk J. 402 - Break & Tere Consing Bask Davids - 4 11/12/06 0 7223 0105 TRACTOR-0009 X010 DERK 1 72.44 5.00 563.78 11/12/06 7223 0105 TRACTOR-0009 X010 DERK 1 72.44 5.00 563.78 11/12/06 7223 0105 TRACTOR-0009 X010 DERK 1 72.44 5.00 563.78 11/12/06 7223 0105 TRACTOR-0009 X010 DERK 1 10.75 5.00 563.78 11/12/06 7223 0105 TRACTOR-0009 X010 DERK 1 10.75 5.00 584.72 11/12/06 72215 010 TRACTOR-0009 X010 DERK 1 10.75 5.00 584.72 11/02/000 7215 010 TRACTOR-0009 X010 DERK 1 10.55 2.00 584.72 11/02/000 7215 010 TRACTOR-0009 X010 DERK 1 10.55 2.00 584.72 11/02/000 7215 010 TRACTOR-0009 X010 DERK 1 10.55 2.00 584.72 11/02/000 7215 010 TRACTOR-0009 X010 DERK 1 10.55 2.00 584.72 11/02/000 7215 010 TRACTOR-0009 X010 DERK 1 10.56 2.00 582.74 11/02/000 7215 010 TRACTOR-0009 X010 DERK 1 10.56 2.00 582.74 11/02/000 7215 010 TRACTOR-0009 X010 DERK 1 10.75 4.00 582.74 11/02/000 7224 210 TRACTOR-0009 X010 DERK 1 12.36 10.09 582.74 11/02/000 7224 201 TRACTOR-0009 X010 DERK 1 12.74 4.00 582.74 11/02/001 7224 201 TRACTOR-0009 X010 DERK 1 12.74 4.00 582.74 11/02/001 7224 201 TRACTOR-0009 X010 DERK 1 12.74 4.00 582.74 11/02/001 7224 201 TRACTOR-0009 X010 DERK 1 12.74 4.00 582.74 11/02/001 7224 100 TRACTOR-0009 X010 DERK 1 12.74 4.00 582.74 11/02/001 7224 100 TRACTOR-0009 X010 DERK 1 12.74 4.00 582.74 11/02/001 7224 100 TRACTOR-0009 X010 DERK 1 12.74 4.00 582.74 11/02/001 7224 100 TRACTOR-0009 X010 DERK 1 12.74 4.00 582.74 11/02/001 7224 100 TRACTOR-0009 X010 DERK 1 12.74 4.00 582.74 11/02/001 7225 100 TRACTOR-0009 X010 DERK 1 12.74 4.00 582.74 11/02/001 7225 100 TRACTOR-0009 X010 DERK 1 12.74 4.00 582.74 11/02/001 7225 100 TRACTOR-0009 X010 DERK 1 12.74 4.00 582.74 11/02/001 7226 100 TRACTOR-0009 X010 DERK 1 12.74 4.00 582.74 11/02/001 7226 100 TRACTOR-0009 X 1 12.74 4.00 582.74 11/02/001 7226 100 TRACTO	Project ld -28-614	EROW M	UNTEN	INCE-MOW, THEE TRIMMIN	G					
Automatical and the set of the	Read Ed - 0023	2< BAY	FORD R	OAD						
IATOBIO ALTRI	Activity Ed. 403	Brush &	Tree Clea	aring						
147.0366 72233 2331 MAYS SAMAY R 1 12.36 500 961.00 157.0366 72233 2322 HER WALTER 0 1 12.06 500 560.30 Hand A - 002303- HER WALTER 0 1 12.06 500 560.30 Hand A - 002303- HER WALTER 0 1 12.06 500 560.30 Hand A - 002303- HER WALTER 0 1 12.06 2.00 584.37 10070005 72155 2015 HER WALTER 0 1 12.56 2.00 584.38 10070005 72155 1004 HALS STANKYR 1 12.56 2.00 583.36 10070005 72151 1004 HALS STANKYR 1 12.46 2.00 583.36 10070005 72152 2016 MAXS STANKYR 1 12.46 100 512.06 10070056 72242 2015 HER WALTER 0 1 12.46 100 510.70 10175056 72242 2010	Boad District	-4						1222		
Istrigate 72233 1003 TRACTOR-2009 X(R) IRGIR 1 27.44 5.00 5.00 5.00 Istrigate 72233 2233 1015 PICKUP 1 10.07 5.00 500.30 Antibing Id -412 Funda Tree Cheering Istrigate 5.00 524.37 Istrigate - 1 1.25 2.00 524.37 Istrigate - 1 1.25 2.00 524.38 Istrigate - 1 1.55 2.00 524.38 Istrigate - 1 1.25 2.00 524.38 Istrigate - 1 1.26 1.00 512.34 Istrigate - 1 1.26 1.00 512.34 Istrigate 1 1.26 1.00 512.34 1.00 Istrigate 1 1.26 1.00 512.36 1.00 512.46 Istrigate 1.201.50 1.201.50 1.201.50 510.35 1.00 <t< td=""><td>11/2/2016</td><td>71233</td><td>2531</td><td>MAYS RMMY R</td><td></td><td>12.36</td><td>5.00</td><td>\$61,80</td><td>1000</td><td></td></t<>	11/2/2016	71233	2531	MAYS RMMY R		12.36	5.00	\$61,80	1000	
11/102866 72233 2322 10.07 90.01 90.03 Base B - 002203 - BLOCK HEREGE BOAD 10.07 5.00 90.35 Autoling H - 402203 - BLOCK HEREGE BOAD 10.72.56 2.00 \$24.72 10070000 4 7215 2015 10.07 5.00 \$24.83 10070000 4 7215 2015 10.07 5.04 2.00 \$24.84 10070000 4 7215 0014 PACLIP 1 15.40 2.00 \$24.84 10070000 4 7215 0014 PACLIP 1 15.40 2.00 \$24.84 10070000 4 7215 0014 PACLIP 1 15.40 2.00 \$23.36 Basel Li - 0022005 4 7215 0014 PACLIP 1 12.46 1009 \$12.14 1201502014 7215 2015 10.07.099 \$12.14 10.09 \$12.14 1201502014 7215 2015 10.07.099 \$12.14 10.09 \$12.14 1201502014 7215 2015 10.07.099 \$10.12 \$10.12 \$10.10 \$12.14	11/7/2016	72233	1005	TRACTOR-2009 JOHN DEER	5 E.	27.44	5.00		\$137.39	
Lin 2016 TAUE I Roof R Auto SPR-35 Autory H 442 Funda Tiro Clearing Basel Bio-Micro R SPR-35 Basel Bio-Micro H I 12.56 2.00 SPR-35 10070004 72215 2015 MART SIMA TIRO AUXOVER I 12.56 2.00 SPR-35 10070004 72215 MART NAMES I 15.60 3.00 SPR-36 10070004 72215 MART NAMES I 16.00 SPR-36 SPR-36 10070016 72115 MART NAMES I 16.00 SPR-36 SPR-36 10150016 72212 SPR NAMER NAMES I 12.36 10.00 SPR-36 121550016 72212 SPR NAMER NAMES I 12.36 10.00 SPR-36 121550016 72214 MART NAMER N I 12.36 10.00 SPR-36 121750016 72215 SPR NAMER N I 12.36 10.00 SPR-36 121750016 72215<	13/7/2906	72235	,2532	HUST WALTER B	1	12.06	5.00	\$60.30		
Basel Barelet - 982293 - BLOCK BREINGER BOUND Antifoly Id -412: Frends A True Cheming Basel Barelet - 922295 Intel NULL ANALYS BUNATY R I 1236 2.00 S24.77 100202004 72115 2015 TMACTOR-MCVMER I 2744 2.00 S24.78 100202014 7215 2015 Intel NULL ANALYS I 154.00 2.00 S24.78 100202014 7215 Intel NULL ANALYS I 154.00 2.00 S24.78 100202014 7215 Intel NULL ANALYS I 154.00 2.00 S24.78 Basel Barelet - 922245 Intel NULL ANALYS I 154.00 2.00 S24.78 102552014 7215 2015 INTEL S24.00 S24.78 102752014 7215 2015 INTEL S24.00 S44.54 102752014 7226 INTEL S24.00 S44.54 102752014 7226 INTEL S24.00 S44.54 102752014 7226 INTEL S24.00 S44.54 102752014 7226 INTEL S24.00 S44.54 10112014 7226 INTEL S24.000S INTEL S25.00 S54.54 10112014 7226 INTEL S24.000S INTEL S25.00 S54.54 10112014 7226 INTEL S24.000S INTEL S25.00 S54.54 10112014 7226 INTEL S24.000S INTEL S25.000S INTEL S	15/3(2016	72230	0815	PICKUP	- F	58.07	5.00		\$90.35	
Action of 4 22 Break A Tric Closing Bood Basington	Boad Id - 0023	834 ROC	K BRIDO	JE ROAD						
Note of the second seco	Activity M 492	Brush &	Tree Close	oring						
IPO20206 72215 2010 MAYS BANAYE I 22.54 2.00 554.85 IPO20206 72215 1081 NAX, LAARES I 15.56 3.00 58.35 IPO20206 72215 1081 NAX, LAARES I 15.56 3.00 58.35 Read Bell PRCKUP I 15.26 3.00 58.35 Read Bell PrCKUP I 12.36 10.00 5123.86 Read Bell PrCKUP I 12.36 10.00 5123.60 123552056 72242 2522 10.017 10.126 10.00 5120.60 123552056 72242 2522 10.017 1 12.26 10.00 5120.60 123552056 7224 2505 10.017 1 12.26 10.00 5120.40 12352056 7223 10.017 2009.600 12.26 1.00 548.34 123752046 7225 2534 KUIP PALITER D 1 12.26 1.00	Road District	-A.								
