



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.

Table 1-1: Responsible Officials and Authorization Dates

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

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.



Table 1-3: Populations from 2000 and 2010 Census

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*

* 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.

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

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

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 representative 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:

Table 1-8: MS4 Storm Water Steering Committee

ENTITY	CONTACT	PHONE NO.	EMAIL
City of Gadsden	Jeremy 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 Whitemore	256-442-9775 Ext. 103	jwhitemore@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

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



5. 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.

Table 2-1: Monitoring Events

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



	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.

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

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

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 maintains 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

5-30-17
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. Jeremy 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. Jeremy 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

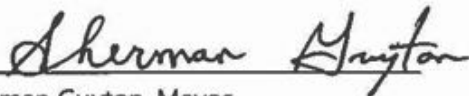
The City of Gadsden is proud of their efforts to achieve the objectives of the SWMPP. Based on this evaluation, the SWMPP appears to be effective in meeting the objectives and requirements of the Phase II Permit.

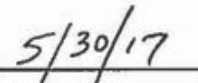


5.7 Agency Certification

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.


Sherman Guyton, Mayor
City of Gadsden, Alabama


Date

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 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.

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 weakened 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 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.

Charles Gilchrist, Mayor
City of Glencoe, Alabama

Date



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

5-30-17
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:

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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 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 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.


Terry John Calhoun, Mayor
Rainbow City, Alabama


Date

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:

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256-442-9775
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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 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.

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

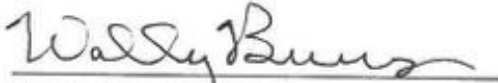
The City of Southside is proud of their efforts to achieve the objectives of the SWMPP. Based on this evaluation, the SWMPP appears to be effective in meeting the objectives and requirements of the Phase II Permit.



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


Date

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 assist 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.

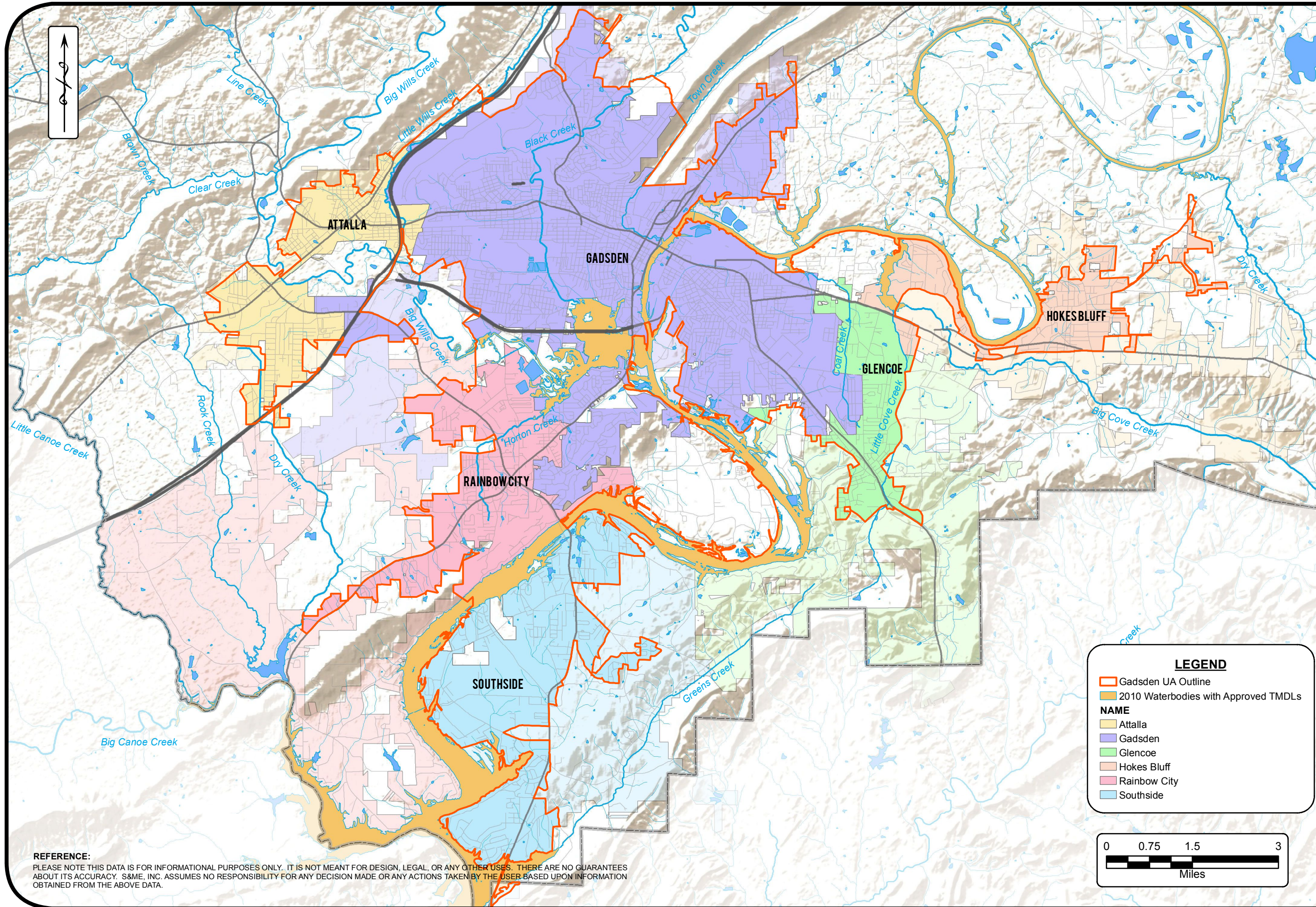
I certify under penalty of law that this document and all attachments pertaining to Etowah County were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the 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.

Responsible Official
Etowah County, Alabama

Date

Appendices

Appendix A –Figures



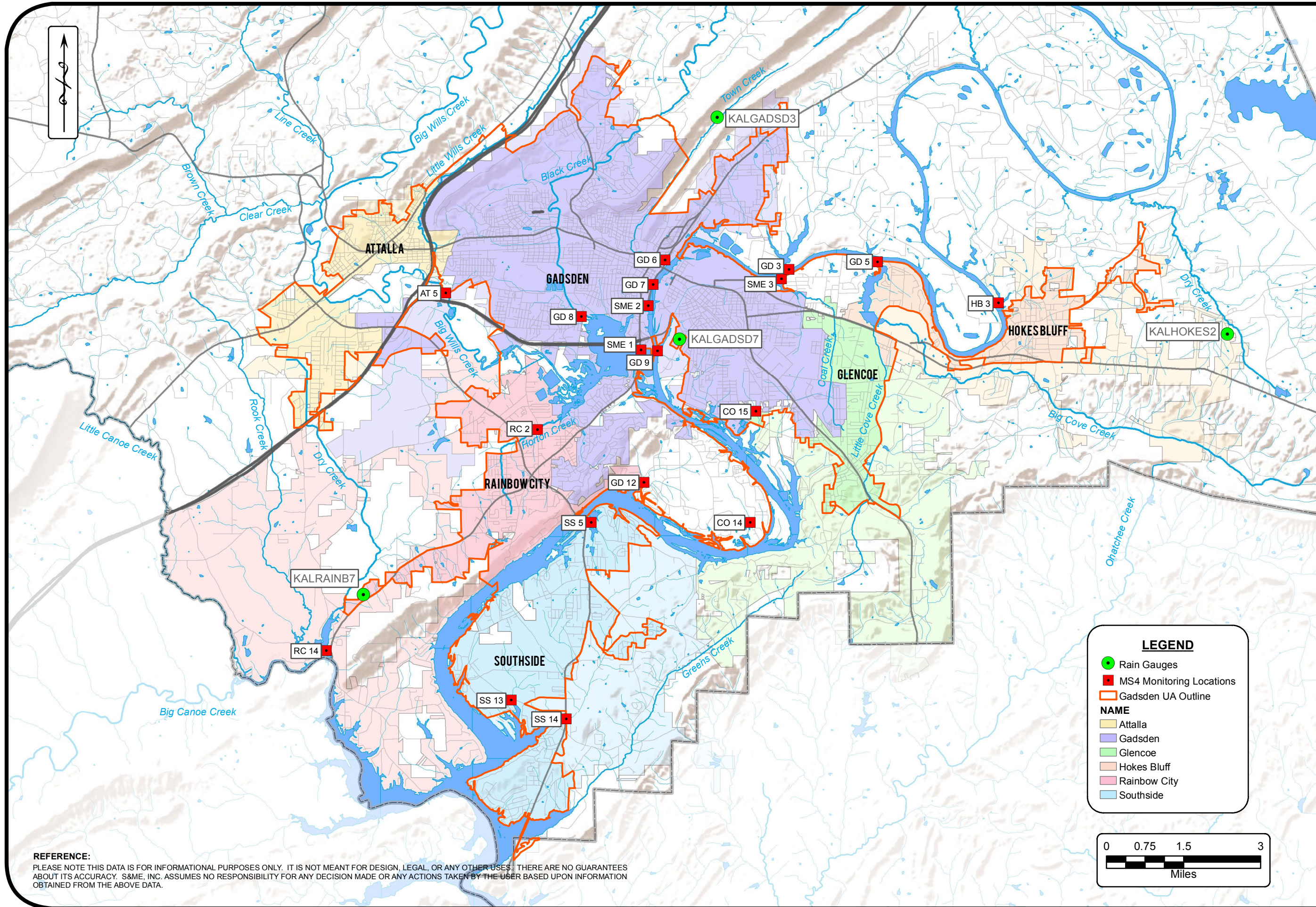
REFERENCE:
 PLEASE NOTE THIS DATA IS FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT MEANT FOR DESIGN, LEGAL, OR ANY OTHER USES. THERE ARE NO GUARANTEES ABOUT ITS ACCURACY. S&ME, INC. ASSUMES NO RESPONSIBILITY FOR ANY DECISION MADE OR ANY ACTIONS TAKEN BY THE USER BASED UPON INFORMATION OBTAINED FROM THE ABOVE DATA.

DATE: 3/10/14
SCALE: 1:100,000
PROJECT NO: 4482-14-021
NPDES NO: ALR040009
DRAWN BY: SLY
CHECKED BY: CRO

S&ME
WWW.SMEINC.COM

GADSDEN-ETOWAH MS4 BOUNDARIES
 GADSDEN ALABAMA URBANIZED AREA
 PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

FIGURE NO.
1



REFERENCE:
 PLEASE NOTE THIS DATA IS FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT MEANT FOR DESIGN, LEGAL, OR ANY OTHER USES. THERE ARE NO GUARANTEES ABOUT ITS ACCURACY. S&ME, INC. ASSUMES NO RESPONSIBILITY FOR ANY DECISION MADE OR ANY ACTIONS TAKEN BY THE USER BASED UPON INFORMATION OBTAINED FROM THE ABOVE DATA.

DATE: 3/10/14
 SCALE: 1:100,000
 PROJECT NO: 4482-14-021
 NPDES NO: ALR040009
 DRAWN BY: SLY
 CHECKED BY: CRO



MS4 MONITORING LOCATIONS
 GADSDEN ALABAMA URBANIZED AREA
 PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

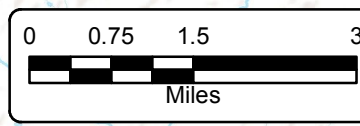
FIGURE NO.
2

LEGEND

- Rain Gauges
- MS4 Monitoring Locations
- Gadsden UA Outline

NAME

- Attalla
- Gadsden
- Glencoe
- Hokes Bluff
- Rainbow City
- Southside



Appendix B – Charts

CHART 2 - pH ANALYTICAL DATA

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

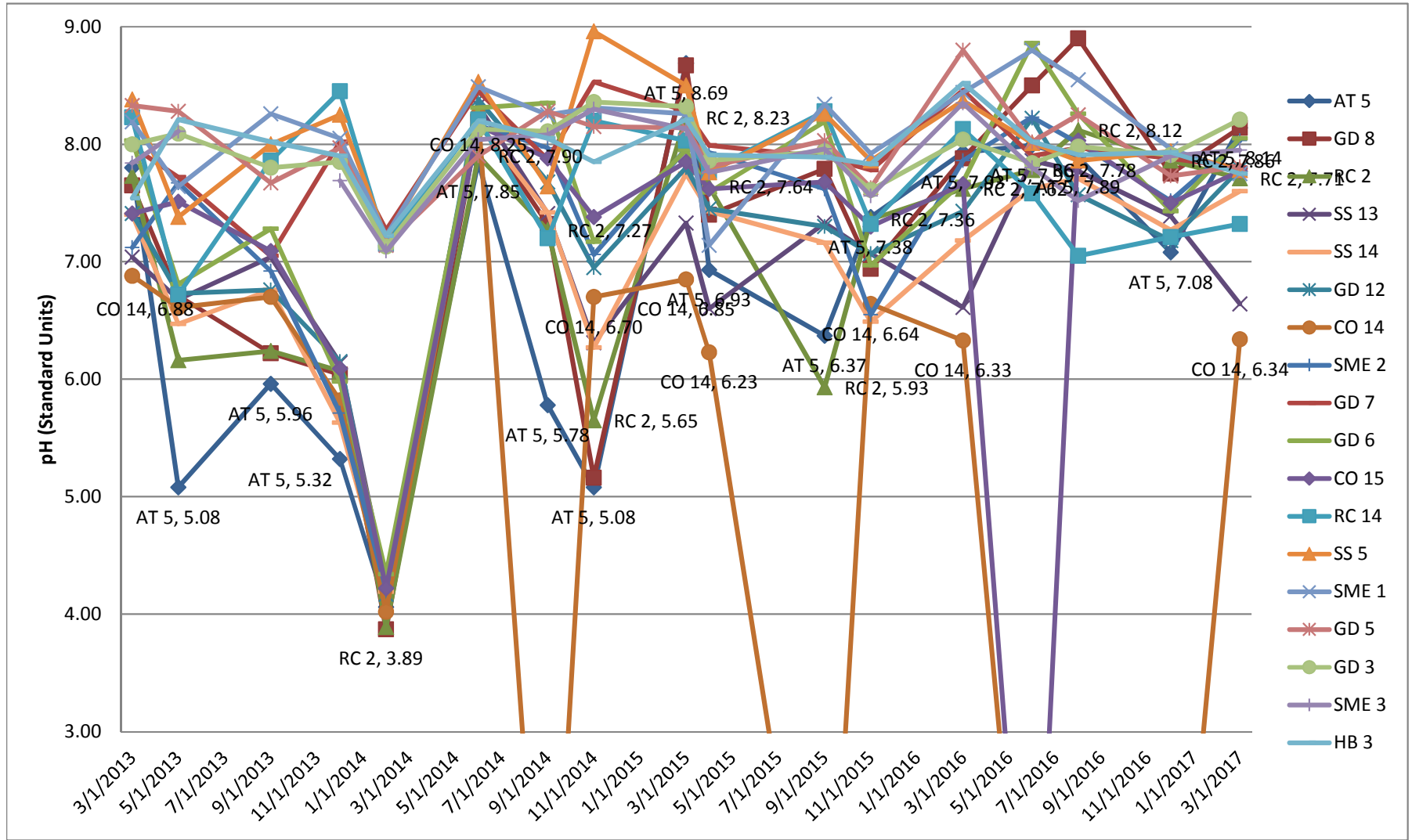


CHART 4 - TEMPERATURE ANALYTICAL DATA

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

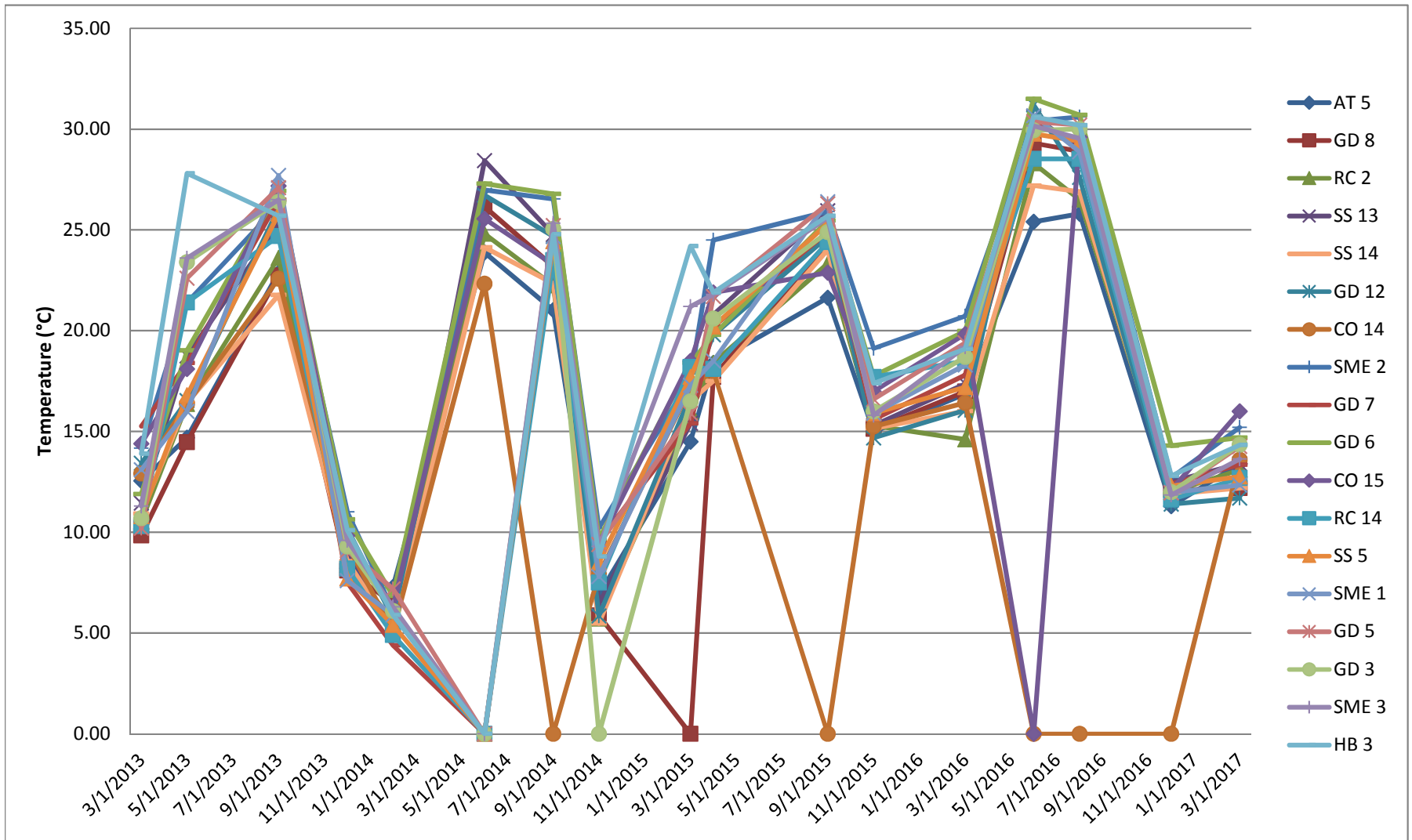
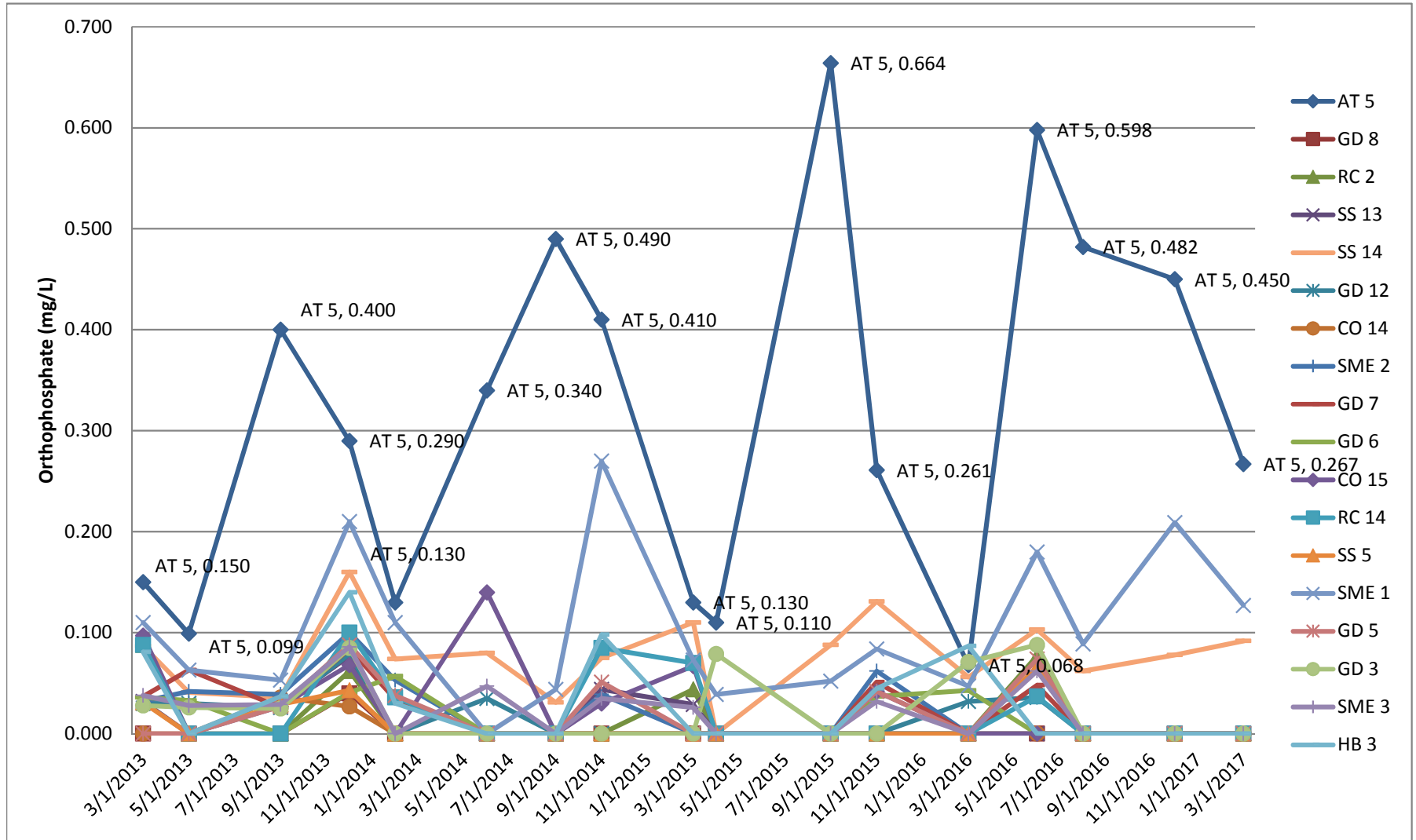


CHART 6 - ORTHOPHOSPHATE ANALYTICAL DATA

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009



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 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. 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.

Table 1-1 Responsible Official and Authorization Dates

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

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**.

Table 2-1 June 27, 2016 Rainfall Data

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.



*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.

Table 3-1 Monitoring Point Coordinates

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

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:

Table 3-2 Sample Containers and Preservation

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

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:

Table 5-0 Storm Water Steering Committee

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

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.

Emily J. Kennedy
Staff Scientist

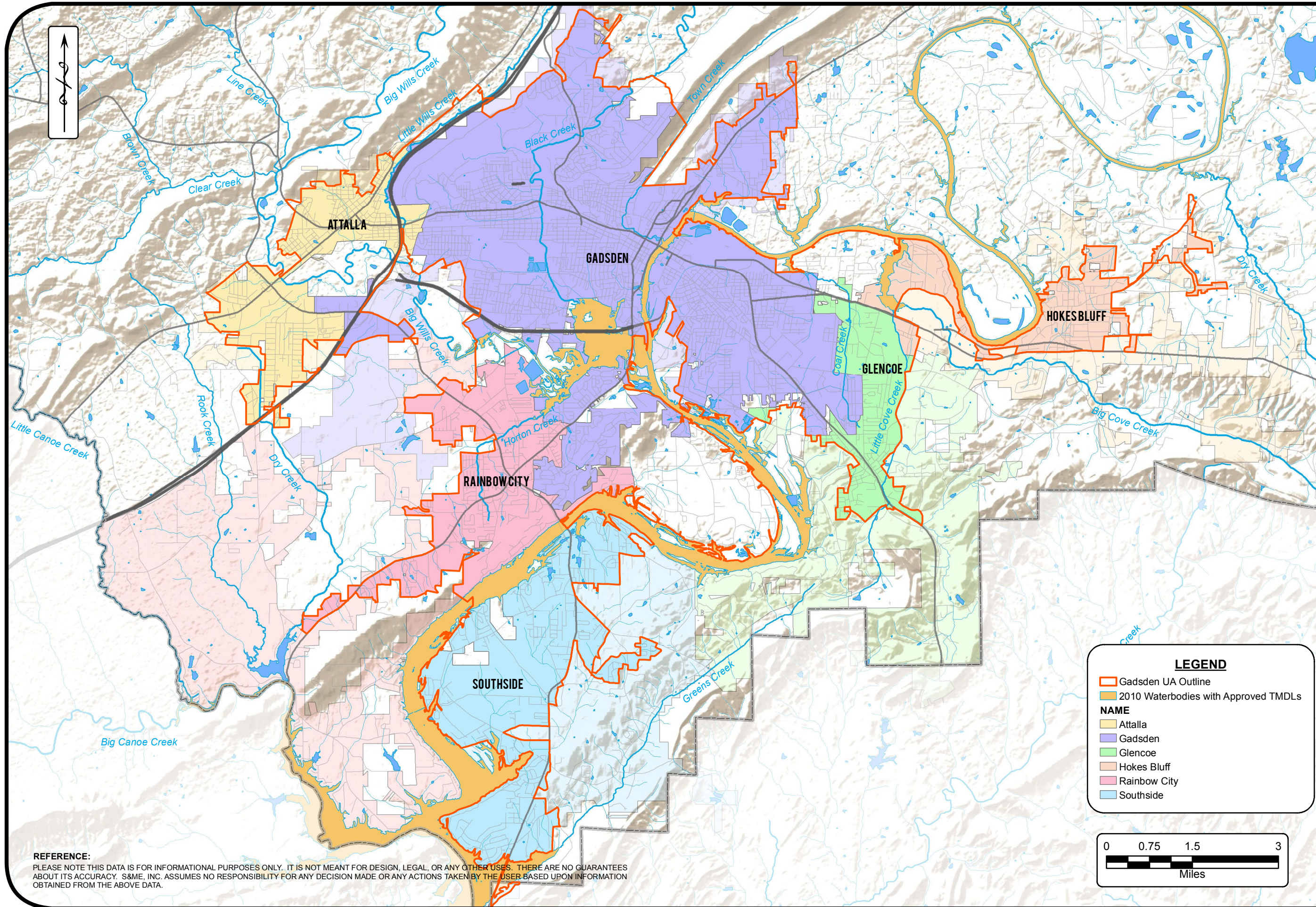
Deborah J. Jones, P.E.
Senior Engineer



Appendix A

Figure 1 – Gadsden, Alabama Urbanized Area

Figure 2 – MS4 Monitoring Locations Map



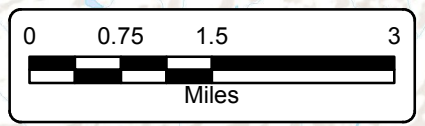
REFERENCE:
 PLEASE NOTE THIS DATA IS FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT MEANT FOR DESIGN, LEGAL, OR ANY OTHER USES. THERE ARE NO GUARANTEES ABOUT ITS ACCURACY. S&ME, INC. ASSUMES NO RESPONSIBILITY FOR ANY DECISION MADE OR ANY ACTIONS TAKEN BY THE USER BASED UPON INFORMATION OBTAINED FROM THE ABOVE DATA.

LEGEND

- Gadsden UA Outline
- 2010 Waterbodies with Approved TMDLs

NAME

- Attalla
- Gadsden
- Glencoe
- Hokes Bluff
- Rainbow City
- Southside

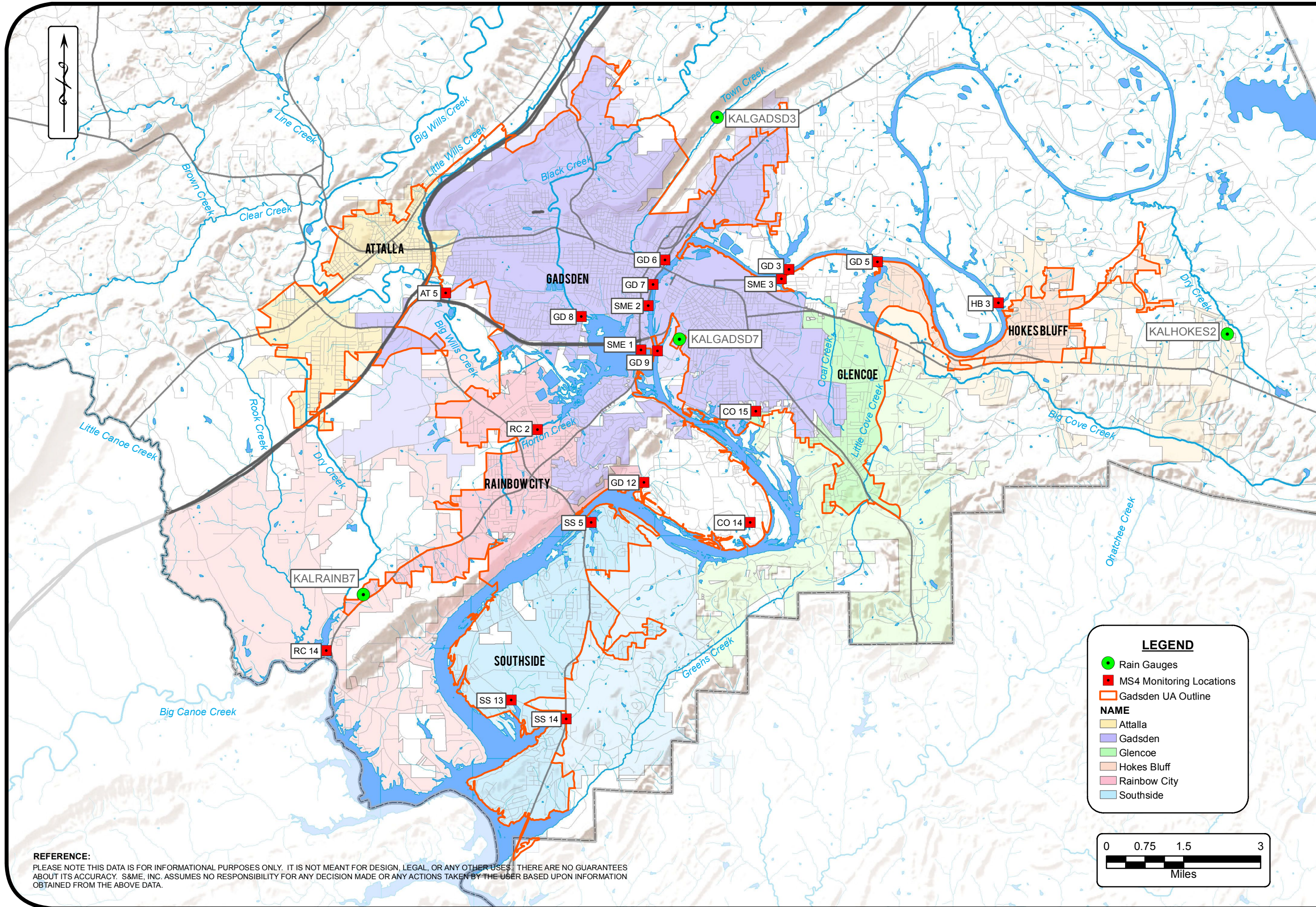


SCALE: 1:100,000	DATE: 3/10/14
PROJECT NO: 4482-14-021	DRAWN BY: SLY
NPDES NO: ALG040009	CHECKED BY: CRO

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GADSDEN-ETOWAH MS4 BOUNDARIES
 GADSDEN ALABAMA URBANIZED AREA
 PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

FIGURE NO.
1



REFERENCE:
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DATE: 3/10/14
SCALE: 1:100,000
PROJECT NO: 4482-14-021
NPDES NO: ALG040009
DRAWN BY: SLY
CHECKED BY: CRO

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MS4 MONITORING LOCATIONS
 GADSDEN ALABAMA URBANIZED AREA
 PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

FIGURE NO.
2



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

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 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	DUPLICATE OF HB 3				<0.10	0.027	<0.10	0.50	19.6

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled

Bold - maximum reading for constituent

NA - not available at this time

* - unknown reading due to equipment malfunction

TABLE B.3 - ANALYTICAL DATA - AT 5**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.4 - ANALYTICAL DATA - GD 8**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.5 - ANALYTICAL DATA - RC 2**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.6 - ANALYTICAL DATA - SS 13**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.7 - ANALYTICAL DATA - SS 14

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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
 NS - Not Sampled

TABLE B.8 - ANALYTICAL DATA - GD 12

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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
 NS - Not Sampled

TABLE B.9 - ANALYTICAL DATA - CO 14

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.10 - ANALYTICAL DATA - SME 2**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.11 - ANALYTICAL DATA - GD 6**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.12 - ANALYTICAL DATA - CO 15

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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
 NS - Not Sampled

TABLE B.13 - ANALYTICAL DATA - RC 14**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.14 - ANALYTICAL DATA - SS 5

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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
 mg/L - milligrams per liter
 NS - Not Sampled

* - unknown reading due to equipment malfunction

TABLE B.15 - ANALYTICAL DATA - SME 1**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.16 - ANALYTICAL DATA - GD 9

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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
 mg/L - milligrams per liter
 NS - Not Sampled

* - unknown reading due to equipment malfunction

TABLE B.17 - ANALYTICAL DATA - GD 7**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.18 - ANALYTICAL DATA - GD 5**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.19 - ANALYTICAL DATA - GD 3**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.20 - ANALYTICAL DATA - SME 3

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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
 mg/L - milligrams per liter
 NS - Not Sampled

* - unknown reading due to equipment malfunction

TABLE B.21 - ANALYTICAL DATA - HB 3**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled



Appendix C

Laboratory Report No. L844361, dated July 13, 2016

July 13, 2016

S&ME - Huntsville

Sample Delivery Group: L844361
Samples Received: 06/30/2016
Project Number: 4482-15-010
Description: 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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GD5 5FT L844361-06	13
GD3 5FT L844361-07	14
SME3 5FT L844361-08	15
HB3 5FT L844361-09	16
SME5 5FT L844361-10	17
AT5 .5FT L844361-11	18
GD8 L844361-12	19
RC2 .5FT L844361-13	20
SS13 .5FT L844361-14	21
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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY



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 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 14:36	JER
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 00:56	07/07/16 00:56	ASK
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

- 1
Cp
- 2
Tc
- 3
Ss
- 4
Cn
- 5
Sr
- 6
Qc
- 7
Gl
- 8
Al
- 9
Sc

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	JER
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 00:57	07/07/16 00:57	ASK
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	MHM

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 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 14:38	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 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 14:39	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
Wet 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
Wet 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
Wet Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 12:45	06/30/16 12:45	MHM

SAMPLE SUMMARY



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 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 14:44	ASK
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	MHM

1
Cp

2
Tc

3
Ss

4
Cn

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
Wet Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:07	JER
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 01:08	07/07/16 01:08	ASK
Wet 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

5
Sr

6
Qc

7
Gl

8
Al

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 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
Wet Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:09	JER
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 01:09	07/07/16 01:09	ASK
Wet Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 17:51	DR
Wet Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 12:53	06/30/16 12:53	MHM

9
Sc

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
Wet Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:10	JER
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 01:10	07/07/16 01:10	ASK
Wet 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 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
Wet Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:12	JER
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 01:12	07/07/16 01:12	ASK
Wet Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 17:56	DR
Wet Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 12:54	06/30/16 12:54	MHM

SAMPLE SUMMARY



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 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
Wet Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:16	JER
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 01:17	07/07/16 01:17	ASK
Wet Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 17:58	DR
Wet Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 12:54	06/30/16 12:54	MHM

- 1
Cp
- 2
Tc
- 3
Ss
- 4
Cn
- 5
Sr
- 6
Qc
- 7
Gl
- 8
Al
- 9
Sc

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 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
Wet 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
Wet 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 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
Wet 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
Wet Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 12:57	06/30/16 12:57	MHM

SS13 .5FT L844361-14 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 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
Wet Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:20	JER
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 01:20	07/07/16 01:20	ASK
Wet Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 18:01	DR
Wet 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
Wet Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:21	JER
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 01:22	07/07/16 01:22	ASK
Wet Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 18:03	DR
Wet Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 12:58	06/30/16 12:58	MHM

SAMPLE SUMMARY



SME4 .5FT L844361-16 WW

Collected by
E Kennedy Collected date/time
06/29/16 13:30 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
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
Wet Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 12:59	06/30/16 12:59	MHM

1
Cp

2
Tc

3
Ss

4
Cn

GD12 .5FT L844361-17 WW

Collected by
E Kennedy Collected date/time
06/29/16 14:00 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
Wet Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:24	JER
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 01:25	07/07/16 01:25	ASK
Wet Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 18:05	DR
Wet Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 13:00	06/30/16 13:00	MHM

5
Sr

6
Qc

7
Gl

8
Al

SME2 .5FT L844361-18 WW

Collected by
E Kennedy Collected date/time
06/29/16 13:00 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
Wet Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:27	JER
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 01:30	07/07/16 01:30	ASK
Wet Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 18:09	DR
Wet Chemistry by Method 4500P E-2011	WG884821	1	06/30/16 13:02	06/30/16 13:02	MHM

9
Sc

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 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
Wet Chemistry by Method 351.2	WG886497	1	07/06/16 19:30	07/07/16 13:31	JER
Wet Chemistry by Method 353.2	WG885082	1	07/07/16 01:31	07/07/16 01:31	ASK
Wet Chemistry by Method 365.4	WG885646	1	07/05/16 08:42	07/05/16 18:10	DR
Wet Chemistry by Method 4500P E-2011	WG884835	1	06/30/16 15:26	06/30/16 15:26	MHM



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
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	17.5		2.50	1	07/06/2016 13:55	WG886218

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.459	B	0.250	1	07/06/2016 14:36	WG885449

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/07/2016 00:56	WG885082

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	07/05/2016 14:33	WG885448

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

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

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	13.2		2.50	1	07/06/2016 13:55	WG886218

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.482	B	0.250	1	07/06/2016 14:37	WG885449

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/07/2016 00:57	WG885082

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	07/05/2016 14:34	WG885448

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

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

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	20.3		2.50	1	07/06/2016 13:55	WG886218

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.618	<u>B</u>	0.250	1	07/06/2016 14:38	WG885449

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/07/2016 00:58	WG885082

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.245		0.100	1	07/05/2016 14:36	WG885448

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

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

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	67.2	J3	2.50	1	07/06/2016 13:55	WG886218

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.646		0.250	1	07/06/2016 14:39	WG885449

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/07/2016 00:59	WG885082

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	07/05/2016 17:45	WG885646

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

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

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	8.55		2.50	1	07/06/2016 13:55	WG886218

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.493	B	0.250	1	07/06/2016 14:40	WG885449

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:06	WG885082

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	07/05/2016 17:47	WG885646

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	0.0480		0.0250	1	06/30/2016 12:45	WG884821

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	15.0		2.50	1	07/06/2016 13:55	WG886218

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.488	B	0.250	1	07/06/2016 14:44	WG885449

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:07	WG885082

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	07/05/2016 17:49	WG885646

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

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

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	10.7		2.50	1	07/06/2016 13:55	WG886218

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	ND	P1	0.250	1	07/07/2016 13:07	WG886497

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:08	WG885082

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	07/05/2016 17:50	WG885646

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

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

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	15.3		2.50	1	07/06/2016 14:52	WG886219

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.366		0.250	1	07/07/2016 13:09	WG886497

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:09	WG885082

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	07/05/2016 17:51	WG885646

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

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

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	20.9		2.50	1	07/06/2016 14:52	WG886219

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.509		0.250	1	07/07/2016 13:10	WG886497

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND	J6	0.100	1	07/07/2016 01:10	WG885082

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	07/05/2016 17:55	WG885646

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

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

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	19.6		2.50	1	07/06/2016 14:52	WG886219

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.503	<u>J6</u>	0.250	1	07/07/2016 13:12	WG886497

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:12	WG885082

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	07/05/2016 17:56	WG885646

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

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

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	14.5		2.50	1	07/06/2016 14:52	WG886219

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	ND		0.250	1	07/07/2016 13:16	WG886497

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.804		0.100	1	07/07/2016 01:17	WG885082

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.705		0.100	1	07/05/2016 17:58	WG885646

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	0.598		0.0250	1	06/30/2016 12:54	WG884821

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	39.8		2.50	1	07/06/2016 14:52	WG886219

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.452		0.250	1	07/07/2016 13:18	WG886497

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:18	WG885082

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	07/05/2016 17:59	WG885646

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	06/30/2016 12:56	WG884821

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	10.9		2.50	1	07/06/2016 14:52	WG886219

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.347		0.250	1	07/07/2016 13:19	WG886497

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:19	WG885082

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	07/05/2016 18:00	WG885646

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

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

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	9.80		2.50	1	07/06/2016 14:52	WG886219

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.528		0.250	1	07/07/2016 13:20	WG886497

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:20	WG885082

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	07/05/2016 18:01	WG885646

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	06/30/2016 12:58	WG884821

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	6.00		2.50	1	07/06/2016 14:52	WG886219

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.648		0.250	1	07/07/2016 13:21	WG886497

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:22	WG885082

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.162		0.100	1	07/05/2016 18:03	WG885646

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

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

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	8.00		2.50	1	07/06/2016 14:52	WG886219

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.318		0.250	1	07/07/2016 13:22	WG886497

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:23	WG885082

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	07/05/2016 18:04	WG885646

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

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

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	12.0		2.50	1	07/06/2016 14:52	WG886219

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.375		0.250	1	07/07/2016 13:24	WG886497

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	07/07/2016 01:25	WG885082

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	07/05/2016 18:05	WG885646

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	0.0360		0.0250	1	06/30/2016 13:00	WG884821

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	8.00		2.50	1	07/06/2016 14:52	WG886219

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.288	<u>J6</u>	0.250	1	07/07/2016 13:27	WG886497

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.189		0.100	1	07/07/2016 01:30	WG885082

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	07/05/2016 18:09	WG885646

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

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

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	11.2		2.50	1	07/06/2016 14:52	WG886219

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.400		0.250	1	07/07/2016 13:31	WG886497

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND	J6	0.100	1	07/07/2016 01:31	WG885082

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	07/05/2016 18:10	WG885646

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

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

9 Sc



Method Blank (MB)

(MB) R3148060-1 07/06/16 13:55

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Suspended Solids	U		0.350	2.50

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(OS) L844276-02 07/06/16 13:55 • (DUP) R3148060-4 07/06/16 13:55

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	133	121	1	8.99	J3	5

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

(OS) L844361-04 07/06/16 13:55 • (DUP) R3148060-5 07/06/16 13:55

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	67.2	71.2	1	5.78	J3	5

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

(LCS) R3148060-2 07/06/16 13:55 • (LCSD) R3148060-3 07/06/16 13:55

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Suspended Solids	773	792	800	102	103	85.0-115			1.01	5



Method Blank (MB)

(MB) R3148061-1 07/06/16 14:52

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Suspended Solids	U		0.350	2.50

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(OS) L844375-01 07/06/16 14:52 • (DUP) R3148061-4 07/06/16 14:52

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	160	146	1	8.98	J3	5

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

(OS) L844383-02 07/06/16 14:52 • (DUP) R3148061-5 07/06/16 14:52

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
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 14:52 • (LCSD) R3148061-3 07/06/16 14:52

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Suspended Solids	773	800	800	103	103	85.0-115			0.000	5



Method Blank (MB)

(MB) R3147832-1 07/06/16 14:03

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Kjeldahl Nitrogen, TKN	0.0631	<u>BJ</u>	0.0350	0.250

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(OS) L844270-02 07/06/16 14:13 • (DUP) R3147832-4 07/06/16 14:14

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Kjeldahl Nitrogen, TKN	ND	ND	1	0.000		20

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

(OS) L844344-03 07/06/16 14:26 • (DUP) R3147832-7 07/06/16 14:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
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

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Kjeldahl Nitrogen, TKN	5.00	ND	4.38	4.22	85.0	82.0	1	90.0-110	<u>J6</u>	<u>J6</u>	4.00	20

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

(OS) L844344-05 07/06/16 14:32 • (MS) R3147832-8 07/06/16 14:33

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Kjeldahl Nitrogen, TKN	5.00	ND	4.16	81.0	1	90.0-110	<u>J6</u>



Method Blank (MB)

(MB) R3148134-1 07/07/16 13:02

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Kjeldahl Nitrogen, TKN	U		0.0350	0.250

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(OS) L844361-07 07/07/16 13:07 • (DUP) R3148134-4 07/07/16 13:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Kjeldahl Nitrogen, TKN	ND	0.461	1	171	P1	20

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

(OS) L844392-05 07/07/16 13:41 • (DUP) R3148134-8 07/07/16 13:43

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
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

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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) R3148134-5 07/07/16 13:13

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Kjeldahl Nitrogen, TKN	5.00	0.503	4.89	88.0	1	90.0-110	J6

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

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Kjeldahl Nitrogen, TKN	5.00	0.288	4.80	4.70	90.0	88.0	1	90.0-110	J6		2.00	20



Method Blank (MB)

(MB) R3147917-1 07/07/16 00:51

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Nitrate-Nitrite	U		0.0197	0.100

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

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

(OS) L844361-04 07/07/16 00:59 • (DUP) R3147917-4 07/07/16 01:05

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	ND	ND	1	0.000		20

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

(OS) L844361-14 07/07/16 01:20 • (DUP) R3147917-6 07/07/16 01:21

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	ND	ND	1	0.000		20

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

(LCS) R3147917-2 07/07/16 00:52 • (LCSD) R3147917-3 07/07/16 00:53

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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 01:10 • (MS) R3147917-5 07/07/16 01:11

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Nitrate-Nitrite	5.00	ND	4.26	84.0	1	90.0-110	J6

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

(OS) L844361-20 07/07/16 01:31 • (MS) R3147917-7 07/07/16 01:32 • (MSD) R3147917-8 07/07/16 01:33

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	5.00	ND	4.67	4.35	93.0	86.0	1	90.0-110	J6		7.00	20



Method Blank (MB)

(MB) R3147548-1 07/05/16 13:56

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphorus,Total	U		0.0350	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(OS) L844309-06 07/05/16 14:18 • (DUP) R3147548-6 07/05/16 14:19

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphorus,Total	ND	ND	1	0.000		20

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

(OS) L844309-08 07/05/16 14:25 • (DUP) R3147548-7 07/05/16 14:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphorus,Total	ND	ND	1	0.000		20

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

(LCS) R3147548-2 07/05/16 13:57 • (LCSD) R3147548-3 07/05/16 13:59

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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 14:11 • (MS) R3147548-4 07/05/16 14:13 • (MSD) R3147548-5 07/05/16 14:14

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphorus,Total	2.50	ND	2.13	2.12	85.0	85.0	1	90.0-110	J6	J6	0.000	20



Method Blank (MB)

(MB) R3147607-1 07/05/16 17:40

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphorus,Total	U		0.0350	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(OS) L844361-04 07/05/16 17:45 • (DUP) R3147607-4 07/05/16 17:46

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphorus,Total	ND	ND	1	0.000		20

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

(OS) L844392-02 07/05/16 18:18 • (DUP) R3147607-7 07/05/16 18:19

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphorus,Total	0.917	0.865	1	6.00		20

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

(LCS) R3147607-2 07/05/16 17:41 • (LCSD) R3147607-3 07/05/16 17:42

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphorus,Total	2.50	0.851	3.01	3.12	86.0	91.0	1	90.0-110	J6		4.00	20



Method Blank (MB)

(MB) R3146792-1 06/30/16 12:35

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphate,Ortho	U		0.00900	0.0250

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(OS) L844361-03 06/30/16 12:39 • (DUP) R3146792-4 06/30/16 12:39

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphate,Ortho	0.180	0.197	1	9.00		20

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

(OS) L844361-18 06/30/16 13:02 • (DUP) R3146792-7 06/30/16 13:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphate,Ortho	ND	ND	1	0.000		20

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

(LCS) R3146792-2 06/30/16 12:35 • (LCSD) R3146792-3 06/30/16 12:35

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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 12:39 • (MS) R3146792-5 06/30/16 12:41 • (MSD) R3146792-6 06/30/16 12:42

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphate,Ortho	0.500	0.180	0.679	0.684	100	101	1	80.0-120			1.00	20



Method Blank (MB)

(MB) R3146866-1 06/30/16 15:25

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphate,Ortho	U		0.00900	0.0250

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

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

(OS) L844361-20 06/30/16 15:26 • (DUP) R3146866-4 06/30/16 15:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphate,Ortho	ND	ND	1	0.000		20

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

(LCS) R3146866-2 06/30/16 15:25 • (LCSD) R3146866-3 06/30/16 15:25

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Phosphate,Ortho	0.750	0.769	0.752	103	100	85.0-115			2.00	20

⁷Gl

⁸Al

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

(OS) L844361-20 06/30/16 15:26 • (MS) R3146866-5 06/30/16 15:26 • (MSD) R3146866-6 06/30/16 15:27

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphate,Ortho	0.500	ND	0.487	0.480	94.0	92.0	1	80.0-120			1.00	20

⁹Sc



Abbreviations and Definitions

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
B	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.
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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



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.

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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
Connecticut	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
Iowa	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		

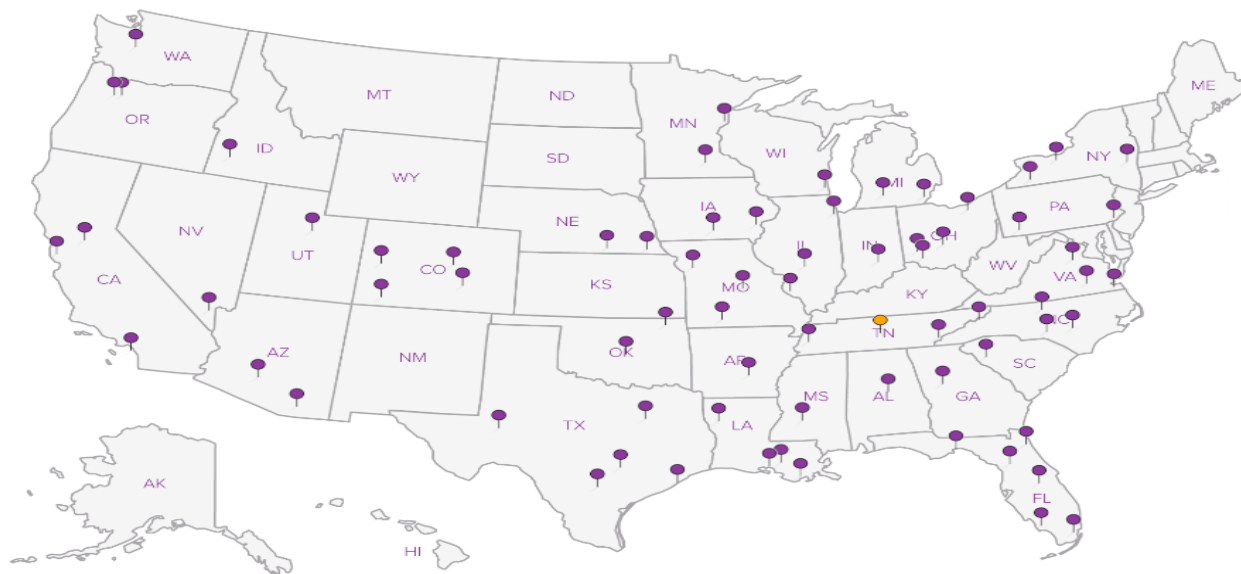
Third Party & Federal Accreditations

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.**



S&ME - Huntsville

360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Billing Information:

Accounts Payable
360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Report to:
Ms. Christa Collins

Email To: clcollins@smeinc.com

Project Description: **Godsden MS4**

City/State Collected: **Godsden, AL**

Phone: **256-837-8882**
Fax: **256-837-6931**

Client Project #
4482-15-010

Lab Project #
QOREHAL-COLLINS

Collected by (print):
E. Kennedy

Site/Facility ID #

P.O. #

Collected by (signature):
[Signature]
Immediately Packed on Ice N Y

Rush? (Lab MUST Be Notified)
 Same Day200%
 Next Day100%
 Two Day50%
 Three Day25%

Date Results Needed

Email? No Yes
FAX? No Yes

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PORTHO 250mlHDPE-NoPres	PT 250mlHDPE-H2SO4	TKN / NO2NO3 250mlHDPE-H2SO4	TSS 1L-HDPE NoPres
RC14	G	WW	5'	6/29/16	0945	4	X	X	X	X
SS5		WW			1030	4	X	X	X	X
SME1		WW			1112	4	X	X	X	X
GD9		WW			1122	4	X	X	X	X
GD7		WW			1131	4	X	X	X	X
GD5		WW			1433	4	X	X	X	X
GD3		WW			1455	4	X	X	X	X
SME3		WW			1447	4	X	X	X	X
HB3		WW			1345	4	X	X	X	X
SME5		WW			1200	4	X	X	X	X

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

Remarks:

6361 0196 4993

pH _____ Temp _____
Flow _____ Other _____

Hold #

Relinquished by: (Signature) <i>[Signature]</i>	Date: 6/29/16	Time: 1620	Received by: (Signature) FedEx	Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____	Condition: (lab use only) <i>[Signature]</i>
Relinquished by: (Signature) <i>[Signature]</i>	Date:	Time:	Received by: (Signature)	Temp: 3.4 °C Bottles Received: 76	COC Seal Intact: <input type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
Relinquished by: (Signature) <i>[Signature]</i>	Date:	Time:	Received for lab by: (Signature) <i>[Signature]</i>	Date: 6/30/16 Time: 0900	pH Checked: L2 NCF:

Analysis / Container / Preservative

Chain of Custody Page ___ of ___



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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



L# **18VU361**

E123

Acctnum: QOREHAL

Template: T84645

Prelogin: P549840

TSR: 034 - Craig Cothron

PB:

Shipped Via: **FedEx Ground**

Rem./Contaminant Sample # (lab only)

-01
02
03
04
05
06
07
08
09
10

Land

S&ME - Huntsville

360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Billing Information:

Accounts Payable
360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Report to:
Ms. Christa Collins

Email To: ccollins@smeinc.com

Project Description: **MS4**

City/State Collected: **Gadsden, AL**

Phone: **256-837-8882**
Fax: **256-837-6931**

Client Project #
4482-15-010

Lab Project #
QOREHAL-COLLINS

Collected by (print):
Lillie Pike

Site/Facility ID #

P.O. #

Collected by (signature):
Lillie Pike

Rush? (Lab MUST Be Notified)
 Same Day200%
 Next Day100%
 Two Day50%
 Three Day25%

Date Results Needed

Email? No Yes
 FAX? No Yes

No. of Cntrs

Immediately Packed on Ice N Y

Analysis / Container / Preservative

PORTHO 250mlHDPE-NoPres
 PT 250mlHDPE-H2SO4 C2
 TKN / NO2NO3 250mlHDPE-H2SO4 C2
 TSS 1L-HDPE NoPres

Chain of Custody Page ___ of ___



Y. O. M. R. & A. B. - O. F. C. H. O. I. C. E.

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



L #

Table #

Acctnum: **QOREHAL**

Template: **T106579**

Prelogin: **P542490**

TSR: **034 - Craig Cothron**

PB: **222-1660**

Shipped Via: **FedEX Ground**

Rem./Contaminant Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	PORTHO 250mlHDPE-NoPres	PT 250mlHDPE-H2SO4 C2	TKN / NO2NO3 250mlHDPE-H2SO4 C2	TSS 1L-HDPE NoPres									
AT 5	G	WW	0.5'	6/29/16	9:50AM	4	X	X	X	X									11
GD 8		WW	surface	6/29/16	10:20AM	4	X	X	X	X									12
RC 2		WW	0.5'	6/29/16	10:45AM	4	X	X	X	X									13
SS 13		WW	0.5'	6/29/16	11:15AM	4	X	X	X	X									14
SS 14		WW	0.5'	6/29/16	11:30AM	4	X	X	X	X									15
SME 4		WW	0.5'	6/29/16	1:30PM	4	X	X	X	X									16
GD 12		WW	0.5'	6/29/16	2:00PM	4	X	X	X	X									17
SME 2		WW	0.5'	6/29/16	1:00PM	4	X	X	X	X									18
GD 6	✓	WW	0.5'	6/29/16	3:00PM	4	X	X	X	X									19
CO 15	dn	WW		6/29/16		4	X	X	X	X									20

-20 ms

* Matrix: SS - Soil GW - Groundwater WW - Waste Water DW - Drinking Water OT - Other

Remarks:

6361 8190 9493

pH _____ Temp _____
 Flow _____ Other _____

Hold # _____

Relinquished by: (Signature)
Lillie Pike

Date: **6/29/16**
 Time: **4:20pm**

Received by: (Signature)
Fedex

Samples returned via: UPS
 FedEx Courier _____

Condition: _____ (lab use only)
 JW7

Relinquished by: (Signature)

Date: _____
 Time: _____

Received by: (Signature)

Temp: **3.4** °C Bottles Received: **76**

COC Seal Intact: Y N NA

(Signature)

Date: _____
 Time: _____

Received for lab by: (Signature)
Ford

Date: **6/30/16** Time: **0900**

pH Checked: **L2**
 NCF: _____

S&ME - Huntsville

360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Billing Information:
Accounts Payable
360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Report to:
Ms. Christa Collins

Email To: clcollins@smeinc.com

Project Description: **MS4**

City/State Collected:

Phone: **256-837-8882**
Fax: **256-837-6931**

Client Project #
4482-15-010

Lab Project #
QOREHAL-COLLINS

Collected by (print):

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)

Date Results Needed

Immediately Packed on Ice N ___ Y ___

___ Same Day200%
___ Next Day100%
___ Two Day50%
___ Three Day25%

Email? ___ No **X** Yes
FAX? ___ No ___ Yes

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PORTHO 250mlHDPE-NoPres	PT 250mlHDPE-H2SO4	TKN / NO2NO3 250mlHDPE-H2SO4	TSS 1L-HDPE NoPres	Analysis / Container / Preservative
CO14	<i>dry</i>	WW				4	X	X	X	X	
GD7		WW				4	X	X	X	X	

Chain of Custody Page ___ of ___

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Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L# **L8V4367**

Table #

Acctnum: **QOREHAL**
Template: **T106578**
Prelogin: **P542492**
TSR: **034 - Craig Cothron**
PB: *2-22-1660*

Shipped Via: **FedEX Ground**

Rem./Contaminant Sample # (lab only)

* Matrix: **SS** - Soil **GW** - Groundwater **WW** - WasteWater **DW** - Drinking Water **OT** - Other

Remarks: **6301 0196 9493** pH _____ Temp _____
Flow _____ Other _____ Hold # _____

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Samples returned via: <input type="checkbox"/> UPS	Condition: (lab use only) <i>a JW7</i>
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	<input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Temp: 3.4 °C Bottles Received: 26	
			Date: 6/30/16 Time: 0900	pH Checked: E	NCF: _____

**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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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.

Table 1-1 Responsible Official and Authorization Dates

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

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**.

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

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.

*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.

Table 3-1 Monitoring Point Coordinates

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

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:

Table 3-2 Sample Containers and Preservation

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

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:



Table 5-0 Storm Water Steering Committee

ENTITY	CONTACT	PHONE NO.	EMAIL
City of Gadsden	Jeremy 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	rmail@etowahcounty.org

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.

Emily J. Kennedy
Project Scientist

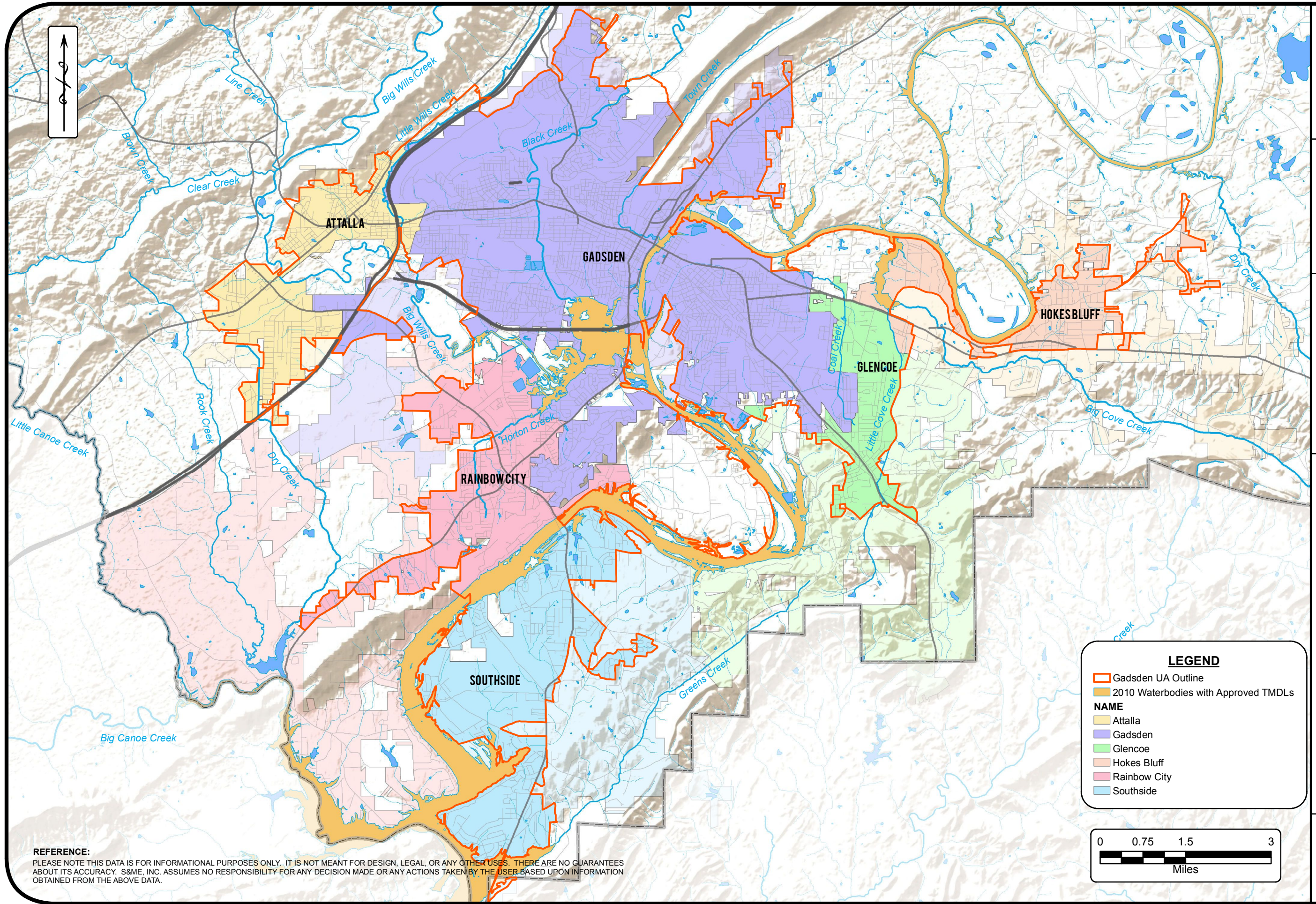
Deborah J. Jones, P.E.
Senior Engineer



Appendix A

Figure 1 – Gadsden, Alabama Urbanized Area

Figure 2 – MS4 Monitoring Locations Map



REFERENCE:
 PLEASE NOTE THIS DATA IS FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT MEANT FOR DESIGN, LEGAL, OR ANY OTHER USES. THERE ARE NO GUARANTEES ABOUT ITS ACCURACY. S&ME, INC. ASSUMES NO RESPONSIBILITY FOR ANY DECISION MADE OR ANY ACTIONS TAKEN BY THE USER BASED UPON INFORMATION OBTAINED FROM THE ABOVE DATA.

SCALE: 1:100,000	DATE: 3/10/14
PROJECT NO: 4482-14-021	DRAWN BY: SLY
NPDES NO: ALG040009	CHECKED BY: CRO

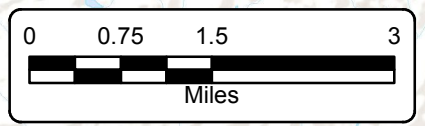
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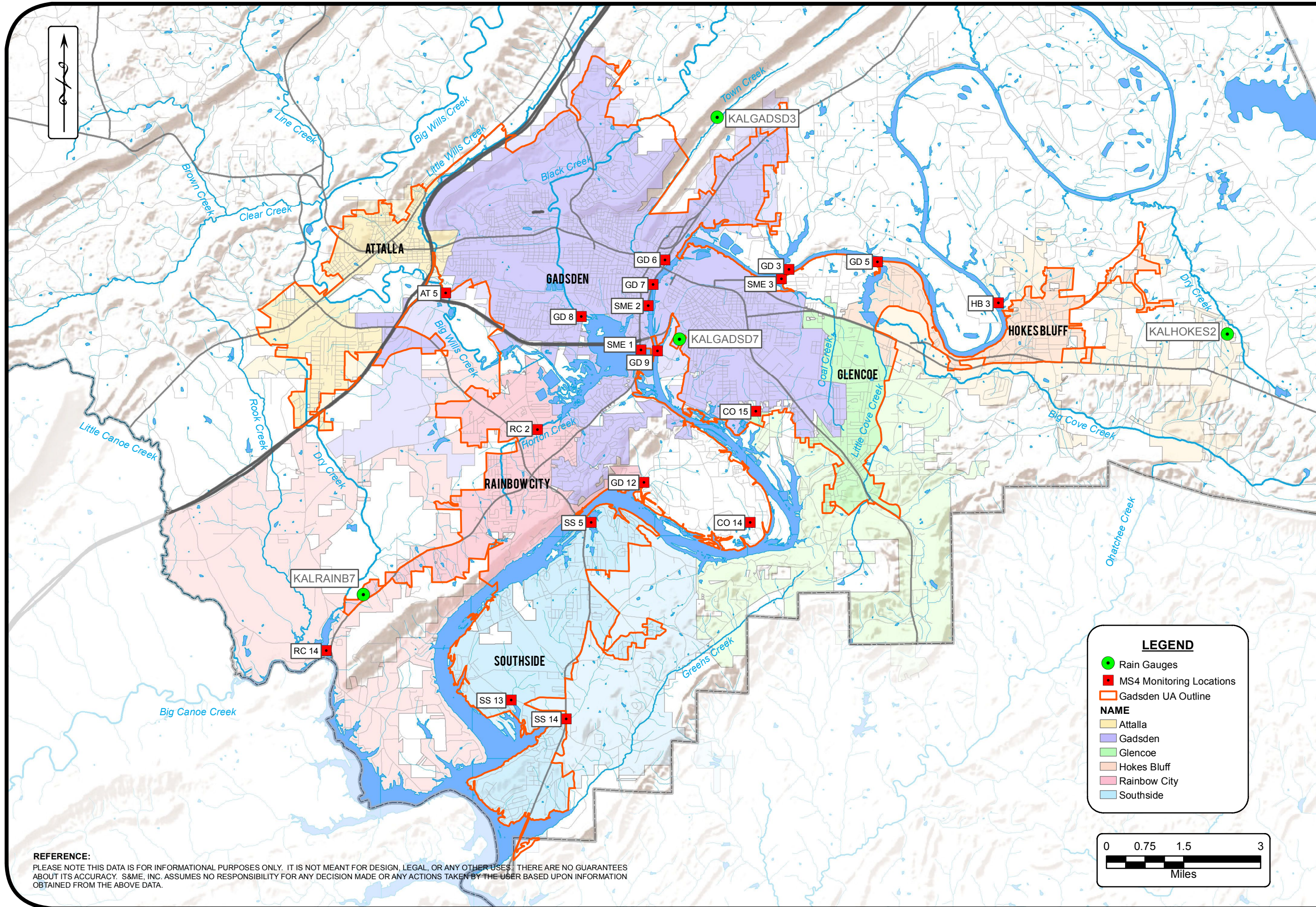
GADSDEN-ETOWAH MS4 BOUNDARIES
 GADSDEN ALABAMA URBANIZED AREA
 PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

FIGURE NO.
1

LEGEND

- Gadsden UA Outline
- 2010 Waterbodies with Approved TMDLs
- NAME**
- Attalla
- Gadsden
- Glencoe
- Hokes Bluff
- Rainbow City
- Southside





REFERENCE:
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MS4 MONITORING LOCATIONS
 GADSDEN ALABAMA URBANIZED AREA
 PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

FIGURE NO.
2



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

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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	DUPLICATE 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	DUPLICATE OF HB 3				<0.10	<0.025	<0.10	0.77	11.7

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled (Dry)

Bold - maximum reading for constituent

NA - not available at this time

* - unknown reading due to equipment malfunction

TABLE B.3 - ANALYTICAL DATA - AT 5**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.4 - ANALYTICAL DATA - GD 8**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.5 - ANALYTICAL DATA - RC 2**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.6 - ANALYTICAL DATA - SS 13**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.7 - ANALYTICAL DATA - SS 14**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.8 - ANALYTICAL DATA - GD 12**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.9 - ANALYTICAL DATA - CO 14

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.10 - ANALYTICAL DATA - SME 2**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.11 - ANALYTICAL DATA - GD 6**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.12 - ANALYTICAL DATA - CO 15

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.13 - ANALYTICAL DATA - RC 14**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.14 - ANALYTICAL DATA - SS 5**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.15 - ANALYTICAL DATA - SME 1**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.16 - ANALYTICAL DATA - GD 9

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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
 mg/L - milligrams per liter
 NS - Not Sampled

* - unknown reading due to equipment malfunction

TABLE B.17 - ANALYTICAL DATA - GD 7**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.18 - ANALYTICAL DATA - GD 5

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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
 mg/L - milligrams per liter
 NS - Not Sampled

* - unknown reading due to equipment malfunction

TABLE B.19 - ANALYTICAL DATA - GD 3**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.20 - ANALYTICAL DATA - SME 3

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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
 mg/L - milligrams per liter
 NS - Not Sampled

* - unknown reading due to equipment malfunction

TABLE B.21 - ANALYTICAL DATA - HB 3**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled



Appendix C

Laboratory Report No. L852190, dated August 16, 2016

S&ME - Huntsville

Sample Delivery Group: L852190
Samples Received: 08/10/2016
Project Number: 4482-15-043
Description: Gadsen MS4

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

Entire Report Reviewed By:



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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¹ Cp
² Tc
³ Ss
⁴ Cn
⁵ Sr
⁶ Qc
⁷ Gl
⁸ Al
⁹ Sc

SAMPLE SUMMARY



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 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	WG897912	1	08/11/16 18:51	08/12/16 15:20	JER
Wet Chemistry by Method 353.2	WG897681	1	08/13/16 16:46	08/13/16 16:46	ASK
Wet Chemistry by Method 365.4	WG897481	1	08/10/16 16:22	08/11/16 11:15	DR
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:14	08/10/16 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 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	WG897912	1	08/11/16 18:51	08/12/16 15:00	JER
Wet 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 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	WG897912	1	08/11/16 18:51	08/12/16 15:04	JER
Wet 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 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	WG897912	1	08/11/16 18:51	08/12/16 15:05	JER
Wet 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 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	WG897912	1	08/11/16 18:51	08/12/16 15:06	JER
Wet 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
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:17	08/10/16 13:17	JJL

SAMPLE SUMMARY



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 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	WG897912	1	08/11/16 18:51	08/12/16 15:08	JER
Wet Chemistry by Method 353.2	WG897681	1	08/13/16 16:56	08/13/16 16:56	ASK
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

1
Cp

2
Tc

3
Ss

4
Cn

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	JM
Wet Chemistry by Method 351.2	WG897912	1	08/11/16 18:51	08/12/16 15:09	JER
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

5
Sr

6
Qc

7
Gl

8
Al

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 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 09:55	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

9
Sc

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 L852190-10 WW

Collected by
Reece Lee Collected date/time
08/09/16 13:30 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 09:59	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
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:20	08/10/16 13:20	JJL

SAMPLE SUMMARY



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 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
Wet Chemistry by Method 351.2	WG898132	1	08/12/16 12:50	08/15/16 10:03	JER
Wet Chemistry by Method 353.2	WG897681	1	08/13/16 17:03	08/13/16 17:03	ASK
Wet Chemistry by Method 365.4	WG897508	1	08/11/16 11:47	08/12/16 08:17	DR
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:21	08/10/16 13:21	JJL

1
Cp

2
Tc

3
Ss

4
Cn

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 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
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
Wet 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

5
Sr

6
Qc

7
Gl

8
Al

RC2 L852190-13 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 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
Wet Chemistry by Method 351.2	WG898132	1	08/12/16 12:50	08/15/16 10:07	JER
Wet Chemistry by Method 353.2	WG897681	1	08/13/16 17:09	08/13/16 17:09	ASK
Wet Chemistry by Method 365.4	WG897508	1	08/11/16 11:47	08/12/16 08:19	DR
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:26	08/10/16 13:26	JJL

9
Sc

SS13 L852190-14 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 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
Wet Chemistry by Method 351.2	WG898132	1	08/12/16 12:50	08/15/16 10:09	JER
Wet Chemistry by Method 353.2	WG897681	1	08/13/16 17:10	08/13/16 17:10	ASK
Wet Chemistry by Method 365.4	WG897508	1	08/11/16 11:47	08/12/16 08:20	DR
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:26	08/10/16 13:26	JJL

SS14 L852190-15 WW

Collected by
Reece Lee Collected date/time
08/09/16 11:02 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	JM
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	WG897508	1	08/11/16 11:47	08/12/16 08:22	DR
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:27	08/10/16 13:27	JJL

SAMPLE SUMMARY



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	JM
Wet Chemistry by Method 351.2	WG898132	1	08/12/16 12:50	08/15/16 10:11	JER
Wet 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 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
Wet Chemistry by Method 351.2	WG898132	1	08/12/16 12:50	08/15/16 10:15	JER
Wet Chemistry by Method 353.2	WG897681	1	08/13/16 17:14	08/13/16 17:14	ASK
Wet Chemistry by Method 365.4	WG897910	1	08/11/16 18:50	08/12/16 09:24	DR
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:29	08/10/16 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

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	JM
Wet Chemistry by Method 351.2	WG898132	1	08/12/16 12:50	08/15/16 10:17	JER
Wet Chemistry by Method 353.2	WG897681	1	08/13/16 17:15	08/13/16 17:15	ASK
Wet Chemistry by Method 365.4	WG897910	1	08/11/16 18:50	08/12/16 09:25	DR
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:30	08/10/16 13:30	JJL



CO15 L852190-19 WW

Collected by
Reece Lee Collected date/time
08/09/16 13:26 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	JM
Wet Chemistry by Method 351.2	WG898132	1	08/12/16 12:50	08/15/16 10:18	JER
Wet Chemistry by Method 353.2	WG897681	1	08/13/16 17:21	08/13/16 17:21	ASK
Wet Chemistry by Method 365.4	WG897910	1	08/11/16 18:50	08/12/16 09:27	DR
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:31	08/10/16 13:31	JJL

SME4 L852190-20 WW

Collected by
Reece Lee Collected date/time
08/09/16 12:00 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	JM
Wet Chemistry by Method 351.2	WG898132	1	08/12/16 12:50	08/15/16 10:19	JER
Wet Chemistry by Method 353.2	WG897681	1	08/13/16 17:22	08/13/16 17:22	ASK
Wet Chemistry by Method 365.4	WG898138	1	08/12/16 12:52	08/13/16 19:09	ASK
Wet Chemistry by Method 4500P E-2011	WG897413	1	08/10/16 13:31	08/10/16 13:31	JJL



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



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	8.48		2.50	1	08/13/2016 02:27	WG898030

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.547	<u>B</u>	0.250	1	08/12/2016 15:20	WG897912

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	08/13/2016 16:46	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND	<u>J4</u>	0.100	1	08/11/2016 11:15	WG897481

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	08/10/2016 13:14	WG897413

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	12.6		2.50	1	08/13/2016 02:27	WG898030

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.464	<u>B</u>	0.250	1	08/12/2016 15:00	WG897912

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	08/13/2016 16:47	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND	<u>J4</u>	0.100	1	08/11/2016 11:17	WG897481

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	08/10/2016 13:15	WG897413

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	12.6		2.50	1	08/13/2016 02:27	WG898030

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	0.547	B	0.250	1	08/12/2016 15:04	WG897912

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	ND		0.100	1	08/13/2016 16:48	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphorus, Total	0.154		0.100	1	08/12/2016 09:21	WG897910

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphate, Ortho	0.0890		0.0250	1	08/10/2016 13:15	WG897413

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	9.44		2.50	1	08/13/2016 02:27	WG898030

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	0.468	<u>B</u>	0.250	1	08/12/2016 15:05	WG897912

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	ND		0.100	1	08/13/2016 16:49	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphorus, Total	ND	<u>J4</u>	0.100	1	08/11/2016 11:19	WG897481

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphate, Ortho	ND		0.0250	1	08/10/2016 13:17	WG897413

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	5.73		2.50	1	08/13/2016 02:27	WG898030

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	0.471	<u>B</u>	0.250	1	08/12/2016 15:06	WG897912

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	ND		0.100	1	08/13/2016 16:50	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphorus, Total	ND	<u>J4</u>	0.100	1	08/11/2016 11:20	WG897481

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphate, Ortho	ND		0.0250	1	08/10/2016 13:17	WG897413

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	11.0		2.50	1	08/13/2016 02:27	WG898030

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	0.412	B	0.250	1	08/12/2016 15:08	WG897912

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	ND		0.100	1	08/13/2016 16:56	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphorus, Total	ND		0.100	1	08/12/2016 08:04	WG897508

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphate, Ortho	ND		0.0250	1	08/10/2016 13:18	WG897413

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	10.0		2.50	1	08/13/2016 02:27	WG898030

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.393	B J6	0.250	1	08/12/2016 15:09	WG897912

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	08/13/2016 16:57	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	08/12/2016 08:06	WG897508

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	08/10/2016 13:18	WG897413

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	10.8		2.50	1	08/13/2016 02:27	WG898030

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.564	<u>B</u>	0.250	1	08/15/2016 09:55	WG898132

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	08/13/2016 16:58	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND	<u>J6</u>	0.100	1	08/12/2016 08:08	WG897508

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	08/10/2016 13:19	WG897413

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	14.3		2.50	1	08/13/2016 02:27	WG898030

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.703	B	0.250	1	08/15/2016 09:57	WG898132

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	08/13/2016 16:59	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	08/12/2016 08:14	WG897508

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	08/10/2016 13:19	WG897413

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	11.7		2.50	1	08/13/2016 02:27	WG898030

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	0.768	B	0.250	1	08/15/2016 09:59	WG898132

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	ND		0.100	1	08/13/2016 17:01	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphorus, Total	ND		0.100	1	08/12/2016 08:15	WG897508

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphate, Ortho	ND		0.0250	1	08/10/2016 13:20	WG897413

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	18.3		2.50	1	08/13/2016 04:22	WG898032

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.268	B	0.250	1	08/15/2016 10:03	WG898132

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.975		0.100	1	08/13/2016 17:03	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.502		0.100	1	08/12/2016 08:17	WG897508

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	0.482		0.0250	1	08/10/2016 13:21	WG897413

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	6.30		2.50	1	08/13/2016 04:22	WG898032

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	0.668	B J6	0.250	1	08/15/2016 10:04	WG898132

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	0.217		0.100	1	08/13/2016 17:08	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphorus, Total	ND		0.100	1	08/12/2016 08:18	WG897508

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphate, Ortho	ND		0.0250	1	08/10/2016 13:25	WG897413

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	9.90		2.50	1	08/13/2016 04:22	WG898032

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.454	B	0.250	1	08/15/2016 10:07	WG898132

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.140		0.100	1	08/13/2016 17:09	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	08/12/2016 08:19	WG897508

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	08/10/2016 13:26	WG897413

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	24.0		2.50	1	08/13/2016 04:22	WG898032

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.728	B	0.250	1	08/15/2016 10:09	WG898132

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	08/13/2016 17:10	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	08/12/2016 08:20	WG897508

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	08/10/2016 13:26	WG897413

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	12.7	J3	2.50	1	08/13/2016 04:22	WG898032

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.871		0.250	1	08/15/2016 10:10	WG898132

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.164	P1	0.100	1	08/13/2016 17:11	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.119		0.100	1	08/12/2016 08:22	WG897508

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	0.0620		0.0250	1	08/10/2016 13:27	WG897413

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	13.3		2.50	1	08/13/2016 04:22	WG898032

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.629	B	0.250	1	08/15/2016 10:11	WG898132

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	08/13/2016 17:13	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	08/12/2016 09:23	WG897910

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	08/10/2016 13:29	WG897413

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	8.16		2.50	1	08/13/2016 04:22	WG898032

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.585	B	0.250	1	08/15/2016 10:15	WG898132

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	08/13/2016 17:14	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	08/12/2016 09:24	WG897910

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	08/10/2016 13:29	WG897413

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	10.3		2.50	1	08/13/2016 04:22	WG898032

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	0.621	<u>B</u>	0.250	1	08/15/2016 10:17	WG898132

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	ND		0.100	1	08/13/2016 17:15	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphorus, Total	ND		0.100	1	08/12/2016 09:25	WG897910

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphate, Ortho	ND		0.0250	1	08/10/2016 13:30	WG897413

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	22.0		2.50	1	08/13/2016 04:22	WG898032

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	ND		0.250	1	08/15/2016 10:18	WG898132

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	ND		0.100	1	08/13/2016 17:21	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphorus, Total	ND		0.100	1	08/12/2016 09:27	WG897910

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphate, Ortho	ND		0.0250	1	08/10/2016 13:31	WG897413

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	18.3		2.50	1	08/13/2016 04:22	WG898032

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	0.271	<u>B</u>	0.250	1	08/15/2016 10:19	WG898132

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	0.965		0.100	1	08/13/2016 17:22	WG897681

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphorus, Total	0.494		0.100	1	08/13/2016 19:09	WG898138

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphate, Ortho	0.479		0.0250	1	08/10/2016 13:31	WG897413

9 Sc



Method Blank (MB)

(MB) R3156678-1 08/13/16 02:27

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Suspended Solids	U		0.350	2.50

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L852109-01 Original Sample (OS) • Duplicate (DUP)

(OS) L852109-01 08/13/16 02:27 • (DUP) R3156678-4 08/13/16 02:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	71.0	69.0	1	2.86		5

L852187-01 Original Sample (OS) • Duplicate (DUP)

(OS) L852187-01 08/13/16 02:27 • (DUP) R3156678-5 08/13/16 02:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	500	512	1	2.37		5

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

(LCS) R3156678-2 08/13/16 02:27 • (LCSD) R3156678-3 08/13/16 02:27

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Suspended Solids	773	788	784	102	101	85.0-115			0.509	5



Method Blank (MB)

(MB) R3156694-1 08/13/16 04:22

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Suspended Solids	U		0.350	2.50

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L852190-15 Original Sample (OS) • Duplicate (DUP)

(OS) L852190-15 08/13/16 04:22 • (DUP) R3156694-4 08/13/16 04:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	12.7	11.8	1	7.27	J3	5

L852235-01 Original Sample (OS) • Duplicate (DUP)

(OS) L852235-01 08/13/16 04:22 • (DUP) R3156694-5 08/13/16 04:22

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	512	470	1	8.55	J3	5

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

(LCS) R3156694-2 08/13/16 04:22 • (LCSD) R3156694-3 08/13/16 04:22

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Suspended Solids	773	768	792	99.4	102	85.0-115			3.08	5



Method Blank (MB)

(MB) R3156483-2 08/12/16 14:50

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Kjeldahl Nitrogen, TKN	0.203	J	0.0350	0.250

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L852118-01 Original Sample (OS) • Duplicate (DUP)

(OS) L852118-01 08/12/16 15:17 • (DUP) R3156483-7 08/12/16 15:18

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	0.771	0.352	1	75.0	P1	20

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

(LCS) R3156483-8 08/12/16 16:16 • (LCSD) R3156483-9 08/12/16 16:17

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
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 15:09 • (MS) R3156483-6 08/12/16 15:10

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Kjeldahl Nitrogen, TKN	5.00	0.393	4.84	89.0	1	90.0-110	J6



Method Blank (MB)

(MB) R3156769-1 08/15/16 09:48

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Kjeldahl Nitrogen, TKN	0.0808	J	0.0350	0.250

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L852190-09 Original Sample (OS) • Duplicate (DUP)

(OS) L852190-09 08/15/16 09:57 • (DUP) R3156769-4 08/15/16 09:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Kjeldahl Nitrogen, TKN	0.703	0.732	1	4.00		20

L852190-17 Original Sample (OS) • Duplicate (DUP)

(OS) L852190-17 08/15/16 10:15 • (DUP) R3156769-7 08/15/16 10:16

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
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 09:49 • (LCSD) R3156769-3 08/15/16 09:51

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
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 08/15/16 10:24 • (MS) R3156769-8 08/15/16 10:25

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Kjeldahl Nitrogen, TKN	5.00	1.03	4.27	65.0	1	90.0-110	J6



Method Blank (MB)

(MB) R3156595-1 08/13/16 16:42

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Nitrate-Nitrite	U		0.0197	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L852190-05 Original Sample (OS) • Duplicate (DUP)

(OS) L852190-05 08/13/16 16:50 • (DUP) R3156595-4 08/13/16 16:55

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	ND	ND	1	0.000		20

L852190-15 Original Sample (OS) • Duplicate (DUP)

(OS) L852190-15 08/13/16 17:11 • (DUP) R3156595-6 08/13/16 17:12

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	0.164	0.318	1	64.0	P1	20

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

(LCS) R3156595-2 08/13/16 16:43 • (LCSD) R3156595-3 08/13/16 16:44

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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) R3156595-5 08/13/16 17:02

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
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

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	5.00	0.965	6.07	6.04	102	102	1	90.0-110			0.000	20



Method Blank (MB)

(MB) R3156012-1 08/11/16 10:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phosphorus,Total	U		0.0350	0.100

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

(LCS) R3156012-2 08/11/16 10:47 • (LCSD) R3156012-3 08/11/16 10:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Phosphorus,Total	1.00	1.24	1.25	124	125	90.0-110	<u>J4</u>	<u>J4</u>	1.00	20

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc



Method Blank (MB)

(MB) R3156293-1 08/12/16 07:59

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphorus,Total	U		0.0350	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L852190-06 Original Sample (OS) • Duplicate (DUP)

(OS) L852190-06 08/12/16 08:04 • (DUP) R3156293-4 08/12/16 08:05

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphorus,Total	ND	ND	1	0.000		20

L852542-02 Original Sample (OS) • Duplicate (DUP)

(OS) L852542-02 08/12/16 08:24 • (DUP) R3156293-7 08/12/16 08:28

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
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 08:00 • (LCSD) R3156293-3 08/12/16 08:01

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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 08:08 • (MS) R3156293-5 08/12/16 08:09 • (MSD) R3156293-6 08/12/16 08:10

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphorus,Total	2.50	ND	2.36	2.21	91.0	85.0	1	90.0-110		<u>J6</u>	7.00	20



Method Blank (MB)

(MB) R3156310-1 08/12/16 08:52

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphorus,Total	U		0.0350	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L852115-03 Original Sample (OS) • Duplicate (DUP)

(OS) L852115-03 08/12/16 08:57 • (DUP) R3156310-4 08/12/16 08:58

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphorus,Total	0.523	0.528	1	1.00		20

L852280-03 Original Sample (OS) • Duplicate (DUP)

(OS) L852280-03 08/12/16 09:30 • (DUP) R3156310-7 08/12/16 09:32

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
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 08:53 • (LCSD) R3156310-3 08/12/16 08:55

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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 09:12 • (MS) R3156310-5 08/12/16 09:14 • (MSD) R3156310-6 08/12/16 09:15

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphorus,Total	2.50	2.38	4.55	4.59	87.0	88.0	1	90.0-110	J6	J6	1.00	20



Method Blank (MB)

(MB) R3156597-1 08/13/16 19:01

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphorus,Total	U		0.0350	0.100

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L852230-02 Original Sample (OS) • Duplicate (DUP)

(OS) L852230-02 08/13/16 19:18 • (DUP) R3156597-6 08/13/16 19:19

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphorus,Total	1.76	1.82	1	3.00		20

L852259-02 Original Sample (OS) • Duplicate (DUP)

(OS) L852259-02 08/13/16 19:30 • (DUP) R3156597-7 08/13/16 19:32

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
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 19:02 • (LCSD) R3156597-3 08/13/16 19:04

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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 19:10 • (MS) R3156597-4 08/13/16 19:11 • (MSD) R3156597-5 08/13/16 19:12

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphorus,Total	2.50	2.83	5.35	5.07	101	90.0	1	90.0-110	E	E	5.00	20



Method Blank (MB)

(MB) R3155708-1 08/10/16 13:12

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphate,Ortho	U		0.00900	0.0250

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L852190-10 Original Sample (OS) • Duplicate (DUP)

(OS) L852190-10 08/10/16 13:20 • (DUP) R3155708-4 08/10/16 13:20

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphate,Ortho	ND	ND	1	0.000		20

L852190-20 Original Sample (OS) • Duplicate (DUP)

(OS) L852190-20 08/10/16 13:31 • (DUP) R3155708-7 08/10/16 13:32

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphate,Ortho	0.479	0.499	1	4.00		20

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

(LCS) R3155708-2 08/10/16 13:12 • (LCSD) R3155708-3 08/10/16 13:12

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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 13:20 • (MS) R3155708-5 08/10/16 13:20 • (MSD) R3155708-6 08/10/16 13:21

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphate,Ortho	0.500	ND	0.531	0.528	106	106	1	80.0-120			1.00	20



Abbreviations and Definitions

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

B	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.

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc



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 * Not all certifications held by the laboratory are applicable to the results reported in the attached report.