HEROLOGIA TELES 1003 TELECTOR 1 2.244 2.00 554.30 HOROROGIA 72215 1004 PALATION 510.30 510.30 HOROROGIA 72215 1004 PALATION 510.30 510.30 Antriony IA 420 Booke A True Cherring 510.30 512.40 Hand Davie ROLES 510.31 HALTORO JA 512.40 512.40 512.40 1215.500.16 722.42 231 MAYS BIAMY R 1 12.36 10.09 512.40 1215.500.16 722.42 231 MAYS BIAMY R 1 12.46 10.09 512.40 1215.500.16 722.42 2312 MAYS BIAMY R 1 12.46 10.09 512.40 1215.500.16 722.45 10.03 FTCKUP 1 18.47 4.00 542.44 1219.400.16 722.55 10.35 FTCKUP 1 18.49 4.00 572.38 1219.400.16 722.55 10.35 FTCKUP	10/20/2016	72115	2101	MAYS IMMY R	1,0	12.56	2.00	\$24.72	1.000	
HO202005 T2215 Bell NARE_JAMES I 15.60 2.00 \$32.36 Based b4 +002335 SAMERES CHAPPER INOAD 500 \$32.36 Antholy b4 T2215 Based Tarto Charper 1 12.6 10.09 \$32.36 Based District - 4 T220 2035 TBACTOR-2009 ACREW THER 1 12.36 10.09 \$32.06 120152036 T2242 2035 TBACTOR-2009 ACREW THER 1 12.36 10.09 \$32.06 120152036 T2242 2035 TBACTOR-2009 ACREW THER 1 12.36 10.09 \$32.06 120152036 T2245 2035 TBACTOR-2009 ACREW THER 1 12.36 408 \$540.37 120152036 T2245 1035 TBACTOR-2009 ACREW THER 1 12.36 408 \$542.48 120152036 T2355 1035 TBACTOR-2009 ACREW THER 1 12.36 408 \$547.56 120152016 T2245 5338 KURVINER THER DIT 1	10/20/2014	72213	1005	TRACTOR-MOWER		37.44	2.00		\$54.88	
Hoo20206 72213 Boli PECULP I 56.00 20.00 332.36 Antibip L4 422 Read Barrier I I 1.6.00 STELL STELL STELL Band District I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I I <thi< th=""> I I <thi<< td=""><td>10/20/2016</td><td>32215</td><td>1491</td><td>NAIL JAMES</td><td>- U.S.</td><td>15.26</td><td>2.00</td><td>\$30.12</td><td></td><td></td></thi<<></thi<>	10/20/2016	32215	1491	NAIL JAMES	- U.S.	15.26	2.00	\$30.12		
Based Discrite - 4 121/52/016 122/52 2011 Match Discrite - 4 121/52/016 72242 2013 TUA/TOB -0009 KORN THER 1 72.36 100.00 527.46 121/52/016 72242 2013 TUA/TOB -0009 KORN THER 1 72.46 10.00 527.46 121/52/016 72242 2013 TUA/TOB -0009 KORN THER 1 72.46 10.00 5100.70 121/52/016 72245 2031 MAYS JIMAFY R 1 72.46 4.00 572.28 121/52/016 72245 2031 TAA/TOB -2009 KORD BEER 1 72.66 4.00 572.28 121/52/016 72245 1033 TAA/TOB -2009 KORD FIS9 1 12.06 4.00 572.28 121/52/016 72245 1034 KUININ RCIDARD A 1 12.09 4.00 572.28 121/52/016 7225 KUININ RCIDARD A 1 12.00 541.30 121/52/016 7228 7231 MAY	10/20/2016	72213	1900	PICKUP	- U.S.	16.40	2.00		\$32.86	
Autor is the Clearing Back Deriver -I I I.3.5 I.3.15 I.3.15 <thi.3.15< th=""> I.3.15 <thi.3.15< <="" td=""><td>Boad 54 - 0024</td><td>354 SAM</td><td>URLSCI</td><td>HAPEL ROAD</td><td></td><td></td><td></td><td></td><td></td><td></td></thi.3.15<></thi.3.15<>	Boad 54 - 0024	354 SAM	URLSCI	HAPEL ROAD						
New Desire -4 12/15/2016 7234/2 2531 MAYE RMMY R 1 12.0 500 5724.0 12/15/2016 7234/2 2532 HUFF WALTER B 1 12.06 10.00 5727.00 12/15/2016 7234/2 2532 HUFF WALTER B 1 12.06 10.00 5727.00 12/15/2016 7228/2 2532 HUFF WALTER B 1 12.06 10.00 5727.00 12/15/2016 7228/2 25315 MAYE SMMY R 1 12.06 4.00 5872.00 12/15/2016 7228/2 1035 REXUP 1 12.06 4.00 5872.00 12/15/2016 7228/2 1035 REXUP 1 12.06 4.00 5872.00 12/15/2016 7228/2 1035 REXUP 1 12.06 4.00 587.56 12/15/2016 7228/2 1035 REXUP 1 12.16 5.00 581.80 12/15/2016 7228/2 1035 REXUPR<	Activity 1d 402	Breeb &	Tree Clea	uring						
1213/2016 72142 2511 MAYE RMMY R 1 12.346 10.00 5272.40 1213/2016 72262 2512 HUFF WALTER B 1 12.66 10.00 5127.40 1213/2016 72262 2512 HUFF WALTER B 1 12.66 10.00 5127.40 1213/2016 72264 2013 MAYE RMALTER B 1 12.66 10.00 5127.40 1213/2016 72264 2013 PCKUP 1 18.87 10.00 5107.76 12019/2016 72264 0013 PCKUP 1 18.89 4.00 5457.46 12019/2016 72265 0013 PCKUP 1 18.99 4.00 5457.46 12019/2016 72265 0015 PCKUP 1 18.99 4.00 547.46 12019/2016 72265 0013 PCKUP 1 12.46 4.00 547.46 12019/2016 72265 0013 PCKUP 1 12.46 4.00 547.46 12019/2016 72264 10204 A.00 547.46	Road District	-4								
1213/2016 1223/2 1015 TRACTOR-JOOP ACRES DEEL 1 12.4 10.00 5127.60 12013/2014 1223/5 2011 MAYS JIMAYY R 1 18.07 10.00 5127.60 12013/2014 1223/5 2015 MAYS JIMAYY R 1 18.07 10.00 548.44 12019/2014 1223/5 12015 1203 MAYS JIMAYY R 1 12.05 4.00 548.74 12019/2014 1223/5 12014 MAYS JIMAYY R 1 12.05 4.00 548.74 12019/2014 1223/5 1534 KUBIN BICHARD A 1 23.89 4.00 547.56 12019/2014 1223/5 1534 KUBIN BICHARD A 1 23.89 4.00 547.56 12019/2014 1223/5 1534 KUBIN BICHARD A 1 12.36 5.00 548.36 12019/2014 1228/7 1035 TRACTOR-MOYRE 1 12.36 5.00 548.30 10013/2016 72207 1035 <td< td=""><td>12/15/2016</td><td>72362</td><td>2531</td><td>MAYS IMMY R</td><td>1</td><td>12.36</td><td>10.00</td><td>\$123.60</td><td>1000</td><td></td></td<>	12/15/2016	72362	2531	MAYS IMMY R	1	12.36	10.00	\$123.60	1000	
1201X0016 1201X2 2012 PROF 1 12.06 10.00 S120.00 1301X0014 12265 2531 MAYS JIMMY R 1 12.35 4.00 S48.70 120182014 12265 2531 MAYS JIMMY R 1 12.36 4.00 S48.74 120182014 72265 9033 PICKUP 1 12.06 4.00 S48.74 120182014 72265 9033 PICKUP 1 18.07 4.00 547.36 120182014 72265 1015 PICKUP-X012 FORD F159 1 18.99 4.00 547.36 120182014 72207 2531 MAYS SIMMY R 1 12.36 5.00 541.80 100112014 72207 2531 MAYS SIMMY R 1 12.36 5.00 5181.10 100120146 72207 1047 MAYS SIMMY R 1 12.36 5.00 5181.10 100120146 72208 1045 STACTOR-MOWER 1 12.36 100	12/15/2016	72262	1015	TRACTOR-2009 JOHN DEER	- E.	27,44	10.00		\$274.40	