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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
Connecticut	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
Iowa	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		

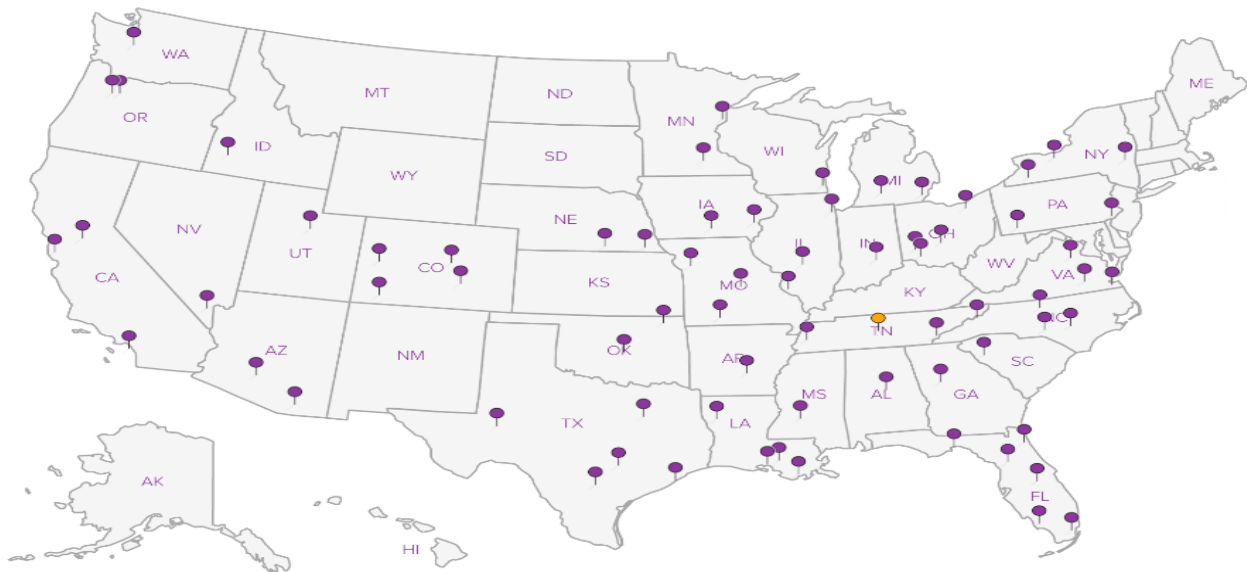
Third Party & Federal Accreditations

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.**



S&ME - Huntsville

360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Billing Information:

Accounts Payable
360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Email To: toverton@smeinc.com

Report to:
Mr. Travis Overton

Project *Gadsden M54*
Description:

City/State Collected: *Gadsden AL*

Phone: 256-837-8882
Fax: 256-837-6931

Client Project #
4482-15-043

Lab Project #
QOREHAL-448215043

Collected by (print):
Renee Lee

Site/Facility ID #

P.O. #

Collected by (signature):
Renee Lee

Rush? (Lab MUST Be Notified)

- Same Day200%
- Next Day100%
- Two Day50%
- Three Day25%

Date Results Needed

Email? No Yes

FAX? No Yes

Immediately
Packed on Ice N Y

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cntrs	PORTHO 250mlHDPE-NoPres	PT 250mlHDPE-H2SO4 <2	TKN / NO2NO3 250mlHDPE-H2SO4 <2	TSS 1L-HDPE NoPres											
RC14	G	WW	5'	8/9/14	9:50	4	X	X	X	X											01
SS5		WW			10:35	4	X	X	X	X											02
SME1		WW			11:10	4	X	X	X	X											03
GD9		WW			11:15	4	X	X	X	X											04
GD7		WW			11:20	4	X	X	X	X											05
GD5		WW			14:00	4	X	X	X	X											06
GD3		WW			14:10	4	X	X	X	X											07
SME3		WW			14:20	4	X	X	X	X											08
H133		WW			13:20	4	X	X	X	X											09
SME5		WW			13:30	4	X	X	X	X											10

Analysis / Container / Preservative

Chain of Custody Page ___ of ___



L.A.B S.C.I.E.N.C.E.S

YOUR LAB OF CHOICE

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



L# *852190*
H183

Acctnum: QOREHAL
Template: T114559
Prelogin: P563732
TSR: 034 - Craig Cothron
PB: *8-2-16*
Shipped Via: **FedEX Ground**

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks: *6903 4754 0134
6903 4754 0123
6903 4754 0112*

Relinquished by: (Signature) *Renee Lee* Date: *8/9/16* Time: *3:15 pm* Received by: (Signature) *FedEx*

Relinquished by: (Signature) Date: Time: Received by: (Signature)

Relinquished by: (Signature) Date: Time: Received for lab by: (Signature) *John B...*

Samples returned via: UPS FedEx Courier Other

Temp: *4.3* °C Bottles Received: *80*

Flow: Other:

Condition: (lab use only) *OK*

COC Seal Intact: Y N NA

pH Checked: *12* NCF:

S&ME - Huntsville
 360 D Quality Circle NW
 Suite 450
 Huntsville, AL 35806

Billing Information:
Accounts Payable
 360 D Quality Circle NW
 Suite 450
 Huntsville, AL 35806

Report to:
Mr. Travis Overton

Email To: **toverton@smeinc.com**

Project Description: **Gadsden MS4**
 City/State Collected: **Gadsden, AL**

Client Project #
4482-15-043

Lab Project #
QOREHAL-448215043

Collected by (print):
E. Kennedy

Site/Facility ID #

P.O. #

Collected by (signature):

Rush? (Lab MUST Be Notified)
 ___ Same Day200%
 ___ Next Day100%
 ___ Two Day50%
 ___ Three Day25%

Date Results Needed

Immediately Packed on Ice N ___ Y

Email? ___ No Yes
 FAX? ___ No ___ Yes

No. of Cntrs

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PORTHO 250mlHDPE-NoPres	PT 250mlHDPE-H2SO4 < 2	TKN / NO2NO3 250mlHDPE-H2SO4 < 2	TSS 1L-HDPE NoPres									
ATS	Grab	WW	3'	8/9/16	0925	4	X	X	X	X									11
GDS		WW	2'		1002	4	X	X	X	X									12
RC2		WW	3'		1028	4	X	X	X	X									13
SS13		WW	3'		1049	4	X	X	X	X									14
SS14		WW	1'		1102	4	X	X	X	X									15
GDI2		WW	2'		1120	4	X	X	X	X									16
CO14	DRY	WW	DRY		1354	4	X	X	X	X									17
SME2		WW	3'		1255	4	X	X	X	X									18
GDL6		WW	3'		1300	4	X	X	X	X									19
CO15	✓	WW	1'	✓	1326	4	X	X	X	X									19

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other
 Remarks: 6903 4754 0134
 6903 4754 0123
 6903 4754 0112

pH _____ Temp _____
 Flow _____ Other _____
 Hold # _____

Relinquished by: (Signature)
 Relinquished by: (Signature)
 Relinquished by: (Signature)

Date: 8/9/16
 Date: _____
 Date: _____

Received by: (Signature)
 Received by: (Signature)
 Received for lab by: (Signature)

Samples returned via: UPS
 FedEx Courier _____
 Temp: 3.2 °C Bottles Received: 80
 Date: 8/10/16 Time: 90

Condition: (lab use only)
 COC Seal Intact: Y N NA
 pH Checked: 22 NCF: _____

Chain of Custody Page ___ of ___



L.A.B S.C.I.E.N.C.E.S

YOUR LAB OF CHOICE

12065 Lebanon Rd
 Mount Juliet, TN 37122
 Phone: 615-758-5858
 Phone: 800-767-5859
 Fax: 615-758-5859



L # 852190
 Table # _____
 Acctnum: QOREHAL
 Template: T114559
 Prelogin: P563732
 TSR: 034 - Craig Cothron
 PB: 8-2-166
 Shipped Via: FedEX Ground
 Rem./Contaminant _____ Sample # (lab only) _____

S&ME - Huntsville 360 D Quality Circle NW Suite 450 Huntsville, AL 35806		Billing Information: Accounts Payable 360 D Quality Circle NW Suite 450 Huntsville, AL 35806		Analysis / Container / Preservative								Chain of Custody Page ___ of ___					
Report to: Mr. Travis Overton		Email To: toverton@smeinc.com		PORTHO 250mlHDPE-NoPres		PT 250mlHDPE-H2SO4		TKN / NO2NO3 250mlHDPE-H2SO4		TSS 1L-HDPE NoPres						12065 Lebanon Rd Mount Juliet, TN 37122 Phone: 615-758-5858 Phone: 800-767-5859 Fax: 615-758-5859	
Project Description: Gadsden MS4		City/State Collected: Gadsden, AL														Lab Project # QOREHAL-448215043	



YOUR LAB OF CHOICE

12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859



Phone: 256-837-8882 Fax: 256-837-6931	Client Project # 4482-15-043	Lab Project # QOREHAL-448215043														
Collected by (print): E. Kennedy	Site/Facility ID #	P.O. #														
Collected by (signature): <i>E. Kennedy</i>	Rush? (Lab MUST Be Notified) ___ Same Day200% ___ Next Day100% ___ Two Day50% ___ Three Day25%	Date Results Needed														
Immediately Packed on Ice N ___ Y X		Email? ___No X Yes FAX? ___No ___Yes	No. of Cntrs													
Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	PORTHO 250mlHDPE-NoPres	PT 250mlHDPE-H2SO4	TKN / NO2NO3 250mlHDPE-H2SO4	TSS 1L-HDPE NoPres						
SME4	Grab	WW	3'	8/9/16	1200	4	X	X	X	X						

Table #

Acctnum: **QOREHAL**
Template: **T114559**
Prelogin: **P563732**
TSR: **034 - Craig Cothron**
PB: **8-2-16**

Shipped Via: **FedEX Ground**

Rem./Contaminant	Sample # (lab only)
	20

* Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks: **6903 4754 0134** pH _____ Temp _____
6903 4754 0133 Flow _____ Other _____
6903 4754 0112

Hold #

Relinquished by: (Signature) <i>[Signature]</i>	Date: 8/9/16	Time:	Received by: (Signature) FedEx	Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____	Condition: (lab use only) W
Relinquished by: (Signature) <i>[Signature]</i>	Date:	Time:	Received by: (Signature) <i>[Signature]</i>	Temp: _____ °C Bottles Received: 32 80	COC Seal Intact: Y N NA
Relinquished by: (Signature) <i>[Signature]</i>	Date:	Time:	Received for lab by: (Signature) Caleb B...	Date: 8/10/16	Time: 9w



YOUR LAB OF CHOICE

Cooler Receipt Checklist

Client: QOREHAL SDG# 852140

Cooler Received/Opened On: 8-10-16 By Caleb Busby

Temperature Upon Receipt: 4.3-3.2 °C
Caleb Busby
(Signature)

Cooler Receipt Check List			Yes	No	N/A
Were custody seals on outside of cooler and intact?			X		
Were custody papers properly filled out (ink, signed, etc.)?			X		
Did all bottles arrive in good condition?			X		
Were correct bottles used for the analyses requested?			X		
Was sufficient amount of sample sent in each bottle?			X		
Were correct preservatives used?			X		
Were all applicable sample containers checked for preservation? (Any samples not in accepted pH range noted on COC.)					X
If applicable, was an observable VOA headspace present?					
Non Conformance Generated? (If yes see attached NCF)					



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800.767.5859 • 615.758.5858 • FAX 615.758.5859
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O+N+E L+A+B



**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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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. 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.

Table 1-1 Responsible Official and Authorization Dates

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

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.



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

1.2 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 (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 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**.

Table 2-1 December 5 and 6, 2016 Rainfall Data

GAUGE NAME	LOCATION	LAT.	LONG.	PRECIP 12/5	PRECIP 12/6
MD5866*	Rainbow City, AL	33.922°	-86.099°	N/A	N/A
KGAD	Gadsden Municipal Airport	33.973°	-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.

*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.

Table 3-1 Monitoring Point Coordinates

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



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



- 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:

Table 3-2 Sample Containers and Preservation

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

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:

Table 5-0 Storm Water Steering Committee

ENTITY	CONTACT	PHONE NO.	EMAIL
City of Gadsden	Jeremy 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

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.

Jesse J. Wheat
Staff Professional

Deborah J. Jones, P.E.
Senior Engineer

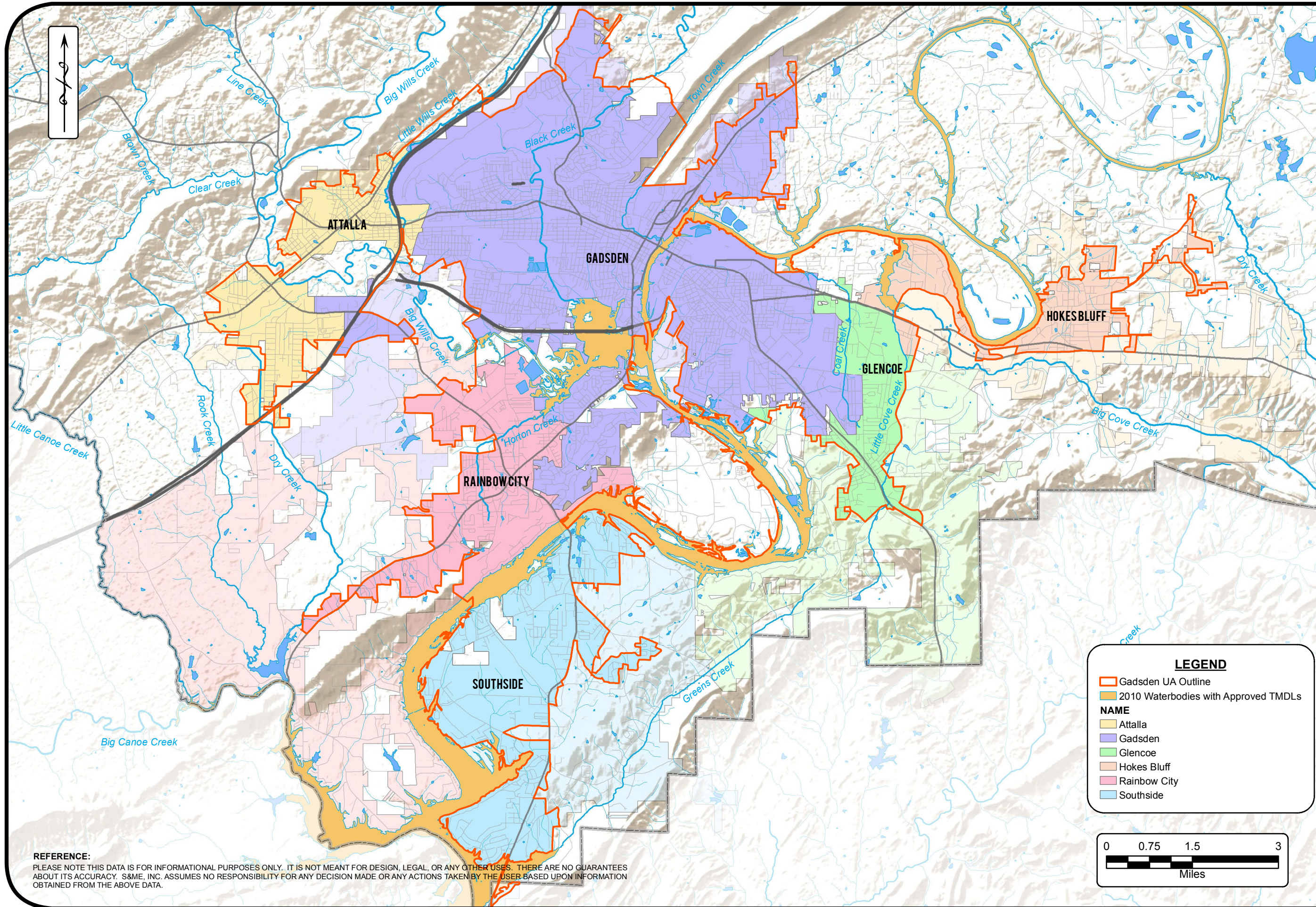
Christa C. Lyons
Project Manager



Appendix A

Figure 1 – Gadsden, Alabama Urbanized Area

Figure 2 – MS4 Monitoring Locations Map



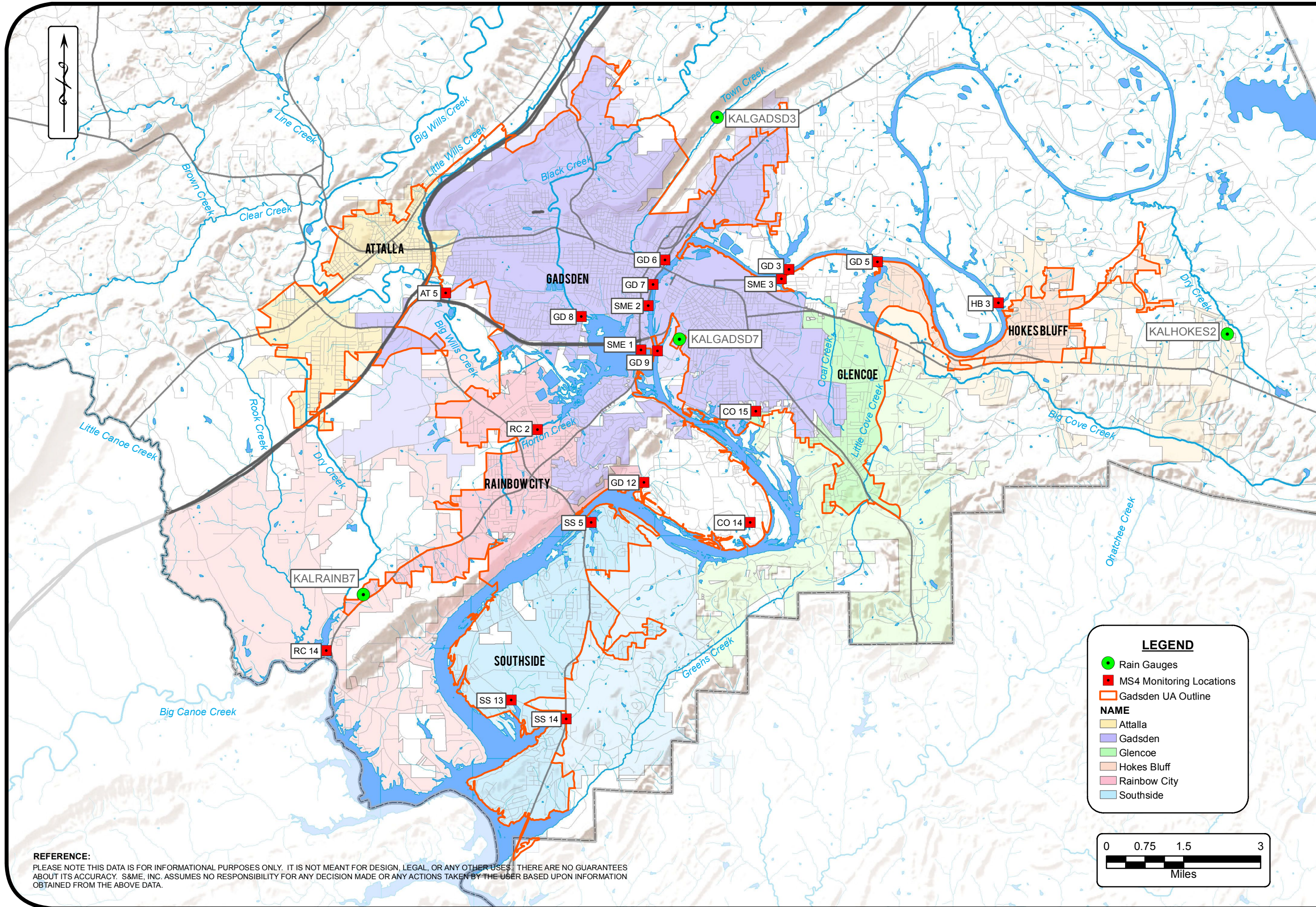
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SCALE: 1:100,000	DATE: 3/10/14
PROJECT NO: 4482-14-021	DRAWN BY: SLY
NPDES NO: ALG040009	CHECKED BY: CRO

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GADSDEN-ETOWAH MS4 BOUNDARIES
 GADSDEN ALABAMA URBANIZED AREA
 PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

FIGURE NO.
1



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DATE: 3/10/14
SCALE: 1:100,000
PROJECT NO: 4482-14-021
NPDES NO: ALG040009
DRAWN BY: SLY
CHECKED BY: CRO

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MS4 MONITORING LOCATIONS
 GADSDEN ALABAMA URBANIZED AREA
 PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

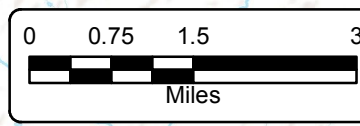
FIGURE NO.
2

LEGEND

- Rain Gauges
- MS4 Monitoring Locations
- Gadsden UA Outline

NAME

- Attalla
- Gadsden
- Glencoe
- Hokes Bluff
- Rainbow City
- Southside





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

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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	DUPLICATE 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	DUPLICATE OF HB 3				<0.10	<0.025	0.11	0.67	49.3

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled (Dry)

Bold - maximum reading for constituent

NA - not available at this time

* - unknown reading due to equipment malfunction

TABLE B.3 - ANALYTICAL DATA - AT 5**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.4 - ANALYTICAL DATA - GD 8**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.5 - ANALYTICAL DATA - RC 2**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.6 - ANALYTICAL DATA - SS 13**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.7 - ANALYTICAL DATA - SS 14**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.8 - ANALYTICAL DATA - GD 12**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.9 - ANALYTICAL DATA - CO 14

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.10 - ANALYTICAL DATA - SME 2

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.11 - ANALYTICAL DATA - GD 6**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.12 - ANALYTICAL DATA - CO 15

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.13 - ANALYTICAL DATA - RC 14

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.14 - ANALYTICAL DATA - SS 5

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.15 - ANALYTICAL DATA - SME 1

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.16 - ANALYTICAL DATA - GD 9**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.17 - ANALYTICAL DATA - GD 7**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.18 - ANALYTICAL DATA - GD 5**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.19 - ANALYTICAL DATA - GD 3**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.20 - ANALYTICAL DATA - SME 3

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.21 - ANALYTICAL DATA - HB 3**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled



Appendix C


Laboratory Report No. L877154, dated December 15, 2016
Laboratory Report No. L877168, dated December 15, 2016

S&ME - Huntsville

Sample Delivery Group: L877168
Samples Received: 12/08/2016
Project Number: 4482-15-043
Description: Gadsden MS4

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


Entire Report Reviewed By:



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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SAMPLE SUMMARY



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 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 11:14	JER
Wet Chemistry by Method 353.2	WG933987	1	12/12/16 10:17	12/12/16 10:17	DR
Wet Chemistry by Method 365.4	WG933506	1	12/09/16 11:48	12/12/16 16:27	DR
Wet Chemistry by Method 4500P E-2011	WG932338	1	12/08/16 15:44	12/08/16 15:44	MHM

1
Cp

2
Tc

3
Ss

4
Cn

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 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 11:18	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

5
Sr

6
Qc

7
Gl

8
Al

RC2 L877168-03 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 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 11:19	JER
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

9
Sc

SS13 L877168-04 WW

Collected by
E. Kennedy
Collected date/time
12/07/16 10:50
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 11:20	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

SS14 L877168-05 WW

Collected by
E. Kennedy
Collected date/time
12/07/16 11:00
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	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	JJL

SAMPLE SUMMARY



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	JM
Wet Chemistry by Method 351.2	WG935030	1	12/13/16 19:46	12/14/16 11:23	JER
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 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
Wet Chemistry by Method 351.2	WG935030	1	12/13/16 19:46	12/14/16 11:24	JER
Wet Chemistry by Method 353.2	WG933988	1	12/12/16 11:54	12/12/16 11:54	DR
Wet Chemistry by Method 365.4	WG933506	1	12/09/16 11:48	12/12/16 16:35	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 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
Wet Chemistry by Method 351.2	WG935030	1	12/13/16 19:46	12/14/16 11:25	JER
Wet 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 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
Wet Chemistry by Method 351.2	WG935030	1	12/13/16 19:46	12/14/16 11:28	JER
Wet 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
Wet Chemistry by Method 351.2	WG935030	1	12/13/16 19:46	12/14/16 11:33	JER
Wet 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
Wet Chemistry by Method 4500P E-2011	WG933570	1	12/09/16 07:11	12/09/16 07:11	JJL



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



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	16.9		2.50	1	12/14/2016 02:40	WG934898

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	ND		0.250	1	12/12/2016 11:14	WG933935

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.663		0.100	1	12/12/2016 10:17	WG933987

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.474	<u>B</u>	0.100	1	12/12/2016 16:27	WG933506

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	0.450		0.0250	1	12/08/2016 15:44	WG932338

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	7.00		2.50	1	12/14/2016 02:40	WG934898

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.409	B	0.250	1	12/12/2016 11:18	WG933935

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.308		0.100	1	12/12/2016 10:18	WG933987

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	12/12/2016 16:28	WG933506

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	12/09/2016 07:06	WG933570

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	11.9		2.50	1	12/14/2016 02:40	WG934898

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.532	<u>B</u>	0.250	1	12/12/2016 11:19	WG933935

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.200		0.100	1	12/12/2016 10:23	WG933987

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	12/12/2016 16:30	WG933506

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	12/09/2016 07:06	WG933570

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	3.60		2.50	1	12/14/2016 02:40	WG934898

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.453	B	0.250	1	12/12/2016 11:20	WG933935

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.108		0.100	1	12/12/2016 10:24	WG933987

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	12/12/2016 16:32	WG933506

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	12/09/2016 07:09	WG933570

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	ND		2.50	1	12/14/2016 02:40	WG934898

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.705	B	0.250	1	12/12/2016 11:23	WG933935

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.885		0.100	1	12/12/2016 11:51	WG933988

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.147	B	0.100	1	12/12/2016 16:33	WG933506

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	0.0780		0.0250	1	12/09/2016 07:09	WG933570

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	4.00		2.50	1	12/14/2016 03:11	WG934899

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	0.599		0.250	1	12/14/2016 11:23	WG935030

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	0.142		0.100	1	12/12/2016 11:52	WG933988

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphorus, Total	ND		0.100	1	12/12/2016 16:34	WG933506

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphate, Ortho	ND		0.0250	1	12/09/2016 07:10	WG933570

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	5.80		2.50	1	12/14/2016 03:11	WG934899

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.469		0.250	1	12/14/2016 11:24	WG935030

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	12/12/2016 11:54	WG933988

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.101	<u>B</u>	0.100	1	12/12/2016 16:35	WG933506

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	12/09/2016 07:10	WG933570

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	7.50		2.50	1	12/14/2016 03:11	WG934899

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	0.485	<u>J6</u>	0.250	1	12/14/2016 11:25	WG935030

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	0.365		0.100	1	12/12/2016 12:00	WG933988

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphorus, Total	ND		0.100	1	12/12/2016 16:53	WG933506

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphate, Ortho	ND		0.0250	1	12/09/2016 07:10	WG933570

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	14.8		2.50	1	12/14/2016 03:11	WG934899

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	0.665		0.250	1	12/14/2016 11:28	WG935030

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	ND		0.100	1	12/12/2016 12:01	WG933988

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphorus, Total	ND		0.100	1	12/12/2016 16:39	WG933506

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphate, Ortho	ND		0.0250	1	12/09/2016 07:11	WG933570

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	17.3		2.50	1	12/14/2016 03:11	WG934899

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	0.344		0.250	1	12/14/2016 11:33	WG935030

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	0.695		0.100	1	12/12/2016 12:02	WG933988

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphorus, Total	0.514	<u>B</u>	0.100	1	12/12/2016 16:41	WG933506

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphate, Ortho	0.446		0.0250	1	12/09/2016 07:11	WG933570

9 Sc



Method Blank (MB)

(MB) R3184733-1 12/14/16 02:40

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Suspended Solids	U		0.350	2.50

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

L877154-04 Original Sample (OS) • Duplicate (DUP)

(OS) L877154-04 12/14/16 02:40 • (DUP) R3184733-4 12/14/16 02:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	38.3	36.3	1	5.36	J3	5

7 Gl

8 Al

L877164-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877164-01 12/14/16 02:40 • (DUP) R3184733-5 12/14/16 02:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	35.0	36.5	1	4.20		5

9 Sc

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

(LCS) R3184733-2 12/14/16 02:40 • (LCSD) R3184733-3 12/14/16 02:40

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Suspended Solids	773	740	748	95.7	96.8	85.0-115			1.08	5



Method Blank (MB)

(MB) R3184730-1 12/14/16 03:11

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Suspended Solids	U		0.350	2.50

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L877168-06 Original Sample (OS) • Duplicate (DUP)

(OS) L877168-06 12/14/16 03:11 • (DUP) R3184730-4 12/14/16 03:11

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	4.00	4.00	1	0.000		5

L877357-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877357-01 12/14/16 03:11 • (DUP) R3184730-5 12/14/16 03:11

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
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 03:11 • (LCSD) R3184730-3 12/14/16 03:11

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Suspended Solids	773	728	744	94.2	96.2	85.0-115			2.17	5



Method Blank (MB)

(MB) R3183970-5 12/12/16 10:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Kjeldahl Nitrogen, TKN	0.0730	J	0.0350	0.250

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L877168-05 Original Sample (OS) • Duplicate (DUP)

(OS) L877168-05 12/12/16 11:23 • (DUP) R3183970-9 12/12/16 11:25

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
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 11:27 • (LCSD) R3183970-11 12/12/16 11:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
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) R3183970-6 12/12/16 11:00

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
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 11:14 • (MS) R3183970-7 12/12/16 11:15 • (MSD) R3183970-8 12/12/16 11:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	5.00	ND	4.63	4.62	93.0	92.0	1	90.0-110			0.000	20



Method Blank (MB)

(MB) R3184567-1 12/14/16 11:17

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Kjeldahl Nitrogen, TKN	U		0.0350	0.250

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L877168-09 Original Sample (OS) • Duplicate (DUP)

(OS) L877168-09 12/14/16 11:28 • (DUP) R3184567-5 12/14/16 11:31

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Kjeldahl Nitrogen, TKN	0.665	0.708	1	6.00		20

L877244-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877244-01 12/14/16 11:40 • (DUP) R3184567-6 12/14/16 11:41

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
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 11:18 • (LCSD) R3184567-3 12/14/16 11:19

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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 11:25 • (MS) R3184567-4 12/14/16 11:27

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
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 11:47 • (MS) R3184567-7 12/14/16 11:48 • (MSD) R3184567-8 12/14/16 11:49

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Kjeldahl Nitrogen, TKN	0.100	162	161	210	0.000	950	50	90.0-110	<u>V</u>	<u>J3 V</u>	26.0	20



Method Blank (MB)

(MB) R3184003-1 12/12/16 09:44

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Nitrate-Nitrite	U		0.0197	0.100

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L876823-01 Original Sample (OS) • Duplicate (DUP)

(OS) L876823-01 12/12/16 09:48 • (DUP) R3184003-4 12/12/16 09:49

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	0.168	0.142	1	17.0		20

L877154-06 Original Sample (OS) • Duplicate (DUP)

(OS) L877154-06 12/12/16 10:03 • (DUP) R3184003-6 12/12/16 10:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	ND	ND	1	0.000		20

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

(LCS) R3184003-2 12/12/16 09:45 • (LCSD) R3184003-3 12/12/16 09:46

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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) R3184003-5 12/12/16 09:52

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
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 10:12 • (MS) R3184003-7 12/12/16 10:13 • (MSD) R3184003-8 12/12/16 10:14

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	5.00	ND	5.25	4.90	103	96.0	1	90.0-110			7.00	20



Method Blank (MB)

(MB) R3184004-1 12/12/16 11:46

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Nitrate-Nitrite	U		0.0197	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L877168-06 Original Sample (OS) • Duplicate (DUP)

(OS) L877168-06 12/12/16 11:52 • (DUP) R3184004-4 12/12/16 11:53

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	0.142	0.116	1	20.0		20

L877217-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877217-01 12/12/16 12:03 • (DUP) R3184004-6 12/12/16 12:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
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 11:48 • (LCSD) R3184004-3 12/12/16 11:49

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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 11:54 • (MS) R3184004-5 12/12/16 11:55

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
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 12:19 • (MS) R3184004-7 12/12/16 12:20 • (MSD) R3184004-8 12/12/16 12:25

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	5.00	ND	4.90	4.87	98.0	97.0	1	90.0-110			1.00	20



Method Blank (MB)

(MB) R3184112-1 12/12/16 16:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phosphorus,Total	0.0550	J	0.0350	0.100

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L877168-02 Original Sample (OS) • Duplicate (DUP)

(OS) L877168-02 12/12/16 16:28 • (DUP) R3184112-6 12/12/16 16:29

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Phosphorus,Total	ND	ND	1	0.000		20

L877175-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877175-01 12/12/16 16:42 • (DUP) R3184112-7 12/12/16 16:43

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
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 16:11 • (LCSD) R3184112-3 12/12/16 16:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
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 16:19 • (MS) R3184112-4 12/12/16 16:20 • (MSD) R3184112-5 12/12/16 16:21

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Phosphorus,Total	2.50	3.37	5.51	5.68	86.0	92.0	1	90.0-110	E J6	E	3.00	20



Method Blank (MB)

(MB) R3183395-1 12/08/16 15:27

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphate,Ortho	U		0.00900	0.0250

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L877116-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877116-01 12/08/16 15:36 • (DUP) R3183395-4 12/08/16 15:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphate,Ortho	0.102	0.0990	1	3.00		20

L877168-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877168-01 12/08/16 15:44 • (DUP) R3183395-7 12/08/16 15:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
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 15:27 • (LCSD) R3183395-3 12/08/16 15:27

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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 15:36 • (MS) R3183395-5 12/08/16 15:38 • (MSD) R3183395-6 12/08/16 15:38

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphate,Ortho	0.500	0.102	0.464	0.462	72.0	72.0	1	80.0-120	J6	J6	0.000	20



Method Blank (MB)

(MB) R3183577-1 12/09/16 07:04

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphate,Ortho	U		0.00900	0.0250

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L877168-03 Original Sample (OS) • Duplicate (DUP)

(OS) L877168-03 12/09/16 07:06 • (DUP) R3183577-4 12/09/16 07:08

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphate,Ortho	ND	ND	1	0.000		20

L877176-03 Original Sample (OS) • Duplicate (DUP)

(OS) L877176-03 12/09/16 07:13 • (DUP) R3183577-7 12/09/16 07:15

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
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

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphate,Ortho	0.500	ND	0.542	0.542	105	105	1	80.0-120			0.000	20



Abbreviations and Definitions

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

B	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.

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc



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
Connecticut	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
Iowa	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		

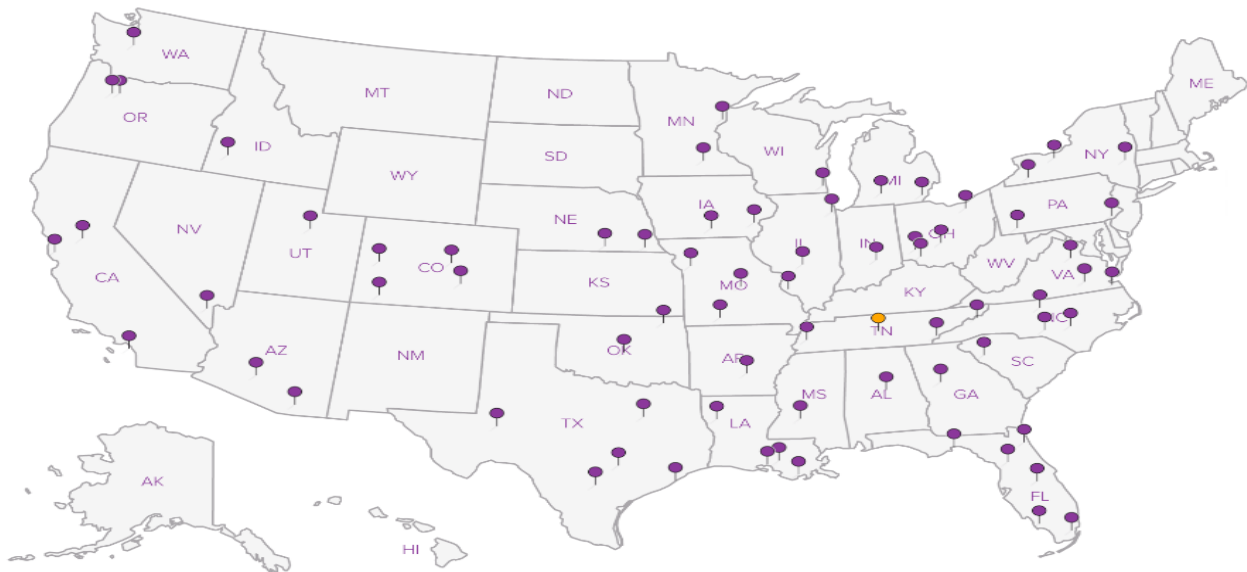
Third Party & Federal Accreditations

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.**



S&ME - Huntsville

360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Billing Information & Quote Number:

Accounts Payable
360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Report to:
Mr. Travis Overton

Email To: toverton@ameba.com

Project Description: **Gradsden MS4**

City/State Collected: **Gradsden, AL**

Phone: 256-837-8882
Fax: 256-837-6931

Client Project #
4482-15-043

Lab Project #
QOREHAL-448215043

Collected by (print):
E. Kennedy

Site/Facility ID #

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST be Notified)

Same Day _____ 100%
Next Day _____ 100%
Two Day _____ 50%
Three Day _____ 25%

When Results Needed

Email? ___ No ___ Yes
FAX? ___ No ___ Yes

Immediate
Packed on ice: N ___ Y ___

Sample ID	Sample/Grab	Matrix *	Depth	Date	Time	Qty	Analysis / Container / Preservation								
							PORTNO 250mlHCPE-NoPres	PT 250mlHDPE-H2SO4	TCN / NO2/NO3 250mlHDPE-H2SO4	TSS 1L-HOPE NoPres					
ATS	Grab	WW	3'	12-7-16	0955	4	X	X	X	X					
GD8		WW	3'		1009	4	X	X	X	X					01
RC2		WW	3'		1030	4	X	X	X	X					02
SS13		WW	3'		1050	4	X	X	X	X					03
SS14		WW	3'		1100	4	X	X	X	X					04
GD12		WW	3'		1111	4	X	X	X	X					05
CO14 *DRY*		WW	DRY		1120	4	X	X	X	X					06
SME2		WW	3'		1136	4	X	X	X	X					07
GD6		WW	3'		1300	4	X	X	X	X					08
CO15	↓	WW	1'	✓	1400	4	X	X	X	X					09

* Matrix: SS - Soil GW - Groundwater WW - Wastewater DW - Drinking Water OT - Other

Remarks:

7064 848 1901
3594.5X97

Relinquished by (Signature): <i>[Signature]</i>	Date: 12-7-16	Time: 11:30	Received by (Signature): <i>[Signature]</i>	Samples returned via: <input type="checkbox"/> UPS <input checked="" type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____	Condition: (Lab Use Only) 69 <i>[initials]</i>
Relinquished by (Signature): <i>[Signature]</i>	Date:	Time:	Received by (Signature): <i>[Signature]</i>	Temp: 7.1 °C Bottom Received: 4.0	COC Seal Intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/> NA
Relinquished by (Signature): <i>[Signature]</i>	Date:	Time:	Received for Lab Use (Signature): <i>[Signature]</i>	Date: 12-8-16 Time: 9:00	Lab Charges: _____

Chain of Custody Page ___ of ___



LAB SCIENTIFIC

15000 Highway 64
Montreal, QC H3T 2L2
Phone: 514-754-0800
Phone: 800-767-0800
Fax: 514-754-0800



87766

D196

Account: QOREHAL
Telephone: T114559
Fragment: P570958
Lab: 034 - Greg Carlson
Date: 12-10-5-16
Shipped Via: FedEx Ground

S&ME - Huntsville

360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Billing Information & Quote Number:

Accounts Payable
360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Report to:
Mr. Travis Overton

Email to: travis@smelab.com

Project Description: Grantsden MS4

City/State Collected: Grantsden AL

Phone: 256-837-8882
Fax: 256-837-6931

Client Project #
4482-15-043

Lab Project #
QOREHAL-448215043

Collected by (print):
E. Kennedy

Site/Facility ID #

P.O. #

Collected by (signature):
[Signature]

Ready? (Lab MUST be notified)

Date Results Needed

Same Day _____ 200%
Next Day _____ 100%
Two Day _____ 10%
Three Day _____ 25%

Email ___ No ___ Yes
FAX? ___ No ___ Yes

Immediate

Packed on ice

Sample ID

Comp/Grab

Matrix *

Depth

Date

Time

No. of Cntrs

SME 4

Grab

WW

3'

12-7-16

1200

4

PORTHO 250mlHDPE-NoPres

PT 250mlHDPE-H2504

TKM / NO2ND3 250mlHDPE-H2504

TSS 2L-HDPE-NoPres

Chain of Custody Page ___ of ___

256-837-8882
360 D Quality Circle NW
Suite 450
Huntsville, AL 35806
Fax: 256-837-6931

8/1/16

Table #

Account: QOREHAL
Sample: T114555
Project: P570958
Tel: 884 - Craig Cochran
By: JG 10-5-16

Shipped via: FedEx Ground

Res./Container Sample # Lab only

* Matrix: SL - Soil GW - Groundwater WW - Wastewater DW - Drinking Water OT - Other

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Relinquished by (Signature): [Signature]
Relinquished by (Signature): [Signature]
Relinquished by (Signature): [Signature]

Date: 12-7-16
Time: 16:30

Date: _____
Time: _____

Received by (Signature): [Signature]
Received by (Signature): [Signature]
Received by (Signature): [Signature]

Samples returned via: UPS
 FedEx Courier _____

Temp: _____ °C Bottom Receiver
Date: 12-8-16 Time: 9:00

Field # _____
Condition: OK (Lab Use Only)

CDC Seal Intact: Y N NA
PT LTR002 SCJ



Cooler Receipt Form


Client:	<i>Goebel</i>	SDG#	<i>877166</i>		
Cooler Received/Opened On:	<i>12/5/2016</i>	Temperature Upon Receipt:	<i>3.1 °C</i>		
Received By: <i>Timisha Scott</i>					
Signature: <i>[Handwritten Signature]</i>					
Receipt Check List			Yes	No	N/A
Were custody seals on outside of cooler and intact?			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were custody papers properly filled out?			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Did all bottles arrive in good condition?			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were correct bottles used for the analyses requested?			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was sufficient amount of sample sent in each bottle?			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Were all applicable sample containers correctly preserved and checked for preservation? (Any not in accepted range noted on COC)			<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
If applicable, was an observable VOA headspace present?			<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Non Conformance Generated. (If yes see attached NCF)			<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

S&ME - Huntsville

Sample Delivery Group: L877154
Samples Received: 12/08/2016
Project Number: 4482-16-059
Description: Gadsden MS4

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

Entire Report Reviewed By:



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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SAMPLE SUMMARY



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	JM
Wet Chemistry by Method 351.2	WG933935	1	12/10/16 08:30	12/12/16 12:35	JER
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 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	JM
Wet Chemistry by Method 351.2	WG933935	1	12/10/16 08:30	12/12/16 10:58	JER
Wet Chemistry by Method 353.2	WG933603	1	12/09/16 12:00	12/09/16 12:00	DR
Wet Chemistry by Method 365.4	WG933505	1	12/09/16 11:48	12/12/16 14:14	DR
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 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	JM
Wet 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
Wet 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 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 11:02	JER
Wet 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
Wet 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
Wet 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
Wet Chemistry by Method 4500P E-2011	WG932338	1	12/08/16 15:42	12/08/16 15:42	MHM

SAMPLE SUMMARY



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 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 11:04	JER
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 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 11:06	JER
Wet Chemistry by Method 353.2	WG933987	1	12/12/16 10:05	12/12/16 10:05	DR
Wet Chemistry by Method 365.4	WG933505	1	12/09/16 11:48	12/12/16 14:28	DR
Wet Chemistry by Method 4500P E-2011	WG932338	1	12/08/16 15:43	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 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 11:26	JER
Wet 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
Wet 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 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 11:08	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
Wet Chemistry by Method 4500P E-2011	WG932338	1	12/08/16 15:44	12/08/16 15:44	MHM



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



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	8.60		2.50	1	12/14/2016 00:03	WG934561

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.252	B	0.250	1	12/12/2016 12:35	WG933935

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	12/09/2016 11:58	WG933603

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	12/12/2016 14:13	WG933505

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	12/08/2016 15:39	WG932338

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	8.00		2.50	1	12/14/2016 00:03	WG934561

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.419	<u>B J6</u>	0.250	1	12/12/2016 10:58	WG933935

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	12/09/2016 12:00	WG933603

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.116	<u>B</u>	0.100	1	12/12/2016 14:14	WG933505

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	12/08/2016 15:39	WG932338

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	17.7		2.50	1	12/14/2016 00:03	WG934561

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.378	<u>B</u>	0.250	1	12/12/2016 11:01	WG933935

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.413		0.100	1	12/09/2016 12:06	WG933603

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.271	<u>B</u>	0.100	1	12/12/2016 14:15	WG933505

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	0.209		0.0250	1	12/08/2016 15:40	WG932338

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	38.3	<u>J3</u>	2.50	1	12/14/2016 02:40	WG934898

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.378	<u>B</u>	0.250	1	12/12/2016 11:02	WG933935

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	12/09/2016 12:07	WG933603

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.130	<u>B</u>	0.100	1	12/12/2016 14:17	WG933505

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	12/08/2016 15:42	WG932338

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	7.75		2.50	1	12/14/2016 02:40	WG934898

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.355	<u>B</u>	0.250	1	12/12/2016 11:03	WG933935

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	12/12/2016 10:02	WG933987

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND	<u>J6</u>	0.100	1	12/12/2016 14:18	WG933505

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	12/08/2016 15:42	WG932338

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	6.80		2.50	1	12/14/2016 02:40	WG934898

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	0.337	B	0.250	1	12/12/2016 11:04	WG933935

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	ND		0.100	1	12/12/2016 10:03	WG933987

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphorus, Total	ND		0.100	1	12/12/2016 14:26	WG933505

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphate, Ortho	ND		0.0250	1	12/08/2016 15:43	WG932338

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	8.13		2.50	1	12/14/2016 02:40	WG934898

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.356	B	0.250	1	12/12/2016 11:06	WG933935

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	12/12/2016 10:05	WG933987

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	12/12/2016 14:28	WG933505

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	12/08/2016 15:43	WG932338

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	9.38		2.50	1	12/14/2016 02:40	WG934898

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	1.78		0.250	1	12/12/2016 11:26	WG933935

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	12/12/2016 10:10	WG933987

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.147	<u>B</u>	0.100	1	12/12/2016 14:30	WG933505

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	12/08/2016 15:43	WG932338

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	17.0		2.50	1	12/14/2016 02:40	WG934898

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.730		0.250	1	12/12/2016 11:08	WG933935

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.111		0.100	1	12/12/2016 10:11	WG933987

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.126	<u>B</u>	0.100	1	12/12/2016 14:31	WG933505

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	12/08/2016 15:44	WG932338

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	49.3		2.50	1	12/14/2016 02:40	WG934898

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.668	B	0.250	1	12/12/2016 11:12	WG933935

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	ND		0.100	1	12/12/2016 10:12	WG933987

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.107	B	0.100	1	12/12/2016 14:32	WG933505

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	12/08/2016 15:44	WG932338

9 Sc



Method Blank (MB)

(MB) R3184734-1 12/14/16 00:03

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Suspended Solids	U		0.350	2.50

1 Cp

2 Tc

3 Ss

L877132-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877132-01 12/14/16 00:03 • (DUP) R3184734-4 12/14/16 00:03

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	177	177	1	0.000		5

4 Cn

5 Sr

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

(LCS) R3184734-2 12/14/16 00:03 • (LCSD) R3184734-3 12/14/16 00:03

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Suspended Solids	773	800	772	103	99.9	85.0-115			3.56	5

6 Qc

7 Gl

8 Al

9 Sc



Method Blank (MB)

(MB) R3184733-1 12/14/16 02:40

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Suspended Solids	U		0.350	2.50

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L877154-04 Original Sample (OS) • Duplicate (DUP)

(OS) L877154-04 12/14/16 02:40 • (DUP) R3184733-4 12/14/16 02:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Suspended Solids	38.3	36.3	1	5.36	J3	5

L877164-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877164-01 12/14/16 02:40 • (DUP) R3184733-5 12/14/16 02:40

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
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 12/14/16 02:40

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Suspended Solids	773	740	748	95.7	96.8	85.0-115			1.08	5



Method Blank (MB)

(MB) R3183970-5 12/12/16 10:44

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Kjeldahl Nitrogen, TKN	0.0730	J	0.0350	0.250

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

L877168-05 Original Sample (OS) • Duplicate (DUP)

(OS) L877168-05 12/12/16 11:23 • (DUP) R3183970-9 12/12/16 11:25

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
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 11:27 • (LCSD) R3183970-11 12/12/16 11:28

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	23.6	21.8	21.4	92.0	91.0	90.0-110			2.00	20

7 Gl

8 Al

L877154-02 Original Sample (OS) • Matrix Spike (MS)

(OS) L877154-02 12/12/16 10:58 • (MS) R3183970-6 12/12/16 11:00

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Kjeldahl Nitrogen, TKN	5.00	0.419	4.78	87.0	1	90.0-110	J6

9 Sc

L877168-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L877168-01 12/12/16 11:14 • (MS) R3183970-7 12/12/16 11:15 • (MSD) R3183970-8 12/12/16 11:16

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	5.00	ND	4.63	4.62	93.0	92.0	1	90.0-110			0.000	20



Method Blank (MB)

(MB) R3183724-1 12/09/16 11:39

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Nitrate-Nitrite	U		0.0197	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L877024-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877024-01 12/09/16 11:44 • (DUP) R3183724-4 12/09/16 11:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	0.162	0.141	1	14.0		20

L877154-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877154-01 12/09/16 11:58 • (DUP) R3183724-6 12/09/16 11:59

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	ND	ND	1	0.000		20

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

(LCS) R3183724-2 12/09/16 11:40 • (LCSD) R3183724-3 12/09/16 11:41

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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) R3183724-5 12/09/16 11:48

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
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 12:10 • (MS) R3183724-7 12/09/16 12:11 • (MSD) R3183724-8 12/09/16 12:12

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	5.00	0.341	5.02	4.93	94.0	92.0	1	90.0-110			2.00	20



Method Blank (MB)

(MB) R3184003-1 12/12/16 09:44

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Nitrate-Nitrite	U		0.0197	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L876823-01 Original Sample (OS) • Duplicate (DUP)

(OS) L876823-01 12/12/16 09:48 • (DUP) R3184003-4 12/12/16 09:49

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	0.168	0.142	1	17.0		20

L877154-06 Original Sample (OS) • Duplicate (DUP)

(OS) L877154-06 12/12/16 10:03 • (DUP) R3184003-6 12/12/16 10:04

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Nitrate-Nitrite	ND	ND	1	0.000		20

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

(LCS) R3184003-2 12/12/16 09:45 • (LCSD) R3184003-3 12/12/16 09:46

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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) R3184003-5 12/12/16 09:52

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
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 10:12 • (MS) R3184003-7 12/12/16 10:13 • (MSD) R3184003-8 12/12/16 10:14

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	5.00	ND	5.25	4.90	103	96.0	1	90.0-110			7.00	20



Method Blank (MB)

(MB) R3184052-2 12/12/16 13:54

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphorus,Total	0.0392	J	0.0350	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L877005-02 Original Sample (OS) • Duplicate (DUP)

(OS) L877005-02 12/12/16 13:59 • (DUP) R3184052-4 12/12/16 14:00

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphorus,Total	0.279	0.218	1	25.0	P1	20

L877154-06 Original Sample (OS) • Duplicate (DUP)

(OS) L877154-06 12/12/16 14:26 • (DUP) R3184052-8 12/12/16 14:27

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphorus,Total	ND	ND	1	0.000		20

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

(LCS) R3184052-3 12/12/16 13:55 • (LCSD) R3184052-7 12/12/16 14:24

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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 14:18 • (MS) R3184052-5 12/12/16 14:19 • (MSD) R3184052-6 12/12/16 14:23

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphorus,Total	2.50	ND	2.27	2.25	88.0	87.0	1	90.0-110	J6	J6	1.00	20



Method Blank (MB)

(MB) R3183395-1 12/08/16 15:27

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphate,Ortho	U		0.00900	0.0250

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

L877116-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877116-01 12/08/16 15:36 • (DUP) R3183395-4 12/08/16 15:36

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphate,Ortho	0.102	0.0990	1	3.00		20

L877168-01 Original Sample (OS) • Duplicate (DUP)

(OS) L877168-01 12/08/16 15:44 • (DUP) R3183395-7 12/08/16 15:45

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphate,Ortho	0.450	0.446	1	1.00		20

7 Gl

8 Al

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

(LCS) R3183395-2 12/08/16 15:27 • (LCSD) R3183395-3 12/08/16 15:27

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Phosphate,Ortho	0.750	0.686	0.681	91.0	91.0	85.0-115			1.00	20

9 Sc

L877116-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L877116-01 12/08/16 15:36 • (MS) R3183395-5 12/08/16 15:38 • (MSD) R3183395-6 12/08/16 15:38

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphate,Ortho	0.500	0.102	0.464	0.462	72.0	72.0	1	80.0-120	J6	J6	0.000	20



Abbreviations and Definitions

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
B	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.
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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



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 * Not all certifications held by the laboratory are applicable to the results reported in the attached report.