TOTATION TOTAL TOTAL PECKUP I HAPT HOUD State 70 131970014 72264 2014 ACCOUNT I 12.06 4.00 548.74 121972014 72264 1003 TEACTOR-2009 SCHN DEER I 12.06 4.00 548.74 121972014 72265 1003 PECKUP I 18.09 4.00 587.76 121972014 72265 1035 PECKUP I 18.09 4.00 587.76 121972014 72265 1035 PECKUP I 18.09 4.00 587.56 121972014 72267 2518 MAYS BINMY R I 12.36 5.00 581.80 10112016 72207 2518 MAYS BINMY R I 12.36 5.00 581.80 5137.20 10112016 72207 1017 1001 5228 500 5137.20 5137.20 10112016 72207 1018 NARL ANAES I 12.36 12.00	12/15/2016	72362	2532	HOFF WALTER D	1. C	12.06	10.00	\$120.60	2.20	
L219/2016 T2285 2311 MAYS JIMMY R I 12.35 4.40 548.44 1219/2014 T2185 2532 HDFF WALTER D I 12.06 4.00 548.54 1219/2014 T2185 2532 HDFF WALTER D I 12.06 4.00 547.54 1219/2016 T2285 2015 PICKUP-OLD PORD PIESD I 18.99 4.00 572.38 1219/2016 T2285 2015 PICKUP-OLD PORD PIESD I 18.99 4.00 572.38 1219/2016 T2285 2015 PICKUP-OLD PORD PIESD I 18.99 4.00 572.38 Read Norrier -J JULIANDAL I 12.36 5.00 581.40 517.20 10112016 T2287 2311 MAYS JIMMY R I 12.36 5.00 581.10 10112016 T2287 1281 MAYS JIMMY R I 12.36 5.00 581.10 10112016 T2280 1815 MAXETORMOWER I 23.4	12/15/2016	72262	4903	PICKUP	1	18.07	10.00		\$180.70	
1219/0016 12245 2025 1017/0016 12245 2021 1017/0016 12245 2021 1017/0016 12245 2021 1017/0016 12245 2021 1017/0016 12245 2021 1017/0016 12245 2021 1017/0016 12245 1021 1017/0016 12245 1021 1017/0016 12245 1017/0016 12245 1017/0016 12245 1017/0016 12245 1017/0016 12245 1017/0016 12245 1017/0016 12247 1017/0016 12247 1017/0016 12247 1017/0016 12247 1017/0016 12247 1017/0016 12247 1017/0016 12247 1017/0016 12247 1017/0016 12247 1017/0016 12247 1017/0016 12247 1017/0016 12247 1017/0016 12247 1017/0016 12247 1017/0016 12247 1017/0016 12247 1017/0016 12247 1017/0016 12247 1017/0016 12247 1017/0016 12247 1017/0016 12247 1017/0016 <t< td=""><td>13/19/2016</td><td>72365</td><td>2534</td><td>MAYS JIMMY IL</td><td>. E.</td><td>12.36</td><td>4.00</td><td>\$49.44</td><td>12000</td><td></td></t<>	13/19/2016	72365	2534	MAYS JIMMY IL	. E.	12.36	4.00	\$49.44	12000	
LOTRODIA T2015 2021 HURF WALLERE 0 I L2.06 4.00 545.4 L21920016 T2055 9033 PEKLIP I ILE 4.00 547.28 L21920016 T2055 1055 PEKLIP-0012 FORD F190 I ILE 4.00 547.28 Read Meinerte J T2017 State State State State Betail Meinerte J T2017 State NAYS JIMMY R I IL2.36 5.00 State Betail Meinerte J TACTOR-MOWER I 12.36 5.00 State State Betail Meinerte J TACACRE-MANDRER I 12.36 5.00 State State Betail Meinerte J TACACRE-MANDRER I 12.36 5.00 State State Betail Meinerte J TACA State	12/19/2014	72268	103.5	TRACTOR-2009 JOHN DEER	- E.	27.44	4.00	1000	\$109.76	
L219R20016 T22365 POSA PECKUP I IAUP 4.00 \$\$72.36 1219R2016 T22365 1554 KUIN BECHARD A 1 121.89 4.00 \$\$87.56 Based Devices A 10055 PECKUP-2012 FORD 7139 1 12.99 6.00 \$\$75.56 Based Devices - J 1 12.39 6.00 \$\$81.30 \$\$137.20 101120016 T2207 2531 MAYS JOMAY R 1 12.36 5.00 \$\$137.20 101120016 T2207 1011 01041 T2016 A 5000 \$\$137.20 \$131 10112016 T2207 1011 01041 T2016 A 5207 \$141 \$140 10112016 T2208 1035 TRACTORMOWER 1 12.36 \$1200 \$148.32 10112016 T2208 1035 TRACTORMOWER 1 12.36 \$1200 \$148.32 10112016 T2208 1035 TRACTORMOWER 1 12.36 \$1200 \$144.32 101120	12/19/2016	T2265	2532	HUFF WALTER B	- E	12.96	4.00	548.24		
L219/L0016 T2216 USA KURENER/LIAND A I 21.09 4.00 \$472.54 T219/2016 T2205 PORD F PORD F 1 18.99 4.00 \$374.36 Antrivity 16 442 Brack A Tree Classing 18.90 4.00 \$374.36 Bail District -J T 1 12.36 5.00 \$481.30 \$137.20 10112016 T2207 1335 TRACTOR-MOWER 1 12.36 5.00 \$381.30 10112016 T2207 1491 NAALS, JAMES 1 13.42 5.00 \$355.0 \$131.10 10112016 T2207 1491 NAAL, TCRS-MOWER 1 12.44 12.00 \$144.32 10112016 T2208 1435 TRACTOR-MOWER 1 15.26 4.00 \$132.82 10112016 T2208 1491 NAAL, LAMES 1 15.26 4.00 \$144.88 10112016 72209 1491 NAAL, LAMES 1 15.26 <td>12/19/2014</td> <td>12365</td> <td>- 6933</td> <td>PICKUP</td> <td>- E C -</td> <td>18.07</td> <td>4.00</td> <td></td> <td>\$72.28</td> <td></td>	12/19/2014	12365	- 6933	PICKUP	- E C -	18.07	4.00		\$72.28	
TUTNED16 TODAS DOLS PECRUP-2012 FORD P159 I IR.99 4.00 374.36 Benefile - 902477: SAND VALLEV ROAD Attivity 16 482 Break & Tree Chaning Bund District - 3 I I.2.36 5.00 384.30 10/11/2016 T2207 2531 MAYS JIMMY R I 1.2.36 5.00 351.7.20 10/11/2016 T2207 1001 NALE, JAASIS I 1.3.52 5.00 355.00 10/11/2016 T2207 1001 NALE, JAASIS I 1.3.52 5.00 \$137.20 10/11/2016 T2208 1001 101.4 1.0.00 \$144.32 10/12/2016 T2208 1001 NALE, JAASIS I 1.5.26 4.00 \$1329.28 10/12/2016 T2208 1491 NALE, JAASIS I 1.5.26 4.00 \$144.30 10/12/2016 T2209 1491 NALE, JAASIS I 1.5.26 4.00 \$144.48 10/13/2016 T2209 1491 NALE, JAASIS	12/19/2016	72365	1.524	KUHN RICHARD A	(1)	21.89	8.00	\$87.56	1000	
Read M - 00247:: SAND VALLEY BOAD Activity bid 402 Break & Tree Chaming Boad Despiner -J Statume 10112016 72287 2538 MAYS JDMMY R 1 12.36 5.00 \$88.80 10112016 72287 1003 TRACTOR-MCWIR 1 27.44 5.00 \$75.90 10112016 72207 1003 DUMP TRUCK-FLAT CREW 1 35.22 5.00 \$181.10 10112016 72208 1003 TRACTOR-MCWER 1 27.44 12.00 \$129.28 10112016 72208 1013 DUMP TRUCK-FLAT CREW 1 86.23 10012016 \$128.91 10112016 72208 1041 NAB_LIAMES 1 15.46 100 \$128.43 10112016 72208 1491 NAB_LIAMES 1 15.42 4.00 \$144.81 10112016 72209 1491 NAB_LIAMES 2 2.238 2.00 \$144.81 101130216 72209 1633 TRACTOR	12/19/2016	72365	3085	PERUP-2012 FORD F159	- E.S.	18.59	4.00		\$74.36	
Activity 16 442: Breach & Tree Clearing Based Discript - J 10112016 72307 2531 MAYS JIMMY R 1 12.0 381.00 10112016 72307 3531 MAYS JIMMY R 1 12.0 5131.00 10112016 72209 10112010/CCL-FLAT CREW 1 12.3 5131.10 101120116 72208 1518 MAYS JIMMY R 1 12.3 5131.10 101120116 72208 1618 TEACTOR-MOWER 1 15.3 5134.42 101120116 72209 1614 NALL JAMES 1 52.5 60132016 7209 1621 1622 2.0 544.428 10132016 7209 1621	Read Id - 9824	37+ 5AN	DVALU	EV ROAD						
Based Diservier -J High L2016 72207 2534 MAYS JIMMY R I 12.36 5.00 584.30 1611 L2016 72207 1031 TRACTOR -MCWER I 12.36 5.00 5137.30 1611 L2016 72207 1041 DULMP TRUCK -FLAT CREW I 36.22 5.00 5141.10 1611 L2016 72208 1033 TRACTOR -MCWER I 25.36 5145.32 1611 L2016 72208 1033 TRACTOR -MCWER I 25.46 500 5145.32 1611 L2016 72208 1491 NAE, LAMEIS I 15.26 16.00 5145.32 1611 L2016 72208 1491 NAE, LAMEIS I 15.26 4.00 543.46 1011 L2016 72209 1491 NAE, LAMEIS I 15.26 4.00 544.49 1011 L2016 72209 1491 NAE, LAMEIS I 25.24 4.00 544.49 1011 L2016 72209 1491 NAE, LAMEIS	Activity 1d 480	Bresh &	Tree Clea	uring						
HETLICOTIG T2207 2531 MAYS JUMMY R I 1.3.66 500 341.00 16112016 72207 1491 NAL, JAARS I 12.36 5.00 \$137.20 16112016 72207 1491 NAL, JAARS I 12.36 5.00 \$137.20 16112016 72208 2533 SAAYS JUMMY R I 12.36 12.00 \$148.20 16112016 72208 1633 DIAP TRUCK-FLAT CREW I 25.36 \$137.20 16112016 72208 1633 DUMP TRUCK-FLAT CREW I 25.36 \$148.32 10112016 72208 1491 NAL JAMES I 15.36 4.00 \$61.64 10113016 72209 1491 NAL JAMES I 15.26 4.00 \$61.64 10113016 72209 1491 NAL JAMES I 15.26 4.00 \$144.38 101130216 72209 1491 NAL JAMES I 15.42 4.00 \$172.44 </td <td>Road District</td> <td>-1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Road District	-1								
161140316 T2207 9035 TRACTOR-ARYWER I 27.44 5.00 \$132.30 161120316 72207 9035 OUMP TRUCK-FLAT CREW I 35.23 \$153.30 161120316 72207 9035 OUMP TRUCK-FLAT CREW I 36.22 5.09 \$131.10 19120316 72208 1835 TRACTOR-ARYWER I 23.46 12.00 \$132.32 19120316 72208 1895 TRACTOR-ARYWER I 23.46 12.00 \$133.12 19120316 72208 1895 TRACTOR-FLATCREW I 36.32 1001.329.6 \$133.12 19130316 72208 1895 DUMP TRUCK-FLAT CREW I 36.22 409 \$144.38 19130316 72209 1895 DUMP TRUCK-FLAT CREW I 36.22 409 \$144.38 191320316 72209 1813 DUMP TRUCK-FLAT CREW I 36.42 \$144.38 191320316 72209 2513 MAKYS ROMY R I 17.44	10/11/2016	72207	2534	MAYS JIMMY R	1	12.36	5,00	361.80		
16114/0116 72207 1490 NAE, LAMES 1 15.28 5.00 375.00 16112/0116 72207 16014 0010P TRUCK-FLAT CREW 1 12.54 5.00 \$141.10 16112/0116 72208 1033 MAYS JEMENY R 1 12.54 12.00 \$148.10 16112/0116 72208 1633 TRACTOR-MOWER 1 27.44 12.00 \$148.12 16112/0116 72208 1643 DEMP TRUCK-FLAT CREW 1 15.38 12.00 \$163.12 16112/0116 72208 1491 NAELIAMES 1 15.38 12.00 \$164.48 16112/0116 72208 1491 NAELIAMES 2 22.38 2.00 \$144.38 16113/0116 72209 1491 NAELIAMES 2 2.212 2.00 \$144.38 16113/0116 72209 1613 TRACTOR-MOWER 1 24.40 \$172.44 16113/0216 72209 1613 TRACTOR-MOWER 1 24.40	16/11/2016	72307	1035	TRACTOR-MOWER	t	27,44	5.00		\$137.20	
Id01102016 T2207 H08 DUMP TRUCK-FLAT CREW I 36.32 5.00 \$181.10 Id01202016 T2208 H095 TRACTOR-MOWER I 12.34 12.00 \$141.02 Id01202016 T2208 H095 TRACTOR-MOWER I 17.44 12.00 \$133.12 Id01202016 T2208 H095 DUMP TRUCK-FLAT CREW I 16.52 12.00 \$434.42 Id01202016 T2208 H095 DUMP TRUCK-FLAT CREW I 16.52 \$40.00 \$40.44 Id01302016 T2209 H091 NAE LAMEIS I 15.26 4.00 \$40.40 Id01302016 T2209 H091 NAE LAMEIS I 15.22 2.00 \$44.40 \$101302016 T2209 181 DUMP TRUCK-FLAT CREW I 36.22 2.00 \$44.40 \$101302016 T2209 181 MAYS RMMY R 2 182.1 2.00 \$36.42 Id01302016 T2209 181 MAYS RMMY R 1 17.44	10/13/2016	72265	1491	NAE, JAMES	. K.	15.26	5.00	\$76.30		
H0120816 T2208 2538 MAYYS JUMYY R I 12.36 12.00 \$148.32 101120816 T2208 1003 TRACTOR-MOWER I 27.44 12.00 \$339.28 101120816 T2208 1001 TAACTOR-MOWER I 12.34 12.00 \$434.64 101120816 T2208 1491 MARL JAMES I 15.28 4.00 \$61.84 101130816 T2209 1491 MAL JAMES I 15.28 4.00 \$144.88 101130816 T2209 1491 MAL JAMES I 36.32 2.00 \$144.88 101130816 T2209 1491 MAL JAMES I 36.22 2.00 \$144.88 101130816 T2209 1813 TRACTOR-MOWER I 27.44 2.00 \$154.81 101130816 T2209 1813 TRACTOR-MOWER I 27.44 2.00 \$163.7 101130816 T2209 1613 TRACTOR-MOWER I 27.44	10/11/2016	72307	1028	DUMP TRUCKPLAT CREW	1. J. J.	36.22	5.00		\$181.10	