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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
Connecticut	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
Iowa	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		

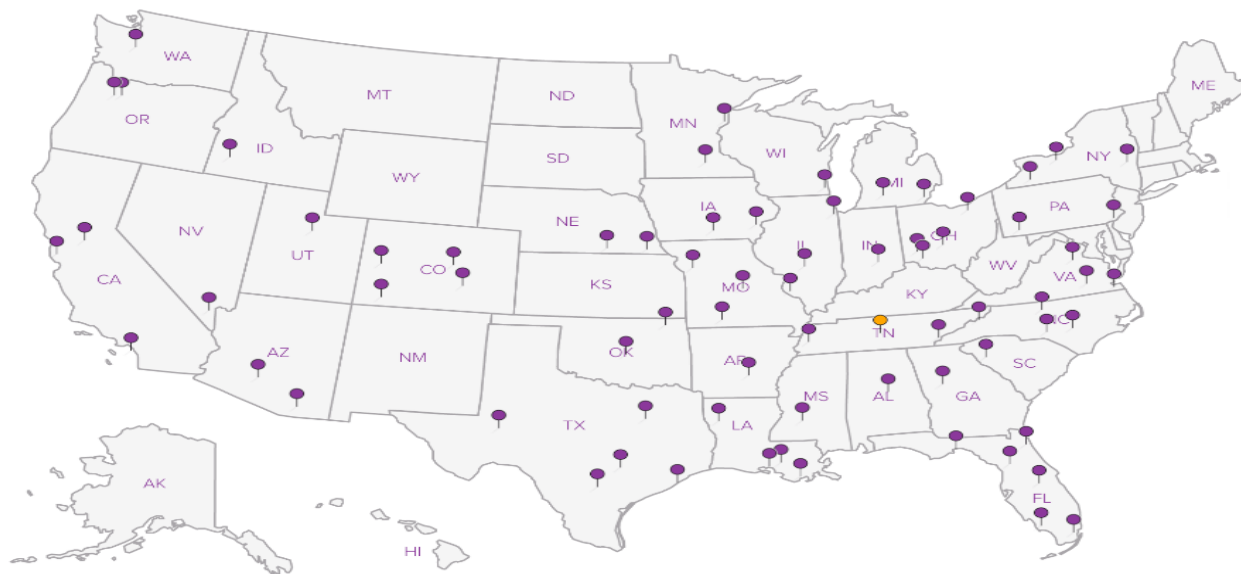
Third Party & Federal Accreditations

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.**



S&ME - Huntsville

360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Billing Information & Quote Number:

Accounts Payable
360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Email To: lover@ssmeme.com

Report for:
Mr. Travis Overton

Project Description: **Gadsden MS4**

City/State Collected: **Gadsden AL**

Phone: 256-837-8882
Fax: 256-837-8931

Client Project #
**4482-95-043-
448216059**

Lab Project #
QOREHAL-448215043

Collected by (print):
Jesse Wheat

Site/Facility ID #

P.O. #

Collected by (signature):
Jesse Wheat

Rush? (Lab MUST be notified)

Data Results Needed

Immediately
Packed on ice

Same Day _____ 300%
 Next Day _____ 100%
 Two Day _____ 50%
 Three Day _____ 25%

EMAIL? No Yes
FAX? No Yes

No. of
Drills

Sample ID	Core/Grab	Matrix *	Depth	Date	Time	Drills	POPTH0 250mHDPE-NoPres	PT 250mHDPE-H2504	TKW / NO2NO3 250mHDPE-H2504	TSS 1L-HOPE NoPres									
RG14	Grab	WW	5'	12/7/16	0945	4	X	X	X	X									01
SS5		WW			1055	4	X	X	X	X									02
SAE1		WW			1110	4	X	X	X	X									03
G09		WW			1120	4	X	X	X	X									04
G07		WW			1130	4	X	X	X	X									05
G05		WW			1410	4	X	X	X	X									06
G03		WW			1420	4	X	X	X	X									07
SME3		WW			1430	4	X	X	X	X									08
H03		WW			1530	4	X	X	X	X									09
SAE5		WW			1340	4	X	X	X	X									10

* Matrix: SB - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Relinquished by: (Signature) *Jesse Wheat*
Date: 12/7/16
Time: 1630

Date: 12/7/16
Time: 1630

Received by (Signature) *[Signature]*
Date: 12-8-16
Time: 9:00

Samples returned via: UPS
 FedEx Courier _____
Temp: _____ °C
33 40
Date: 12-8-16
Time: 9:00

Condition: (See page 010)
COC Seal Intact: Y N
pH Checked: NO

Analysis / Container / Preservative

Chain of Custody Page 3 of 3



LAB SERVICES

2200 Columbia Rd
Mount Laurel, NJ 08054
Phone: 856-778-0800
Phone: 856-770-0000
Fax: 856-778-0800

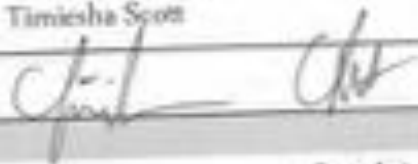


* L877154
D197
Account: QOREHAL
Template: T114553
Protocol: P570958
Tsk: 036 - Craig Collier
PR: 76 12-5-16
Shipped via: FedEx Ground

TKW 3000 F&E 3901-3300
1247



Cooler Receipt Form

Client:	GOREHAL	SDG#	2B77164
Cooler Received/Opened On:	12/ 8 /2016	Temperature Upon Receipt:	3.1 °C
Received By:	Timiesha Scott		
Signature:			
Receipt Check List			
Were custody seals on outside of cooler and intact?	<input checked="" type="checkbox"/>	No	N/A
Were custody papers properly filled out?	<input checked="" type="checkbox"/>		
Did all bottles arrive in good condition?	<input checked="" type="checkbox"/>		
Were correct bottles used for the analyses requested?	<input checked="" type="checkbox"/>		
Was sufficient amount of sample sent in each bottle?	<input checked="" type="checkbox"/>		
Were all applicable sample containers correctly preserved and checked for preservation? (Any not in accepted range noted on COC)	<input checked="" type="checkbox"/>		
If applicable, was an observable VOA headspace present?			<input checked="" type="checkbox"/>
Non Conformance Generated. (If yes see attached NCF)			



YOUR LAB OF CHOICE
 12065 Lebanon Rd
 Mount Juliet, TN 37122
 Phone: 615-758-5858
 Phone: 800-767-5859
 Fax: 615-758-5859

L# _____
 Table # _____
 Acct # : **QOREHAL**
 Telephone: **T114559**
 Prelogin: **P570958**
034 - Craig Cothron
 PB _____
 Shipped Via: **FedEX Ground**
 Rem./Contaminant _____ Sample # (lab only) _____

Analysis / Container / Preservative

Billing Information & Quote Number:

Accounts Payable
 360 D Quality Circle NW
 Suite 450
 Huntsville, AL 35806

Email To: toverton@smeinc.com

City/State Collected: *Goodson*

Lab Project #
QOREHAL-448215043

P.O. #

Date Results Needed

Email? No Yes
 FAX? No Yes

Rush? (Lab MUST Be Notified)
 Same Day200%
 Next Day50%
 Two Day50%
 Three Day25%

No. of ntrs

4

Date **12-7-16** Time **12:00**

Comp/Grab **Grab** Matrix* **WW** Depth **3'**

Sample ID **SME4**

PORTHO 250mlHDPE NoPres **X**

PT 250mlHDPE-H2SO4 **X**

TKN / NOZNO3 250 mlHDPE H2SO4 **X**

TSS 1L-HDPE NoPres **X**

Matrix: 55 - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other _____

Remarks:

pH _____ Temp _____

Flow _____ Other _____

Samples returned via: UPS FedEx Courier

Temp: _____ °C Bottles Received.

Date: _____ Time: _____

Received by: [Signature]

Received by: [Sig]

Received for lab by: [Signature]

Relinquished by: [Signature]

Relinquished by: [Sig]

Relinquished by: [Signature]

Hold #

Cond _____ (lab use only)

COC Sea Intact: _____ N _____ NA

pH Checked: _____ NCF: _____

S&ME - Huntsville
 360 D Quality Circle NW
 Suite 450
 Huntsville, AL 35806

Report to:
Mr. Travis Overton

Client Project #
4482-15-043

Site/Facility ID #

Collected by [Signature]
 Rush? [Lab MUST Be Notified]
 Same Day200%
 Next Day100%
 Two Day50%
 Three Day25%

Sample ID

Comp/Grab

Matrix *

Date

No. of

ntrs

Date Results Needed
 Email? ___ No ___ Yes
 FAX? ___ No ___ Yes

City/State Collected: *Gretna AL*
 Lab Project #
QOREHAL-448215043

Billing Information & Quote Number.

Accounts Payable
 360 D Quality Circle NW
 Suite 450
 Huntsville, AL 35806

Email To: toverton@smeinc.com

Analysis / Container / Preservative

Invo: QOREHAL-4482150 Date : 05Oct16
 Customer : P570958 Weight : 10 LBS
 Phone : (615)758-5858 COD :
 Sat Del : N DV :
 0.00
 Shipping : 0.00
 Special : 0.00
 Handling : 0.00
 Total : 0.00
 Svc: STANDARD OVERNIGHT
 TRACK 7066 81 3897

Invo: QOREHAL-4482150 Date : 05Oct16
 Customer : P570958 Weight : 10 LBS
 Phone : (615)758-5858 COD :
 Sat Del : N DV :
 0.00
 Shipping : 0.00
 Special : 0.00
 Handling : 0.00
 Total : 0.00
 Svc: STANDARD OVERNIGHT
 TRACK 7066 8118 886

Chain of Custody Page ___ of ___



ES&C
 A.B. S.C.I.E.N.C.E.S.
 FOUR LABS OF CHOICE
 2065 Lebanon Rd
 Mount Juliet, TN 37122
 Phone: 615-758-5858
 Fax: 615-758-5859

Table #
 Account # **QOREHAL**
 Title # **T114559**
 Prelogin: **P570958**
 Shipper: **FedEX Ground**
 Rem./Contaminant Sample # (lab only)

Sample ID	Comp/Grab	Matrix *	Depth	Date	No. of ntrs	PORTHO 250mHDPPE-NOPRES	PT 250mHDPPE-H2504	TKN / NO2NO3 250mHDPPE-H2504	TSS 1L-HDPE NOPRES
ATG	Grab	WW	3'	12-7-16	4	X	X	X	X
ETX		WW	3'	1001	4	X	X	X	X
EC2		WW	3'	1030	4	X	X	X	X
SS13		WW	3'	1050	4	X	X	X	X
SS14		WW	3'	1109	4	X	X	X	X
ETD12		WW	3'	1111	4	X	X	X	X
CO14 & DR14		WW	DR	1120	4	X	X	X	X
SAE2		WW	3'	1180	4	X	X	X	X
ETX		WW	3'	1300	4	X	X	X	X
CO15		WW	1'	1400	4	X	X	X	X

Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

Relinquished by: [Signature]

Date:

Time:

Received by: [Signature]

Date:

Time:

Relinquished by: [Signature]

Date:

Time:

Received by: [Signature]

Date:

Time:

Relinquished by: [Signature]

Date:

Time:

Received for lab by: [Signature]

Date:

Time:

Hold #

pH Temp

Flow Other

Condition:

Samples returned via: UPS FedEx Courier

Temp: °C Bottles Received:

(lab use only)

COC Sea Intact: Y N NA

pH Checked: NCF:

S&ME - Huntsville

360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Report to:
Mr. Travis Overton

Project Description:
Cricket MS4

Client Project #
~~4482-15-043~~
48216059

Site/Facility ID #

Collected by (print): *Jesse Wheat*
Collected by (signature): *Jesse Wheat*
Immediately
Packed on ice N Y

Rush? (Lab MUST Be Notified)
Same Day200%
Next Day100%
Two Day50%
Three Day25%

Date Results Needed

Email? No Yes
FAX? No Yes

Billing Information & Quote Number:

Accounts Payable
360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Email To: toverton@smeinc.com

City/State Collected: *Cadville AL*

Lab Project #
QOREHAL-448215043

P.O. #

Analysis Container / Preservative



12065 Lebanon Rd
Mount Juliet, TN 37122
Phone: 615-758-5858
Phone: 800-767-5859
Fax: 615-758-5859

L#
T#
Acct#um: QOREHAL
Template: T114559
Prelogin: P570958
TSR: 034 - Craig Cothron
PB:
Shipped Via: FedEx Ground
Rem./Contaminant Sample # (lab only)

Invo: QOREHAL-4482150 Date: 050c116
Customer: P570958 Weight: 10 LBS
Phone: (615)758-5858 COD
Sat Del: N
Shipping: 0.00
Handling: 0.00
To: 0.00
Sves: STANDARD OVERNIGHT
TRACK: 7066 8118 3901

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Intrs
<i>RG14</i>	<i>6-2</i>	WW	<i>5'</i>	<i>12/7/16</i>	<i>0945</i>	4
<i>SS5</i>		WW		<i>1055</i>		4
<i>SAE1</i>	<i>1</i>	WW		<i>1110</i>		4
<i>G09</i>		WW		<i>1120</i>		4
<i>G07</i>		WW		<i>1130</i>		4
<i>G05</i>		WW		<i>1410</i>		4
<i>G13</i>		WW		<i>1420</i>		4
<i>SME3</i>		WW		<i>1450</i>		4
<i>11B3</i>		WW		<i>1330</i>		4
<i>SME5</i>		WW		<i>1370</i>		4

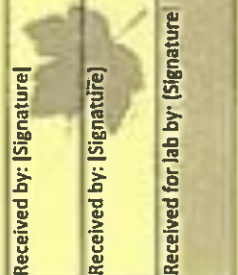
Matrix: SS - Soil GW - Groundwater WW - WasteWater DW - Drinking Water OT - Other

Remarks:

pH _____ Temp _____

Ho # _____
Condition (lab use only)
COC Sea Intact: Y N NA
pH _____
NCF

Relinquished by (Signature)	Date:	Time:	Received by (Signature)	Date:	Time:
<i>[Signature]</i>	<i>12/7/16</i>	<i>1630</i>	<i>[Signature]</i>		
<i>[Signature]</i>			<i>[Signature]</i>		
<i>[Signature]</i>			<i>[Signature]</i>		



**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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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. 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.

Table 1-1 Responsible Official and Authorization Dates

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

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.

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

1.2 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**.

Table 2-1 February 27 and March 1, 2017 Rainfall Data

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.

*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.

Table 3-1 Monitoring Point Coordinates

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



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:

Table 3-2 Sample Containers and Preservation

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

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:

Table 5-0 Storm Water Steering Committee

ENTITY	CONTACT	PHONE NO.	EMAIL
City of Gadsden	Jeremy 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

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

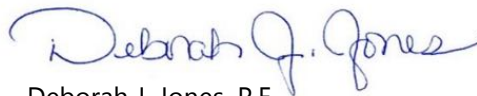
S&ME, Inc. certifies that the information provided in this monitoring report reflects the conditions reported, encountered, and discovered at the time of report preparation. When performing this scope of services, S&ME, Inc., observed the degree of care and skill generally exercised by other consultants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



Emily J. Kennedy
Staff Professional



Deborah J. Jones, P.E.
Senior Engineer



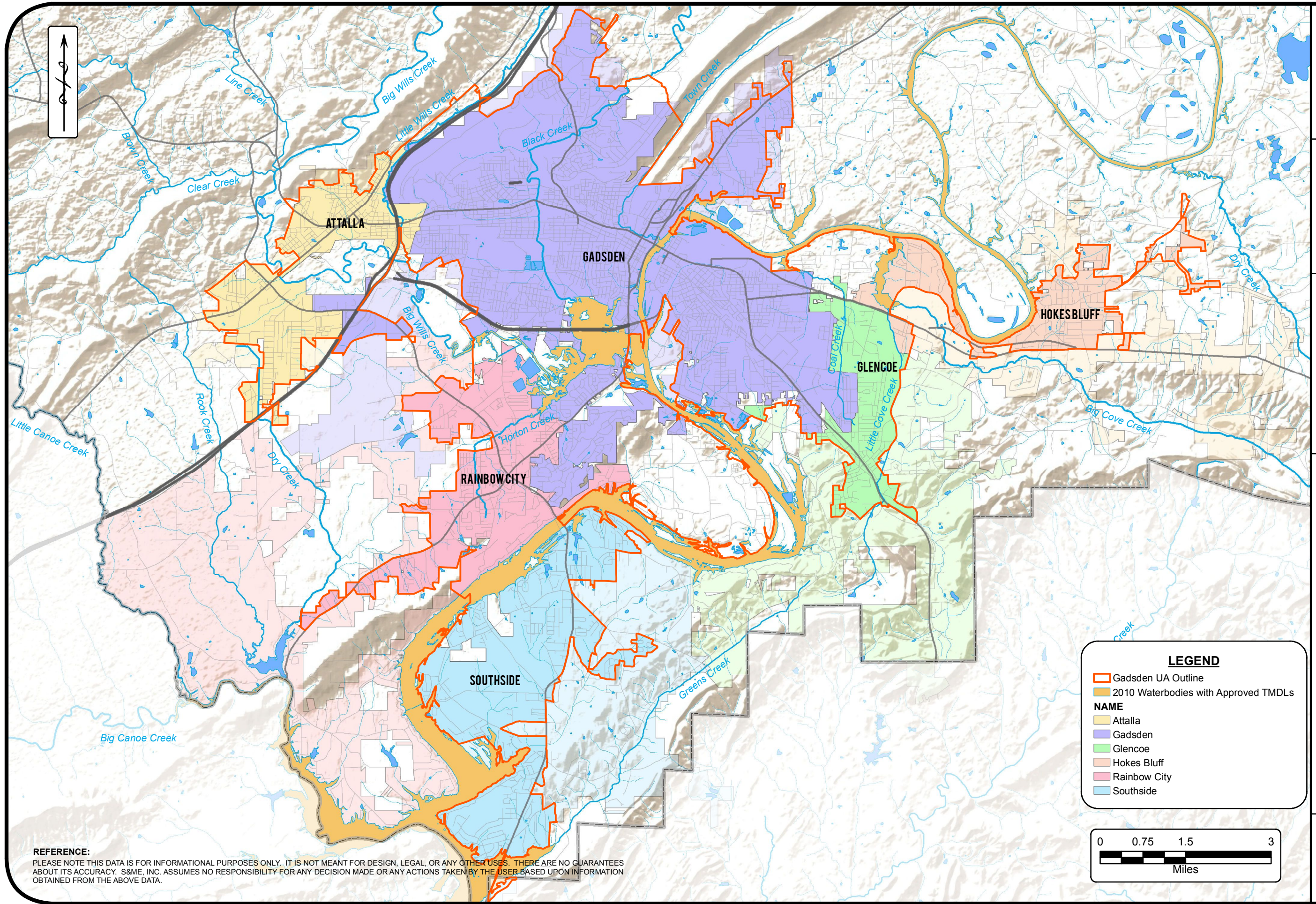
Christa C. Lyons
Project Manager



Appendix A

Figure 1 – Gadsden, Alabama Urbanized Area

Figure 2 – MS4 Monitoring Locations Map



REFERENCE:
 PLEASE NOTE THIS DATA IS FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT MEANT FOR DESIGN, LEGAL, OR ANY OTHER USES. THERE ARE NO GUARANTEES ABOUT ITS ACCURACY. S&ME, INC. ASSUMES NO RESPONSIBILITY FOR ANY DECISION MADE OR ANY ACTIONS TAKEN BY THE USER BASED UPON INFORMATION OBTAINED FROM THE ABOVE DATA.

SCALE: 1:100,000	DATE: 3/10/14
PROJECT NO: 4482-14-021	DRAWN BY: SLY
NPDES NO: ALG040009	CHECKED BY: CRO

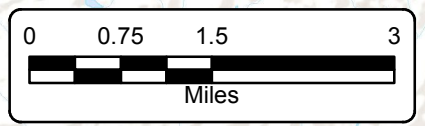
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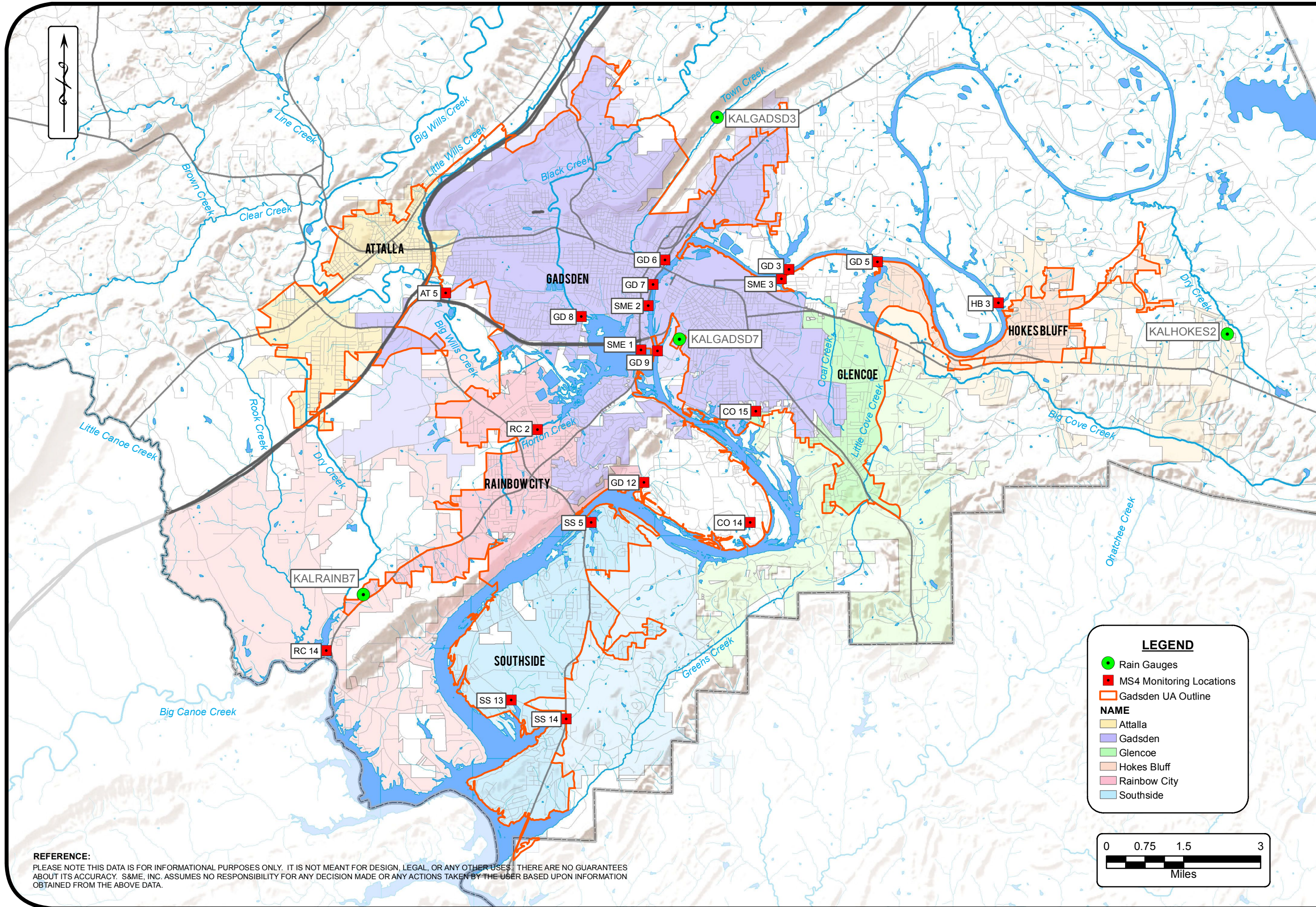
GADSDEN-ETOWAH MS4 BOUNDARIES
 GADSDEN ALABAMA URBANIZED AREA
 PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

FIGURE NO.
1

LEGEND

- Gadsden UA Outline
- 2010 Waterbodies with Approved TMDLs
- NAME**
- Attalla
- Gadsden
- Glencoe
- Hokes Bluff
- Rainbow City
- Southside





REFERENCE:
 PLEASE NOTE THIS DATA IS FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT MEANT FOR DESIGN, LEGAL, OR ANY OTHER USES. THERE ARE NO GUARANTEES ABOUT ITS ACCURACY. S&ME, INC. ASSUMES NO RESPONSIBILITY FOR ANY DECISION MADE OR ANY ACTIONS TAKEN BY THE USER BASED UPON INFORMATION OBTAINED FROM THE ABOVE DATA.

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MS4 MONITORING LOCATIONS
 GADSDEN ALABAMA URBANIZED AREA
 PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

FIGURE NO.
2



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

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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	DUPLICATE 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	DUPLICATE OF HB 3				0.45	<0.025	0.13	1.09	58.0

NTU - Nephelometric Turbidity Units

mg/L - milligrams per liter

NS - Not Sampled (Dry)

Bold - maximum reading for constituent

NA - not available at this time

* - unknown reading due to equipment malfunction

TABLE B.3 - ANALYTICAL DATA - AT 5**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.4 - ANALYTICAL DATA - GD 8**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.5 - ANALYTICAL DATA - RC 2**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.6 - ANALYTICAL DATA - SS 13**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.7 - ANALYTICAL DATA - SS 14**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.8 - ANALYTICAL DATA - GD 12**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.9 - ANALYTICAL DATA - CO 14

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.10 - ANALYTICAL DATA - SME 2

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.11 - ANALYTICAL DATA - GD 6**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.12 - ANALYTICAL DATA - CO 15

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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

NS - Not Sampled

TABLE B.13 - ANALYTICAL DATA - RC 14

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.14 - ANALYTICAL DATA - SS 5

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.15 - ANALYTICAL DATA - SME 1

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.16 - ANALYTICAL DATA - GD 9

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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
 mg/L - milligrams per liter
 NS - Not Sampled

* - unknown reading due to equipment malfunction

TABLE B.17 - ANALYTICAL DATA - GD 7**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.18 - ANALYTICAL DATA - GD 5**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.19 - ANALYTICAL DATA - GD 3**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.20 - ANALYTICAL DATA - SME 3

GADSDEN-ETOWAH MS4 MONITORING

NPDES PERMIT NO. ALR040009

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled

TABLE B.21 - ANALYTICAL DATA - HB 3**GADSDEN-ETOWAH MS4 MONITORING****NPDES PERMIT NO. ALR040009**

MONITORING POINT ID	DATE	FIELD PARAMETERS				LABORATORY ANALYSIS				
		TURBIDITY (NTU)	pH	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 malfunction

mg/L - milligrams per liter

NS - Not Sampled



Appendix C

Laboratory Report No. L893513, dated March 13, 2017

S&ME - Huntsville

Sample Delivery Group: L893513
Samples Received: 03/03/2017
Project Number: 4482-15-043
Description: Gadsden MS4

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

Entire Report Reviewed By:



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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GD6 L893513-09	17	
CO15 L893513-10	18	
RC14 L893513-11	19	
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SAMPLE SUMMARY



AT5 L893513-01 WW

Collected by
E. Kennedy
Collected date/time
03/02/17 09:27
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	WG957655	1	03/04/17 12:57	03/06/17 19:47	ASK
Wet Chemistry by Method 353.2	WG958345	1	03/08/17 11:05	03/08/17 11:05	DR
Wet Chemistry by Method 365.4	WG958449	1	03/04/17 12:57	03/07/17 13:41	AS
Wet Chemistry by Method 4500P E-2011	WG959739	1	03/10/17 10:40	03/10/17 10:40	MHM

1
Cp

2
Tc

3
Ss

4
Cn

GD8 L893513-02 WW

Collected by
E. Kennedy
Collected date/time
03/02/17 09:45
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 00:58	ASK
Wet Chemistry by Method 353.2	WG958345	1	03/08/17 11:07	03/08/17 11:07	DR
Wet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 15:31	AS
Wet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:51	03/04/17 08:51	MHM

5
Sr

6
Qc

7
Gl

8
Al

RC2 L893513-03 WW

Collected by
E. Kennedy
Collected date/time
03/02/17 10:00
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 01:00	ASK
Wet Chemistry by Method 353.2	WG958345	1	03/08/17 11:09	03/08/17 11:09	DR
Wet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 15:34	AS
Wet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:52	03/04/17 08:52	MHM

9
Sc

SS13 L893513-04 WW

Collected by
E. Kennedy
Collected date/time
03/02/17 10:17
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 01:01	ASK
Wet Chemistry by Method 353.2	WG958345	1	03/08/17 11:14	03/08/17 11:14	DR
Wet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 15:35	AS
Wet 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

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 01:02	ASK
Wet Chemistry by Method 353.2	WG958345	1	03/08/17 11:15	03/08/17 11:15	DR
Wet 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

SAMPLE SUMMARY



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



CO14 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	JER
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 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 01:08	ASK
Wet 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
Wet 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
Wet Chemistry by Method 351.2	WG959144	1	03/04/17 12:58	03/09/17 01:09	ASK
Wet Chemistry by Method 353.2	WG958345	1	03/08/17 11:20	03/08/17 11:20	DR
Wet 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 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 01:13	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
Wet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:56	03/04/17 08:56	MHM

SAMPLE SUMMARY



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
Wet Chemistry by Method 351.2	WG959144	1	03/04/17 12:58	03/09/17 01:14	ASK
Wet Chemistry by Method 353.2	WG958345	1	03/08/17 11:29	03/08/17 11:29	DR
Wet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 15:49	AS
Wet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:57	03/04/17 08:57	MHM

1
Cp

2
Tc

3
Ss

4
Cn

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 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 01:15	ASK
Wet Chemistry by Method 353.2	WG958345	1	03/08/17 11:30	03/08/17 11:30	DR
Wet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 15:50	AS
Wet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:57	03/04/17 08:57	MHM

5
Sr

6
Qc

7
Gl

8
Al

SME1 L893513-13 WW

Collected by
E. Kennedy
Collected date/time
03/02/17 10:50
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 01:17	ASK
Wet Chemistry by Method 353.2	WG958345	1	03/08/17 11:31	03/08/17 11:31	DR
Wet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 15:52	AS
Wet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:57	03/04/17 08:57	MHM

9
Sc

GD9 L893513-14 WW

Collected by
E. Kennedy
Collected date/time
03/02/17 11:00
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 01:20	ASK
Wet Chemistry by Method 353.2	WG958345	1	03/08/17 11:32	03/08/17 11:32	DR
Wet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 16:26	AS
Wet 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 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 01:21	ASK
Wet Chemistry by Method 353.2	WG958345	1	03/08/17 11:33	03/08/17 11:33	DR
Wet 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

SAMPLE SUMMARY



GD5 L893513-16 WW

Collected by
E. Kennedy
Collected date/time
03/02/17 13:40
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 01:24	ASK
Wet Chemistry by Method 353.2	WG958345	1	03/08/17 11:34	03/08/17 11:34	DR
Wet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 16:29	AS
Wet Chemistry by Method 4500P E-2011	WG957743	1	03/04/17 08:58	03/04/17 08:58	MHM

1
Cp

2
Tc

3
Ss

4
Cn

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 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 01:25	ASK
Wet Chemistry by Method 353.2	WG958345	1	03/08/17 11:39	03/08/17 11:39	DR
Wet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 16:30	AS
Wet Chemistry by Method 4500P E-2011	WG957202	1	03/04/17 11:09	03/04/17 11:09	MHM

5
Sr

6
Qc

7
Gl

8
Al

SME3 L893513-18 WW

Collected by
E. Kennedy
Collected date/time
03/02/17 14:10
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 01:27	ASK
Wet Chemistry by Method 353.2	WG958345	1	03/08/17 11:40	03/08/17 11:40	DR
Wet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 16:33	AS
Wet Chemistry by Method 4500P E-2011	WG957202	1	03/04/17 11:11	03/04/17 11:11	MHM

9
Sc

HB3 L893513-19 WW

Collected by
E. Kennedy
Collected date/time
03/02/17 13:15
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 01:28	ASK
Wet Chemistry by Method 353.2	WG958345	1	03/08/17 11:41	03/08/17 11:41	DR
Wet Chemistry by Method 365.4	WG957658	1	03/04/17 12:58	03/08/17 16:34	AS
Wet 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 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 01:30	ASK
Wet Chemistry by Method 353.2	WG958345	1	03/08/17 11:42	03/08/17 11:42	DR
Wet 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

SAMPLE SUMMARY



SME4 L893513-21 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 date/time	Analysis date/time	Analyst
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
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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



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.

<u>ESC Sample ID</u>	<u>Project Sample ID</u>	<u>Method</u>
L893513-01	AT5	4500P E-2011

- ¹ Cp
- ² Tc
- ³ Ss
- ⁴ Cn
- ⁵ Sr
- ⁶ Qc
- ⁷ Gl
- ⁸ Al
- ⁹ Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	44.6		2.50	1	03/07/2017 10:10	WG957817

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.529	B P1	0.250	1	03/06/2017 19:47	WG957655

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.08		0.100	1	03/08/2017 11:05	WG958345

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.373	B P1	0.100	1	03/07/2017 13:41	WG958449

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	0.267		0.0250	1	03/10/2017 10:40	WG959739

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	3.60		2.50	1	03/07/2017 10:10	WG957817

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.342		0.250	1	03/09/2017 00:58	WG959144

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.284	J6	0.100	1	03/08/2017 11:07	WG958345

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	03/08/2017 15:31	WG957658

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	03/04/2017 08:51	WG957743

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	8.00		2.50	1	03/07/2017 10:10	WG957817

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.445		0.250	1	03/09/2017 01:00	WG959144

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.166	B	0.100	1	03/08/2017 11:09	WG958345

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	03/08/2017 15:34	WG957658

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	03/04/2017 08:52	WG957743

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	4.60	P1	2.50	1	03/07/2017 10:10	WG957817

Sample Narrative:

2540 D-2011 L893513-04 WG957817: sample split for DUP

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.754		0.250	1	03/09/2017 01:01	WG959144

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.249		0.100	1	03/08/2017 11:14	WG958345

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	03/08/2017 15:35	WG957658

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	03/04/2017 08:54	WG957743

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	9.19		2.50	1	03/07/2017 10:10	WG957817

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.842		0.250	1	03/09/2017 01:02	WG959144

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.475		0.100	1	03/08/2017 11:15	WG958345

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.153		0.100	1	03/08/2017 15:36	WG957658

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	0.0920		0.0250	1	03/04/2017 08:54	WG957743

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Suspended Solids	6.10		2.50	1	03/07/2017 10:10	WG957817

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Kjeldahl Nitrogen, TKN	0.583		0.250	1	03/09/2017 01:03	WG959144

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Nitrate-Nitrite	0.223		0.100	1	03/08/2017 11:16	WG958345

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphorus, Total	0.119		0.100	1	03/08/2017 15:38	WG957658

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
	mg/l		mg/l		date / time	
Phosphate, Ortho	ND		0.0250	1	03/04/2017 08:55	WG957743

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	5.20		2.50	1	03/07/2017 10:10	WG957817

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.601		0.250	1	03/09/2017 01:07	WG959144

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.106	<u>B</u>	0.100	1	03/08/2017 11:17	WG958345

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	03/08/2017 15:41	WG957658

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	03/04/2017 08:55	WG957743

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	11.4		2.50	1	03/07/2017 10:10	WG957817

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.720		0.250	1	03/09/2017 01:08	WG959144

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.267		0.100	1	03/08/2017 11:18	WG958345

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	03/08/2017 15:43	WG957658

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	03/04/2017 08:55	WG957743

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	8.96		2.50	1	03/07/2017 10:10	WG957817

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.509		0.250	1	03/09/2017 01:09	WG959144

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.250	J6	0.100	1	03/08/2017 11:20	WG958345

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND	J6	0.100	1	03/08/2017 15:44	WG957658

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	03/04/2017 08:56	WG957743

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	17.4		2.50	1	03/07/2017 10:10	WG957817

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.521		0.250	1	03/09/2017 01:13	WG959144

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.152	<u>B</u>	0.100	1	03/08/2017 11:28	WG958345

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	03/08/2017 15:48	WG957658

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	03/04/2017 08:56	WG957743

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	14.6		2.50	1	03/07/2017 10:10	WG957817

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.608		0.250	1	03/09/2017 01:14	WG959144

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.120	B	0.100	1	03/08/2017 11:29	WG958345

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	03/08/2017 15:49	WG957658

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	03/04/2017 08:57	WG957743

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	16.0		2.50	1	03/07/2017 10:10	WG957817

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.766		0.250	1	03/09/2017 01:15	WG959144

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.334		0.100	1	03/08/2017 11:30	WG958345

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	03/08/2017 15:50	WG957658

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	03/04/2017 08:57	WG957743

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	15.0		2.50	1	03/07/2017 10:10	WG957817

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.345		0.250	1	03/09/2017 01:17	WG959144

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.671		0.100	1	03/08/2017 11:31	WG958345

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.208		0.100	1	03/08/2017 15:52	WG957658

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	0.127		0.0250	1	03/04/2017 08:57	WG957743

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	11.2		2.50	1	03/07/2017 10:10	WG957817

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.673		0.250	1	03/09/2017 01:20	WG959144

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.269		0.100	1	03/08/2017 11:32	WG958345

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	03/08/2017 16:26	WG957658

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	03/04/2017 08:58	WG957743

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	14.4		2.50	1	03/07/2017 10:10	WG957817

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.514		0.250	1	03/09/2017 01:21	WG959144

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.357		0.100	1	03/08/2017 11:33	WG958345

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	03/08/2017 16:28	WG957658

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	03/04/2017 08:58	WG957743

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	13.0		2.50	1	03/07/2017 10:10	WG957817

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.491		0.250	1	03/09/2017 01:24	WG959144

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.118	<u>B</u>	0.100	1	03/08/2017 11:34	WG958345

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	03/08/2017 16:29	WG957658

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	03/04/2017 08:58	WG957743

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	15.6		2.50	1	03/07/2017 10:10	WG957817

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.649		0.250	1	03/09/2017 01:25	WG959144

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.237		0.100	1	03/08/2017 11:39	WG958345

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.135	P1	0.100	1	03/08/2017 16:30	WG957658

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	03/04/2017 11:09	WG957202

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	17.0		2.50	1	03/07/2017 10:10	WG957817

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.733		0.250	1	03/09/2017 01:27	WG959144

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.272		0.100	1	03/08/2017 11:40	WG958345

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	ND		0.100	1	03/08/2017 16:33	WG957658

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	03/04/2017 11:11	WG957202

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	57.1		2.50	1	03/07/2017 10:10	WG957817

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.969		0.250	1	03/09/2017 01:28	WG959144

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	0.334		0.100	1	03/08/2017 11:41	WG958345

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.115		0.100	1	03/08/2017 16:34	WG957658

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	ND		0.0250	1	03/04/2017 08:59	WG957743

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
Suspended Solids	58.0		2.50	1	03/07/2017 10:10	WG957817

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
Kjeldahl Nitrogen, TKN	1.09		0.250	1	03/09/2017 01:30	WG959144

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
Nitrate-Nitrite	0.450		0.100	1	03/08/2017 11:42	WG958345

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
Phosphorus, Total	0.125		0.100	1	03/08/2017 16:35	WG957658

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis	Batch
Phosphate, Ortho	ND		0.0250	1	03/04/2017 09:02	WG957743

9 Sc



Gravimetric Analysis by Method 2540 D-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Suspended Solids	46.0		2.50	1	03/08/2017 03:38	WG957818

1 Cp

2 Tc

Wet Chemistry by Method 351.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Kjeldahl Nitrogen, TKN	0.449		0.250	1	03/09/2017 01:33	WG959144

3 Ss

4 Cn

Wet Chemistry by Method 353.2

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Nitrate-Nitrite	1.06	J6	0.100	1	03/07/2017 17:20	WG958347

5 Sr

6 Qc

Wet Chemistry by Method 365.4

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphorus, Total	0.297		0.100	1	03/08/2017 16:37	WG957658

7 Gl

8 Al

Wet Chemistry by Method 4500P E-2011

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
Phosphate, Ortho	0.210		0.0250	1	03/04/2017 09:02	WG957743

9 Sc



Method Blank (MB)

(MB) R3201795-1 03/07/17 10:10

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Suspended Solids	U		0.350	2.50

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

L893513-04 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-04 03/07/17 10:10 • (DUP) R3201795-5 03/07/17 10:10

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	4.60	4.85	1	5.26	P1	5

⁷ Gl

⁸ Al

L893513-20 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-20 03/07/17 10:10 • (DUP) R3201795-4 03/07/17 10:10

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	58.0	59.5	1	2.55		5

⁹ Sc

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

(LCS) R3201795-2 03/07/17 10:10 • (LCSD) R3201795-3 03/07/17 10:10

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Suspended Solids	773	764	736	98.8	95.2	85.0-115			3.73	5



Method Blank (MB)

(MB) R3201959-1 03/08/17 03:38

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Suspended Solids	U		0.350	2.50

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L893520-03 Original Sample (OS) • Duplicate (DUP)

(OS) L893520-03 03/08/17 03:38 • (DUP) R3201959-4 03/08/17 03:38

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	1110	1130	1	1.79		5

L893544-08 Original Sample (OS) • Duplicate (DUP)

(OS) L893544-08 03/08/17 03:38 • (DUP) R3201959-5 03/08/17 03:38

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Suspended Solids	16.3	17.0	1	4.51		5

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

(LCS) R3201959-2 03/08/17 03:38 • (LCSD) R3201959-3 03/08/17 03:38

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
Suspended Solids	773	852	864	110	112	85.0-115			1.40	5



[L893513-01](#)

Method Blank (MB)

(MB) R3201590-1 03/06/17 19:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Kjeldahl Nitrogen, TKN	0.0567	J	0.035	0.250

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L893513-01 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-01 03/06/17 19:47 • (DUP) R3201590-4 03/06/17 19:48

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	0.529	0.428	1	21	P1	20

L893493-01 Original Sample (OS) • Duplicate (DUP)

(OS) L893493-01 03/06/17 20:03 • (DUP) R3201590-8 03/06/17 20:04

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Kjeldahl Nitrogen, TKN	4.13	3.28	1	23	J3	20