INT202016 T2208 INIS TRACTOR-MOWER I 27.44 12.00 \$329.28 INT202016 T2209 IA91 NAB, JAMES I 15.36 I2.00 \$183.12 INT202016 T2209 IA91 NAB, JAMES I 15.32 I2.00 \$618.54 INT302016 T2209 IA91 NAB, JAMES I 15.32 I2.00 \$618.54 INT302016 T2209 IA91 NAB, JAMES I 36.22 4.00 \$144.88 INT302016 T2209 IA91 NAB, JAMES I 36.22 2.00 \$44.40 INT302016 T2209 IA91 NAL, JAMES I 36.22 2.00 \$344.80 INT302016 T2209 IS13 TRACTOR-MOWER I 27.44 2.00 \$14.80 INT302016 T2209 IS13 MAYS INMAY R I 12.34 4.00 \$109.36 INT302016 T2209 IG13 TRACTOR-MOWER I 27.44	1612/2016	72208	2533	MAYS IMMY R	1	12.36	12,00	\$148.32		
10112/2016 72209 1491 NAIL LAMES 1 15.26 12.00 5183.12 10112/2016 72209 1491 NAIL LAMES 1 16.22 12.00 5434.64 10113/2016 72209 1491 NAIL LAMES 1 15.26 4.00 361.04 10113/2016 72209 1491 NAIL LAMES 2 22.10 2.00 5434.40 10113/2016 72209 1491 NAIL LAMES 2 22.12 2.00 544.40 10113/2016 72209 1491 NAIL LAMES 2 18.21 2.00 544.40 10113/2016 72209 1491 NAIL LAMES 2 18.21 2.00 544.40 10113/2016 72209 2511 MAYS JIMMY R 2 18.21 2.00 518.18 10113/2016 72209 1105 TRACTOR-MOWER 1 12.56 4.00 5109.36 10113/2016 72209 1105 TRACTOR-MOWER 1 27.44	10/12/2016	72208	1035	TRACTOR-MOWER	1	27,44	12.00		\$329.28	
10112/2016 T2208 1828 DUMP TRUCKFLAT CREW 1 16.22 12.00 \$534.64 10113/2016 72209 1491 NABL JANEIS 1 15.26 6.00 \$61.04 10113/2016 72209 1491 NABL JANEIS 1 35.22 4.00 \$144.88 10113/2016 72209 1491 NABL JANEIS 2 22.26 2.00 \$44.40 10113/2016 72209 1491 NABL JANEIS 2 18.21 2.00 \$172.44 10113/2016 72209 1813 TRACTORMOWER 1 12.36 4.00 \$164.40 10113/2016 72209 2514 MAYS JENDY R 1 12.36 4.00 \$169.76 10113/2016 72209 2514 MAYS JENDY R 1 12.36 4.00 \$169.76 10113/2016 72209 2514 MAYS JENDY R 1 12.744 4.00 \$109.76 10113/2016 72209 1613 TRACTOR-AUWER 1	10/12/2010	72208	1491	NAB, IAMES	1	15.26	12.00	\$183.12		
NOT 30946 72209 H91 NAE_JAMES 1 15.26 4.00 561.06 D013/2016 72209 1428 DCMP TRUCK-FLAT CRESF 1 36.22 4.00 \$144.38 1013/2016 72209 1491 NAE_JAMES 2 22.26 2.00 \$44.00 1013/2016 72209 1491 DUMP TRUCK-FLAT CRESF 1 36.22 2.00 \$172.44 1013/2016 72209 2511 MAYS JIMMY R 2 18.21 2.00 \$36.42 1013/2016 72209 2511 MAYS JIMMY R 1 12.36 4.00 \$109.36 1013/2016 72209 2511 MAYS JIMMY R 1 12.36 4.00 \$109.36 1013/2016 72209 1615 TRACTOR-MOWER 1 27.44 4.00 \$109.36 1013/2016 72209 1615 TRACTOR-MOWER 1 27.44 4.00 \$109.36 1013/2016 72212 2131 MAYS JIMMY R 2 18	10/12/2016	12208	1025	DUMP TRUCK-FLAT CREW	1	36.32	12,00		\$434.64	
10113/2016 72209 1023 DUMP TRUCE-FLAT CREW 1 36.22 4.00 \$144.88 10113/2016 72209 1491 NAL JAMES 2 22.35 2.00 \$44.40 10113/2016 72209 1621 DUMP TRUCE-FLAT CREW 1 36.22 2.00 \$172.44 10113/2016 72209 2531 MAYS RMMY R 2 18.21 2.00 \$34.42 10113/2016 72209 1835 TRACTOR-MOWER 1 27.44 2.00 \$34.42 10113/2016 72209 1835 TRACTOR-MOWER 1 27.44 2.00 \$34.80 10113/2016 72209 1835 TRACTOR-MOWER 1 27.44 4.60 \$109.76 Read Datelet -2 10113/2016 72212 1615 TRACTOR-MOWER 1 27.44 1.00 \$27.44 10113/2016 72212 1615 TRACTOR-MOWER 1 27.44 1.00 \$27.44 101172016 72212 <td< td=""><td>10/13/2016</td><td>72209</td><td>1491</td><td>NAIL JAMES</td><td>1</td><td>15.26</td><td>4.00</td><td>\$61.04</td><td></td><td></td></td<>	10/13/2016	72209	1491	NAIL JAMES	1	15.26	4.00	\$61.04		
10/13/2016 72209 1491 NAL JAMES 2 22.39 2.00 \$44.40 10/13/2016 72209 1828 DUMP TEUCK-FLAT CREW 1 36.22 2.00 \$72.44 10/13/2016 72209 2511 MAYS JIMMY R 2 18.21 2.00 \$36.42 10/13/2016 72209 2511 MAYS JIMMY R 1 17.44 2.00 \$16.42 10/13/2016 72209 2511 MAYS JIMMY R 1 17.36 4.00 \$109.36 10/13/2016 72209 1615 TRACTOR-MOWER 1 27.44 4.00 \$109.36 Read District -2 P0/172016 72212 2011 MAYS JIMMY R 2 18.21 1.00 \$18.21 10/172016 72212 2011 MAYS JIMMY R 2 18.21 1.00 \$109.36 10/172016 72212 2011 MAYS JIMMY R 2 18.21 1.00 \$27.44 10/172016 72212 1015	0013/2016	72209	1028	DUMP TRUCE-FLAT CREW	5 1 5	36.22	4.00		\$144.88	
10/13/2016 72209 1828 DUMP TRUCKPLAT CREW 1 36.22 2.00 \$77.44 10/13/2016 72209 2511 MAYS IRMMY R 2 U8.21 2.00 \$36.42 10/13/2016 72209 1813 TRACTOR-MOWER 1 27.44 2.60 \$34.48 10/13/2016 72209 2131 MAYS IRMMY R 1 17.56 4.60 \$49.44 10/13/2016 72209 1615 TRACTOR-MOWER 1 27.64 4.60 \$109.76 Read District -1 POINT2006 72212 2131 MAYS IRMMY R 2 18.21 1.00 \$118.21 Network & Trive Clearing Read District -1 10/17/2006 72212 1605 TRACTOR-MORER 1 27.44 1.00 \$27.44 10/17/2006 72212 1605 TRACTOR-MORER 1 27.44 1.00 \$27.44 10/17/2006 72212 1612 DUMP TRUCKPLAT CREW 1<	10/13/2016	72209	1491	NAB. JAMES	2	22,30	2.00	\$44.40		
10113/2016 72209 2511 MAYS IBMMY R 2 18.21 2.00 \$36.42 10113/2016 72209 1815 TRACTOR-MOWER 1 27.44 2.00 \$54.88 10113/2016 72209 2514 MAYS IBMMY R 1 12.36 4.00 \$49.44 10113/2016 72209 1615 TRACTOR-MOWER 1 27.44 4.90 \$109.36 10113/2016 72209 1615 TRACTOR-MOWER 1 27.44 4.90 \$109.36 Read Id - 002574+1 STEPTHENS GAP ROAD Activity M -002 Free Clearing Nond District -2 10117/2006 72212 1615 TRACTOR-MOWER 1 27.44 1.00 \$27.44 10117/2006 72212 1605 TRACTOR-FAIT CREW 1 34.22 1.00 \$27.30 10117/2006 72212 1605 TRACTOR-FLAT CREW 1 34.22 1.00 \$36.32 10117/2006 72212 1625 DUMP TRUCK-FLAT CREW 1 <td< td=""><td>10/13/2016</td><td>72309</td><td>1828</td><td>DUMP TRUCK-FLAT CREW</td><td>1.</td><td>36.22</td><td>2.00</td><td></td><td>\$72.44</td><td></td></td<>	10/13/2016	72309	1828	DUMP TRUCK-FLAT CREW	1.	36.22	2.00		\$72.44	
10/13/2016 T2209 10/3 TRACTOR-MOWER 1 27.44 2.00 \$14.88 10/13/2016 72209 231 MAYS JIMMY B 1 12.36 4.00 \$49.44 10/13/2016 72209 103 TRACTOR-MOWER 1 27.44 4.00 \$109.36 Road 1d - 002574-i STEPHENS GAP ROAD 2 18.21 1.00 \$18.31 Road Datriet -2 1 27.44 1.00 \$18.31 10/17/2016 72212 2131 MAYS JIMMY R 2 18.21 1.00 \$18.31 10/17/2016 72212 2131 MAYS JIMMY R 2 18.21 1.00 \$18.31 10/17/2016 72212 105 TRACTOR-MORER 1 27.44 1.00 \$27.44 10/17/2016 72212 1491 NAL JAMES 2 22.29 1.00 \$27.38 10/17/2016 72212 1035 TRACTOR-MORER 1 36.22 1.00 \$18.30	10/13/2016	72209	2534	MAYS JIMMY R	2	18.21	2.00	\$36.42		
1013/02016 72209 2511 MAYS JEMMY R 1 12.36 4.00 \$40.41 1013/02016 72209 1615 TRACTOR-MOWER 1 27.44 4.00 \$109.36 Read 1d - 0025744 STEPHENS GAP ROAD Activity M -402 Breach & Tree Clearing Read District -2 1017/02016 72212 1615 TRACTOR-MOWER 1 27.44 1.00 \$18.21 1017/02016 72212 1615 TRACTOR-MOWER 1 27.44 1.00 \$27.44 1017/02016 72212 1625 TRACTOR-MOWER 1 27.44 1.00 \$27.44 1017/02016 72212 1628 DUMP TRUCK-FLAT CREW 1 36.22 1.00 \$23.38 1017/02016 72212 1628 DUMP TRUCK-FLAT CREW 1 36.22 1.00 \$38.72 1017/02016 72212 1625 TRACTOR-MOWER 1 12.36 5.00 \$31.726 1017/02016 72212 1625	10/13/2016	T2209	1615	TRACTOR-MOWER	1	27,44	2.00		\$54.88	
D013/2016 T2209 1015 TRACTOR-MOWER 1 27.44 4.60 \$109.36 Road Id -002574+ STEPHENS GAP ROAD Attivity M 402 Break & Tree Clearing Stephen	10/13/2016	72209	2534	MAYS JIMMY R	1	12,56	4.00	\$49.44		
Read Id - 0025744 STEPHENS GAP ROAD Activity M 402 Break & Tree Charing Read District -2 III.11 I.00 S18.21 10/17/2016 72212 2131 MAYS /IMMY R 2 III.21 I.00 S27.44 10/17/2016 72212 1635 TRACTOR-MOSER 1 27.44 I.00 S27.44 10/17/2016 72212 1491 NALL JAMICS 2 22.20 1.00 S27.30 10/17/2016 72212 1028 DUMP TRUCK-PLAT CREW 1 36.22 1.00 S38.32 10/17/2016 72212 2131 MAYS /IMMY R 1 12.36 5.00 S18.21 10/17/2016 72212 2131 MAYS /IMMY R 1 34.22 1.00 S18.32 10/17/2016 72212 2131 MAYS /IMMY R 1 12.36 5.00 S137.20 10/17/2016 72212 1635 TRACTOR-MOWER 1 15.26 5.00 S137.20 10/17/2016 72212	0013/2016	72209	1605	TRACTOR-MOWER	1.	27.44	4.90		\$109.76	
Activity M. 402 Breack & Tree Chearing Road District -2 90/17/2016 72212 2131 MAYS JIMMY R 2 18.21 1.00 \$18.21 90/17/2016 72212 1635 TRACTOR-MONER 1 27.44 1.00 \$27.44 90/17/2016 72212 1635 TRACTOR-MONER 1 27.44 1.00 \$27.44 90/17/2016 72212 1635 DUMP TRUCK-PLAT CREW 1 36.22 1.00 \$38.72 90/17/2016 72212 2131 MAYS JIMMY R 1 12.36 5.00 \$18.21 90/17/2016 72212 2131 MAYS JIMMY R 1 12.36 5.00 \$18.72 90/17/2016 72212 2131 MAYS JIMMY R 1 12.36 5.00 \$137.29 90/17/2016 72212 1635 TRACTOR-MONER 1 15.26 5.00 \$137.29 19/17/2016 72212 1635 DLMP TRUCK-FLAT CREW 1 15.26 5.00 \$131.10 <td>Road Id - 0025</td> <td>744 STEE</td> <td>PHENS 6</td> <td>LAP ROAD</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Road Id - 0025	744 STEE	PHENS 6	LAP ROAD						
Read District -2 P0/17/2016 72212 2131 MAYS JIMMY R 2 HL21 1.00 \$18,21 P0/17/2016 72212 1603 TRACTOR-MORER 1 27,44 1.00 \$27,44 P0/17/2016 72212 1603 TRACTOR-MORER 1 27,20 1.00 \$27,30 P0/17/2016 72212 1491 NAIL JAMES 2 22,20 1.00 \$27,30 P0/17/2016 72212 1028 DUMP TRUCK-PLAT CREW 1 36,22 1.00 \$39,32 P0/17/2016 72212 2131 MAYS JIMMY R 1 12,36 5.00 \$61,80 P0/17/2016 72212 1603 TRACTOR-MOWER 1 27,44 5.00 \$137,29 P0/17/2016 72212 1603 TRACTOR-MOWER 1 27,44 5.00 \$137,29 P0/17/2016 72212 1603 TRACTOR-FLAT CREW 1 15,26 5.00 \$137,29 P0/17/2016 72212 1493 NAIL JAME	Activity M 403	Brush &	True Clu	aring						
BOTT2006 72212 2131 MAYS JIMMY R 2 HL21 L00 \$18,21 BOTT2006 72212 1605 TRACTOR-MOWER 1 27,44 1.00 \$27,44 BOTT2006 72212 1491 NAIL JAMES 2 22,20 1.00 \$22,30 BOTT2006 72212 1491 NAIL JAMES 2 22,20 1.00 \$22,30 BOTT2006 72212 1028 DUMP TRUCK-PLAT CREW 1 36,22 1.00 \$36,32 BOTT2006 72212 2131 MAYS JIMMY R 1 12,36 5.00 \$61,80 BOTT2006 72212 1605 TRACTOR-MOWER 1 27,44 5.00 \$137,29 BOTT2006 72212 1605 TRACTOR-MOWER 1 27,44 5.00 \$137,29 BOTT2006 72212 1495 NAIL JAMES 1 15,26 5.00 \$76,30 BOTT2006 72212 1628 DUMP TRUCK-FLAT CREW 36,22 5.00	Road District	-1								
NUT72006 72212 1635 TRACTOR-MONER 1 27.44 1.00 \$27.44 NUT72006 72212 1491 NAIL IAMES 2 22.20 1.00 \$22.30 NUT72006 72212 1028 DUMP TRUCK-FLAT CREW 1 36.22 1.00 \$36.32 NUT72006 72212 2131 MAYS JMMY R 1 12.36 5.00 \$61.80 NUT72006 72212 1605 TRACTOR-MOWER 1 27.44 5.00 \$137.20 NUT72006 72212 1605 TRACTOR-MOWER 1 27.44 5.00 \$137.20 NUT72006 72212 1605 TRACTOR-MOWER 1 27.44 5.00 \$137.20 NUT72006 72212 1605 NAIL JAMES 1 15.26 5.00 \$76.30 NUT72006 72212 1628 DUMP TRUCK-FLAT CREW 1 36.22 5.00 \$78.10	10/3712096	72212	2134	MAYS /IMMY R	2.1	18.71	1.00	\$18.21		
HWT70006 72212 I 491 NAIL IAMES 2 22.20 1.00 \$22.30 9917/2006 72212 1028 DUMP TRUCK-PLAT CREW 8 36.22 1.00 \$36.32 9917/2006 72212 2131 MAYS JMMY R 8 12.36 5.00 \$61.86 9917/2006 72212 1035 TRACTOR-MOWER 8 27.44 5.00 \$137.29 9917/2006 72212 1035 TRACTOR-MOWER 8 27.44 5.00 \$137.29 9917/2006 72212 1495 NAIL JAMES 8 15.26 5.00 \$76.30 9917/2006 72212 1628 DUMP TRUCK-FLAT CREW 8 36.22 5.00 \$76.30	10/17/2016	72212	1695	TRACTOR-MOWER	1	27.44	1.00		\$27,44	