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

(LCS) R3201590-2 03/06/17 19:43 • (LCSD) R3201590-3 03/06/17 19:44

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
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

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Kjeldahl Nitrogen, TKN	5.00	2.82	6.25	69	1	90-110	J6

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

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Kjeldahl Nitrogen, TKN	5.00	5.84	10.9	10.2	101	87	1	90-110	J6		7	20



L893309-01 Original Sample (OS) • Matrix Spike (MS)

(OS) L893309-01 03/06/17 20:14 • (MS) R3201590-9 03/06/17 20:15

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Kjeldahl Nitrogen, TKN	5.00	2.82	6.26	69	1	90-110	<u>J6</u>

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



Method Blank (MB)

(MB) R3201961-1 03/09/17 00:53

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Kjeldahl Nitrogen, TKN	U		0.035	0.250

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L893513-02 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-02 03/09/17 00:58 • (DUP) R3201961-4 03/09/17 00:59

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Kjeldahl Nitrogen, TKN	0.342	0.356	1	4		20

L893513-17 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-17 03/09/17 01:25 • (DUP) R3201961-8 03/09/17 01:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Kjeldahl Nitrogen, TKN	0.649	0.612	1	6		20

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

(LCS) R3201961-2 03/09/17 00:54 • (LCSD) R3201961-3 03/09/17 00:55

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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) R3201961-5 03/09/17 01:11 • (MSD) R3201961-6 03/09/17 01:12

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
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) R3201961-7 03/09/17 01:23

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
Kjeldahl Nitrogen, TKN	5.00	0.514	5.47	99	1	90-110	



Method Blank (MB)

(MB) R3201761-1 03/08/17 11:00

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Nitrate-Nitrite	0.02	<u>J</u>	0.0197	0.100

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L893513-01 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-01 03/08/17 11:05 • (DUP) R3201761-4 03/08/17 11:06

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
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) R3201761-6 03/08/17 11:19

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Nitrate-Nitrite	0.267	0.244	1	9		20

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

(LCS) R3201761-2 03/08/17 11:01 • (LCSD) R3201761-3 03/08/17 11:02

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
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) R3201761-5 03/08/17 11:08

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MS Rec. %	Dilution	Rec. Limits %	MS Qualifier
Nitrate-Nitrite	5.00	0.284	3.86	72	1	90-110	<u>J6</u>

L893513-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893513-09 03/08/17 11:20 • (MS) R3201761-7 03/08/17 11:21 • (MSD) R3201761-8 03/08/17 11:27

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Nitrate-Nitrite	5.00	0.250	3.76	3.68	70	69	1	90-110	<u>J6</u>	<u>J6</u>	2	20



Method Blank (MB)

(MB) R3201587-1 03/07/17 17:04

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Nitrate-Nitrite	U		0.0197	0.100

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L893505-01 Original Sample (OS) • Duplicate (DUP)

(OS) L893505-01 03/07/17 17:11 • (DUP) R3201587-4 03/07/17 17:12

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
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

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
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

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	5.00	4.58	5.35	92	107	90-110			16	20

L893513-21 Original Sample (OS) • Matrix Spike (MS)

(OS) L893513-21 03/07/17 17:20 • (MS) R3201587-5 03/07/17 17:21

Analyte	Spike Amount	Original Result	MS Result	MS Rec.	Dilution	Rec. Limits	MS Qualifier
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

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Nitrate-Nitrite	5.00	ND	3.95	4.02	78	79	1	90-110	<u>J6</u>	<u>J6</u>	2	20



Method Blank (MB)

(MB) R3201895-2 03/08/17 15:26

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphorus,Total	U		0.035	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L893513-02 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-02 03/08/17 15:31 • (DUP) R3201895-5 03/08/17 15:33

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
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

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
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

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphorus,Total	2.50	ND	2.32	2.23	90	86	1	90-110		J6	4	20



Method Blank (MB)

(MB) R3201529-4 03/07/17 13:12

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Phosphorus,Total	0.0397	J	0.035	0.100

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L893513-01 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-01 03/07/17 13:41 • (DUP) R3201529-9 03/07/17 13:42

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Phosphorus,Total	0.373	0.495	1	28	P1	20

L893493-01 Original Sample (OS) • Duplicate (DUP)

(OS) L893493-01 03/07/17 14:19 • (DUP) R3201529-10 03/07/17 14:20

Analyte	Original Result mg/l	DUP Result mg/l	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Phosphorus,Total	8.66	8.68	2	0		20

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

(LCS) R3201529-5 03/07/17 13:13 • (LCSD) R3201529-6 03/07/17 13:14

Analyte	Spike Amount mg/l	LCS Result mg/l	LCSD Result mg/l	LCS Rec. %	LCSD Rec. %	Rec. Limits %	LCS Qualifier	LCSD Qualifier	RPD %	RPD Limits %
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) R3201529-7 03/07/17 13:29 • (MSD) R3201529-8 03/07/17 13:31

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Phosphorus,Total	2.50	0.334	2.57	2.53	89	88	1	90-110	J6	J6	2	20



Method Blank (MB)

(MB) R3201004-1 03/04/17 11:03

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphate,Ortho	U		0.009	0.0250

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

L893513-17 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-17 03/04/17 11:09 • (DUP) R3201004-4 03/04/17 11:09

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphate,Ortho	ND	ND	1	0		20

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

(LCS) R3201004-2 03/04/17 11:04 • (LCSD) R3201004-3 03/04/17 11:04

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Phosphate,Ortho	0.750	0.701	0.701	93	93	85-115			0	20

7 Gl

8 Al

L893513-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L893513-18 03/04/17 11:11 • (MS) R3201004-5 03/04/17 11:13 • (MSD) R3201004-6 03/04/17 11:13

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphate,Ortho	0.500	ND	0.490	0.495	94	95	1	80-120			1	20

9 Sc



Method Blank (MB)

(MB) R3200986-1 03/04/17 08:49

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphate,Ortho	U		0.009	0.0250

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L893513-02 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-02 03/04/17 08:51 • (DUP) R3200986-4 03/04/17 08:52

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphate,Ortho	ND	ND	1	0		20

L893513-20 Original Sample (OS) • Duplicate (DUP)

(OS) L893513-20 03/04/17 09:02 • (DUP) R3200986-7 03/04/17 09:02

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
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

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
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

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphate,Ortho	0.500	ND	0.462	0.452	88	86	1	80-120			2	20



[L893513-01](#)

Method Blank (MB)

(MB) R3202395-1 03/10/17 10:26

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
Phosphate,Ortho	U		0.009	0.0250

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

L894770-05 Original Sample (OS) • Duplicate (DUP)

(OS) L894770-05 03/10/17 10:26 • (DUP) R3202395-2 03/10/17 10:26

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
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

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Phosphate,Ortho	0.267	0.267	1	0		20

⁷ Gl

⁸ Al

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

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Phosphate,Ortho	0.750	0.841	0.841	112	112	85-115			0	20

⁹ Sc

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

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Phosphate,Ortho	0.500	ND	0.596	0.593	117	117	1	80-120			1	20



Abbreviations and Definitions

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
B	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.
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.

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc



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
Connecticut	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
Iowa	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.**



S&ME - Huntsville

360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Report to:
Mr. Travis Overton

Project Description: **Excavation MS4**

Phone: **256-837-8882**
Fax: **256-837-6991**

Collected by (print):
E. Kennedy

Collected by (signature):
[Signature]

Immediate Packed on Ice: **N**

Billing Information & Quote Number:

Accounts Payable
360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Email to: **toverton@smeinc.com**

City/State Collected: **Excavation**

Client Project #
4482-15-043

Lab Project #
QOREHAL-448215043

Site/Facility ID #

P.O. #

Red? (Lab MUST be notified)

- Late Fee _____ 20%
- Next Day _____ 200%
- Two Day _____ 50%
- Three Day _____ 25%

Date Results Needed

Email? No Yes
FAX? No Yes

Analysis / Container / Preserving

Analysis / Container / Preserving	PORTHO 250mlHDPE-NoPres	PT 250mlHDPE-H2SO4	TOM / NO2NO3 250mlHDPE-H2SO4	TSS 1L-HDPE NoPres							

ESC
L-A-B S-C-I-E-N-C-E-S

2288 Columbia Rd
Huntsville, TN 37422
Phone: 931-758-0822
Phone: 800-767-0822
Fax: 931-758-0822

LAB: **L893513**
A164

Address: **QOREHAL**
Template: **T114559**
Program: **PS82391**
TIC: **834 - Craig Cochran**
PR: **12-28-10 Gm**

Shipped Via: **FedEx Ground**

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	OT											
AT5	Grab	WW	3'	9/2/17	0927	4	X	X	X	X							-01
ED8		WW	3'		0945	4	X	X	X	X							02
KC2		WW	3'		1000	4	X	X	X	X							03
5513		WW	3'		1017	4	X	X	X	X							04
3514		WW	3'		1027	4	X	X	X	X							05
ED12		WW	3'		1046	4	X	X	X	X							06
CO14		WW	1'		1057	4	X	X	X	X							07
3ME2		WW	3'		1246	4	X	X	X	X							08
ED6		WW	3'		258	4	X	X	X	X							09
CO15	✓	WW	1'	✓	320	4	X	X	X	X							10

* Matrix: SS - Soil GW - Groundwater WW - Wastewater BW - Drinking Water OT - Other

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Relinquished by (Signature):
[Signature]

Relinquished by (Signature):
[Signature]

Relinquished by (Signature):
[Signature]

Date: **09/2/17** Time: **1600**

Date: _____ Time: _____

Date: _____ Time: _____

Received by (Signature):
[Signature]

Received by (Signature):
[Signature]

Received for lab by (Signature):
[Signature]

Samples returned via: UPS
 FedEx Courier _____

Temp: **27** °C Bottles Preserved: **84**

Date: **3-3-17** Time: **0900**

Notes:

Condition: (Extra use only) **✓**

DOC Test Result: **✓** **1** **6** **NA**

Job Checkbook: **62**

S&ME - Huntsville

360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Billing Information & Quote Number

Accounts Payable
360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Report to:
Mr. Travis Overton

Email To: toverton@smeinc.com

Project Description: *Gulsdon N04*

City/State Collected: *Gulsdon, AL*

Phone: 256-837-8882
Fax: 256-837-6931

Client Project #
4482-35-043

Lab Project #
QORINAL-448215043

Collected by (print):
Jesse Johnson

Site/Job/Job #

P.O. #

Collected by (signature):
Jesse Johnson

Analysis? (Lab M/L/T for Method)

Date Results Needed

Same Day _____ 20%
Next Day _____ 25%
Two Day _____ 30%
Three Day _____ 35%

Email? No Yes
Fax? No Yes

Immediately Packed on Ice

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Analysis / Container / Preservation			
							PORTHO 250m/HDPE NoPres	PT 250m/HDPE-H1504	TKW / NO2NO3 250m/HDPE-H7504	TS5 1L-HDPE NoPres
<i>RC14</i>	<i>Grab</i>	<i>WW</i>	<i>5'</i>	<i>3/2/17</i>	<i>0930</i>	<i>4</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>SS5</i>					<i>1020</i>	<i>4</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>SME1</i>					<i>1050</i>	<i>4</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>G09</i>					<i>1100</i>	<i>4</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>G177</i>					<i>1110</i>	<i>4</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>G105</i>					<i>1340</i>	<i>4</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>G03</i>					<i>1400</i>	<i>4</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>SME3</i>					<i>1410</i>	<i>4</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>H55</i>					<i>1315</i>	<i>4</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>SME5</i>					<i>1200</i>	<i>4</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>

* Matrix: SS - Soil GW - Groundwater WW - Waste Water DW - Drinking Water OT - Other

Remarks: pH _____ Temp _____
Flow _____ Other _____

Relinquished by (Signature): <i>Jesse Johnson</i>	Date: <i>3/2/17</i>	Time: <i>1530</i>	Received by (Signature): <i>[Signature]</i>	Samples returned via: <input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____	Condition: (Lab use only) <i>SW7 OK</i>
Relinquished by (Signature): <i>[Signature]</i>	Date:	Time:	Received by (Signature): <i>[Signature]</i>	Temp: _____ °C Boxes Received: <i>2.1 54</i>	CDC test result: <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Relinquished by (Signature): <i>[Signature]</i>	Date:	Time:	Received by (Signature): <i>[Signature]</i>	Date: <i>3-3-17</i> Time: <i>0900</i>	Lab Checked: <i>62</i> NCP:

Page 1 of 1



LAB SCIENCE

10000 Lakeside Dr
Huntsville, AL 35892
Phone: 256-758-0200
Phone: 800-767-0200
Fax: 256-758-0800



Lab # *L843413*

Table #

Account: *QORINAL*

Template: *T114559*

Project: *P582391*

TDR: *DM - Craig Cochran*

TR: *LB-28-16*

Shipped Via: *FedEx Ground*

S&ME - Huntsville

340 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Report to:
Mr. Travis Overton

Project Description: *Protect MS4*

Phone: 256-837-8882
Fax: 256-837-6931

Client Project #
4482-15-043

City/State Collected: *Greenville AL*

Lab Project #
QOREHAL-448215043

Collected by (print):
E. Kennedy

Site/Facility ID #

P.O. #

Collected by (signature):
[Signature]

Rush? (Lab MUST be notified)

Date Results Needed

Immediately Packed in Ice: *[initials]*

- Same Day _____ 20%
- Next Day _____ 10%
- Two Day _____ 5%
- Three Day _____ 2%

Email? No Yes
 FAX? No Yes

No. of Cans

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	Cans	PORTHO 250mHOPE-NOPris	PT 250mHOPE-H7504	TKN / NO2NO3 250mHOPE-H7504	ESS 2L-HOPE NOPris
<i>SME4</i>	<i>Grab</i>	<i>WW</i>	<i>3'</i>	<i>5-2-17</i>	<i>1200</i>	4	X	X	X	X
		<i>WW</i>				4	X	X	X	X
		<i>WW</i>				4	X	X	X	X
		<i>WW</i>				4	X	X	X	X
		<i>WW</i>				4	X	X	X	X
		<i>WW</i>				4	X	X	X	X
		<i>WW</i>				4	X	X	X	X
		<i>WW</i>				4	X	X	X	X
		<i>WW</i>				4	X	X	X	X
		<i>WW</i>				4	X	X	X	X

* Matrix: SS - Soil GW - Groundwater WW - Wastewater DW - Drinking Water OT - Other _____

Remarks:

air _____ Temp _____
Flow _____ Other _____

Relinquished by (Signature): <i>[Signature]</i>	Date: <i>5/2/17</i>	Time: <i>1000</i>	Received by (Signature): <i>[Signature]</i>	Samples returned via: <input checked="" type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier <input type="checkbox"/> _____	Condition: (add note only) <i>OK</i>
Relinquished by (Signature): <i>[Signature]</i>	Date: _____	Time: _____	Received by (Signature): <i>[Signature]</i>	Temp: <i>23</i> °C bottles received: <i>64</i>	EDC Saw Mark: <i>L</i> Y N NA
Relinquished by (Signature): <i>[Signature]</i>	Date: _____	Time: _____	Received for job by (Signature): _____	Date: <i>3-3-17</i> Time: <i>0800</i>	QA Checked: <i>L2</i> NCF

Billing Information & Quote Number:

Accounts Payable
360 D Quality Circle NW
Suite 450
Huntsville, AL 35806

Email To: love@hoh.com

Analysis / Container / Preservation

<i>L2</i>	<i>L2</i>									
PORTHO 250mHOPE-NOPris	PT 250mHOPE-H7504	TKN / NO2NO3 250mHOPE-H7504	ESS 2L-HOPE NOPris							

Client of Safety Page 1 of 1



LAB SERVICES

2285 Lafayette Rd
Mount Airy, NC 27022
Phone: 800-767-8888
Phone: 800-767-8888
Fax: 800-767-8888



L893513

Table #

Address: QOREHAL
Temperature: T114559
Project: P582391
TSP: EM - Craig Cathron
Tel: *12-28-166*

Shipped via: FedEX Ground

Item, Parameters, Sample # See info

21

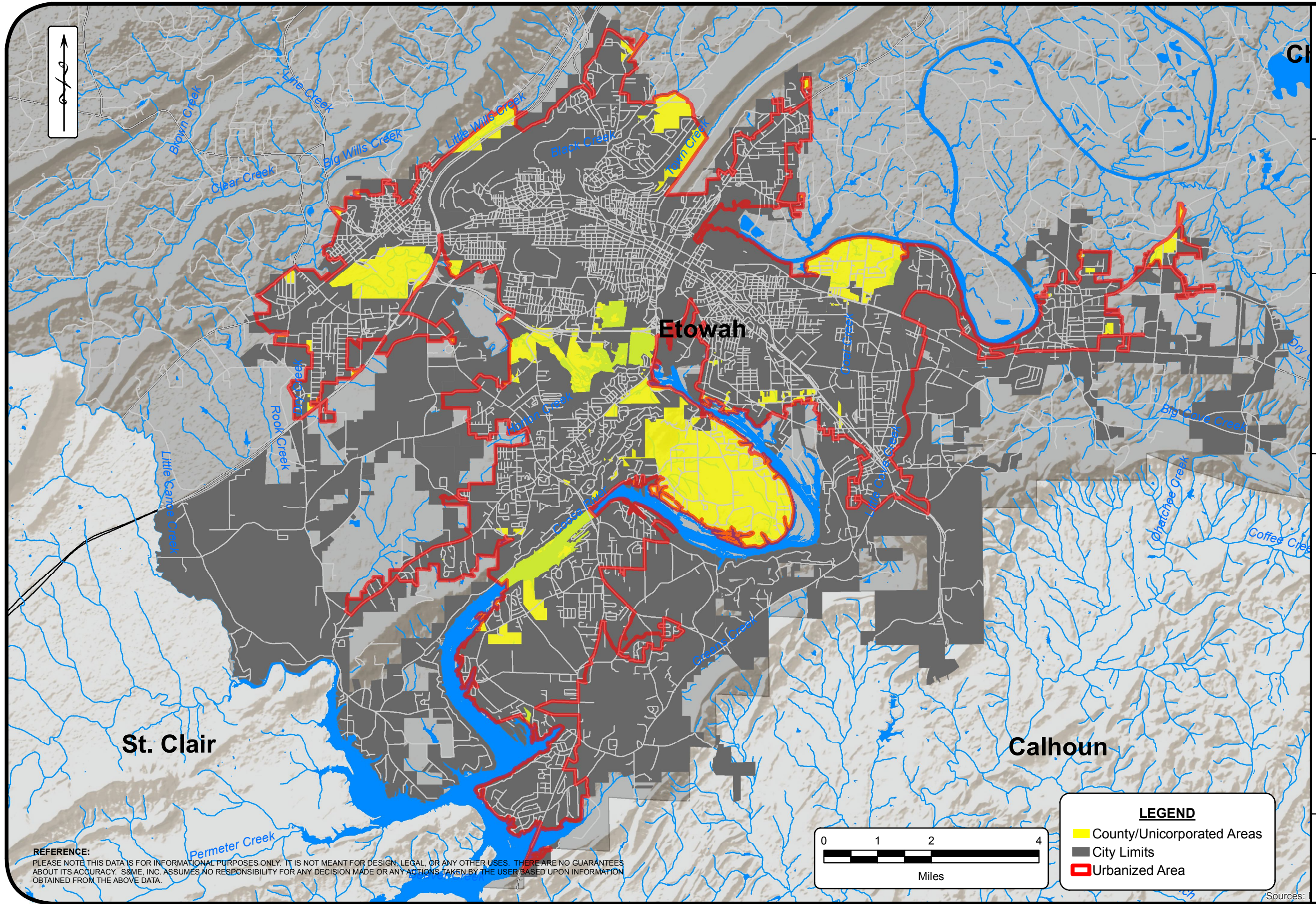
**ESC LAB SCIENCES
Cooler Receipt Form**

Client: <u>QORHAL</u>	SEX#	<u>L893513</u>
Cooler Received/Opened On: <u>3/3/17</u>	Temperature: <u>2.7</u>	
Received By: <u>Jim DeBoard</u>		
Signature: <u>[Signature]</u>		

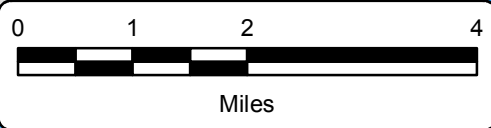
Receipt Check List	NP	Yes	No
COC Seal Present / Intact?		✓	
COC Signed / Accurate?		✓	
Bottles arrive intact?		✓	
Correct bottles used?		✓	
Sufficient volume sent?			
If Applicable			
VDA Zero headspace?		✓	
Preservation Correct / Checked?			

Appendix J – Etowah County (ALR0400009)

Appendix J-1 – Etowah County Figures



REFERENCE:
 PLEASE NOTE THIS DATA IS FOR INFORMATIONAL PURPOSES ONLY. IT IS NOT MEANT FOR DESIGN, LEGAL, OR ANY OTHER USES. THERE ARE NO GUARANTEES ABOUT ITS ACCURACY. S&ME, INC. ASSUMES NO RESPONSIBILITY FOR ANY DECISION MADE OR ANY ACTIONS TAKEN BY THE USER BASED UPON INFORMATION OBTAINED FROM THE ABOVE DATA.



LEGEND

- County/Unincorporated Areas
- City Limits
- Urbanized Area

SCALE: AS SHOWN	DATE: 07/30/15
PROJECT NO: 4482-15-028	DRAWN BY: EJK
NPDES NO: ALR040009	CHECKED BY: DJJ

S&ME
 WWW.SMEINC.COM

ETOWAH COUNTY MS4
 GADSDEN ALABAMA URBANIZED AREA
 PHASE II SMALL MUNICIPAL SEPARATE STORM SEWER SYSTEM

FIGURE NO.
1

Sources:

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/storm-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/storm-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 <i>Water Quality Awareness Week</i> 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 <i>Water Quality Awareness Week</i> .	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 <i>Etowah County Water Festival</i>	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 <i>Etowah County Water Festival</i> .	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

ACTIVITY NO.	STRATEGIES	2016-2017 IMPLEMENTATION STATUS	2017-2018 PROPOSED EFFORTS	SUPPORTING DOCUMENTATION	COMMENTS	PROPOSED 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

See Section 10.1 of the SWMP

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

See Section 10.2 of the SWMP

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

See Section 10.2 of the SWMP

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	<p>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</p> <p>Evaluate the effectiveness of the Ordinance each reporting period</p>	<p>The County evaluated the Ordinance on its effectiveness in addressing erosion and sediment control and no changes were deemed necessary</p>	<p>The County will evaluate the Ordinance annually.</p>	<p>The County's ordinance can be viewed at the link below: http://etowahcounty.org/departments/engineering/</p>	<p>0 non-compliant construction sites 0 enforcement actions taken 0 non-compliant sites reported to ADEM 0 repeat offenders</p>	<p align="center">NO</p>
2	<p>Construction Site Inspection Program: Conduct regular inspections of construction sites within the County</p> <p>Evaluate the effectiveness of the inspection program.</p>	<p>The County evaluated the effectiveness of the construction site inspection program and no changes were deemed necessary</p>	<p>The County will implement the Construction Site Inspection Program.</p>	<p>There were no construction sites; therefore inspections were not necessary.</p>	<p>0 inspections completed 0 non-compliant construction sites 0 enforcement actions 0 non-compliant sites reported to ADEM 0 repeat offenders</p>	<p align="center">NO</p>
2a	<p>Sediment and Erosion Control Plan Review: Review Sediment and Erosion Control Plans and Storm Water Management Plans for all new construction</p> <p>Evaluate the effectiveness of the plan review program</p>	<p>The County evaluated the Program on its effectiveness and no changes were deemed necessary.</p>	<p>The County will review Sediment and Erosion Control Plans and Storm Water Management Plans for all new construction.</p>	<p>There were no construction sites; therefore plan review was not necessary.</p>	<p>0 plans reviewed 0 plans approved 0 plans rejected 0 plans met ADEM requirements</p>	<p align="center">NO</p>
3	<p>BMP Training Program: Conduct annual CBMP training for County inspectors and reviewers</p>	<p>Refresher QCI training attended on June 21, 2016</p> <p>Robert Nail QCP, #53963 Mel Smith QCI, #39562 Tyson Burwell QCI #31730 William Vaughn QCI #T2437</p>	<p>Refresher trainings will be completed.</p>	<p>QCI certificates are attached. (See Document Set 3-1)</p>		<p align="center">NO</p>
4	<p>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.</p>	<p>3 complaints received 3 complaints addressed 3 complaints resolved 3 reports contained required information to find and address the suspected problem</p>	<p>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.</p>	<p>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)</p>		<p align="center">NO</p>
5	<p>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</p>	<p>0 construction sites were reported to ADEM</p>	<p>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.</p>		<p>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.</p>	<p align="center">NO</p>

ETOWAH COUNTY

CONTROL MEASURE 4 - POST-CONSTRUCTION STORM WATER MANAGEMENT

See Section 10.4 of the SWMP

ACTIVITY NO.	STRATEGIES	2016-2017 IMPLEMENTATION STATUS	2017-2018 PROPOSED EFFORTS	SUPPORTING DOCUMENTATION	COMMENTS	PROPOSED CHANGES
1	<p>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. Sections 4-2(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.</p> <p>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.</p> <p>Evaluate the effectiveness of the Subdivision Regulations each reporting period</p>	<p>The County evaluated the Ordinance on its effectiveness in reducing runoff from new development or redevelopment and no changes were deemed necessary.</p>	<p>The County will evaluate the Ordinance annually.</p>	<p>The County's ordinance can be viewed at the link below: http://etowahcounty.org/department/engineering/</p>	<p>0 submitted plans included measures to reduce runoff volume.</p> <p>There were no construction sites during the reporting period.</p>	<p align="center">NO</p>
2	<p>Reducing Pollutants from Development: Etowah County Subdivision Regulations 5-4-4(11) Page 33 specify storm drainage runoff requirements for developers</p> <p>Evaluate the effectiveness of the Subdivision Regulations each reporting period</p>	<p>The County evaluated the Ordinance on its effectiveness in reducing pollutants from new development or redevelopment and no changes were deemed necessary.</p>	<p>The County will evaluate the Ordinance annually.</p>	<p>The County's ordinance can be viewed at the link below: http://etowahcounty.org/department/engineering/</p>	<p>0 developments required treatment of storm water runoff is required</p> <p>There were no construction sites during the reporting period.</p>	<p align="center">NO</p>
3	<p>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."</p> <p>Evaluate the effectiveness of the Subdivision Regulations each reporting period</p>	<p>The County evaluated the Ordinance on its effectiveness in addressing long-term maintenance of storm water controls and no changes were deemed necessary.</p>	<p>The County will evaluate the Ordinance annually.</p>	<p>The County's ordinance can be viewed at the link below: http://etowahcounty.org/department/engineering/</p>	<p>0 submitted plans included detailed maintenance procedures 0 maintenance agreements reviewed 0 maintenance provisions approved 0 maintenance provisions denied 0 enforcement actions taken</p> <p>There were no construction sites during the reporting period.</p>	<p align="center">NO</p>
4	<p>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</p>	<p>0 obstacles identified conflicts were discussed when necessary</p>	<p>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.</p>		<p>The County utilizes open ditching to allow green infrastructure. We are not aware of any conflicts at the time.</p>	<p align="center">NO</p>

ETOWAH COUNTY

CONTROL MEASURE 4 - POST-CONSTRUCTION STORM WATER MANAGEMENT

See Section 10.4 of the SWMP

ACTIVITY NO.	STRATEGIES	2016-2017 IMPLEMENTATION STATUS	2017-2018 PROPOSED EFFORTS	SUPPORTING DOCUMENTATION	COMMENTS	PROPOSED CHANGES
5	<p>Sediment and Erosion Control Plan Review: Review Sediment and Erosion Control Plans for all new construction for review of post-construction controls</p> <p>Evaluate the effectiveness of the plan review program</p>	<p>The County evaluated the Program on its effectiveness and no changes were deemed necessary.</p>	<p>The County will review Sediment and Erosion Control Plans for all new construction for review of post-construction controls.</p>	<p>There were no construction sites; therefore plan review was not necessary.</p>	<p>0 plans reviewed 0 plans approved 0 plans rejected 0 post-construction designs approved 0 post-construction designs rejected</p>	<p align="center">NO</p>
6	<p>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</p> <p>Annually inspect each site to confirm post-construction BMPs are functioning as designed</p> <p>Evaluate the effectiveness of the inspection program</p>	<p>The County evaluated the Program on its effectiveness and no changes were deemed necessary.</p>	<p>The County will implement the Construction Site Inspection Program.</p>	<p>There were no construction sites; therefore inspections were not necessary.</p> <p>Post-construction storm water inspection form is attached.</p> <p>(See Document Sets 4-1)</p>	<p>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.</p>	<p align="center">NO</p>
7	<p>Post-Construction Structural Controls Inventory: Update an inventory of post-construction structural controls including those owned by the County</p>	<p>0 post-construction structural controls are located within the UA</p>	<p>The County will update an inventory of post-construction structural controls including those owned by the County.</p>			<p align="center">NO</p>
8	<p>Additional Strategy: Highway Erosion Control</p>	<p>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.</p>	<p>The County will continue to use riprap and grassing as erosion countermeasures when applicable.</p>	<p>Erosion Control report with dates, materials, and hours is attached</p> <p>(See Document Set 4-2)</p>		<p align="center">NO</p>

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
1	<p>County Facilities: Maintain a list of County facilities that have the potential to discharge pollutants through storm water runoff</p> <p>Update SOPs for facilities as needed and inspect facilities monthly</p>	8 County facilities	Maintain a list of facilities.	<p>A list of County facilities and addresses is attached.</p> <p>(See Document Set 5-1)</p>		NO
1a	<p>County Facilities: Inspect each facility for good housekeeping practices on a quarterly basis. Establish a inspection checklist by May 31, 2017</p>	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.	<p>The checklist is attached.</p> <p>(See Document Set 5-2)</p>		NO
1b	<p>County Facilities: Establish SOPs for facilities by May 31, 2017</p>	SOPs were established for each facility	Update SOPs for facilities as needed.	<p>Established SOPs are attached.</p> <p>(See Document Set 5-2)</p>		NO
2	<p>Employee Training: Implement a BMP training program for County personnel each reporting period</p>	<p>County invited S&ME, Inc. to conduct Annual Training on February 23, 2017</p> <p>34 County employees attended training.</p>	The County will train personnel on good housekeeping.	<p>Attendance record is attached.</p> <p>(See Document Set 2-9)</p>		NO
3	<p>Vehicle Maintenance Program: Conduct routine inspections of municipal vehicles and equipment</p>	<p>Daily inspections are done of vehicles before they are driven.</p> <p>20 vehicle or equipment leaks identified during the reporting period</p>	The County will conduct routine inspections.	<p>Work orders for the identified leaks are attached.</p> <p>(See Document Set 5-3)</p>		NO
4	<p>Vehicle Wash Area: Specify areas for vehicle washing. Each Department location will be reviewed, inspected, and modified as needed throughout the year</p>	<p>1 designated municipal vehicle washing areas</p> <p>4 inspections performed</p> <p>0 deficiencies noted</p>	Each vehicle washing area will be reviewed, inspected, and modified as needed throughout the year.	<p>Photo of designated wash area and inspection checklist are attached.</p> <p>(See Document Set 5-4)</p>		NO
5	<p>Pesticide Applications: Ensure pesticide applicators have current certifications</p> <p>Public Works will review all areas where pesticides are to be used</p>	<p>The County uses various pesticides (insecticides and herbicides) to control insect pests and unwanted vegetation.</p> <p>Steve Talton Permit #10745 Exp. 4-28-2020.</p> <p>Thomas Guthery Permit #15384 Exp. 5-28-2017</p> <p>The County will report the areas where the pesticides were applied and whether or not there was a potential for waterways to be impacted.</p>	<p>The County will continue to recertify County employees as required</p> <p>Should other pesticide applications be needed, the County will review applicator certifications and licensing during the bid process.</p>	<p>Certifications and Herbicide report with dates, materials, and hours are attached.</p> <p>(See Document Sets 5-5, 5-6, and 5-7)</p>		NO

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/alison/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

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
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@etowahcounty.org>

Wed, Mar 22, 2017 at 11:50 AM

To: Michael Ray <mray@plexamedia.com>, Michael Ray <mray@singletontechnology.com>

Michael,

We are gathering information again for the annual Etowah County storm water report.

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 text hidden]



Mel Smith <msmith@etowahcounty.org>

Website Information

Michael Ray <mray@plexamedia.com>
To: Mel Smith <msmith@etowahcounty.org>

Thu, Mar 23, 2017 at 8:05 AM

We show that page received 51 page views in the past year.

[Quoted text hidden]

Michael Ray
877-497-4606 ext. 802



Mel 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 [Etowah County MS4 Storm Water Management Program](#) and for [2014-2015 Gadsden-Etowah Annual Storm Water Management Report](#) if you could get them for us please.

(Quoted text hidden)



Mel Smith <msmith@etowahcounty.org>

Website Information

Michael Ray <mray@plexamedia.com>
To: Mel Smith <msmith@etowahcounty.org>

Mon, May 15, 2017 at 3:33 PM

Hey 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]

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Etowah County
ALABAMA

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Engineering

Etowah County Commission

402 Tuscaloosa Ave
Gadsden, AL 35901

Phone (256) 549-5358

[Report Road Problems \(/report-road-problems-form/\)](#)

[Storm Water \(/engineering/storm-water/\)](#)

[Current Road Work \(/current-work/\)](#)

Downloads

Contact Us

[Logging Resolution Notification Form \(/wp-content/uploads/sites/185/2016/02/logging_resolution_notification_form.pdf\)](#)

[Logging Notice Resolution \(/wp-content/uploads/sites/185/2016/02/logging_notice_resolution.pdf\)](#)

[Etowah County Subdivision Regulations \(/wp-content/uploads/sites/185/2016/02/etowah_county_subdivision_regulations.pdf\)](#)

[Do Not Spray Herbicide Application \(/wp-content/uploads/sites/185/2016/02/do_not_spray_herbicide_application.pdf\)](#)

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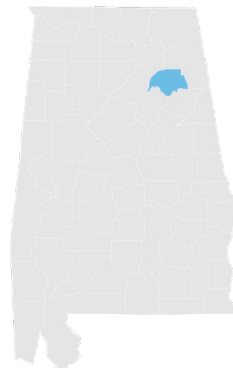
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Report Storm Water Issues by Clicking Here (<http://etowahcounty.org/report-storm-water-issues/>)

2014-2015 Gadsden-Etowah Annual Storm Water Management Report (<http://etowahcounty.org/wp-content/uploads/sites/185/2014/07/ALR040009-2014-2015-MS4-Annual-Report.pdf>)

Etowah County MS4 Storm Water Management Program (<http://etowahcounty.org/wp-content/uploads/sites/185/2014/07/Etowah-County-MS4-SWMP-2012-1.pdf>)

Erosion Control (http://etowahcounty.org/wp-content/uploads/sites/185/2014/07/Erosion-Control-Pamplet_201401240923312536.pdf)

Non Point Source Pollution Education (http://etowahcounty.org/wp-content/uploads/sites/185/2014/07/Nonpoint-Education-Pamplet_201401240923334255.pdf)

Renew Our Rivers (<http://renewourrivers.com/>)

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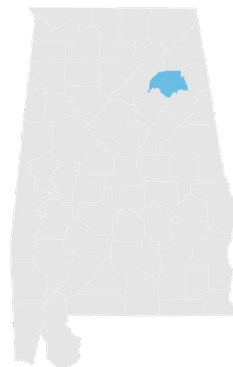
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Name

First

Last

Email

Address

Street Address

Address Line 2

City

State / Province / Region

ZIP / Postal Code

Country

Location of Problem

Indicate where the problem is occurring.

Nature of Problem

ex. foaming at creek, illegal dumping in waterways, etc

Submit

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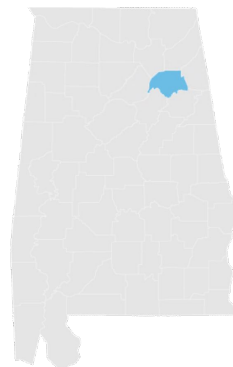
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Keep Etowah Beautiful, Inc.

P. O. Box 8621
 Gadsden, Alabama 35902
 256-549-0900 Office
 256-549-1325 Fax
 keb@etowahcounty.org



If you see someone throwing trash from a vehicle or trash blowing out of an uncovered truck call KEB's Litter Hotline Number 256-549-0900 with the following information:

- Tag Number
- Date
- Time
- Location
- Whether the trash came from the driver, the passenger or the bed of the truck
- A brief description of the vehicle

Keep Etowah Beautiful verifies the information and sends out a volunteer letter letting the owner of the vehicle know if an officer had witnessed this they could have been fined up to \$500.00.

Help Keep Etowah Beautiful by getting involved with the Great American Cleanup or Renew Our Rivers.

Great American Cleanup – Contact your local city hall to see if they have a scheduled date or contact KEB to see how you or your group can get involved.



Renew Our Rivers: Contact KEB and see how you and your group can help.

Keep Etowah Beautiful's Clean Campus Certified Schools:



- **Attalla City Schools**
 - Attalla Elementary
 - Etowah Middle
 - Etowah High
- **Etowah County Schools**
 - Carlisle Elementary
 - Duck Springs Elementary
 - Gaston Elementary

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Rural Transportation

- Glencoe Elementary
- Highland Elementary
- Hokes Bluff Elementary
- Ivalee Elementary
- John Jones Elementary
- Southside Elementary
- West End Elementary
- Whitesboro Elementary
- Glencoe Middle
- Hokes Bluff Middle
- Rainbow Middle
- Gaston High
- Glencoe High
- Hokes Bluff High
- Southside High.
- **Gadsden City Schools:**
 - Oscar Adams Elementary
 - Eura Brown Elementary
 - C.A. Donehoo Elementary
 - George Floyd Elementary
 - R.A. Mitchell Elementary
 - W.E. Striplin Elementary
 - Ray Thompson Elementary
 - Emma Sansom Middle
 - Gadsden Middle
 - Litchfield Middle
 - Gadsden City High
- **Private Schools:**
 - Coosa Christian Elementary
 - St. James Elementary
 - Westbrook Elementary
 - Coosa Christian High
 - Westbrook High

Message In The Bottle Anti-Litter Symposium Winners:

- **Elementary:**
 - 1st Place – John Washburn, Ivalee Elementary
 - 2nd Place – Bailey Simms, John Jones Elementary
 - 3rd Place – Courtney Boren, Southside Elementary
- **Middle and High School:**
 - 1st Place – Mr. Brian Ursy Class, Gaston High
 - 2nd Place – 7th Grade Students, Glencoe Middle
 - 3rd Place – Science Club, Hokes Bluff High School

Etowah County Groundwater Festival T-Shirt Design Winner:

Emily Katie Jones – Carlisle – Teacher: Mrs. Kelly Watkins



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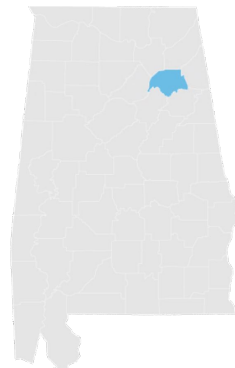
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**KEEP ETOWAH BEAUTIFUL, INC.
COMMUNITY PROGRAMS FOR 2016**

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 SYMPOSIUM:

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

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, Jeremy 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

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

Navigate to...

Renew Our Rivers

WHEN:

October 31, 2016 all-day @ Neely Henry

<http://www.greatorgaddden.com/events/>

WHERE:

Neely Henry

COST:




FREE

CONTACT:

 Lisa Dover

 256-549-0900

 Event website (<http://therenewourivers.com/2016-schedule/>)

-  COOSA RIVER (http://www.greatorgaddden.com/events/cata_00-02-EDUCATIONAL/)
-  NE NEELY (http://www.greatorgaddden.com/events/cata_00-04-NE NEELY/)
-  OUTDOOR ACTIVITIES (http://www.greatorgaddden.com/events/cata_00-05-OUTDOOR ACTIVITIES/)



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 campaign that includes Alabama, Georgia, Mississippi and the Florida panhandle, six river systems and brings together thousands of volunteers each year.

Impact

Alabama Power, with the help of volunteers around the Southeast, removed more than 14 million pounds of trash from 2000 to 2011 through Renew Our Rivers. The trash and debris removed includes bottles and cans, tires, water heaters, refrigerators and boats.

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://renewourrivers.com/2016-schedule/>) for details and directions.

View [Link](#) [Print](#) [Share](#)

Written by **Hugh Stump**

(<http://www.greatergadsden.com/author/hugh/>)



View all posts by: **Hugh Stump** (<http://www.greatergadsden.com/author/hugh/>)

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Renew Our Rivers Neely Henry Cleanup

October 31 - November 2, 2016 [Like](#) [Sign Up](#) to see what your friends like.

[View All Events](#)

October 31 - November 2, 2016

Monday - Wednesday

8:00 AM

Location

Gadsden City Boat Ramp
101 E Broad St
Gadsden, AL 35901

Contact Name: Lisa Dover
Phone: 256-549-0900

From Interstate 58, travel to Exit 182 near Gadsden and go south on I-759. Continue on I-759 and turn left on George Wallace Drive. Keep going through four red lights, and the city of Gadsden Boat Dock is on the left behind Dollar General and Farmers Furniture.

The Renew Our Rivers Neely Henry Lake cleanup is Oct. 31 to Nov. 2 on the Coosa River. Volunteers will meet at the city of Gadsden Boat 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 cleanup is coordinated by Alabama Power, Gadsden Beautification Board, Keep Etowah Beautiful Inc., Sheriff Todd Enekin, The Gadsden Times, Etowah County Commission, AFSJ Pioneers and Gadsden State Community College.

Volunteers for Renew Our Rivers, one of the Southeast's largest river cleanup campaigns, have collected more than 14 million pounds of trash and debris since the program's inception in 2000. This year, 32 cleanups are planned through November on the Alabama, Black Warrior, Cahaba, Chattahoochee, Coosa, Mobile and Tallapoosa rivers.





Get Directions using Google Maps

#E20DC2F_EADA-487A-4AFC-87B4-03B4C0C0C

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NeelyHenry.USLakes.info

THE BEST OF NEELY HENRY LAKE DISTRICT

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Page 8, 10/17

HELP RENEW THE COOSA



RENEW OUR
RIVERS



For More Information

Call 

Keep Etowah Beautiful

549-0900









River cleanup drive kicks off on April 29

April 26, 2013

<http://www.facebook.com/share.php?url=http://gadsdenmessenger.com/2013/04/26/river-cleanup-drive-kicks-off-on-april-29/> <http://plus.google.com/share?url=http://gadsdenmessenger.com/2013/04/26/river-cleanup-drive-kicks-off-on-april-29/> <http://twitter.com/share?url=http://gadsdenmessenger.com/2013/04/26/river-cleanup-drive-kicks-off-on-april-29/> <http://www.intelldn.com/shareArticle?mini=true&url=http://gadsdenmessenger.com/2013/04/26/river-cleanup-drive-kicks-off-on-april-29/>

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 256-549-0900 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 Gadsden Senior Citizen Building. Anyone who did not obtain supplies then can get supplies at the docks. Dover said KEB representatives will be at the Gadsden 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 Etowah County. Help Keep Etowah Beautiful and make a difference in your community, Dover said.

Renew 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, Buffalo Rock Company, Buck's Island, Etowah County Commission, Gadsden

Beautification Board, Gadsden-Etowah County Emergency Management Agency, The Gadsden Times, Gadsden Water Works, Etowah County Soil & Water District, Landcrafters, Inc., Neely Henry Lake Association, WPAK, WGMZ, Fox 6 and TV 24.



Renew Our Rivers cleans out the Coosa River

November 16, 2016

<https://www.facebook.com/share.php?u=http://gadsdenmessage.com/2016/11/16/renew-our-rivers-cleans-out-the-coosa-river/> <https://plus.google.com/share?url=http://gadsdenmessage.com/2016/11/16/renew-our-rivers-cleans-out-the-coosa-river/> <https://twitter.com/share?url=http://gadsdenmessage.com/2016/11/16/renew-our-rivers-cleans-out-the-coosa-river/#id=Renew+Our+Rivers+cleans+up+the+Coosa+River> <https://www.linkedin.com/shareArticle?mini=true&url=http://gadsdenmessage.com/2016/11/16/renew-our-rivers-cleans-out-the-coosa-river/>

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 Hall: a massive pile of trash that had been pulled from the Coosa River as part of the Renew 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 Phifer, who was instrumental in starting the program in 2000, was quick to explain that the project would never have gotten started without a community-wide effort.

"I had a lot of help," said Phifer. Along with Alabama Power, the Keep Etowah Beautiful initiative, the Gadsden/Etowah Chamber and "as many people and as many diverse groups" as Phifer 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," Phifer 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. Renew Our Rivers shows no sign of slowing down; over 30 cleanups occurred this year in addition to the Coosa River site.

Phifer, 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 grown.

"I don't know if it's the biggest cleanup in the United States, but if it's not it's on up there," Phifer said. The progress he has seen in 17 years of cleaning up the Coosa and other water systems has surprised and inspired him. Compared to the first cleanup project, from which debris filled the parking lot of the Gadsden amphitheater, this year's efforts have seen a decrease in debris pulled from the Coosa but not in the response from the community. Phifer 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," Phifer 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]?" Phifer asked.

When driving past the pile of debris pulled from the river, which contains multiple shopping carts and tires 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 Phifer, the answer is simple.

"It's important for [volunteers] to have a good time... It's fun! 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 success, and organizers intend to keep the program going as long as it is needed.