FØT 72016 72212 1028 DUMP TRUCK-PLAT CREW I 36.22 1.00 \$36.22 FØT 72016 72212 2131 MAYS //MMY R I 13.36 5.00 \$61.86 FØT 72016 72212 1035 TRACTORMOWER I 27.44 5.00 \$107.20 FØT 72016 72212 1035 TRACTORMOWER I 27.44 5.00 \$107.20 FØT 72016 72212 1495 NAL JAMES I 15.26 5.00 \$76.30 FØT 72016 72212 1628 DUMP TRUCKFLAT CREW I 36.22 5.00 \$76.30	10/17/2016	70212	1491	NAIL JAMES	2	22.29	1.00	\$27.20		
FWT72006 72212 2531 MAYS IMMY R I 12.36 5.00 \$61.80 FWT72006 72212 1035 TRACTOR-MONER I 27.44 5.00 \$107.29 FWT72006 72212 1495 NAIL JAMES I 15.26 5.00 \$76.30 FWT72006 72212 1628 DUMP TRUCK-FLAT CREW I 36.22 5.00 \$76.30	10/17/2016	72212	1028	DUMP TRUCK-FLAT CREW		36.22	1.00		\$36.72	
19/17/2016 72212 1015 TRACTOR-MOMER I 27.44 5.00 \$137.29 19/17/2016 72212 1491 NAIL JAMES I 15.26 5.00 \$76.30 19/17/2016 72212 1628 DUMP TRUCK-FLAT CREW I 36.22 5.00 \$181.10	10/17/2016	72212	2531	MAYS IMMY R	1	12.36	9.00	\$61.80		
19/17/2006 72212 1493 NAILJAMES I 15.26 5.00 \$76.30 19/17/2006 72212 1628 DUMP TRUCK-PLAT CREW I 36.22 5.00 \$181.10	10/17/2026	22212	1005	TRACTOR-MOWER	1.1	27.44	5.00		\$137.20	
19/15/2016 72212 1628 DUMP TRUCK-FLAT CREW I 36-22 5:00 \$181.10	19/17/2006	32213	1495	NAIL JAMES		15.26	5.00	\$76.30		
	10/11/2016	72212	1028	DRMP TRUCK-FLAT CREW	1	36.22	5.00		\$181.10	

Road Ed - 002587 c SUMATANGA ROAD

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Etowah County Road Department Job Cost Selective Report

from 4/1/2016 to 3/31/2017

Project Id -28-014 Road 3d - 09259 Activity 5d 402 Band District 10/20/2016 10/20/2016 10/20/2016	EROW MA F7< SUM/ Brank A -4	UNTENA TANGJ Free Clea	NCE-MOW, TREE TRIMMING A ROAD	2					
Road Id - 4029 Activity Id 402 Based District 16/20/2016 16/20/2016 16/20/2016	Reach &	TANGS Free Cles	ROAD						
Activity 54 402 Based District 16/20/2016 16/20/2016 16/20/2016	Brash &	Free Clea							
Read District 16/20/2014 16/20/2014 16/20/2014	-4		rieg						
16/26/2014 16/26/2014 16/26/2014	1000.00								
16/26/2016	122115	2531	MAYS FMMY 8.		12.36	3.00	\$24.72	Marco I	
16/29/2014	72215	1035	TRACTOR-MOWER	10 C	27.44	2.00		\$54.88	
LAN MARKED A	72215	5490	NAIL JAMES		15.26	2.00	\$30.52		
10/10/014	32213	6061	PICKUP	1	16.43	2.00		\$32.86	
Read 1d - 09264	O- TUM	LINGAR	ROAD						
Activity Id 482	Bresh &	Free Clea	ring						
Road District	-4			12.1	10.00	1.00	614.45		
11/1/2016	12228	2530	MAYS JIMMY R	. 51	18.21	2.00	335.42	212.00	
11/1/2014	12228	1033	TRACTOR-2009 JOEPS DREE	- 21	12.00	2.00	216.64	104.68	
11/1/2016	10228	25.52	BUTT WALLER D	- 23	18.00	2.00	200.04	10414-1411	
11/1/2016	10028	-1433	PRACE PARTY I		13.36	10.00	\$175.60		
11/2/2019	72227	10.04	THE APPENDING AND A DECK		27.44	10.00	3120.00	\$234.40	
11/2/2019	10229	3633	DEST WAI THE R		17.06	10.00	\$125.40		
11/2/2016	79799	0013	PETER	1.0	18.07	10.00		\$189.70	
11/2/2016	72226	3933	MANYS INDAY #		18.21	2.00	\$36.47		
11/2/2016	70120	1004	TRACTOR-2008 KIEW DESIL	- R	27.44	2.66		\$34.88	
11/2/2014	70009	3532	REFE WALTER B	1	17.72	2.00	\$35.54		
11/3/2016	12229	0953	PCKUP	1	18.07	2.00		\$36.14	
316/2017	73562	2516	SHEETON WILLIAM J	1	15.13	10.00	\$151.30		
316/2017	72,602	1057	PICKUP-3012 FORD F158	1	18.86	38.00		\$188.60	
2/6/2017	72902	2523	SEARS MARQUETTE	1	12.37	30.00	\$123.70		
3/6/2017	12362	1870	TRUCK2010	1.5	45.82	18.00		\$458.20	
Road Id - 00265	51-: TUB	SEY TOP	WN GAP ROAD						
Activity 3d 402	Brash &	Tree Clea	ring						
Road District	-1		Second and the						
12/20/2016	93266	2526	CARROLL MARCUS	- R -	13.64	2.00	\$27.28		
12/20/2016	72206	0997	DUMP TRUCK-2008	1	47.19	2.60		\$94.38	
12/20/2016	TZ266	1041	BACKHOE-2015 CAT 430F	1	61.73	2.60		\$123.46	
12/20/2016	72266	1909	PERKINS ROOER L	1	14.45	2.00	\$28.90	1.000	
12/20/2016	72266	1065	DOMP TRUCK-2014 MACK	- F -	-104.81	2.00		\$209.62	
12/20/2016	71268	2315	STOWERS SHEA		15.59	2.00	\$31.16		
12/20/2086	72266	0882	DUMP TRUCK-FLAT BED	1	43.36	2.00		\$86.72	
Road Id - 0027	25-1 WAR	STOR V	ALLEY BOAD						
Activity 1d 402	Broh &	True Clea	ring						
Road District	-4			1.1		4.00	A		
11/3/2010	72230	2591	MATS INEMT R		12.99	3.00	201,80	A	
110/2016	722,99	1005	TRACTOR-2009 KORN DEEK		17.64	4.00	8.03 10	BOLSE.	
EL/MORDS	122.30	2502	HUPP WALLER D		18.00	5.00	200.00	800.15	
12/0/2010	72230	0812	PROVED BUILDING	- 21	15.56	10.00	1175.40		
12/13/2010	21246	1016	TRACTOR, 2000 NUM DEEK	- 21	22.44	10.00	1111-111	\$774.40	
121302009	112000	9439	DOTESTICAL TER IS	- 62	12.06	10.00	\$120.40	22.7 . 10	
12/12/2009	71345	0073	PROFILE THE REAL PROFILE	- 61	18.07	10.00	******	\$180.70	
12/14/2014	12241	2431	MANS INDIVISI	- 21	12.36	2.50	\$38.90	(anisette)	
13/14/2016	72361	1035	TRACTOR-2009 KINN DEFE	- i -	27.44	2.50	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	348.60	
13/14/2016	72361	2432	HERE WALTER B	÷ 1	12.05	2.50	\$30.15	121/26	
13/14/2016	72261	0011	PERUP	- i -	18.07	2.50	1.000	\$45.18	
Read 84 - 0027	25- WAS	HIURN	CIRCLE	0.0		12.252			
Artistic M. 407	Bruh &	Tree Clev	wiles.						
Read District	-4		100						
10/31/2016	72236	1511	MAYS JIMMY'R	1	12.36	2,00	\$24.72		
10/31/2016	72226	1035	TRACTOR-2009 JOHN DETR	1	27.44	2,00		\$54.88	
10312016	T2226	2532	HUFF WALTER 8	1	12.06	2.00	\$24.13		
	77356	0913	PICKUP	1	18.07	2.00		\$36.14	

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ETOWAH COUNTY - DOCUMENT SET 5-11

Etowah County Road Department

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Job Cost Selective Report

from 4/1/2016 to 3/31/2017

Date	BJ M	M	Description	Wate Id	Rate	Units	Emp Cost	Equ Cust	Mat Cast	Con Cost
Project 14 -28-014	IBOW M	AINTENA	NCE-MOW, TREE TRIMMIN	G						
Road 5d - 6027	27-; WAS	HBURN	CIRCLE							
Activity Id 483	Breh &	Tree Clea	ring							
Boad District	-4									
16/34/3016	77226	1225	POSEY JAMES D	1 C	15.48	2.09	\$32.96			
10/31/2016	72226	1014	TRACTOR	1	28.74	2.00		\$57.48		
10332016	32226	01185	ROTARY CUTTER-2013	1	21.38	2.00		\$42.76		
10312016	72226	2525	ARMSTRONG GRID	1	13.64	2.00	\$27.28			
16/33/2016	32226	0681	TRACTOR	1	24.42	2.00		\$48,84		
1603/2016	72326	0118V	CUTTER-RHINO 7	1.2	16.65	2.00		\$13.30		
1035/2016	72226	2527	ALLEN JORDAN	1	12.56	2.00	\$24.73			
10/31/2016	32226	1003	TRUCK-PICK UP FLAT	1	34.94	2.00		\$49.82		
Road 1d - 0028	34< GRE	EN VAL	LEY ROAD							
Activity 14, 483	Brank &	Tree Clea	aring							
Road District	-8									
10/26/2016	72220	1513	ASTOSCAR	1	17.71	2.00	\$35.42			
10/16/2016	72220	1057	PICKUP-2012 FORD F130	1	18.59	2.00		\$37.18		
16(26/2016	72220	2516	SHELTON WILLIAM J	1	15.15	2.00	\$30.26			
10/26/2016	72220	1070	TRUCK-2010	1	47.63	2.00		\$95.26		
1026/2016	72220	1538	GUTHERY THOMAS	1.1	16.01	4.00	\$64.04			
10/26/2016	12220	1029	DUMP TRUCK-2006	1	46.35	4.00	(22) - C	\$185.40		
10/26/2016	77736	2515	STOWERS SHEA	1	15.99	8.00	\$62.16			
11/2/2016	12229	1513	ASELOSCAR	1	17.71	10.00	\$172.10			
11/2/2016	72229	1057	PICKUP-2012 FORD FLSE	1	18.99	10.00		\$185.90		
11/2/2014	77726	2516	SHEETCN WELLIAM I	1	15.13	10.00	5151.30			
11/2/2014	10100	1070	TRUCK 2010	1	47.63	10.00		\$415.30		
11/2/2016	73234	2505	CIEPSON ADAM	1.1	12.75	10.00	\$122.30			
11/2/2004	72220	0016	PERMIT	1	13.79	10.00		\$117.90		
11/2/2016	73530	2515	STOREN'S SHEA		15.98	15.00	\$155.90			
11/2/2016	10000	1007	OF MARTINE AT 1810		#1.16	10.00		\$411.60		
11/2/2010	71710	11100	CONTRACTOR TRACKS		14,458	10.00	\$168.16			
11/2/2019	72223	1220	ASS COLORS		17.72	13.00	\$177.10			
11/3/2010	100000	1012	PROFILE, 1943 EDED F145	10	18.68	18.00		\$185.90		
11/2/2010	104.94	2414	statist type with a label i		16.11	10.00	61101.30	4140.74		
11/2/2010	12276	1000	THEFT AND	12	42.45	10.00	8000.00	\$476.30		
10.02010	122.50	1010	CONTRACTOR ADVANCE	- 22 -	12.73	10.00	6127.34	deres a		
1000000	10276	2303	COP SCHE ALLONDE	12	13.76	10.00	1101.04	\$117.50		
10.322010	12239	10010	CONTRACTOR CONTRACTOR		14,000	22.00	\$140 M	Arteria		
11/2/2016	122,99	1320	OUTBERT LINANS		43.34	10.00	1000.00	5111.60		
10/3/2016	TAX.NO	NRS.	DOMP TRUCK-FLAT HID	- C.	42.29			100.00		
Personal in a person	Cost Million	Tanta	VIEW CHURCH RD							
Activity to 40.	2 Brook A	Trictio	aring							
Road Destruct		and the	And a local set of any set of a		10.14	3.65	810.00			
18/902016	742239	2501	NUMBER OF STREET S	- 20 -	10.00	3.45	3.00.90	648.00		
18/9/2016	12235	1005	TRACTOR-THEY JOHN DEEM		27,90	2.50	810.15	308.00		
10/9/2016	73208	2552	HUT WALLER D	10	12.00	2.00	\$20.12			
11/9/2010	12230	10055	PRACE	4.0	18.97	4.30		945.18		
House Id - 00.00	ave that	LANE C	OTE							
Accessly 50 -400	2 Brenh A	Trie Cao	aring							
Road Destrict	1985 C					3.00	174.47			
19/26/2006	72220	2391	MATS /INMY R	- 50 -	10.01	2.00	3,00,42	*****		
19/26/2006	742230	1005	TRACTURE-2009 JOHN DEEK		27,00	2.00		224.88		
10/26/2006	72228	1491	WALL MARES	5 C	22,29	2.00	344.60	#100 Lot		
19/26/2006	71229	0903	PICICUP		18.07	2.00		\$39.14		
Head Ed - 0048	14-: W M	BLACK	WELL TRAIL							
Activity 14 40	2 Brosh &	Tree Cle	arting.							
Road District	1. S.	2222	The second s	200	100.00	10.00				
11/26/2005	72248	2532	HUPP WALTER B		12,06	8.00	395.48	-		
15/28/2016	72248	1035	TRACTOR2009 JOHN DEEN	- I.	27.44	8.00		3119.51		
15/28/2016	72348	2501	MAYS RMMT R	1	12.36	1.00	228.28			

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ETOWAH COUNTY - DOCUMENT SET 5-11

Etowah County Road Department Job Cost Selective Report from 4/1/2016 to 3/31/2017

Date	DJ 14	M.	Description	Rate M	Rete	Units	Emp Cost	Equ Cost	Mart Cost	Con Cost
Project 14 -28-814	EROW M	UNTERA	NCE-MOW, TREE TRIMMIN	G						
Boad 54 - 00411	4+ W.M	BLACK	BELL TRAIL							
Activity Id. 402	Ersch &	True Clea	ring							
Road District	-3									
13/28/2016	72248	9933	PICKUP	8	18,07	1.00		\$144.35		
11/29/2016	T2349	2534	MAYS JIMMY R	- 10 -	12.56	5.00	561.80			
11/29/2016	73249	1035	TRACTOR-2009 JOHN DEER	8 10 -	27.44	5.08		\$137.28		
16/29/2016	32249	2532	HOFF WALTER B	1.	12.06	5.00	\$60.10			
11/29/2016	71249	8933	PICKUP	1.5	18.07	5.08		\$90.35		
				Project Cast	by Category		\$11,362.48	\$22,903.99	50.00	58.00
				Total Projec	et Cast	- 67				\$34,266.47
Road Id - 00105 Activity Id 402	Brush &	O ROAL	SOUTH ring							
6202066	12108	3475	ALLEN PUPPAS	102	12.10	2.40	\$30.25			
4/30/3614	71108	1049	RACTOR	10	67.54	2.48		\$348.15		
4/20/2014	12108	2519	SWORDS NIKEWAN	- 22	13.36	3.58	\$33.40	10000		
6/20/2016	221034	1000	TRANSER_LITEUTY	122	11.58	2.50		\$28.95		
6/20/2016	22108	1001	DUMP TRUCK-FLATHED	10	54.34	2.58		\$133.85		
6/20/2016	72108	2512	SHEELER DAVID	1	12.43	2.50	\$51.08	1 10.261		
6202016	72508	1011	DOMP TRUCK	10	88.96	2.50	03150	\$222.40		
4/20/2016	72108	0679	KELLEY DONALD R	10	21.49	2.50	\$53.73			
6/20/2016	72108	-2983	PICKUP	н.,	15.75	2.50		\$39.18		
				Project Con	by Category	-	\$148.46	\$594.93	58.00	\$8.00
				Total Projec	et Cost					\$743.39