Fwd: Meeting

1 message

Robert Nail <mail@etowahcounty.org>
To: Mel 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@gadsdenwater.org>, "Charles Hodge" <gwhodge1@uno.com>, "Chris Jones" <cjones7281@gmail.com>, "Don Campbell" <dcampbell@gcs.k12.al.us>, "Donna Waddell" <dwaddell@etowahcounty.org>, "Gerson Pickett" <gpickett@southernco.com>, "Heath Williamson" <hwilliamson@cityofgadsden.com>, "Holly Guinn" <hollyguinn@culturalarts.org>, "Hugh Hammer" <hhammer@gadsdenstate.edu>, "Hugh Hammer Assistant" <hammerasst@gadsdenstate.edu>, "Jamie Duncan" <jduncan@attalla.k12.al.us>, "Jason Nicholson" <j.nicholson@attalacity.com>, "Jennifer Childers" <jchilders@etowahcounty.org>, "Jennifer Hyde" <jhyde@attalla.k12.al.us>, "Jeremy Ward" <jward@cityofgadsden.com>, "Jimmy Whittemore" <jwhitemore@cityofsouthside.com>, "Joe Saxon" <saxon.environmental@gmail.com>, "Ken Howell" <Ken.Howell@al.usda.gov>, "Kim Reed" <kim_reed@ecboe.org>, "Lisa Johnson" <hbcity@bellsouth.net>, "Mark McBrayer" <mcbwtman@yahoo.com>, "Meleah Williams" <mwilliams@gadsdenwater.org>, "Michael Dillon" <dillonmk@aces.edu>, "Mike Brookins" <mbrookins@gadsdenwater.org>, "Mike Lankford" <mlankford@gadsdenwater.org>, "Mike Osborne" <mosborne@etowahcounty.org>, "Pam Burgess" <pburgess@attalla.k12.al.us>, "Robert Nail" <mail@etowahcounty.org>, "Rodney Wall" <rodneywall@cityofglencoe.net>, "Tim Adams" <tadams@gadsdenstate.edu>, "Tim Heard" <heard@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 Meriman" <bsm0015@auburn.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 aquifer 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

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
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- Registration Procedures

Operating Financial Data



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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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 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.



Etowah County Water Festival

Friday, December 8, 2016

[Click to Watch Primetime News Live at 9!](#)



An Etowah County organization is educating students about keeping their community beautiful. The 10th annual Etowah County Water Festival was held on the Wallace Drive Campus of Calhoun State Community College located by Keep Etowah Beautiful. More than 1,200 fourth graders from several schools took part in the hands-on activities. Keep Etowah Beautiful Executive Director, Lisa Brown says the kids are eager to learn. High school students help teach the younger students about water cleanliness. The festival is designed to educate students and their families about all aspects of groundwater. Students and teachers received a free Water Festival t-shirt. The students got to attend a magic show by the Fisher Magicians as well.

Tags: news





ETOWAH COUNTY SCHOOLS

PREPARING OUR STUDENTS FOR THEIR FUTURE

1200 West Peachtree Blvd., Gadsden, AL 35904
Phone 206.549.7500 | Fax 206.549.7502

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[Etowah County Schools / Our District / What's New / Students Participate in Water Festival](#)

Students Participate in Water Festival

Etowah County 4th Grade Students Participate in Water Festival

Posted on 12/09/16



Etowah County 4th-grade students participated in the Water Festival on Friday, December 9, 2016, at Gadsden State Community College. The Gadsden Water Board, Keep Etowah Beautiful, Gadsden State Community College and the City of Gadsden sponsored the Festival. 4th-grade students participated in hands-on activities while learning about water filtration and the water cycle. This year's theme was "Water Our Nature Treasure." Adan Koil from John S. Jones Elementary was the logo winner. Every student that participated received a t-shirt with Adan's logo.

1200 West Peachtree Blvd., Gadsden, AL 35904 | Phone 206.549.7500 | Fax 206.549.7502
Website by [SchuylerTechnology Partners, Inc.](#) © 2017 West Corporation. All rights reserved.



United States Department of Agriculture

Service Center Employee Directory



Serving ETOWAH County, Alabama

Natural Resources Conservation Service

GADSDEN SERVICE CENTER

312 S 3RD ST
GADSDEN, AL 35901-5299
(256) 546-2336
(877) 450-6833 fax

Mailing Address:

312 S 3RD 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.usda.gov

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Site: 2001
Office: 60963

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(toll free in-state)
or
(205) 348-4878
<http://prose.eng.ua.edu>**

This project was partially funded by the U.S. Environmental Protection Agency and the Alabama Department of Environmental Management.

Funding through the Alabama Department of Economic and Community Affairs, Science, Technology and Energy Division. This brochure prepared with the partial support of the U.S. Department of Energy Grant No. DE-FC01-88BT00756. However, any opinions, findings, conclusions, or recommendations expressed herein are those of the authors and do not necessarily reflect the views of DOE.



Water Contamination

All surface water contains some contaminants, but some water bodies are cleaner than others. Also, many water bodies contain natural well as anthropogenic (human-caused) contaminants. Residents of the state are familiar with the sediment that turns the rivers the color of chocolate milk. This is a natural contaminant, although some land-use practices increase sediment input to rivers. Surface water should be sufficiently free of contaminants to support a wide variety of uses, including boating, fishing, swimming, irrigation, and drinking. In fact, surface water is used extensively for drinking water in Alabama. Therefore, we must ensure that water contamination is kept to safe levels.

The state is chiefly agricultural, and the major kinds of water pollution are nutrients, sediment, and bacteria. Thus, best management practices in the major agricultural industries have the potential to substantially reduce water pollution.

Some of the most important areas covered by surface water are wetlands—more than 3.5 million acres. Wetlands slow and store runoff thereby preventing flooding. They also filter contaminants as surface water moves through the wetland system. Wetlands in many areas are being destroyed by timber harvesting and drainage for agricultural use. Using best management practices can minimize wetland destruction.



Stream sampling

Did You Know?

About 80 percent of the Earth's surface is covered with water, yet of the total volume of water present on Earth, only 0.3 percent is fresh water found in lakes, rivers, and aquifers within a half mile of the Earth's surface.

Surface water is one of the most fragile resources on Earth, because most pollutants that seep into the environment end up in lakes and rivers.

Eighteen percent of all surface water in the contiguous 48 states flows through Alabama (33.3 trillion gallons of water per year).

The average Alabamian uses about 170 gallons of water per day for domestic purposes at a cost of about \$2.00 per 1,000 gallons.

The most common surface-water pollutants in the state are oxygen-depleting wastes and nutrients, which come from agriculture and municipal wastewater.

Seventy-eight percent of all water withdrawn in the state is used for power generation.

About 22 inches of the state's 53 inches of average annual rainfall runs off into surface water bodies.

Forty percent of the nation's recycled waters are not recycled for swimming, fishing, or other recreational activities.

About nine percent of the state's streams and rivers meet designated use criteria.

For More Information

Stream Flow: U.S. Geological Survey Telephone number 334-373-2332 and on the Internet at <http://water.usgs.gov>

Water Regulation: Alabama Department of Environmental Management, Telephone number 334-271-5633 and on the Internet at <http://www.adem.state.al.us>

Water Testing: Alabama Department of Public Health, Telephone number 334-613-9373

Water-Quality Data: Geological Survey of Alabama, Telephone number 334-549-2432 and on the Internet at <http://www.gsa.state.al.us>

Water Availability: Geological Survey of Alabama, U.S. Geological Survey

Weather and Climate: National Climatic Data Center and on the Internet at <http://www.ncdc.noaa.gov/forecast/RegionalClimateCenter> on the Internet at <http://water.droughtis.us/climate/forecast>

Water Pollution and Protection: Alabama Nonpoint Source Assessment Center for Environmental Research and Service, Troy State University, Troy AL 36088



Timberlake River at Apopka

SURFACE WATER

Resource for Today and Tomorrow

Annual Runoff In Inches



Water In Our Lives

Nearly 80 percent of the Earth is covered with water but only 3 percent of the Earth's total volume of water is fresh water. Abundant supplies of fresh water are necessary to maintain our quality of life. Alabama is blessed with plentiful water resources, the result of abundant rains and numerous rivers and streams. The rivers are used for boating, fishing, flood control, commercial large transportation, hydroelectric power generation, and irrigation. Alabama contains, in addition to nearly 50,000 miles of perennial rivers and streams, almost half a million acres of reservoirs, lakes, and ponds. These water bodies are used for boating, fishing, boating, irrigation, and swimming, and provide habitat for a wide variety of wildlife. Four acres of surface water require that the water be clean. Fifty-six percent of Alabamians use surface water for drinking water. Rivers and lakes become too polluted, they cannot be used as sources of drinking water, for fishing, swimming, or for irrigation.

Not all effects of water are beneficial. Heavy spring rains frequently create stream channels and flood plain, roads, and more. Floods erode fertile topsoil, but their effects on humans can be attractive and even deadly. At other times, droughts can stunt crops and shatter water bodies.

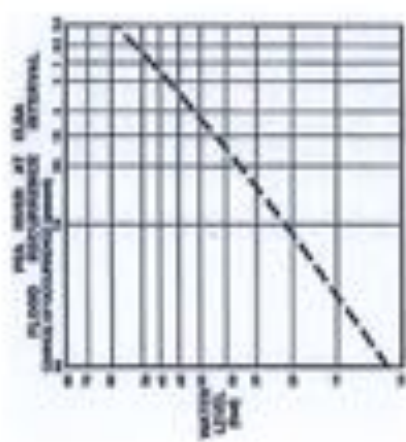
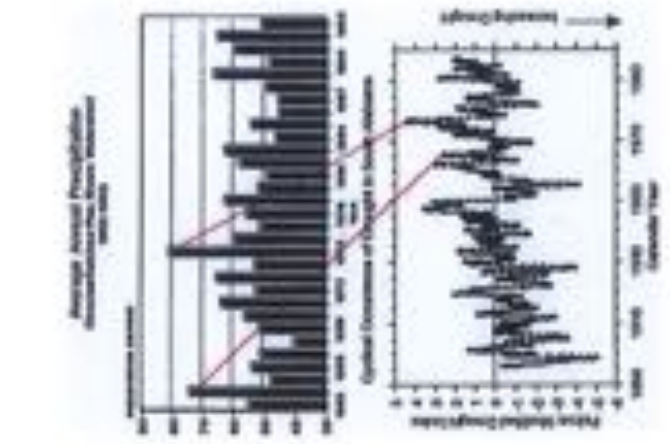
Too Much Or Not Enough

Floods and droughts are common but infrequent events in Alabama. We are beginning to understand some of the causes of both.

Flooding results from short-term (hours to days) and seasonal precipitation events, but drought results from sustained to multi-year trends

Most floods in the state are triggered by winter to spring rains (January to April). Rain is frequent in the spring and the ground remains wet when rainfall is heavy, much of the water immediately runs off the saturated ground. Many tropical cyclones (tropical storms and hurricanes) make landfall in south Alabama, and some result in flooding. However, most tropical cyclones form in late summer and fall, so few cause major floods because the ground is continuously dry at this time of year.

By contrast, drought results from a long period (months or more) of little or no rainfall. The two graphs below show variations over several decades in precipitation and drought occurrence in south Alabama. Long periods of high or low precipitation affected the drought index for this region.



When no rain falls, why do rivers continue to flow? During times of low flow and little rainfall, lake water levels and stream flow are maintained by ground water which seeps into lake and river beds.

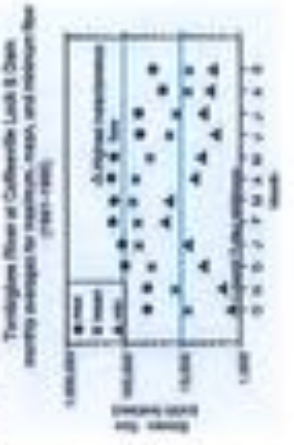
People would like to be able to predict floods to minimize the destruction they can cause. Prediction of major floods is difficult because floods occur at irregular time intervals. One way to predict flooding was the percent chance (probability) that a flood of a certain magnitude will occur in any given year. For example, the biggest recorded flood at Etta, Culliva County, occurred in 1929—the river rose to about 43 feet. The graph above is based on all maximum annual floods that have been recorded at Etta. According to this graph, there is about one chance in 63 that a flood at least as great as the 1929 flood will occur at Etta in any given year. In other words, each year there is a 1.6 percent chance that a flood at least as great as the 1929 flood will occur.

Flood probabilities are calculated for a specific place. For example, at Etta, Culliva County, the second largest flood on record (the 1939 flood) has a probability of occurrence of about 3.6

percent. In a given year there is a 5.6 percent chance that a flood at least as great as the 1939 flood will occur.

The ability to accurately predict specific flood events and their magnitudes would allow citizens to take steps to protect themselves. An early warning system that uses rainfall and river levels to signal the onset of potentially dangerous flooding can be used. One such system has been installed in the Choctawhatchee-Panola Bluffs watershed. This flood warning system will increase the amount of time that residents have to prepare for a flood.

Controlling the effects of floods is another way to prevent harm to people and property. By using weirs, dams, levees, and other flood control devices can keep flood waters out of places they don't belong, the city street. Proper design of flood control structures requires an understanding of the possible range of water levels in rivers. The graph below shows monthly average water levels for the Tombigbee River at Cullowee in Clarke County. The points on the graph represent the average of the monthly values of minimum, mean, and maximum flow over a 30-year period. The regular variations in flow with the seasons (high in spring and low in fall) is obvious. In addition, the highest flow ever recorded, and the lowest minimum flow ever recorded over 7 days are shown on the graph. The highest recorded flow is nearly 100 times the lowest 7-day minimum flow. River management must take this entire range into account.



Sediment Sources



Question: Why do we have off-site sediment and muddy water (turbidity) problems? The answers are in the pictures below and to the right.



Farms with Eroding Fields



Disturbed Forests with Seductive BMPs



Abandoned Dirt Pits, Abandoned Purlins, Stumps, and Limbs Cause Muddy Water that Impacts the Health of our Watersheds

Abandoned Fields in the Upper Agricultural Forest Watershed and Linear Construction



Construction Sites of ALL SIZES (subdivisions, commercial, schools, and roads)



Dirt Roads

A problem situation may have been left out, but you should get the picture . . .

Sediment and muddy water (turbidity) comes from the land that needs stewardship of our soil and water.

Let's Look at Sediment!



Alabama is blessed with abundant rainfall, creeks, rivers, lakes, and reservoirs. Erosion problems should be addressed!

What Can You Do?

AL Landowners: Control erosion and minimize off-site sediment delivery at your sites.

Planners and designers of construction sites: Develop plans that use sound technology to minimize erosion and sediment delivery.

Developers: Ensure that your newly developed sites do not create sediment and turbidity problems.

Contractors: Install and maintain best management practices (BMPs) according to the stormwater pollution prevention plan.

Local governments: Enforce that your regulations are sound and effectively followed.

AL Alabama citizens: Support local and state programs of soil and water conservation.

Visit the website of the Alabama Soil and Water Conservation Committee for links to participating participants: www.aswc-alabama.gov

This brochure was developed under the leadership of the AL Soil & Water Conservation Committee with support of the Erosion and Sediment Control Steering Committee members of the Steering Committee with appreciation from the entities listed:

- AL Association of Conservation Districts
- AL Department of Environmental Management
- AL Department of Transportation
- AL Soil & Water Conservation Society
- American Farmers' Contractors of AL
- Nature Builders Association of AL
- USDA-Nature Resources Conservation Service

with assistance from the Alabama Water Vision Program and Auburn University. Brochure partially funded by the Alabama Department of Environmental Management through a Clean Water Act Section 104(b) temporary grant project provided by the U.S. Environmental Protection Agency Region 4.

Sediment

Sediment

Sediment!

Why All The Fuss?

We often hear, "Sediment is the nation's biggest pollutant in our streams, lakes, and water courses."

Sediment impacts the environment! It costs land owners and local and county governments countless dollars.

This brochure has two purposes:

- Help readers gain a better understanding of the problems associated with sediment
- Stimulate awareness of our land and water resources

Sediment is the soil particles that are detached during the erosion process. These particles are deposited somewhere down the slope. Usual locations for sediment deposits include ditches, ponds, lakes, creeks, and rivers. Some sediment reaches the Gulf of Mexico.

As there is more to the story. While some soil particles are deposited, other smaller soil particles can remain in the water for a long time. This water is "murky" and damages the aquatic environment.

The impacts of sediment and turbidity can be seen in pictures to the right.

Pictures on the back of this brochure show sites that receive excessive sediment and turbid water and discuss problems to our waterways and the aquatic environment.

In addition to the purposes stated above, this brochure also illustrates why sediment and turbidity are considered non-point pollutants. These pollutants come from many sites and collectively create problems that need to be addressed.

As concerned citizens - make this brochure directly, and then pass it on to someone else for their benefit.

Accelerated erosion, sediment, and turbidity

These natural process of erosion is accelerated by human disturbance of the land. The resulting sediment and turbidity are harmful to aquatic life in streams, reservoirs, estuaries and bays of Alabama.



Non-point runoff erodes produce sediments that enter local waterways and starts a journey downstream, maybe to Mobile Bay or other bays in the Gulf of Mexico.

Erosion occurring in Georgia, Mississippi, and Alabama contributes to the sediment problem at right that starts from the Mobile Delta through Mobile Bay out into the Gulf of Mexico



Environmental Problems

Sediment clogs stream bedrocks and clouds the water. Sediment degrades aquatic habitat and turbidity reduces light and plant growth. This disrupts the food chain and impacts fish and aquatic insect populations.

Crayfish

Darter

Mayfly

These aquatic insects and fish are important food sources for many sport fish found in Alabama.

Reduces Populations of Sensitive Sport Fish

Suspended sediment reduces visibility and damage fish gills, affecting the ability of fish to feed and breathe. Pollution-sensitive sport fish such as bass and trout are often replaced with more pollution tolerant and less popular carp and suckers.

Bluegill

Largemouth Bass

Striped Bass

Desirable sport fish that are negatively affected by sediment

Transports Harmful Levels of Pollutants
Sediment carries pathogens, nutrients, and toxic materials such as heavy metals and chemicals into our waterways. These pollutants affect drinking water and surface water quality. Contaminant is increased water treatment costs, fish consumption advisories, and expand oxygen depleted "anoxic zones" commonly called "dead zones" in the Gulf of Mexico.

Pollutants accumulate in fish tissue and are hazardous to other organisms when consumed.

Sediment Impacts our Waterways.



Bridge removing sediment from the Alabama River.

WHAT CAN YOU DO?

- Participate in or establish a clean water partnership program
- Become a certified citizen volunteer water quality monitor or establish a program in your local community or watershed
- Review TMDLs and provide comments into development and implementation processes
- Participate in the planning and development of TMDLs and watershed-based protection plans for impaired and threatened waters
- Support urban planning, sprawl, littering, and pollution prevention initiatives
- Service your vehicle regularly to prevent oil and antifreeze leaks and to reduce noxious emissions
- Do not use storm drains to dispose of grass clippings, petroleum products, trash, or litter
- Report sewer leaks and overflow problems
- Use porous materials instead of impervious paved surfaces. Leave and protect green space
- Use chemical and pesticides according to labels and fertilizers based on soil test results. Limit uses and store and dispose of properly
- Properly dispose of pet waste
- Leave in-place or establish vegetation alongside streams to provide natural filters or buffers and to stabilize stream banks
- Properly maintain septic tanks and field lines



Common Water Quality Impairments In Alabama

CAUSES

- Organic Enrichment /Dissolved Oxygen
- Turbidity/Siltation
- Pathogens
- Nutrients
- Metals
- pH
- Unsanitized Ammonia
- Priority Organics
- Unknown Toxicity
- Pesticides
- Habitat Alterations

SOURCES

- Animal/Confined Animal Feeding Operations
- Poultry Grazing
- Urban Runoff/Storm Sewer
- Municipal/Industrial
- Abandoned Surface Mines
- Hydrologic Modifications
- Unknown

WATER QUALITY PROTECTION

IT'S EVERYONE'S BUSINESS

TO LEARN MORE:

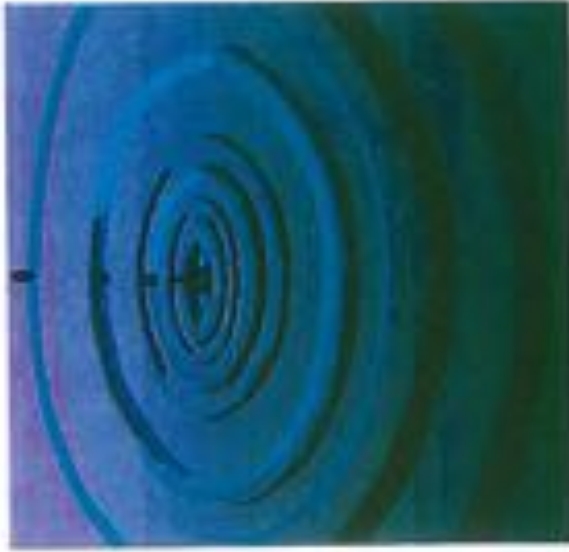
- www.epa.gov/owow/tmdl
- www.epa.gov/region4/water/tmdl
- www.adem.state.al.us
- www.TMDL.net

This brochure was funded by the Alabama Department of Environmental Management using a Clean Water Act Section 319(b) Nonpoint Source Grant provided by the U.S. Environmental Protection Agency - Region 4.

THINK TMDL

FACTS about Alabama's

Total Maximum Daily Load Program



Alabama Department of Environmental Management

Office of Education and Outreach
PO Box 301463
Montgomery, Alabama 36130-1463

Telephone 334-394-4360

Fax 334-394-4383

E-mail ocemail@adem.state.al.us



What is a TMDL?

Water quality monitoring data is collected and compared with state water quality standards. If any standard is violated, the watershed is placed on the state's Section 303(d) List of Impaired Waters.

Once a watershed is placed on the List of Impaired Waters, a TMDL is calculated to determine the amount of pollutant that a watershed can assimilate and still meet state water quality standards.

A TMDL establishes a "pollution budget" for each pollutant causing a water quality impairment.

A TMDL will address both point and nonpoint source pollution. It identifies specific pollutants (e.g., pesticides, pH, ammonia, etc.) and links them to their sources (e.g., pasture/row crop runoff, surface mining runoff, wastewater discharge, etc.).

A single watershed or stream segment may have several TMDLs developed if it is impaired by more than one pollutant. A TMDL will be developed to address bacteria, dissolved oxygen, nutrients, pH, metal, turbidity, or other impairments, separately and distinctly.

Once a TMDL has been developed, the next step is implementation. A TMDL implementation plan is a strategy for recommending management measures needed to reduce pollutant loadings and restore impaired waters. The plan should seek to improve or protect water quality throughout the watershed.



Section 303(d) of the 1972 Clean Water Act Requires:

- States to develop a List of Impaired Waters that do not meet water quality standards even when technology-based pollution 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 a violation of a water quality standard.
- The EPA to approve or disapprove the state's List of Impaired Waters and any TMDLs developed by the state. If the EPA disapproves, they will establish a new List and/or develop new TMDLs for the state.

HOW DO WATERS GET IMPAIRED?

Pollutants may enter watersheds from municipal wastewater treatment facilities, industrial discharges, waste disposal sites, and stormwater runoff. This is called *point source* pollution because the pollutants are discharged from a distinct "end-of-pipe" discharge point.

Pollutants may enter watersheds from many and varied sources. As rainfall runoff moves over the surface of the ground, pollutants such as animal waste, litter, petroleum products, metals, fertilizers, pesticides, pathogens, and sediment may be picked up and transported to a receiving waterbody. This is called *nonpoint source* pollution. Agriculture, urban/contractor, forestry, mining, hydrologic/habitat modification, land disposal and other land use activities contribute to this type of pollution.

In some instances the distinction between point and nonpoint source pollution is unclear. Such is the case with onsite septic treatment systems (septic tanks, field lines), atmospheric transport and deposition (acid rain, mercury), or naturally occurring pollutants (natural leaching, wildlife impacts).



HOW ARE TMDLs ESTABLISHED?

A mathematical water quality model of the waterbody is constructed. The model is used to predict how various pollutants affect water quality and also provides a maximum pollutant loading target in order for the waterbody to meet or exceed water quality standards and use classifications.

$$\text{TMDL} = \text{Load Allocation (nonpoint sources and natural background sources)} + \text{Watershed Allocation (point sources)} + \text{Margin of Safety}$$

WHAT HAPPENS AFTER A TMDL IS ESTABLISHED?

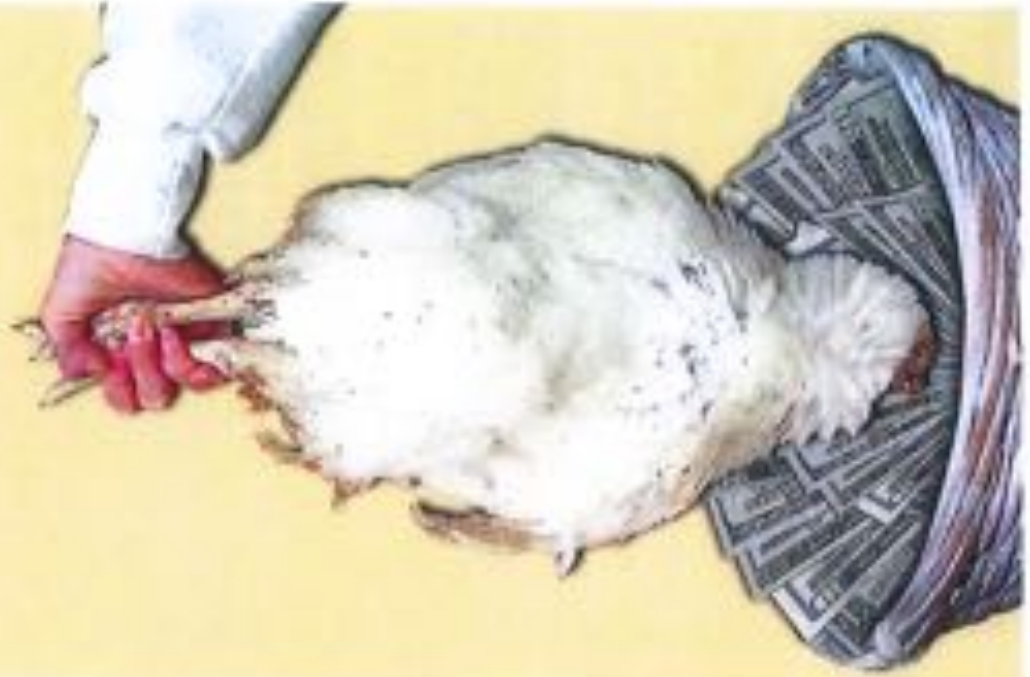
A TMDL implementation plan will be developed. The plan will identify sources and causes of the pollutant of concern and provide a strategy for implementation of practical management measures needed for the waterbody to meet or exceed water quality standards.

Management measures may include upgrading of wastewater treatment facilities; controlling polluted farm streets, parking areas, or land disturbance sites; or using enforceable authorities and mechanisms. Citizen involvement, education and outreach, and pollution prevention are key components of all TMDL implementation plans.

Water quality monitoring and assessments are critical in determining if implementation of management measures are effective in reducing pollutant loadings and protective of water quality.

Dead Birds & Dollar \$

Poultry Disposal Alternatives



INCINERATION

is one of the most biologically safe methods of dead bird disposal. This method completely

destroys pathogens and does not affect water quality. The size of the burner varies upon the size of the poultry farm. Oil, natural gas and propane are all acceptable fuels for combustion, however, the rising cost of fuel, the absence of the composted bi-product and possible air quality issues are considerations.



BIN COMPOSTING

is one of the most commonly practiced methods of dead bird disposal. Utilizing readily accessible ingredients, composting is a natural process that kills bacteria and viruses with heat in excess of 130 degrees Fahrenheit. This yields a viable by-product with minimal or no water quality issues. After the initial investment the main cost of this properly managed method is labor.



IN VESSEL (DRUM)

composting is relatively easy and a time saving method of dead bird disposal. Temperatures in excess of 130 degrees Fahrenheit kill bacteria and viruses. Properly land applied, the compost poses minimal or no water quality issues. This is a cost competitive disposal method for 4 to 8 house operations.



REFRIGERATION

is one of the easiest and least time consuming methods of dead bird disposal. The carcasses are

removed from the farm and shipped to a rendering facility which must be located nearby. The cost of electricity, pick-up fees and the absence of the composted bi-product are considerations.



FERMENTATION

is a relatively safe but time consuming method of dead bird disposal. The fermenting process allows for long-term carcass storage. Like refrigeration, fermentation requires a rendering plant be located close by. Again, the absence of a valuable compost bi-product, labor and transportation costs are considerations.

* Rendering is a process that converts the inedible poultry parts, including mortalities, into a valued protein source for animal feed.

For More Information Contact:

Alabama Mountains, Rivers, & Valleys ROAD Council, Inc.
 411 US Highway 31 South
 Dozier, Alabama 35063
 (205) 353-6146 ext. 2



17 to 42 million birds require disposal in Alabama each year



Alabama poultry farms produce over 850 million broilers each year. Mortalities average from 2% to 5%, which means annually there are between 17 and 42 million dead birds requiring disposal. Improperly handling mortalities not only impacts the environment we must live in, it also impacts our wallets. The methods of disposal vary from farm to farm as does the associated costs of each method. The decision of which disposal method to use is primarily based upon two factors, time and money. One must determine the amount of time required daily, weekly, monthly, and annually to operate a chosen method. One must also determine the amount of money required to implement and operate a chosen method. Armed with this information, the approximate numbers and weight the birds to be disposed of, a cost per pound for dead bird disposal may be derived. There are several methods or practices in use that maintain a safe environment, they are: refrigeration, fermentation, incineration, bin composting and in-vessel or drum composting. To assist with the costs of the practices, the Natural Resource Conservation Service (NRCS) in cooperation with the local Soil & Water Conservation District (SWCD) administrators 401-60-DUP cost share grants which may assist qualified applicants.

	Costs	Composting (300 sq ft)	Flurry Drum Composter	Insulation Prepart	Refrigeration Rendering
NRCS	Initial Costs = build facilities building, slab of concrete				
2 houses or @ 40,000 birds		\$ 2,550	\$ 18,250	\$ 3,500	\$ 3,650
4 houses or @ 100,000 birds		\$ 6,375	\$ 18,250	\$ 4,500	\$ 3,650
8 houses or @ 200,000 birds		\$ 12,750	\$ 18,250	\$ 9,000	\$ 7,300
NRCS	Annual Variable = build include: labor, machinery, compost ingredients, electricity, gas, fuel, maintenance				
2 houses or @ 40,000 birds		\$ 1,458	\$ 525	\$ 960	\$ 2,100
4 houses or @ 100,000 birds		\$ 2,900	\$ 600	\$ 1,680	\$ 2,100
8 houses or @ 200,000 birds		\$ 3,815	\$ 1,200	\$ 3,360	\$ 4,200
NRCS	Annual Fixed Costs = build include: structure, incinerator, freezer, composter, interest, power, water				
2 houses or @ 40,000 birds		\$ 300	\$ 2,170	\$ 670	\$ 545
4 houses or @ 100,000 birds		\$ 745	\$ 2,420	\$ 1,125	\$ 545
8 houses or @ 200,000 birds		\$ 1,492	\$ 2,720	\$ 2,250	\$ 1,048
NRCS	Annual Total Cost = annual fixed cost (add to) annual variable cost				
2 houses or @ 40,000 birds		\$ 1,758	\$ 2,695	\$ 1,630	\$ 2,645
4 houses or @ 100,000 birds		\$ 3,125	\$ 3,020	\$ 2,805	\$ 2,645
8 houses or @ 200,000 birds		\$ 5,367	\$ 3,920	\$ 5,610	\$ 5,288
NRCS	Values of By-Product = value of compost as fertilizer, or value of manure as an nutrient source				
2 houses or @ 40,000 birds		\$ 260	\$ 250	\$ 0	\$ 0
4 houses or @ 100,000 birds		\$ 500	\$ 500	\$ 0	\$ 0
8 houses or @ 200,000 birds		\$ 1,100	\$ 1,000	\$ 0	\$ 0
NRCS	Annual Net Costs = annual fixed cost (add to) annual variable cost (minus) value of by-product				
2 houses or @ 40,000 birds		\$ 1,498	\$ 2,425	\$ 1,630	\$ 2,645
4 houses or @ 100,000 birds		\$ 2,625	\$ 2,520	\$ 2,805	\$ 2,645
8 houses or @ 200,000 birds		\$ 4,267	\$ 2,920	\$ 5,610	\$ 5,288
NRCS	Cost / 100 lb of Carcass Disposed @ 12.6 lbs/bird; 31.8 lbs/bird; 63 lbs/bird				
2 houses or @ 40,000 birds		\$ 6.05	\$ 9.54	\$ 6.47	\$ 10.50
4 houses or @ 100,000 birds		\$ 4.05	\$ 3.96	\$ 4.41	\$ 4.16
8 houses or @ 200,000 birds		\$ 3.34	\$ 2.32	\$ 4.45	\$ 4.20
	Lifespan	15 years	15 years	7 years	16 years

Fixed costs amortized at 8% interest. All costs are based on a 4.0-6.5 pound bird; an increase in bird size denotes an associated cost increase.

Tables: information compiled by Alabama Mountain, Rivers, and Valley (AMRV) RCAD from Alabama Cooperative Extension System (ACES) - AMR-0114; AMR-0155; AMR-0261; AMR-0322; Georgia Cooperative Extension Service (GCES) - Mortality Management Options for Georgia Poultry Growers - Bulletin 1244 / March, 2004; USDA Natural Resource Conservation Service (NRCS)

- Credits:
- Rendering image courtesy of Culbert County SWCD and NRCS
 - Incineration image courtesy of Macon County SWCD and NRCS
 - Bin composting image courtesy of Culbert County SWCD and NRCS
 - In-vessel composting, Bucket of Dead Birds, & Drum image courtesy of Maury RCAD
 - Refrigeration image courtesy of Maury County SWCD and NRCS
 - Air composting image courtesy of Culbert County SWCD and NRCS



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

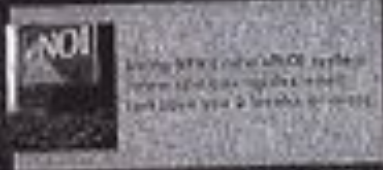


ATTENDANCE RECORD FOR
 STORM WATER STEERING COMMITTEE
 THURSDAY, JULY 28, 2016, 10:00 A.M.
 ROOM 411, GADSDEN CITY HALL

NAME	REPRESENTING	TELEPHONE/EMAIL
Jeremy Ward	City of Gadsden	256-549-4527 / jward@cityofgadsden.com
ROBERT NALL	ETOWAH CO.	256-549-5288
Jason Nicholson	City of Attalla	256-441-9200 jason.attalla@gmail.com
Heath Williams	City of Gadsden	256-549-4500 / hwilliams@cityofgadsden.com
Lisa C Johnson	City of Hokes Bluff	256-492-2414 lisa.johnson@cityofhokesbluff.com
Jimmie Whittemore	City of Southside	256-442-9770 ext 221 jwhittemore@cityofsouthside.com
Kevin Ashley	City of Rainbow City	256-413-1240 kashley@calabama.com
MIKE LAUFORD	GWWSB	256-312-6275 mlauford@gadsdenwater.org
Melissa Curry	GWWSB	256-543-2884 ext. 219

4. File a Notice of Intent (NOI)

The Notice of Intent (NOI) form has 175 lines that you use to file for permit coverage. It also your certification that you have read, understood, and implemented the requirements of CWA. The largest and most important feature of the NOI is through EPA's new online permit application system (eNOI). EPA's permit application system (eNOI) will allow you to file your NOI online. EPA will send you a 7-day waiting period after an NOI is filed and posted on EPA's Web site. EPA will also provide you with a copy of the NOI. The NOI is the first step in the permit process. After a permit is issued, you will need to file a permit application with EPA. During the waiting period, NOIs are reviewed for categorical exclusions, special permits, and other matters. Permit coverage begins at the conclusion of the 7-day period unless you are notified otherwise. Your completed NOI should be posted on the construction site in a place accessible to the public.



5. Implement all BMPs outlined in your SWPPP

Remember to follow your SWPPP. All BMPs must be inspected and maintained regularly. Inspections are required either (1) at least once every 7 days or (2) at least once every 31 days and within 72 hours of the end of a rain event of 0.2 inch or more. The plan must also be updated as site conditions and BMPs change. Remember to keep records of your inspections and any SWPPP modifications for review during inspection.

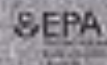
6. File an electronic Notice of Termination

You should terminate permit coverage when your project is completed (generally when 95% of the density of the original vegetation is reestablished) or required action, when the property has been disturbed and ownership has been transferred to the borrower, incidental property sale, or when another operator has assumed control over the site from operating well used by an NOI and must be accompanied by a permit. The electronic Notice of Termination form allows 175 lines that your construction project to complete and track your permit before under the permit. The form can be completed and filed using the eNOI system of termination photography.

1. Electronically submitted NOI are posted on EPA's Web site. EPA will send you a copy of the NOI. The NOI is the first step in the permit process. After a permit is issued, you will need to file a permit application with EPA. During the waiting period, NOIs are reviewed for categorical exclusions, special permits, and other matters. Permit coverage begins at the conclusion of the 7-day period unless you are notified otherwise. Your completed NOI should be posted on the construction site in a place accessible to the public.

How Do I Get Stormwater Permit Coverage for My Construction Site?

A Construction Site Operator's Guide to EPA's Stormwater Permit Program



Who needs permit coverage?

If your construction project disturbs 1 or more acres of land through clearing, grading, excavating, or stockpiling of fill material, you may need permit coverage. Remember to count the acreage of the entire project even if you are responsible for only a small portion.



Why do I have to get permit coverage?

The National Pollutant Discharge Elimination System (NPDES) program requires construction projects to obtain permit coverage. On July 1, 2002, EPA adopted the Construction General Permit (CGP) to address construction projects that discharge stormwater. This permit, including discharge limits and best management practices, is required for all construction projects that discharge stormwater to public waters. If you are building a house or a building for your own development, you may need permit coverage. However, the permit is not required for residential construction that is limited to one acre and does not disturb more than 2,000 square feet of land.



The EPA has approved best management practices (BMPs) to help construction projects comply with the permit. BMPs include erosion control, sediment control, and stormwater management. Additional BMPs may be required for construction sites that discharge stormwater to public waters. EPA has approved best management practices (BMPs) to help construction projects comply with the permit. BMPs include erosion control, sediment control, and stormwater management.

EPA's Construction General Permit applies to the following areas:

- Public
- County of Columbia
- Idaho
- Alaska Territory
- Guam
- Hawaii
- Puerto Rico
- All Indian Country
- Parks, facilities, or gardens, if located outdoors, and landscaping
- Oil and gas operations and other activities in Texas and Oklahoma
- U.S. Territories of Guam, American Samoa, Northern Mariana Islands



For application information, please contact your local EPA office or visit the website www.epa.gov/epaospr/construction/.

Why is stormwater runoff an issue?

Stormwater runoff can carry pollutants such as sediment, oil, grease, paint, and other debris into streams, rivers, and lakes. This runoff can also carry nutrients and pesticides that can harm aquatic life. Stormwater runoff can also cause erosion and sedimentation, which can damage infrastructure and reduce water quality.



Who is responsible for a waterbody? The owner or operator of a waterbody is responsible for ensuring that the waterbody is not polluted. This includes preventing pollutants from entering the waterbody and ensuring that the waterbody is properly maintained.

I need permit coverage. Where do I start?

1. Read EPA's Construction General Permit (CGP)
The CGP is available at www.epa.gov/epaospr/construction/. Read the permit carefully and ensure that operators are fully responsible for complying with all its provisions.

Who submits an NCEP?
The "operator" submits a Notice of Erosion Control Plan (NCEP) to the local authority having jurisdiction (LAHJ). The operator is the party responsible for implementing the Stormwater Pollution Prevention Plan (SWPPP) on the job. The operator must include stormwater runoff control measures in the NCEP. Operators must include stormwater runoff control measures in the NCEP. Operators must include stormwater runoff control measures in the NCEP.

Develop a stormwater pollution prevention plan (SWPPP)
The SWPPP is a plan that describes how you will control stormwater runoff from your construction site. It includes best management practices (BMPs) to prevent sediment, silt, and other pollutants from entering the waterbody. The SWPPP must be approved by the LAHJ before construction begins. The SWPPP must be updated as your construction progresses.

Basic SWPPP Principles

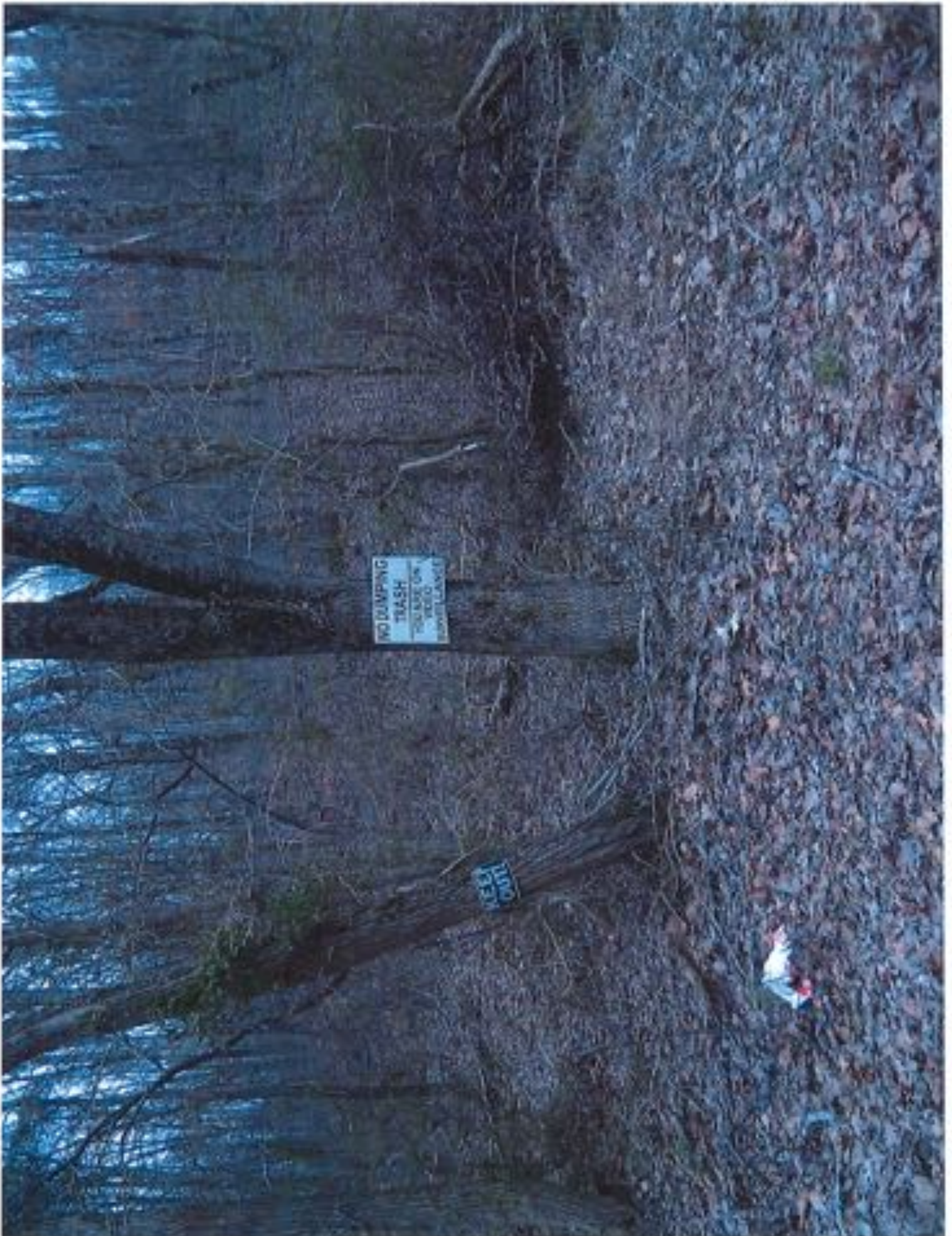
- Control sediment runoff using sediment control measures at the construction site.
- Control runoff to control erosion and sediment.
- Control the SWPPP as the conditions change during construction and improve the SWPPP if BMPs are not effectively controlling erosion and sediment.
- Maintain records of BMPs and BMPs to be updated as your construction progresses.
- Keep the construction site clean by putting trash in trash cans, keeping things like leaves and twigs in a trash can, and other measures.

2. Complete an endangered species determination for the project site
The permit requires you to complete a determination of whether there are federally listed endangered and threatened species and any designated critical habitat on or near the site. In making this determination, the permit requires you to consider areas beyond the immediate location of the construction activity and beyond the property boundaries that could be affected directly or indirectly by construction activities.

The local offices of U.S. Fish and Wildlife Service, National Marine Fisheries Service, and State or Tribal Wildlife Conservation Offices may be able to help you determine if there are any federally listed endangered or threatened species on or near the site. Visit www.epa.gov/epaospr/construction/ for more information.

How to get a stormwater permit

**NO
DUMPING
MAX. PENALTY
\$500 FINE AND
90 DAYS IN JAIL
ETOWAH COUNTY
HEALTH DEPARTMENT
256-547-6311**





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 bulky 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.

HOLIDAY SCHEDULE

There will be no pickup on the following holidays:

- New Year's Day
- Memorial Day
- Independence Day
- Labor Day
- Thanksgiving Day
- Christmas Day

ROUTES WILL BE PUSHED BACK ONE DAY FOLLOWING A HOLIDAY

For example, if Christmas Day is Tuesday, 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.

PUBLIC NOTICE

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.

PUBLIC NOTICE

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.

PUBLIC NOTICE

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.

PUBLIC NOTICE

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.



Robert Nail <mail@etowahcounty.org>

Advisory Message: Prescription Drug Take-Back Day Saturday

1 message

Etowah County Sheriff's Office <etowah-county-sheriffs-office@emails.ncde.com>
Reply-To: no-reply@emails.ncde.com
To: mail@etowahcounty.org

Thu, Oct 20, 2016 at 3:12 PM

Message sent via Hixie | Go to hixie.com | Unsubscribe

Thursday October 20, 2016, 3:11 PM



Etowah County Sheriff's Office



Forward

Advisory: Prescription Drug Take-Back Day Saturday

Dear Robert Nail,

(Etowah County, Alabama) The Etowah County Sheriff's Office and Drug Enforcement Unit are asking Etowah County citizens to participate in National Prescription Drug Take-Back Day.

The event will take place on Saturday, October 22nd, from 10:00 a.m. to 2:00 p.m. in the parking lot of the East Gadsden Wal-Mart.

"This is a great opportunity for individuals who have accumulated unwanted, unused prescription drugs, to safely dispose of those medications," says Sheriff 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.



National Take-Back Initiative

Saturday, October 22, 2016
10:00 a.m. - 2:00 p.m.

Where: East Gadsden Wal-Mart

**Sponsored by: Etowah County Sheriff's Office
Drug Enforcement Unit (DEU)**

Bring your unused or unwanted prescription medications, controlled or over the counter medications for FREE, proper disposal.

**The Question Asked!
How ID will be kept confidential!**

Help us protect your privacy about to ensure personal, sensitive information from being made available.

Sheriff Entekin 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 2018, 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 Entekin 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.](#)

Sent by Etowah County Sheriff's Office
827 Forest Ave, Gadsden, AL 35901

To manage your email settings, [click here](#). To update your account settings, [login here](#).
If you prefer not to receive future emails, [unsubscribe here](#).

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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 caused by the availability of dangerous controlled substances. When prescription

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 _____.



4 NEWS 5 11.5 3 5 7



88°

Low Cloud
Aniston

FULL FORECAST

Find your local Prescription Drug Take Back Day location

By **Brianne Denley**, Digital Content Producer · 08/08/20

BIRMINGHAM, AL (WBRC) - 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 FOCUS viewing area.

Don't see your local law enforcement on the list? Give them a call or search on the [DEA's website](#).

- Bessemer Police Department Bessemer** - Emergency Operations Center, 651 9th Avenue Southwest Bessemer AL 35020
- Birmingham Police Department - East Precinct** 600 Red Lane Road, Birmingham AL 35215
- Birmingham Police Department - South Precinct** 1320 19th Street S., Birmingham AL 35205
- Birmingham Police Department - North Precinct** 2600 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 AL 35040
- Calhoun County District Attorney - 7th Circuit Calhoun County Courthouse North Entrance**, Near Flagpole 25, West 11th Street Aniston AL 36201
- Calhoun County Sheriff's Office - Quincard Mall**, 700 Quincard Drive, Oxford AL 36203 Map
- Clanton Police Department - CVS Parking Lot**, 1105 7th Street North, Clanton AL 35045
- Cullman Police Department - 601 Second Avenue NE.**, Cullman AL 35055
- Cullman County Sheriff's Office - 1510 Beech Avenue SE.**, Cullman AL 35055
- Cossa County Sheriff's Office - 296 School Street**, Rockford AL 35136 Map
- Demopolis Police Department - Walmart**, 969 U.S. Highway 80, Demopolis AL 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 Decatur Highway**, Gardendale AL 35071
- Hoover Police Department - 100 Municipal Lane**, Hoover AL 35216
- Jacksonville Police Department - 116 Ladiga Street SE.**, Jacksonville AL 36265
- Jasper Police Department - 1610 First Avenue**, Jasper AL 35501
- Jefferson County Sheriff's Department - Bessemer**, 1822 2nd Avenue North, Bessemer AL 35020
- Jefferson County Sheriff Department - 2651 Center Point Road**, Birmingham AL 35215
- Jefferson County Sheriff Department - 5977 Eastern Valley Road** McCalla AL 35111
- Lineville Police Department - 40 Second Avenue**, Lineville AL 36264
- Midfield Police Department - 725 Bessemer Super Highway**, Birmingham AL 35228
- Mountain Brook Police Department - 101 Tibbett Street** Birmingham AL 35213
- Piedmont Police Department - 121 West Ladiga Street**, Piedmont AL 36272
- Shelby PAGE 5 OF 8 Enforcement - Winn Dixie**, 500 Inverness Corners, Birmingham AL 35242

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

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 over-the-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 Cleanup, 61 counties participated and have reported that over 368 tons of litter and debris were picked up during this annual statewide effort. We would like to thank the thousands of volunteers that participated in the 2016 effort. These volunteers and coordinators gave of their time and resources during this 2 week state cleanup effort. It is due to this personal commitment that over 360 tons of litter was removed from our state highways, county roads, cities, counties and communities all over Alabama. Each year, this annual effort save the taxpayers in Alabama millions of dollars in cleanup costs.

Thanks to Honda Manufacturing of Alabama for once again leading the way as Title Sponsor of the effort, as well as the Alabama Department of Transportation, ALFA, Vulcan Materials Company and Alabama Farmers Cooperative for their dedication to making Alabama truly "Alabama the Beautiful"

Thanks to each volunteer for you are truly "Making a Difference."

The "Don't Drop It On Alabama" Spring Cleanup is held in April each year and is available to all Alabama cities, counties and communities. All supportive cleanup materials are provided at no cost to all participants and include large trash bags, car type litter bags, all PACS brochures, Ad 280s and other materials valuable for a successful cleanup week.

Each year this annual effort saves the Alabama taxpayers millions of dollars through the cleanup efforts of thousands of dedicated volunteers 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
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 adopted section.

When participants are 15 years of age or younger, the Group shall furnish 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 Organization) _____

Mailing Address _____

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 _____
Adoption Organization

Approved: _____
County Engineer
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.

WITNESS 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	5	751.12	5.33	2,286	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



Robert Bentley
Governor

Alabama
Department of Transportation

North Region - Guntersville Area
Office of Operations Engineer
23445 Hwy. 431 North - PO Box 550
Guntersville, AL 35976
Telephone 256-582-2254
Fax 256-582-8922



John R. Cooper
Transportation Director

Etowah County MS4 Area Group
MS4 Program Coordination Meeting
19 January 2017

Meeting Location

ALDOT District Office
4509 Airport Road
Gadsden, AL 35904

Meeting Date and Time

19 January 2017
10:00 am to 12:00 pm

Invited Attendees:

ALDOT	City of Hokes Bluff
Etowah County	City of Rainbow City
City of Attalla	Town of Reece City
City of Gadsden	Etowah Soil & Water Conservation District
City of Glencoe	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?

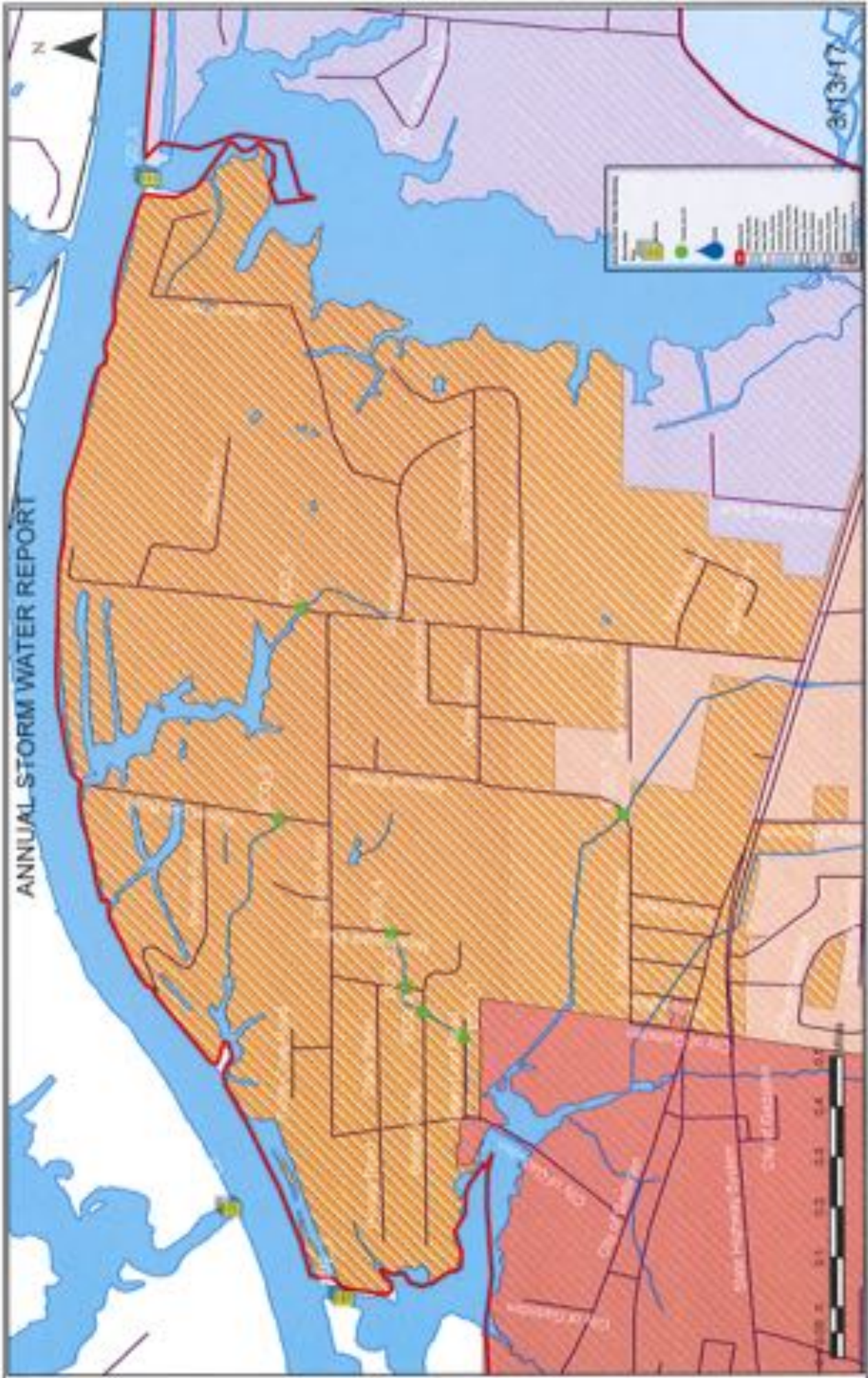
10. Adjourn



ALDOT MS4 Program
Gadsden Area Outfall Mapping Kick-off Meeting
 1/19/2017

<u>Name</u>	<u>Office/Area of Responsibility</u>	<u>Phone</u>	<u>E-mail</u>
<u>Richard Klingler</u>	<u>ALDOT/Maintenance</u>	<u>334-242-6583</u>	<u>Klingerr@dot.state.al.us</u>
<u>Dwaine Smith</u>	<u>Hydro E&C SA</u>	<u>334-740-4000</u>	<u>DSMITH@HYDRO-ENGINEERING.NET</u>
<u>Sushon Shrestha</u>	<u>HYDRO ENG. SOL</u>	<u>334-444-3021</u>	<u>sshrestha@hydro-engineering.net</u>
<u>Brianne Pele</u>	<u>ALDOT/Maintenance</u>	<u>256-253-8660</u>	<u>bpele@dot.state.al.us</u>
<u>J. Cary Adams</u>	<u>ALDOT/Drainage Manager</u>	<u>256-466-9111</u>	<u>adamsj@dot.state.al.us</u>
<u>William Sean Butler</u>	<u>ALDOT/Area Maint. Eng.</u>	<u>(256)582-2250</u>	<u>butlerw@dot.state.al.us</u>
<u>Jeremy Ward</u>	<u>City of Gadsden</u>	<u>256-549-4527</u>	<u>Jward@cityofgadsden.com</u>
<u>Angela Lambert</u>	<u>ALDOT/Maint.</u>	<u>256-582-2254</u>	<u>lamberta@dot.state.al.us</u>
<u>Will Vaughn</u>	<u>Etowah Co</u>	<u>256-549-5356</u>	<u>wvaughn@Etowahcounty.org</u>
<u>DAVID GOODWIN</u>	<u>ALDOT-MAINT</u>	<u>256-571-7267</u>	<u>GOODWIN@DOT.STATE.AL.US</u>
<u>Jim Bearemont</u>	<u>ALDOT-maint.</u>	<u>334-242-6624</u>	<u>Bearemontj@dot.state.al.us</u>
<u>Seth Burbett</u>	<u>ALDOT-N. Region</u>	<u>256-570-8530</u>	<u>burbett3@dot.state.al.us</u>





Outfall Points

Type	Location	Outfall_ID	Latitude	Longitude	MissRain_In	Access
Rainfall	Rainbow_City_AL	KALRA1987	33.822	-86.058		1.93 Land
Rainfall	Geistler_Municipal_Airport	KQAD	33.873	-86.088		2.54 Land
Rainfall	Neocobles_Fields	KALQAD9023	34.056	-85.994		2.06 Land
Rainfall	Holmes_Buff_AL	KALHORE232	33.993	-85.804		2.33 Land
Monitoring	Big_Wills_Creek	AT_5	34.006446	-85.069067		0 Land
Monitoring	Black_Creek	GD_8	33.996538	-85.024463		0 Land
Monitoring	Horton_Creek	RC_2	33.967683	-85.039476		0 Land
Monitoring	Neely_Henry_Lake	SS_13	33.891352	-85.049229		0 Land
Monitoring	U.T._to_Neely_Henry_Lake	SS_14	33.885921	-85.030683		0 Land
Monitoring	U.T._to_Neely_Henry_Lake	GD_12	33.952587	-85.003465		0 Land
Monitoring	U.T._to_Neely_Henry_Lake	CO_14	33.940904	-85.967704		0 Land
Monitoring	U.T._to_Cocosa_River	SME_2	34.002461	-85.001571		0 Land
Monitoring	Storm_Sewer_Outfall_Cocosa	GD_7	34.008361	-85.999777		0 Boat
Monitoring	Town_Creek	GD_8	34.01535	-85.996617		0 Land
Monitoring	U.T._to_Neely_Henry_Lake	CO_15	33.87228	-85.995354		0 Land
Monitoring	Rock_Creek/Dry_Creek/Cocosa	RC_14	33.963765	-86.111656		0 Boat
Monitoring	U.T._to_Cocosa_River	SS_5	33.941329	-85.021509		0 Boat
Monitoring	Big_Wills_Creek/Black_Creek	SME_1	33.990184	-85.004045		0 Boat
Monitoring	Cove_Creek	GD_5	34.014334	-85.924013		0 Boat
Monitoring	U.T._to_Neely_Henry_Lake	GD_3	34.01238	-85.953651		0 Boat
Monitoring	Cove_Creek	SME_3	34.006598	-85.96523		0 Boat
Monitoring	U.T._to_Neely_Henry_Lake	HB_3	34.002129	-85.882308		0 Boat
Post_Out_FL	Green_Leaf_Road	ECO_1	34.00685	-85.948693		0

Type	Location	Outfall_ID	Latitude	Longitude	MeanRain_In	Access
Pos_Out_FL	Burpee_Circle_1	E00_2	34.007804	-85.947988	0	0
Pos_Out_FL	Burpee_Circle_2	E00_3	34.008228	-85.947277	0	0
Pos_Out_FL	Meadowlark_Place	E00_4	34.008547	-85.94578	0	0
Pos_Out_FL	Robert_Lee_Road	E00_5	34.011228	-85.942422	0	0
Pos_Out_FL	Loetz_Road	E00_6	34.010724	-85.938238	0	0
Pos_Out_FL	McCluney_R_A_Minnow_Bf	E00_7	34.009013	-85.942328	0	0
Pos_Out_FL	Centre_Road	E00_48	34.014813	-85.839438	0	0
Pos_Out_FL	Day_Circle_1	E00_5	34.022324	-85.83922	0	0
Pos_Out_FL	Day_Circle_2	E00_9	34.023281	-85.833328	0	0
Pos_Out_FL	Lay_Springs_Road_1	E00_10	34.052228	-86.021485	0	0
Pos_Out_FL	Lay_Springs_Road_2	E00_11	34.050849	-86.029427	0	0
Pos_Out_FL	Dalmon_Drive@Black_Creek	E00_12	34.053485	-86.004431	0	0
Pos_Out_FL	Ferris_Road	E00_13	34.087154	-85.01148	0	0
Pos_Out_FL	Morgan_Drive_Northwest	E00_14	34.025493	-85.10732	0	0
Pos_Out_FL	Pine_View_Circle	E00_15	33.970482	-86.109729	0	0
Pos_Out_FL	Township_Road	E00_16	33.937927	-86.055204	0	0
Pos_Out_FL	Sumner_Bridge_Road@Big_WB	E00_17	33.990884	-86.045426	0	0
Pos_Out_FL	Subon_Bridge_RD_2	E00_18	33.985223	-86.044022	0	0
Pos_Out_FL	Steele_Station_RD	E00_19	33.978874	-86.050856	0	0
Pos_Out_FL	Whorton_Band_RD_1	E00_20	33.977881	-86.007028	0	0
Pos_Out_FL	Whorton_Band_RD_2	E00_21	33.961146	-85.985072	0	0
Pos_Out_FL	Pine_Haven_Road_1	E00_22	33.957285	-85.988847	0	0
Pos_Out_FL	Pine_Haven_Road_2	E00_24	33.957286	-85.992804	0	0
Pos_Out_FL	Richard_Road	E00_25	33.958505	-85.995781	0	0
Pos_Out_FL	Pine_Haven_Road_3	E00_26	33.957284	-85.99426	0	0
Pos_Out_FL	Pine_Haven_Road_4	E00_27	33.957317	-85.99813	0	0

Type	Location	Outfall_ID	Latitude	Longitude	Measur_in	Access
Post_Out_FL	Cherokee_Road	ECO_28	33.956127	-85.000068	0	0
Post_Out_FL	Garnon_Road_1	ECO_29	33.951028	-85.954342	0	0
Post_Out_FL	Garnon_Road_2	ECO_30	33.950485	-85.958539	0	0
Post_Out_FL	Garnon_Road_3	ECO_31	33.953754	-85.000092	0	0
Post_Out_FL	Whorton_Bend_Road_3	ECO_32	33.952565	-85.003479	0	0
Post_Out_FL	Whorton_Bend_Road_4	ECO_33	33.951797	-85.001405	0	0
Post_Out_FL	Hemp Drive NW	ECO_34	0	0	0	0
Post_Out_FL	Lakeshore Drive	ECO_35	33.94389	-85.957656	0	0
Post_Out_FL	Osley Drive	ECO_36	33.954425	-85.959839	0	0
Post_Out_FL	Beech Ridge Road	ECO_38	33.959715	-85.980312	0	0
Post_Out_FL	Cross Creek Lane	ECO_39	33.958153	-85.981076	0	0
Post_Out_FL	River Ridge Road_2	ECO_40	33.959904	-85.976838	0	0
Post_Out_FL	River Ridge Road_1	ECO_37	33.958435	-85.976569	0	0
Post_Out_FL	River Ridge Road_3	ECO_41	33.95602	-85.976085	0	0
Post_Out_FL	Caldwell Drive_1	ECO_43	33.955803	-85.981416	0	0
Post_Out_FL	Caldwell Drive_2	ECO_42	33.950314	-85.981278	0	0
Post_Out_FL	Grady Drive	ECO_45	33.952365	-85.987343	0	0
Post_Out_FL	College Parkway_1	ECO_44	33.971806	-85.971048	0	0
Post_Out_FL	College Parkway_2	ECO_45	33.971852	-85.969514	0	0
Post_Out_FL	College Parkway_3	ECO_46	33.971904	-85.965308	0	0
Post_Out_FL	College Parkway_4	ECO_47	33.972919	-85.964308	0	0

OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET

Section 1: Background Data

Drainage Basin: <u>WYBANTON EGLE</u>		Outfall ID: <u>EC-40</u>	
Today's Date: <u>1/21/16</u>		Time (Military): <u>1:51</u>	
Investigator: <u>R. PAUL / A. COSTA</u>		Form completed by: <u>R. PAUL</u>	
Temperature (°F): <u>64</u>	Rainfall (in.):	Last 24 hours: <u>0</u>	Last 48 hours: <u>0</u>
Latitude:	Longitude:	GPS Unit: <u>DART3</u>	GPS LMK #:
Camera:		Photo #:	
Land Use in Outfall Drainage Area (Check all that apply):			
<input type="checkbox"/> Industrial		<input type="checkbox"/> Open Space	
<input type="checkbox"/> Urban Residential		<input type="checkbox"/> Institutional	
<input checked="" type="checkbox"/> Suburban Residential		Other: _____	
<input type="checkbox"/> Commercial		Known Industries: _____	
Notes (e.g., origin of outfall, if known):			

Section 2: Outfall Description

LOCATION	MATERIAL	SHAPE	DIMENSIONS (IN.)	SUBMERGED
<input checked="" type="checkbox"/> Closed Pipe	<input checked="" type="checkbox"/> RCP <input type="checkbox"/> CMP <input type="checkbox"/> PVC <input type="checkbox"/> HDPE <input type="checkbox"/> Steel <input type="checkbox"/> Other: _____	<input checked="" type="checkbox"/> Circular <input type="checkbox"/> Single <input type="checkbox"/> Elliptical <input type="checkbox"/> Double <input type="checkbox"/> Box <input type="checkbox"/> Triple <input type="checkbox"/> Other: _____	Diameter/Dimensions: <u>26"</u>	In Water: <input checked="" type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully With Sediment: <input type="checkbox"/> No <input type="checkbox"/> Partially <input type="checkbox"/> Fully
<input type="checkbox"/> Open drainage	<input type="checkbox"/> Concrete <input type="checkbox"/> Earthen <input type="checkbox"/> Rip-rap <input type="checkbox"/> Other: _____	<input type="checkbox"/> Trapezoid <input type="checkbox"/> Parabolic <input type="checkbox"/> Other: _____	Depth: _____ Top Width: _____ Bottom Width: _____	
<input type="checkbox"/> In-Stream	(applicable when collecting samples)			
Flow Present?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>If No, Skip to Section 5</i>			
Flow Description (if present)	<input type="checkbox"/> Trickle <input type="checkbox"/> Moderate <input type="checkbox"/> Substantial			

Section 3: Quantitative Characterization

FIELD DATA FOR FLOWING OUTFALLS				
PARAMETER		RESULT	UNIT	EQUIPMENT
<input type="checkbox"/> Flow Method #1	Volume		Liter	Bottle
	Time to fill		Seconds	Stop watch
<input type="checkbox"/> Flow Method #2	Flow depth		Inches	Tape measure
	Flow width	_____	ft, in	Tape measure
	Measured length	_____	ft, in	Tape measure
	Time of travel		Seconds	Stop watch
Temperature			°F	Thermometer
pH			pH Standard Units	Test strip / probe
Ammonia			mg/L	Test strip

OUTFALL RECONNAISSANCE INVENTORY FIELD SHEET (CONTINUED)

Section 4: Physical Indicators for Flowing Outfalls Only

Are Any Physical Indicators Present in the Flow? Yes No (If No, Skip to Section 5)

INDICATOR	CHECK if Present	DESCRIPTION	RELATIVE SEVERITY INDEX (1-3)
Odor	<input type="checkbox"/>	<input type="checkbox"/> Sewage <input type="checkbox"/> Manure <input type="checkbox"/> Petroleum <input type="checkbox"/> Petrochemicals <input type="checkbox"/> Sulfur <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Faint <input type="checkbox"/> 2 - Easily detected <input type="checkbox"/> 3 - Noticeable from a distance
Color	<input type="checkbox"/>	<input type="checkbox"/> Clear <input type="checkbox"/> Brown <input type="checkbox"/> Gray <input type="checkbox"/> Yellow <input type="checkbox"/> Green <input type="checkbox"/> Orange <input type="checkbox"/> Red <input type="checkbox"/> Other	<input type="checkbox"/> 1 - First colors in sample bottle <input type="checkbox"/> 2 - Clearly visible in sample bottle <input type="checkbox"/> 3 - Clearly visible in outfall flow
Turbidity	<input type="checkbox"/>	See severity	<input type="checkbox"/> 1 - Slight cloudiness <input type="checkbox"/> 2 - Cloudy <input type="checkbox"/> 3 - Opaque
Flourishes (Does Not Include Trash)	<input type="checkbox"/>	<input type="checkbox"/> Sewage (wall paper, etc.) <input type="checkbox"/> Sludge <input type="checkbox"/> Petroleum (oil sludge) <input type="checkbox"/> Other	<input type="checkbox"/> 1 - Flourishes; Oxygen not obvious <input type="checkbox"/> 2 - Some indications of oxygen (e.g., possible scum or oil sheen) <input type="checkbox"/> 3 - Some Oxygen clear (e.g., obvious oil sheen, scum, or floating sanitary material)

Section 5: Physical Indicators for Both Flowing and Non-Flowing Outfalls

Are Physical Indicators that are not related to flow present? Yes No (If No, Skip to Section 6)

INDICATOR	CHECK if Present	DESCRIPTION	COMMENTS
Outlet Damage	<input type="checkbox"/>	<input type="checkbox"/> Spalling, Cracking or Chipping <input type="checkbox"/> Rusting/Pitting <input type="checkbox"/> Corrosion	
Depositions	<input type="checkbox"/>	<input type="checkbox"/> Oil <input type="checkbox"/> Flow Line <input type="checkbox"/> Paint <input type="checkbox"/> Other	
Abnormal Vegetation	<input type="checkbox"/>	<input type="checkbox"/> Excessive <input type="checkbox"/> Inhibited	
Flow pool quality	<input type="checkbox"/>	<input type="checkbox"/> Odors <input type="checkbox"/> Colors <input type="checkbox"/> Fouling <input type="checkbox"/> Oil Sheen <input type="checkbox"/> Sludge <input type="checkbox"/> Excessive Algae <input type="checkbox"/> Other	
River banks growth	<input type="checkbox"/>	<input type="checkbox"/> Brown <input type="checkbox"/> Orange <input type="checkbox"/> Green <input type="checkbox"/> Other	

Section 6: Overall Outfall Characterization

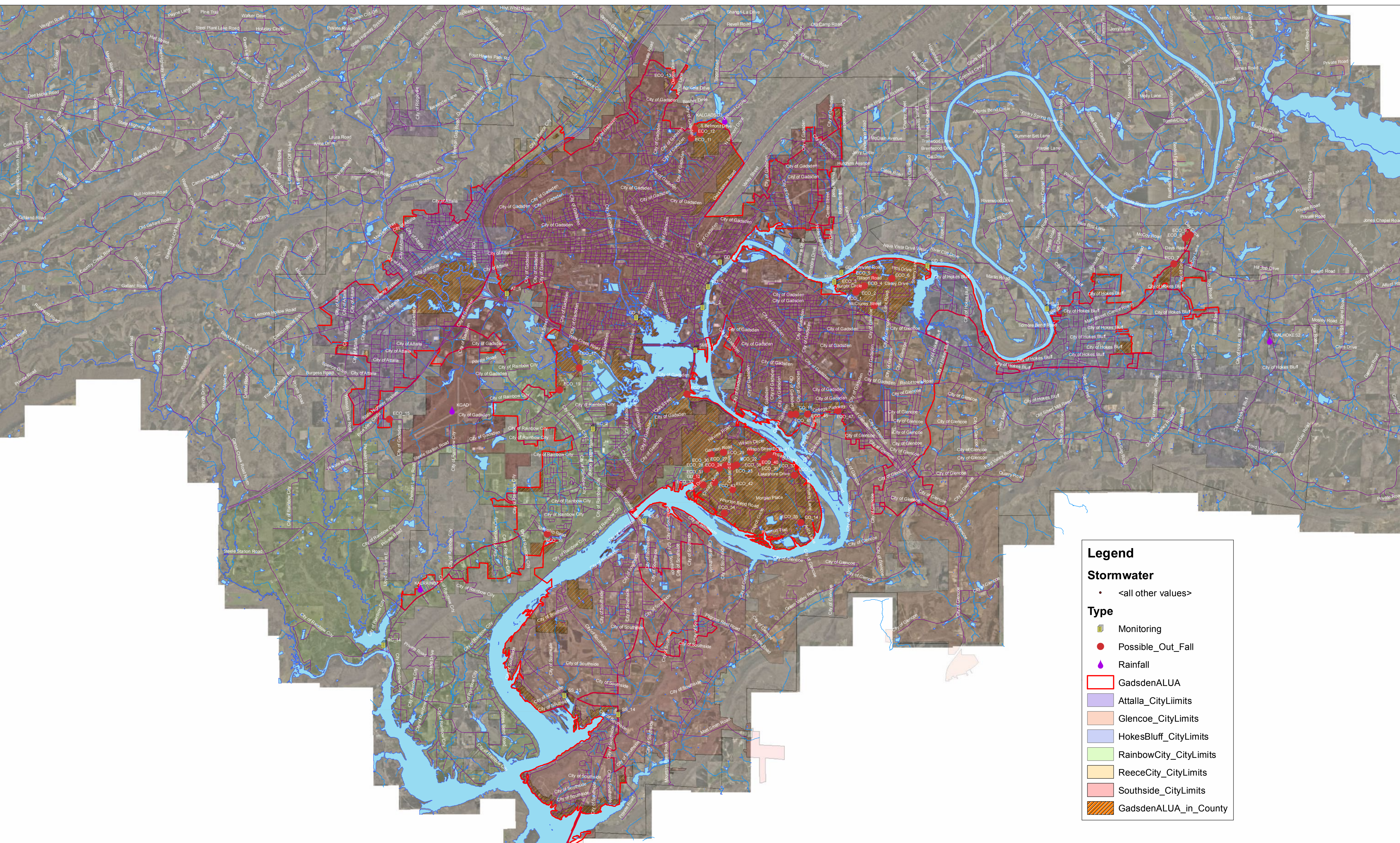
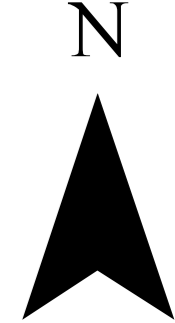
Unlikely Potential (presence of two or more indicators) Suspect (one or more indicators with a severity of 3) Obvious

Section 7: Data Collection

1. Sample by the user?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If Yes, what time was the sample collected?
2. If yes, collected type:	<input type="checkbox"/> Flow <input type="checkbox"/> Pool	
3. Interfered flow trap set?	<input type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, type <input type="checkbox"/> ODU <input type="checkbox"/> Catch dam

Section 8: Any Non-Ilicit Discharge Concerns (e.g., trash or needed infrastructure repairs)?

FIGURE 2



Legend

Stormwater

- <all other values>

Type

- Monitoring
- Possible_Out_Fall
- Rainfall
- GadsdenALUA
- Attalla_CityLimits
- Glencoe_CityLimits
- HokesBluff_CityLimits
- RainbowCity_CityLimits
- ReeceCity_CityLimits
- Southside_CityLimits
- GadsdenALUA_in_County

COMPLAINT # 61881C05842

RECEIVED AT ADEM

April 04, 2016 09:45 AM
Received via Web By Web Complaint

MEDIA/DIVISION CONTACTS

Water: Brad Stearns
334-271-7945

DESCRIPTION OF COMPLAINT:

Development of land on the Coosa River at the end of McCarver Drive in Gadsden. Disturbed land - mud. No erosion 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 Gadsden, AL. Turn right on Princeton Ave. Bear right as the road changes to Tidmore Bend Road. Turn right onto Kreekvie 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://goo.gl/maps/6Gf4qgrs958F2>

ADDITIONAL INFORMATION:**Problems noted (by Impacted Area):**

- Water - Construction Stormwater

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 [ADEM WebPage Complaint Search](#) 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.









COMPLAINT # 65-005802143

RECEIVED AT ADEMMarch 29, 2016 02:56 PM
Received via Web By Web Complaint**MEDIA/DIVISION CONTACTS**Water: Aaron Peters
334-364-4310**DESCRIPTION OF COMPLAINT:**

Large quantity of oil appears to be dumped on recently logged property and leaving the site. Observed: 3-29-2016

LOCATION OF COMPLAINT:Mountain Preserve LLC
6994 Delta Hollow Road (approx)
Gadsden, AL 35904ETOWAH COUNTY
34.08 LAT
-85.93 LON
HUC12 - 031501060204On Delta Hollow Road, Gadsden, AL approximately 2 miles northeast of the intersection with Glenn Gap Road. Site is directly across from the public shooting range owned by the Department of Conservation. Copy and Paste this link for driving directions <https://goo.gl/maps/5vcY0XPs8FV62>**ADDITIONAL INFORMATION:**

Problems noted (by Impacted Area):

- Water - Other (Water)

POTENTIAL SOURCES

Mountain Preserve LLC

ACTIONS**Water** - Evaluated/Investigated on 3/30/2016

Referral - External

performed by: Aaron Peters
3/30/2016

Comments:

Referred to Alabama Forestry Commission for initial investigation.

[Back](#)

***** Print or Save This Page for Future Reference *****

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 [ADEM WebPage Complaint Search](#) screen. Contact information for the ADEM staff assigned to your complaint will be available on the *Status Report*.

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Owner Information



Map to be used for TAX PURPOSES ONLY! Map not for conveyance use.

Ownership:

Parcel Number: 11 03 07 0 000 004 000

Year: 2020

Owner Name: MOUNTAIN PRESERVE, LLC

Mailing Address:

380 CLARK CREEK PASS

ACWORTH, GA 30102

Property Address:

0

Property Size:

Lot Dimensions:

Deeded Acres:

Calculated Acres:

Property Values:

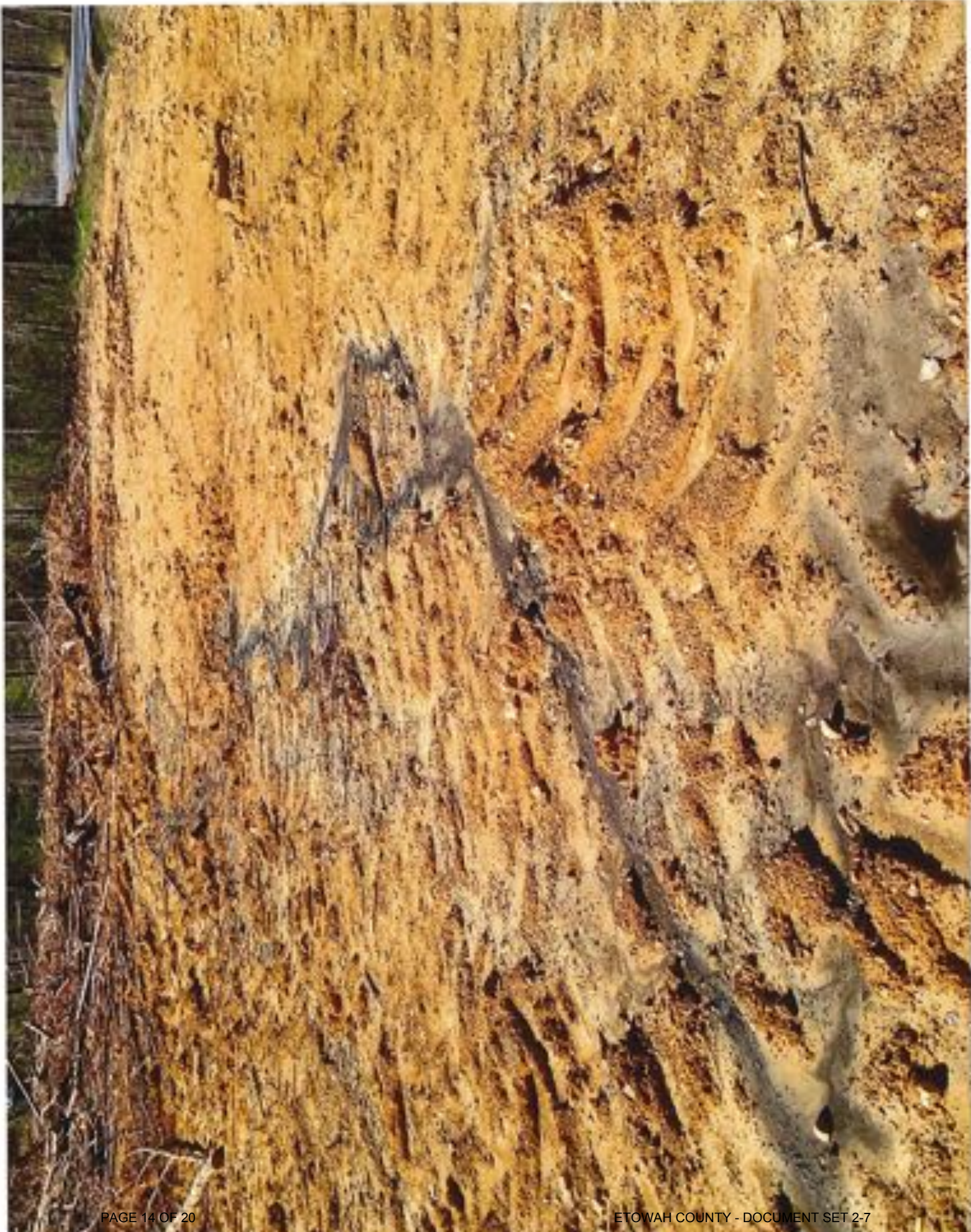
Value Year:



















 **lat:** 34.083039°
lng: -85.932881°
zoom: 16

 **lat:** 34.063388°
lng: -85.931146°
heading: 148.78°
pitch: -13.43°
zoom: 0
distance: 45.9 metres

Auto Bird's Eye

[Zoom Fit](#) [Full Page Map](#) [Create New Map](#)



***** Print or Save This Page for Future Reference *****

Your Complaint Number is: **IC-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 [ADEM WebPage Complaint Search](#) screen. Contact information for the ADEM staff assigned to your complaint will be available on the *Status Report*.

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COMPLAINT # 1C-2085U3Q28

RECEIVED AT ADEM

March 07, 2016 07:19 AM
Received via Web By Web Complaint

MEDIA/DIVISION CONTACTS

Water: [Josh Therman](#)
205-942-6168

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

ETOWAH COUNTY
33.99 LAT
-85.93 LON
HUC12 - 021501060203

From the intersection of Hwy 431 (Meighan Blvd) and Hwy 278 E, Go East approx 1.7 miles on Hwy 278. 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

Ann M. Lipson

[Signature]

MARK LUMPKIN

Mark Lumpkin

Monique Sears

Monique Sears

Jonathan Skatch

[Signature]

Donald Kelley

Donald Kelley

JAMES NAH

James Nah

JR Pat

[Signature]

Rick Kuhn

Richard A. Kuhn

Eric Heard

[Signature]

[Signature]

Spencer Willard

[Signature]

[Signature]

ROBERT NAZL

[Signature]

Ray Brown

[Signature]

Nic Messer

[Signature]

William Sutton

William Sutton

KEITH MEGATHA

Keith Megatha

[Signature]

Tracy Hand

Tony Baggett

Tony Baggett

ETOWAH COUNTY
MS4 ANNUAL
AWARENESS TRAINING
GADSDEN-ETOWAH MS4
FEBRUARY 23, 2017



PRINT NAME

SIGNATURE

David Sheeler

David Sheeler

Steve Norton

Jay M

John S. Bowlin II

Jayman Stowers

Marcus Carroll

Jimmy May

Rody

[Signature]

Chris Frost

CLAUDE PUTTON

Robert Washington

Thomas Butler

Lella Cutting

Tyson Krummel

John S. Bowlin II

[Signature]

Jim Mays

Chad

Clayton

[Signature]

ETOWAH COUNTY
MS4 ANNUAL
AWARENESS TRAINING
GADSDEN-ETOWAH MS4
FEBRUARY 23, 2017



PRINT NAME

SIGNATURE

Bruce Granger

Bruce Granger

Jerry Bryant

Jerry Bryant

ALDOT Annual QCI Refresher Training
2016 Classroom Session

Tracy Burwell of Etowah Co.
successfully completed the requirements
of certification as a **QCI**
QCI# 31730
Exp. 07/31/2017

ALDOT QCI Trainer


Tracy A. Stigman, P.E.



ALDOT Annual QCI Refresher Training
2016 Classroom Session

Robert Nail of Etowah Co.
successfully completed the requirements
of certification as a **QCI**
QCI# 53963
Exp. 07/31/2017

ALDOT QCI Trainer


Tracy A. Stigman, P.E.



ALDOT Annual QCI Refresher Training
2016 Classroom Session

Mel Smith of Etowah Co.
successfully completed the requirements
of certification as a **QCI**
QCI# 39562
Exp. 07/31/2017

ALDOT QCI Trainer


Tracy A. Stigman, P.E.



ALDOT Annual QCI Refresher Training
2016 Classroom Session

William Vaughn of Etowah Co.
successfully completed the requirements
of certification as a **QCI**
QCI# T2437
Exp. 07/31/2017

ALDOT QCI Trainer



Etowah County Road Department

Job Cost Material Detail Report

from 4/1/2016 to 3/31/2017

Res Id	Date	BJ Id	Road Id	Rd Sec	Road Name	Bridge Id	Project Id	Activity Id	Activity Desc	Cum Blot	WO Id	Mat Rate	Mat Units	Mat Cost
Material Id 0435-B STONE-C1 RCP RAP(34-0000)														
356085	4/11/2016	72051					28-003-06	307	Head Material to Stockpile		0	11.50	26.12	\$300.36
356085	4/12/2016	72052			LAY SPRINGS ROAD		28-007-06	308	Head Material Plant to	2	0	11.50	25.83	\$297.05
356085	4/12/2016	72052			KEENER LANE		28-002-06	308	Head Material Plant to	2	0	11.50	9.51	\$109.83
356301	4/14/2016	72054			SCENOC HIGHWAY		28-002-06	308	Head Material Plant to	2	0	11.50	26.42	\$303.83
356808	4/20/2016	72059			LITTLE COVE ROAD		28-007-06	308	Head Material Plant to	4	0	11.50	12.11	\$139.27
356814	4/20/2016	72059			MURPHREE VALLEY		28-007-06	308	Head Material Plant to	4	0	11.50	13.00	\$149.50
357266	4/21/2016	72064			LACKLEY GAP ROAD		28-007-06	308	Head Material Plant to	3	0	11.50	23.68	\$272.32
357485	5/3/2016	72068			ADAMS ROAD		28-003-06	307	Head Material to Stockpile	0	0	11.50	74.38	\$855.37
360008	6/15/2016	72104			FABOR ROAD		28-002-06	308	Head Material Plant to	2	0	11.50	35.04	\$402.96
360076	6/16/2016	72105			FABOR ROAD		28-002-06	308	Head Material Plant to	2	0	11.50	8.26	\$94.99
360363	6/20/2016	72108			FABOR ROAD		28-002-06	308	Head Material Plant to	2	0	11.50	7.74	\$89.01
360472	6/21/2016	72109			WHITESBORO ROAD		28-007-06	351	Instal,Repl, Maint.	3	0	11.50	16.00	\$183.00
360532	6/22/2016	72110			PAUL KELLY ROAD		28-007-06	308	Head Material Plant to	3	0	11.50	25.90	\$297.85
360992	6/29/2016	72116			VALLEY STREET		28-002-06	308	Head Material Plant to	5	0	11.50	26.36	\$303.04
363379	8/15/2016	72135			LITTLE WELLS VALLEY		28-007-06	308	Head Material Plant to	2	0	11.50	25.29	\$290.84
363382	8/15/2016	72135					28-003-06	307	Head Material to Stockpile	0	0	11.50	24.74	\$284.51
363520	8/16/2016	72136			CARNES CHAPEL ROAD		28-002-06	308	Head Material Plant to	4	0	11.50	24.81	\$285.36
363531	8/16/2016	72136			CARNES CHAPEL ROAD		28-002-06	308	Head Material Plant to	4	0	11.50	25.22	\$290.03
363634	8/17/2016	72137			CARNES CHAPEL ROAD		28-002-06	308	Head Material Plant to	4	0	11.50	24.99	\$287.39
363948	8/23/2016	72141			CARNES CHAPEL ROAD		28-002-06	308	Head Material Plant to	4	0	11.50	22.43	\$257.91
363989	8/23/2016	72141			CARNES CHAPEL ROAD		28-002-06	308	Head Material Plant to	4	0	11.50	23.72	\$272.78
364113	8/23/2016	72142			CARNES CHAPEL ROAD		28-002-06	308	Head Material Plant to	4	0	11.50	24.29	\$279.34
366393	9/20/2016	72188					28-002-06	307	Head Material to Stockpile	0	0	11.50	24.79	\$285.09
368254	10/12/2016	72208			CHUMBLEY ROAD		28-003-07	307	Head Material to Stockpile	0	0	11.50	23.15	\$266.23
370770	11/14/2016	72238			BURTON CUT-OFF		28-007-07	351	Instal,Repl, Maint.	3	0	11.50	14.45	\$166.18
371828	12/8/2016	72237			GENE WHITT ROAD		28-007-07	351	Instal,Repl, Maint.	4	0	11.50	7.45	\$85.68
372188	12/14/2016	72241			APPALACHIAN		28-002-07	308	Head Material Plant to	3	0	11.50	23.22	\$267.03
373012	1/12/2017	72243			GABRIEL ROAD		28-002-07	308	Head Material Plant to	2	0	11.50	23.08	\$265.42
373179	1/25/2017	72252			ASHVILLE ROAD		28-002-07	308	Head Material Plant to	2	0	11.50	43.92	\$505.08
373613	1/25/2017	72252			GABRIEL ROAD		28-007-07	308	Head Material Plant to	4	0	11.50	24.53	\$282.06
373644	1/26/2017	72253					28-002-07	308	Head Material Plant to	2	0	11.50	10.39	\$119.49
374165	2/6/2017	72262					28-002-07	307	Head Material to Stockpile	0	0	11.50	26.16	\$300.84
374166	2/6/2017	72262			MT. ROSAHERD		28-003-07	307	Head Material to Stockpile	0	0	11.50	25.73	\$295.90
374350	2/6/2017	72265			TERRELL ROAD		28-007-07	308	Head Material Plant to	2	0	11.50	23.71	\$272.67
374388	2/6/2017	72265			BASKIN FERRY ROAD		28-007-07	308	Head Material Plant to	4	0	11.50	26.09	\$300.04
374948	2/22/2017	72316			LAY SPRINGS ROAD		28-001-07	308	Head Material Plant to	2	0	11.50	21.37	\$245.76
375135	2/28/2017	72321			TERRELL ROAD		28-002-07	308	Head Material Plant to	2	0	11.50	9.39	\$108.23
375150	2/28/2017	72321					28-007-07	308	Head Material Plant to	4	0	11.50	100.47	\$1,155.81
375455	2/6/2017	72327			TERRELL ROAD		28-007-07	308	Head Material Plant to	4	0	11.50	24.27	\$279.61
375456	2/6/2017	72327			TERRELL ROAD		28-007-07	308	Head Material Plant to	4	0	11.50	24.39	\$280.49
376045	2/16/2017	72336			WRENCH RD		28-002-07	308	Head Material Plant to	3	0	11.50	24.94	\$286.81

Etowah County Road Department

Job Cost Material Detail Report from 4/1/2016 to 3/31/2017

Rec Id	Date	BJ Id	Road Id	Rd Sec	Road Name	Bridge Id	Project Id	Activity Id	Activity Desc	Canon Dist	WO Id	Mat Rate	Mat Units	Mat Cost
Material Id 4415-B STONE-CI RIF RAS(18-100lb)														
376451	3/22/2017	72341	002444		SARDOS ROAD		28-000-17	308	Used Material Plant to	3	0	11.50	24.58	\$283.75
376626	3/25/2017	72341	002473		STEELE STATION ROAD		28-000-17	308	Used Material Plant to	6	0	11.50	24.22	\$201.53
											Material Totals			
											1,885.97		\$17,836.16	

Etowah County Road Department

Job Cost Material Detail Report
 from 4/1/2016 to 3/31/2017

Mat Id	Date	DJ Id	Road M	Rd Sec	Road Name	Bridge Id	Project Id	Activity Id	Activity Desc	Comm Dist	WO Id	Mat Rate	Mat Units	Mat Cost
Material Id 0425-V														
					STONE-C1 RSP RAP(10-1000)									
371301	12/1/2016	72253	005038		TOBE CAT ROAD		28-007-17	311	Install, Pave, Maint.	2	0	13.50	15.00	\$202.50
Material Totals														
													<u>15.00</u>	
													<u>\$202.50</u>	

Etowah County Road Department
Job Cost Material Detail Report
 from 4/1/2016 to 3/31/2017

Mat Id	Date	BJ Id	Road Id	Ref Sec	Road Name	Bridge Id	Project Id	Activity Id	Activity Desc	Comm Blot	WO Id	Mat Rate	Mat Units	Mat Cost
Material Id 4417-B STONE-RIP RAP C(18-3000)														
359621	5/24/2016	72587					28-000-16	307	Heat Material to Stockpile		0	11.50	25.12	\$288.00
359622	5/24/2016	72587					28-000-16	307	Heat Material to Stockpile		0	11.50	24.45	\$281.18
362290	7/27/2016	72139	000081		LAMAR WHITE ROAD		28-000-16	311	Install, Rapp, Maint.	3	0	11.50	23.64	\$271.86
362299	7/27/2016	72139					28-000-16	307	Heat Material to Stockpile		0	11.50	23.64	\$271.86
368138	10/4/2016	72283	002444		SARDIS ROAD		28-000-17	308	Heat Material Plant to	3	0	11.50	25.52	\$293.48
368139	10/4/2016	72283	002444		SARDIS ROAD		28-000-17	308	Heat Material Plant to	3	0	11.50	25.25	\$290.38
368140	10/4/2016	72283	002444		SARDIS ROAD		28-000-17	308	Heat Material Plant to	3	0	11.50	17.95	\$207.34
370033	11/5/2016	72231	002113		OLD FORD VALLEY		28-000-17	311	Install, Rapp, Maint.	1	0	11.50	25.00	\$287.50
Material Totals											189.78	\$2,187.48		

Etowah County Road Department

Job Cost Material Detail Report
 from 4/1/2016 to 3/31/2017

Row Id	Date	DJ Id	Road Id	Rd Sec	Road Name	Bridge Id	Project Id	Activity Id	Activity Desc	Cumulative	WO Id	Mat Rate	Mat Units	Mat Cost
Material Id 0461.V STONE-82P RAP (6-60")														
310994	4/7/2016	72049	900606		LAY SPRINGS ROAD		28-002-16	300	Drilling	2	0	13.00	15.00	\$195.00
310995	4/20/2016	72050	902220		FILORDS REST ROAD		28-002-16	308	Hand Material Plant to	1	0	13.00	31.44	\$408.72
317298	4/28/2016	72065	902651		TURKEY TOWN GAP		28-002-16	309	Drilling	2	0	13.00	30.00	\$390.00
300040	6/14/2016	72103	902798		WINBETON BEND ROAD		28-002-16	308	Hand Material Plant to	6	0	13.00	25.71	\$334.75
363378	7/12/2016	72126	903819		YOUNGS CHAPEL		28-001-16	305	Full Depth Patching	2	0	13.00	50.00	\$650.00
373409	1/16/2017	72288	900084		CAMPBELL GAP ROAD		28-007-17	301	Install,Repl.,Maint.	2	0	13.00	10.00	\$130.00
373527	1/24/2017	72290	903839		NELSON WILLIAMS		28-007-17	301	Install,Repl.,Maint.	3	0	13.00	8.00	\$104.00
373917	2/1/2017	72298	900491		ESTES ROAD		28-007-17	301	Install,Repl.,Maint.	2	0	13.00	25.00	\$325.00
374022	2/2/2017	72299	902490		SHILOH ROAD		28-002-17	302	Other Drainage Maintenance	4	0	13.00	6.00	\$78.00
375979	3/15/2017	72333	900797		GLEDE DR		28-001-17	308	Hand Material Plant to	4	0	13.00	25.58	\$332.54
375980	3/15/2017	72334	900797		GLEDE DR		28-001-17	308	Hand Material Plant to	4	0	13.00	25.33	\$329.55
376042	3/16/2017	72536	900797		GLEDE DR		28-001-17	308	Hand Material Plant to	4	0	13.00	26.08	\$339.04
376418	3/22/2017	72341	900606		LAY SPRINGS ROAD		28-016-17	065	Replace Existing Driveway	2	0	13.00	6.00	\$78.00
Material Totals											384.28	\$5,954.66		

Etowah County Road Department
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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002-180W MAINTENANCE--DRAINAGE,DTICRNSHOLDER										
Road Id - 000015-c ALFORD ROAD										
Activity Id -350 Ditching										
Road District -2										
6/9/2016	T2099	2521	HILL AMOS	3	20.05	3.00	\$100.25			
6/9/2016	T2099	1053	EXCAVATOR--WHEELED	1	142.50	3.00		\$712.50		
6/9/2016	T2099	2515	STOWERS SHEA	3	20.22	3.00	\$101.10			
6/9/2016	T2099	1029	DUMP TRUCK	1	52.74	3.00		\$263.70		
6/9/2016	T2099	1110	MCGATHA CHARLES K	3	23.65	3.00	\$118.25			
6/9/2016	T2099	1031	TRUCK--FLATBED CREW	1	29.71	3.00		\$148.55		
6/29/2016	T2116	2521	HILL AMOS	3	20.05	10.00	\$200.50			
6/29/2016	T2116	1052	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
6/29/2016	T2116	1468	DUTTON CLAUDE C	3	18.16	10.00	\$181.60			
6/29/2016	T2116	1029	DUMP TRUCK	1	52.74	10.00		\$527.40		
6/29/2016	T2116	2515	STOWERS SHEA	3	20.22	10.00	\$202.20			
6/29/2016	T2116	1031	TRUCK--FLATBED CREW	1	29.71	10.00		\$297.10		
6/30/2016	T2117	2521	HILL AMOS	3	20.05	3.00	\$100.25			
6/30/2016	T2117	1052	EXCAVATOR--WHEELED	1	142.50	3.00		\$712.50		
6/30/2016	T2117	1468	DUTTON CLAUDE C	3	18.16	3.00	\$90.80			
6/30/2016	T2117	1008	DUMP TRUCK	1	88.96	3.00		\$444.80		
6/30/2016	T2117	2515	STOWERS SHEA	3	20.22	3.00	\$101.10			
6/30/2016	T2117	1031	TRUCK--FLATBED CREW	1	29.71	3.00		\$148.55		
Road Id - 000023-c AQUA VESTA DR E										
Activity Id -350 Ditching										
Road District -2										
4/11/2016	T2051	2521	HILL AMOS	3	20.05	4.00	\$80.20			
4/11/2016	T2051	1053	EXCAVATOR--WHEELED	1	142.50	4.00		\$770.00		
4/11/2016	T2051	1468	DUTTON CLAUDE C	3	18.16	4.00	\$72.64			
4/11/2016	T2051	1029	DUMP TRUCK	1	52.74	4.00		\$210.96		
4/11/2016	T2051	2507	GRANGER BRUCE	3	20.87	4.00	\$83.48			
4/11/2016	T2051	1031	TRUCK--FLATBED CREW	1	29.71	4.00		\$118.84		
4/21/2016	T2060	0023	BRYANT JERRY A	3	29.55	3.00	\$88.65			
4/21/2016	T2060	0997	DUMP TRUCK--FLATBED	1	53.58	3.00		\$160.74		
4/21/2016	T2060	1042	BACKHOE	1	67.34	3.00		\$202.02		
4/21/2016	T2060	2507	GRANGER BRUCE	3	20.87	3.00	\$62.61			
4/21/2016	T2060	1009	DUMP TRUCK	1	88.96	3.00		\$266.88		
Road Id - 000024-c AQUA VESTA DR W										
Activity Id -350 Ditching										
Road District -2										
4/11/2016	T2051	2521	HILL AMOS	3	20.05	3.00	\$60.15			
4/11/2016	T2051	1053	EXCAVATOR--WHEELED	1	142.50	3.00		\$427.50		
4/11/2016	T2051	1468	DUTTON CLAUDE C	3	18.16	3.00	\$54.48			
4/11/2016	T2051	1029	DUMP TRUCK	1	52.74	3.00		\$158.22		
4/11/2016	T2051	2507	GRANGER BRUCE	3	20.87	3.00	\$62.61			
4/11/2016	T2051	1031	TRUCK--FLATBED CREW	1	29.71	3.00		\$89.13		
Road Id - 000034-c ADAMS ROAD										
Activity Id -350 Ditching										
Road District -2										
6/15/2016	T2104	2521	HILL AMOS	3	20.05	10.00	\$200.50			
6/15/2016	T2104	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
6/15/2016	T2104	1110	MCGATHA CHARLES K	3	23.65	10.00	\$236.50			
6/15/2016	T2104	1031	TRUCK--FLATBED CREW	1	29.71	10.00		\$297.10		
Road Id - 000049-c ANDERSON ROAD										
Activity Id -350 Ditching										
Road District -2										
4/4/2016	T2046	2521	HILL AMOS	3	20.05	10.00	\$200.50			
4/4/2016	T2046	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
4/4/2016	T2046	2523	SEARS MARQUETTE	3	36.19	10.00	\$361.90			
4/4/2016	T2046	1029	DUMP TRUCK	1	52.74	10.00		\$527.40		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 18-001-BROW MAINTENANCE--DRAINAGE,DITCH,SHOULDER										
Road Id - 000049- ANDERSON ROAD										
Activity Id -J50 Ditching										
Road District -2										
4/4/2016	72046	1100	MCGATHA CHARLES K	3	23.65	18.00	\$236.30			
4/4/2016	72048	0817	PICKUP	1	14.69	18.00		\$146.90		
4/6/2016	72048	2521	HILL AMOS	3	20.05	4.00	\$80.20			
4/6/2016	72048	1053	EXCAVATOR--WHEELED	1	142.50	4.00		\$570.00		
4/6/2016	72048	2123	SEARS MARQUETTE	3	16.19	4.00	\$64.76			
4/6/2016	72048	1029	DUMP TRUCK	1	52.74	4.00		\$210.96		
4/6/2016	72048	1100	MCGATHA CHARLES K	3	23.65	4.00	\$94.60			
4/6/2016	72048	1001	TRUCK--FLATBED CREW	1	29.71	4.00		\$118.84		
4/7/2016	72049	2121	HILL AMOS	3	20.05	5.00	\$100.25			
4/7/2016	72049	1053	EXCAVATOR--WHEELED	1	142.50	5.00		\$712.50		
4/7/2016	72049	1468	DUTTON CLAUDE C	3	18.16	5.00	\$90.80			
4/7/2016	72049	1029	DUMP TRUCK	1	52.74	5.00		\$263.70		
4/7/2016	72049	1100	MCGATHA CHARLES K	3	23.65	5.00	\$118.25			
4/7/2016	72049	1001	TRUCK--FLATBED CREW	1	29.71	5.00		\$148.55		
Road Id - 000063- AQUA VISTA ROAD										
Activity Id -J50 Ditching										
Road District -2										
4/11/2016	72051	2121	HILL AMOS	3	20.05	3.00	\$60.15			
4/11/2016	72051	1053	EXCAVATOR--WHEELED	1	142.50	3.00		\$427.50		
4/11/2016	72051	1468	DUTTON CLAUDE C	3	18.16	3.00	\$54.48			
4/11/2016	72051	1029	DUMP TRUCK	1	52.74	3.00		\$158.22		
4/11/2016	72051	2507	GRANGER BRUCE	3	20.87	3.00	\$62.61			
4/11/2016	72051	1001	TRUCK--FLATBED CREW	1	29.71	3.00		\$89.13		
Road Id - 000074- ASSEMBLY OF GOD ROAD										
Activity Id -J50 Ditching										
Road District -3										
4/26/2016	72063	2117	MESSER NICHOLAS A	3	18.00	5.00	\$90.00			
4/26/2016	72063	1040	BACKHOE	1	67.34	5.00		\$336.70		
4/26/2016	72063	1000	TRAILER--UTILITY	1	11.58	5.00		\$57.90		
4/26/2016	72063	1001	DUMP TRUCK--FLATBED	1	54.34	5.00		\$271.70		
4/26/2016	72063	2112	SHREER DAVID	3	16.56	5.00	\$82.80			
4/26/2016	72063	1020	DUMP TRUCK--2003	1	51.54	5.00		\$257.70		
4/26/2016	72063	0679	KELLEY DONALD R	3	29.80	5.00	\$149.00			
4/26/2016	72063	0983	PICKUP	1	15.75	5.00		\$78.75		
Road Id - 000085- BALL PLAY CIRCLE										
Activity Id -J50 Ditching										
Road District -2										
5/26/2016	72089	2521	HILL AMOS	3	20.05	4.00	\$80.20			
5/26/2016	72089	1053	EXCAVATOR--WHEELED	1	142.50	4.00		\$570.00		
5/26/2016	72089	2105	GPSON ADAM	3	19.37	4.00	\$77.48			
5/26/2016	72089	1029	DUMP TRUCK	1	52.74	4.00		\$210.96		
5/26/2016	72089	2115	STOWERS SHEA	3	20.22	4.00	\$80.88			
5/26/2016	72089	1001	TRUCK--FLATBED CREW	1	29.71	4.00		\$118.84		
Road Id - 000084- BEARSD ROAD										
Activity Id -J50 Ditching										
Road District -2										
6/2/2016	72093	2121	HILL AMOS	3	20.05	10.00	\$200.50			
6/2/2016	72093	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
6/2/2016	72093	2105	GPSON ADAM	3	19.37	10.00	\$193.70			
6/2/2016	72093	1029	DUMP TRUCK	1	52.74	10.00		\$527.40		
6/2/2016	72093	2128	CATLING LEVAR	3	18.54	10.00	\$185.40			
6/2/2016	72093	1001	TRUCK--FLATBED CREW	1	29.71	10.00		\$297.10		
6/6/2016	72096	2121	HILL AMOS	3	20.05	10.00	\$200.50			
6/6/2016	72096	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
6/6/2016	72096	2115	STOWERS SHEA	3	20.22	10.00	\$202.20			

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Date	DJ Id	M	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002-DROW MAINTENANCE--DRAINAGE,DITCH/SHOULDER										
Road Id - 000104-c BEARD ROAD										
Activity Id -350 Ditching										
Road District -2										
6/6/2016	72096	1029	DUMP TRUCK	1	52.74	10.00		\$527.40		
6/6/2016	72096	1130	MCGATHA CHARLES K	3	23.65	10.00	\$236.50			
6/6/2016	72096	1031	TRUCK--FLATBED CREW	1	29.71	10.00		\$297.10		
Road Id - 000119-c SOUTH BELMONT DRIVE										
Activity Id -350 Ditching										
Road District -2										
8/29/2016	72167	2526	CARROLL MARCUS	3	17.62	2.00	\$35.24			
8/29/2016	72167	0997	DUMP TRUCK--FLATBED	1	47.19	2.00		\$94.38		
8/29/2016	72167	1042	BACKHOE	1	61.73	2.00		\$123.46		
8/29/2016	72167	1530	GUTHRY THOMAS	3	20.68	2.00	\$41.36			
8/29/2016	72167	1029	DUMP TRUCK	1	46.35	2.00		\$92.70		
8/29/2016	72167	2528	CATLING LEVAR	3	18.54	2.00	\$37.08			
8/29/2016	72167	0981	PICKUP	1	18.31	2.00		\$36.62		
8/29/2016	72167	2523	SEARS MARQUETTE	3	16.19	2.00	\$32.38			
Road Id - 000122-c BENSON DRIVE										
Activity Id -350 Ditching										
Road District -2										
4/12/2016	72052	1259	FROST RANDALL C	3	29.89	3.00	\$149.45			
4/12/2016	72052	1054	PICKUP--2012 FORD F150	1	19.74	3.00		\$59.22		
4/12/2016	72052	0827	BRYANT JERRY A	3	29.55	3.00	\$147.75			
4/12/2016	72052	0997	DUMP TRUCK--FLATBED	1	53.58	3.00		\$160.74		
4/12/2016	72052	1041	BACKHOE	1	67.34	3.00		\$202.02		
4/12/2016	72052	2507	GRANGER BRUCE	3	20.87	3.00	\$104.35			
4/12/2016	72052	0933	PICKUP	1	19.21	3.00		\$57.63		
4/12/2016	72052	1809	PERKINS ROGER L	3	21.24	3.00	\$106.20			
4/12/2016	72052	1036	DUMP TRUCK--2015 MACK	1	90.61	3.00		\$271.83		
Road Id - 000142-c BLACK BOTTOM ROAD										
Activity Id -350 Ditching										
Road District -4										
8/29/2016	72167	1217	NORTON STEVE A	3	23.64	4.00	\$94.56			
8/29/2016	72167	1052	EXCAVATOR--WHEELED	1	148.69	4.00		\$594.76		
8/29/2016	72167	1144	BEARD ERIC W	3	24.32	4.00	\$96.48			
8/29/2016	72167	1010	DUMP TRUCK	1	77.28	4.00		\$309.12		
8/29/2016	72167	1491	NAL JAMES	3	22.16	4.00	\$88.64			
8/29/2016	72167	1018	DUMP TRUCK--2013 MACK	1	103.66	4.00		\$414.64		
8/29/2016	72167	1534	KUBI RICHARD A	3	27.38	4.00	\$109.52			
8/29/2016	72167	1055	PICKUP--2012 FORD F150	1	18.59	4.00		\$74.36		
Road Id - 000143-c BLACK CREEK ROAD										
Activity Id -350 Ditching										
Road District -2										
4/14/2016	72054	1259	FROST RANDALL C	3	29.89	3.00	\$89.67			
4/14/2016	72054	1054	PICKUP--2012 FORD F150	1	19.74	3.00		\$59.22		
4/14/2016	72054	0827	BRYANT JERRY A	3	29.55	3.00	\$88.65			
4/14/2016	72054	0997	DUMP TRUCK--FLATBED	1	53.58	3.00		\$160.74		
4/14/2016	72054	1809	PERKINS ROGER L	3	21.24	3.00	\$63.72			
4/14/2016	72054	1036	DUMP TRUCK--2015 MACK	1	90.61	3.00		\$271.83		
4/14/2016	72054	2507	GRANGER BRUCE	3	20.87	3.00	\$62.61			
4/14/2016	72054	0817	PICKUP	1	14.69	3.00		\$44.07		
4/14/2016	72054	1042	BACKHOE	1	67.34	3.00		\$202.02		
Road Id - 000155-c BLUFF ROAD										
Activity Id -350 Ditching										
Road District -4										
8/31/2016	72169	1217	NORTON STEVE A	3	23.64	4.00	\$94.56			
8/31/2016	72169	1052	EXCAVATOR--WHEELED	1	148.69	4.00		\$594.76		
8/31/2016	72169	1217	NORTON STEVE A	3	23.64	4.00	\$94.56			

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-003-180W MAINTENANCE--DRAINAGE,DITCH,SHOULDER										
Road Id - 000155- BLUFF ROAD										
Activity Id 358 Ditching										
Road District -4										
8/31/2016	72169	1052	EXCAVATOR--WHEELED	1	148.69	4.00		\$594.76		
8/31/2016	72169	1491	NAIL JAMES	3	22.16	4.00	\$88.64			
8/31/2016	72169	1018	DUMP TRUCK--2013 MACK	1	103.66	4.00		\$414.64		
8/31/2016	72169	1324	KUSHN RICHARD A	3	27.38	4.00	\$109.52			
8/31/2016	72169	1055	PICKUP--2012 FORD F150	1	18.59	4.00		\$74.36		
9/1/2016	72171	1217	NORTON STEVE A	3	23.64	3.00	\$70.92			
9/1/2016	72171	1052	EXCAVATOR--WHEELED	1	148.69	3.00		\$446.07		
9/1/2016	72171	1491	NAIL JAMES	3	22.16	3.00	\$66.48			
9/1/2016	72171	1018	DUMP TRUCK--2013 MACK	1	103.66	3.00		\$310.98		
9/1/2016	72171	1324	KUSHN RICHARD A	3	27.38	3.00	\$82.14			
9/1/2016	72171	1055	PICKUP--2012 FORD F150	1	18.59	3.00		\$55.77		
Road Id - 000177- BRANS CHAPEL ROAD										
Activity Id 358 Ditching										
Road District -3										
4/6/2016	72046	1217	NORTON STEVE A	3	23.64	10.00	\$236.40			
4/6/2016	72046	1052	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
4/6/2016	72046	1344	HEARD ERIC W	3	24.12	10.00	\$241.20			
4/6/2016	72046	1010	DUMP TRUCK	1	88.96	10.00		\$889.60		
4/6/2016	72046	2320	BOBO BRIAN	3	17.60	10.00	\$176.00			
4/6/2016	72046	1018	DUMP TRUCK--2013 MACK	1	117.09	10.00		\$1,170.90		
Road Id - 000191- BRISTOW COVE ROAD										
Activity Id 358 Ditching										
Road District -4										
4/6/2016	72048	2320	BOBO BRIAN	3	17.60	4.00	\$70.40			
4/6/2016	72048	1020	DUMP TRUCK--2003	1	51.34	4.00		\$206.16		
4/6/2016	72048	2117	MESSER NICHOLAS A	3	18.00	5.00	\$90.00			
4/6/2016	72048	1043	BACKHOE	1	67.34	5.00		\$336.70		
4/6/2016	72048	1090	TRAILER--UTILITY	1	11.38	5.00		\$56.90		
4/6/2016	72048	1001	DUMP TRUCK--FLATBED	1	54.34	5.00		\$271.70		
4/6/2016	72048	0479	KELLEY DONALD R	3	29.80	5.00	\$149.00			
4/6/2016	72048	0983	PICKUP	1	15.75	5.00		\$78.75		
9/13/2016	72180	1217	NORTON STEVE A	3	23.64	3.00	\$70.92			
9/13/2016	72180	1052	EXCAVATOR--WHEELED	1	148.69	3.00		\$446.07		
9/13/2016	72180	1491	NAIL JAMES	3	22.16	3.00	\$66.48			
9/13/2016	72180	1018	DUMP TRUCK--2013 MACK	1	103.66	3.00		\$310.98		
9/13/2016	72180	1324	KUSHN RICHARD A	3	27.38	3.00	\$82.14			
9/13/2016	72180	1055	PICKUP--2012 FORD F150	1	18.59	3.00		\$55.77		
Road Id - 000196- BROKEN ARROW DRIVE										
Activity Id 358 Ditching										
Road District -3										
5/16/2016	72080	2121	HILL AMOS	3	20.05	3.00	\$60.15			
5/16/2016	72080	1053	EXCAVATOR--WHEELED	1	142.50	3.00		\$427.50		
5/16/2016	72080	1468	DUTTON CLAUDE C	3	18.16	3.00	\$54.48			
5/16/2016	72080	1008	DUMP TRUCK	1	88.96	3.00		\$266.88		
5/16/2016	72080	2587	GRANGER BRUCE	3	20.87	3.00	\$62.61			
5/16/2016	72080	1031	TRUCK--FLATBED CREW	1	29.71	3.00		\$89.13		
5/16/2016	72080	2523	SEARS MARQUETTE	3	16.19	3.00	\$48.57			
Road Id - 000214- BUD UMPHREY ROAD										
Activity Id 358 Ditching										
Road District -4										
9/8/2016	72177	1217	NORTON STEVE A	3	23.64	3.00	\$118.20			
9/8/2016	72177	1052	EXCAVATOR--WHEELED	1	148.69	3.00		\$743.45		
9/8/2016	72177	1264	LUMPKEN MARK S	3	20.74	3.00	\$103.70			
9/8/2016	72177	1018	DUMP TRUCK--2013 MACK	1	103.66	3.00		\$310.98		
9/8/2016	72177	1324	KUSHN RICHARD A	3	27.38	3.00	\$82.14			

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Date	BJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-092-180W MAINTENANCE-DRAINAGE/DITCH/SHOULDER										
Road Id - 000214- BUD UMPIREY ROAD										
Activity Id 350 Ditching										
Road District -4										
9/8/2016	72177	1015	PICKUP-2012 FORD F150	1	18.99	1.00		\$92.95		
9/13/2016	72181	1217	NORTON STEVE A	3	23.64	3.00	\$118.20			
9/13/2016	72181	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
9/13/2016	72181	2512	SHEELER DAVID	3	16.56	3.00	\$82.80			
9/13/2016	72181	1020	DUMP TRUCK--2003	1	45.15	1.00		\$225.75		
9/13/2016	72181	1524	KUBN RICHARD A	3	27.38	3.00	\$156.90			
9/13/2016	72181	1015	PICKUP-2012 FORD F150	1	18.99	1.00		\$92.95		
9/21/2016	72189	1217	NORTON STEVE A	3	23.64	3.00	\$118.20			
9/21/2016	72189	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
9/21/2016	72189	1144	HEARD ERIC W	3	24.12	3.00	\$120.60			
9/21/2016	72189	1067	2016 MACK DUMP TRUCK	1	104.81	1.00		\$524.05		
9/21/2016	72189	1524	KUBN RICHARD A	3	27.38	3.00	\$156.90			
9/21/2016	72189	1015	PICKUP-2012 FORD F150	1	18.99	1.00		\$92.95		
Road Id - 000222- BURGESS ROAD										
Activity Id 350 Ditching										
Road District -4										
8/18/2016	72158	2521	HELL AMOS	3	20.05	3.00	\$100.25			
8/18/2016	72158	1053	EXCAVATOR--WHEELED	1	148.69	3.00		\$743.45		
8/18/2016	72158	1468	DUTTON CLAUDE C	3	18.16	3.00	\$90.80			
8/18/2016	72158	1029	DUMP TRUCK	1	46.35	1.00		\$231.75		
8/18/2016	72158	2523	SEARS MARQUETTE	3	16.19	3.00	\$80.95			
8/18/2016	72158	1031	TRUCK--FLATBED CREW	1	27.92	1.00		\$139.60		
8/18/2016	72158	2528	CATLING LEVAR	3	18.54	3.00	\$92.70			
8/24/2016	72163	2521	HELL AMOS	3	20.05	4.00	\$80.20			
8/24/2016	72163	1053	EXCAVATOR--WHEELED	1	148.69	4.00		\$594.76		
8/24/2016	72163	1468	DUTTON CLAUDE C	3	18.16	4.00	\$72.64			
8/24/2016	72163	1029	DUMP TRUCK	1	46.35	4.00		\$185.40		
8/24/2016	72163	2507	GRANGER BRUCE	3	20.87	4.00	\$83.48			
8/24/2016	72163	1031	TRUCK--FLATBED CREW	1	27.92	4.00		\$111.68		
8/24/2016	72163	2526	CARROLL MARCUS	3	17.62	4.00	\$70.48			
Road Id - 000227- BURTON LOOP ROAD										
Activity Id 350 Ditching										
Road District -4										
5/16/2016	72080	2517	MESSER NICHOLAS A	3	18.00	3.00	\$54.00			
5/16/2016	72080	1043	BACKHOE	1	67.34	3.00		\$202.02		
5/16/2016	72080	1000	TRAILER--UTILITY	1	11.58	3.00		\$34.74		
5/16/2016	72080	1001	DUMP TRUCK--FLATBED	1	54.24	1.00		\$163.02		
5/16/2016	72080	2512	SHEELER DAVID	3	16.56	3.00	\$49.68			
5/16/2016	72080	1020	DUMP TRUCK--2003	1	31.54	1.00		\$154.62		
5/16/2016	72080	0679	KELLEY DONALD R	3	29.80	3.00	\$89.40			
5/16/2016	72080	0983	PICKUP	1	15.75	3.00		\$47.25		
Road Id - 000230- BUSTER WELLET ROAD										
Activity Id 350 Ditching										
Road District -3										
4/5/2016	72047	1217	NORTON STEVE A	3	23.64	3.00	\$70.92			
4/5/2016	72047	1052	EXCAVATOR--WHEELED	1	142.50	3.00		\$427.50		
4/5/2016	72047	1144	HEARD ERIC W	3	24.12	3.00	\$72.36			
4/5/2016	72047	1010	DUMP TRUCK	1	88.96	1.00		\$266.88		
4/5/2016	72047	1581	SAIERS WILLIAM R	3	21.37	3.00	\$64.11			
4/5/2016	72047	1018	DUMP TRUCK--2013 MACK	1	117.09	3.00		\$351.27		
4/5/2016	72047	1581	SAIERS WILLIAM R	3	21.37	3.00	\$64.11			
4/5/2016	72047	1018	DUMP TRUCK--2013 MACK	1	117.09	3.00		\$351.27		
8/11/2016	72152	2521	HELL AMOS	3	20.05	3.00	\$100.25			
8/11/2016	72152	1053	EXCAVATOR--WHEELED	1	148.69	3.00		\$743.45		
8/11/2016	72152	1468	DUTTON CLAUDE C	3	18.16	3.00	\$90.80			

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Project Id - 28-002-180W MAINTENANCE--DRAINAGE,DITCH,SHOULDER										
Road Id - 000250- BUSTER WILLETT ROAD										
Activity Id 258 Ditching										
Road District -3										
8/11/2016	72152	1008	DUMP TRUCK	1	77.28	5.00		\$386.40		
8/11/2016	72152	1330	GUTHRY THOMAS	3	20.68	5.00	\$103.40			
8/11/2016	72152	0901	PICKUP	1	18.31	5.00		\$91.55		
8/11/2016	72152	2523	SEARS MARQUETTE	3	16.19	5.00	\$80.95			
Road Id - 000244- CAMPBELL GAP ROAD										
Activity Id 258 Ditching										
Road District -3										
8/16/2016	72156	0927	BRYANT JERRY A	3	29.53	10.00	\$295.30			
8/16/2016	72156	0997	DUMP TRUCK--FLATBED	1	47.19	10.00		\$471.90		
8/16/2016	72156	1042	BACKHOE	1	61.73	10.00		\$617.30		
8/16/2016	72156	1809	PERKINS ROGER L	3	21.34	10.00	\$213.40			
8/16/2016	72156	1036	DUMP TRUCK--2015 MACK	1	78.95	10.00		\$789.50		
Road Id - 000252- CARNES CHAPEL ROAD										
Activity Id 259 Ditching										
Road District -4										
8/8/2016	72149	1524	KUHN RICHARD A	3	27.38	10.00	\$273.80			
8/8/2016	72149	1055	PICKUP--2012 FORD F150	1	18.59	10.00		\$185.90		
8/8/2016	72149	1217	NORTON STEVE A	3	23.64	10.00	\$236.40			
8/8/2016	72149	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
8/8/2016	72149	1144	BEARD ERIC W	3	24.12	10.00	\$241.20			
8/8/2016	72149	1010	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	183.66	10.00		\$1,836.60		
8/8/2016	72150	1217	NORTON STEVE A	3	23.64	10.00	\$236.40			
8/8/2016	72150	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
8/8/2016	72150	1144	BEARD ERIC W	3	24.12	10.00	\$241.20			
8/8/2016	72150	1010	DUMP TRUCK	1	77.28	10.00		\$772.80		
8/8/2016	72150	1524	KUHN RICHARD A	3	27.38	10.00	\$273.80			
8/8/2016	72150	1055	PICKUP--2012 FORD F150	1	18.59	10.00		\$185.90		
8/8/2016	72151	1217	NORTON STEVE A	3	23.64	10.00	\$236.40			
8/8/2016	72151	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
8/8/2016	72151	1144	BEARD ERIC W	3	24.12	10.00	\$241.20			
8/8/2016	72151	1010	DUMP TRUCK	1	77.28	10.00		\$772.80		
8/8/2016	72151	1524	KUHN RICHARD A	3	27.38	10.00	\$273.80			
8/8/2016	72151	1055	PICKUP--2012 FORD F150	1	18.59	10.00		\$185.90		
8/11/2016	72152	1524	KUHN RICHARD A	3	27.38	9.00	\$246.42			
8/11/2016	72152	1055	PICKUP--2012 FORD F150	1	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	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
8/11/2016	72152	1491	NAIL JAMES	3	22.16	10.00	\$221.60			
8/11/2016	72152	1018	DUMP TRUCK--2013 MACK	1	183.66	10.00		\$1,836.60		
8/11/2016	72152	1198	TALTON STEVEN W	3	23.76	10.00	\$237.60			
8/11/2016	72152	0952	DUMP TRUCK--FLATBED	1	45.41	10.00		\$454.10		
8/16/2016	72156	1524	KUHN RICHARD A	3	27.38	5.00	\$136.90			
8/16/2016	72156	1055	PICKUP--2012 FORD F150	1	18.59	5.00		\$92.95		
8/16/2016	72156	1217	NORTON STEVE A	3	23.64	10.00	\$236.40			
8/16/2016	72156	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
8/13/2016	72157	1217	NORTON STEVE A	3	23.64	10.00	\$236.40			
8/13/2016	72157	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
8/13/2016	72157	1144	BEARD ERIC W	3	24.12	10.00	\$241.20			
8/13/2016	72157	1010	DUMP TRUCK	1	77.28	10.00		\$772.80		
8/13/2016	72157	1524	KUHN RICHARD A	3	27.38	10.00	\$273.80			
8/13/2016	72157	1055	PICKUP--2012 FORD F150	1	18.59	10.00		\$185.90		
8/13/2016	72157	2531	MAYS JIMMY R	3	16.20	10.00	\$162.00			
8/13/2016	72157	0063	PICKUP	1	16.43	10.00		\$164.30		

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Project Id - 28-002-180W MAINTENANCE--DRAINAGE/DITCH/SIDWALKS										
Road Id - 000252- CARNES CHAPEL ROAD										
Activity Id 358 Patching										
Road District -4										
8/25/2016	72164	1217	NORTON STEVE A	3	23.64	00.00	\$236.40			
8/25/2016	72164	1052	EXCAVATOR--WHEELED	1	148.69	00.00		\$1,486.90		
8/25/2016	72164	1144	HEARD ERIC W	3	24.12	00.00	\$241.20			
8/25/2016	72164	1010	DUMP TRUCK	1	77.28	00.00		\$772.80		
8/25/2016	72164	1491	NAIL JAMES	3	22.16	00.00	\$221.60			
8/25/2016	72164	1018	DUMP TRUCK--2013 MACK	1	103.66	00.00		\$1,036.60		
8/25/2016	72164	1324	KUHN RICHARD A	3	27.38	00.00	\$273.80			
8/25/2016	72164	1055	PICKUP--2012 FORD F150	1	18.59	00.00		\$185.90		
Road Id - 000267- CATES ROAD										
Activity Id 358 Patching										
Road District -2										
4/6/2016	72048	2321	HILL AMOS	3	20.05	3.00	\$60.15			
4/6/2016	72048	1053	EXCAVATOR--WHEELED	1	142.50	3.00		\$427.50		
4/6/2016	72048	2323	SEARS MARQUETTE	3	16.19	3.00	\$48.57			
4/6/2016	72048	1029	DUMP TRUCK	1	52.74	3.00		\$158.22		
4/6/2016	72048	1110	MCGATHA CHARLES K	3	23.65	3.00	\$70.95			
4/6/2016	72048	1031	TRUCK--FLATBED CREW	1	29.71	3.00		\$89.13		
Road Id - 000280- CENTER ROAD										
Activity Id 358 Patching										
Road District -4										
6/23/2016	72111	2327	ALLEN JORDAN	3	16.19	5.00	\$80.95			
6/23/2016	72111	1043	BACKHOE	1	67.34	5.00		\$336.70		
6/23/2016	72111	2325	ARMSTRONG GREG	3	17.62	5.00	\$88.10			
6/23/2016	72111	1028	DUMP TRUCK--FLAT CREW	1	42.87	5.00		\$214.35		
6/23/2016	72111	2342	SHEELER DAVID	3	16.56	5.00	\$82.80			
6/23/2016	72111	1011	DUMP TRUCK	1	88.96	5.00		\$444.80		
6/23/2016	72111	0679	KELLEY DONALD R	3	29.80	5.00	\$149.00			
6/23/2016	72111	1000	TRAILER--UTILITY	1	11.58	5.00		\$57.90		
6/23/2016	72111	1001	DUMP TRUCK--FLATBED	1	54.34	5.00		\$271.70		
8/24/2016	72163	2321	HILL AMOS	3	20.05	3.00	\$60.15			
8/24/2016	72163	1053	EXCAVATOR--WHEELED	1	148.69	3.00		\$446.07		
8/24/2016	72163	1448	DUTTON CLAUDE C	3	18.16	3.00	\$54.48			
8/24/2016	72163	1029	DUMP TRUCK	1	46.35	3.00		\$139.05		
8/24/2016	72163	2307	GRANGER BRUCE	3	20.87	3.00	\$62.61			
8/24/2016	72163	1031	TRUCK--FLATBED CREW	1	27.92	3.00		\$83.76		
8/24/2016	72163	2326	CARROLL MARCUS	3	17.62	3.00	\$52.86			
Road Id - 000284- CHARLEY STREET										
Activity Id 358 Patching										
Road District -2										
4/21/2016	72060	2321	HILL AMOS	3	20.05	3.00	\$60.15			
4/21/2016	72060	1053	EXCAVATOR--WHEELED	1	142.50	3.00		\$427.50		
4/21/2016	72060	1448	DUTTON CLAUDE C	3	18.16	3.00	\$54.48			
4/21/2016	72060	1029	DUMP TRUCK	1	52.74	3.00		\$158.22		
4/21/2016	72060	1809	PERKINS ROGER L	3	21.24	3.00	\$63.72			
4/21/2016	72060	1031	TRUCK--FLATBED CREW	1	29.71	3.00		\$89.13		
Road Id - 000292- CHESTER TODD ROAD										
Activity Id 358 Patching										
Road District -4										
8/31/2016	72169	1217	NORTON STEVE A	3	23.64	3.00	\$70.92			
8/31/2016	72169	1052	EXCAVATOR--WHEELED	1	148.69	3.00		\$446.07		
8/31/2016	72169	1491	NAIL JAMES	3	22.16	3.00	\$66.48			
8/31/2016	72169	1018	DUMP TRUCK--2013 MACK	1	103.66	3.00		\$309.98		
8/31/2016	72169	1324	KUHN RICHARD A	3	27.38	3.00	\$82.14			
8/31/2016	72169	1055	PICKUP--2012 FORD F150	1	18.59	3.00		\$55.77		
Road Id - 000389- CLANTON STREET SW										

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Project Id - 28-002-000V MAINTENANCE-DRAINAGE/DITCH/SHOULDER										
Road Id - 000009- CLANTON STREET SW										
Activity Id 350 Ditching										
Road District -4										
8/17/2016	72157	2121	HILL AMOS	3	20.05	4.00	\$80.20			
8/17/2016	72157	1053	EXCAVATOR--WHEELED	1	148.69	4.00		\$594.76		
8/17/2016	72157	2107	GRANGER BRUCE	3	20.87	4.00	\$83.48			
8/17/2016	72157	1009	DUMP TRUCK	1	77.28	4.00		\$309.12		
8/17/2016	72157	2528	CATTLINO LEVAR	3	18.54	4.00	\$74.16			
8/17/2016	72157	1001	TRUCK--FLATBED CREW	1	27.92	4.00		\$111.68		
8/18/2016	72158	2121	HILL AMOS	3	20.05	5.00	\$100.25			
8/18/2016	72158	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
8/18/2016	72158	1468	DUTTON CLAUDE C	3	18.16	5.00	\$90.80			
8/18/2016	72158	1029	DUMP TRUCK	1	46.35	5.00		\$231.75		
8/18/2016	72158	2523	SEARS MARQUETTE	3	16.19	5.00	\$80.95			
8/18/2016	72158	1001	TRUCK--FLATBED CREW	1	27.92	5.00		\$139.60		
8/18/2016	72158	2528	CATTLINO LEVAR	3	18.54	5.00	\$92.70			
Road Id - 000017- CLOUD LANE										
Activity Id 350 Ditching										
Road District -5										
8/9/2016	72150	1468	DUTTON CLAUDE C	3	18.16	2.50	\$45.40			
8/9/2016	72150	1008	DUMP TRUCK	1	77.28	2.50		\$193.20		
8/9/2016	72150	2121	HILL AMOS	3	20.05	2.50	\$50.13			
8/9/2016	72150	1053	EXCAVATOR--WHEELED	1	148.69	2.50		\$371.73		
Road Id - 000022- COATS BEND CIRCLE										
Activity Id 350 Ditching										
Road District -2										
5/18/2016	72082	2121	HILL AMOS	3	20.05	3.00	\$60.15			
5/18/2016	72082	1053	EXCAVATOR--WHEELED	1	142.50	3.00		\$427.50		
5/18/2016	72082	2105	GIBSON ADAM	3	19.37	3.00	\$58.11			
5/18/2016	72082	1004	TRUCK-PICK UP FLAT CREW	1	26.64	3.00		\$79.92		
5/18/2016	72082	1468	DUTTON CLAUDE C	3	18.16	3.00	\$54.48			
5/18/2016	72082	1008	DUMP TRUCK	1	88.96	3.00		\$266.88		
5/18/2016	72082	2528	CATTLINO LEVAR	3	18.54	3.00	\$55.62			
Road Id - 000023- COATS BEND ROAD										
Activity Id 350 Ditching										
Road District -2										
4/25/2016	72062	1117	WASHINGTON ROBERT E	3	27.41	5.00	\$137.05			
4/25/2016	72062	1005	PICKUP--2007 FORD	1	19.44	5.00		\$97.20		
4/25/2016	72062	1130	GUTHRY THOMAS	3	20.68	5.00	\$103.40			
4/25/2016	72062	1053	EXCAVATOR--WHEELED	1	142.50	5.00		\$712.50		
4/25/2016	72062	1468	DUTTON CLAUDE C	3	18.16	5.00	\$90.80			
4/25/2016	72062	1029	DUMP TRUCK	1	52.74	5.00		\$263.70		
4/25/2016	72062	0027	BRYANT JERRY A	3	29.55	5.00	\$147.75			
4/25/2016	72062	0017	PICKUP	1	14.69	5.00		\$73.45		
4/26/2016	72063	1159	FROST RANDALL C	3	29.89	5.00	\$149.45			
4/26/2016	72063	1054	PICKUP--2012 FORD F150	1	19.74	5.00		\$98.70		
4/26/2016	72063	2121	HILL AMOS	3	20.05	5.00	\$100.25			
4/26/2016	72063	1053	EXCAVATOR--WHEELED	1	142.50	5.00		\$712.50		
4/26/2016	72063	1468	DUTTON CLAUDE C	3	18.16	5.00	\$90.80			
4/26/2016	72063	1029	DUMP TRUCK	1	52.74	5.00		\$263.70		
4/26/2016	72063	1130	GUTHRY THOMAS	3	20.68	5.00	\$103.40			
4/26/2016	72063	1001	TRUCK--FLATBED CREW	1	29.71	5.00		\$148.55		
4/27/2016	72064	1117	WASHINGTON ROBERT E	3	27.41	10.00	\$274.10			
4/27/2016	72064	1005	PICKUP--2007 FORD	1	19.44	10.00		\$194.40		
4/27/2016	72064	2121	HILL AMOS	3	20.05	10.00	\$200.50			
4/27/2016	72064	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
4/27/2016	72064	1468	DUTTON CLAUDE C	3	18.16	10.00	\$181.60			
4/27/2016	72064	1029	DUMP TRUCK	1	52.74	10.00		\$527.40		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqp Cost	Mat Cost	Con Cost
Project Id - 28-082-180V MAINTENANCE-DRAINAGE/DITCH/SHOULDER										
Road Id - 000323-c COATS BEND ROAD										
Activity Id -350 Ditching										
Road District -2										
4/27/2016	72064	1809	PERKINS ROGER L	3	21.24	10.00	\$212.40			
4/27/2016	72064	1031	TRUCK-FLATBED CREW	1	29.71	10.00		\$297.10		
5/17/2016	72081	2521	HELL AMOS	3	20.05	4.00	\$80.20			
5/17/2016	72081	1053	EXCAVATOR-WHEELED	1	142.50	4.00		\$570.00		
5/17/2016	72081	1448	DUTTON CLAUDE C	3	18.16	4.00	\$72.64			
5/17/2016	72081	1008	DUMP TRUCK	1	88.96	4.00		\$355.84		
5/17/2016	72081	2185	GIBSON ADAM	3	19.37	2.00	\$38.74			
5/17/2016	72081	1031	TRUCK-FLATBED CREW	1	29.71	2.00		\$59.42		
5/17/2016	72081	2523	SEARS MARQUETTE	3	16.19	2.00	\$32.38			
Road Id - 000339-c COLVIN GAP ROAD										
Activity Id -350 Ditching										
Road District -1										
6/23/2016	72111	0827	BRYANT JERRY A	3	29.55	4.00	\$118.20			
6/23/2016	72111	0997	DUMP TRUCK-FLATBED	1	53.58	4.00		\$214.32		
6/23/2016	72111	2526	CARROLL MARCUS	3	17.62	4.00	\$70.48			
6/23/2016	72111	1029	DUMP TRUCK	1	52.74	4.00		\$210.96		
6/23/2016	72111	2523	SEARS MARQUETTE	3	16.19	4.00	\$64.76			
6/23/2016	72111	0943	PICKUP	1	14.61	4.00		\$58.44		
6/23/2016	72111	1042	BACKHOE	1	67.34	4.00		\$269.36		
Road Id - 000347-c CORNELIA CIRCLE										
Activity Id -350 Ditching										
Road District -2										
4/26/2016	72063	1299	FROST RANDALL C	3	29.89	3.00	\$149.43			
4/26/2016	72063	1054	PICKUP-2011 FORD F150	1	19.74	3.00		\$59.20		
4/26/2016	72063	2521	HELL AMOS	3	20.05	3.00	\$100.23			
4/26/2016	72063	1053	EXCAVATOR-WHEELED	1	142.50	3.00		\$427.50		
4/26/2016	72063	1448	DUTTON CLAUDE C	3	18.16	3.00	\$90.80			
4/26/2016	72063	1029	DUMP TRUCK	1	52.74	3.00		\$158.20		
4/26/2016	72063	1330	GUTHRY THOMAS	3	20.68	3.00	\$103.40			
4/26/2016	72063	1031	TRUCK-FLATBED CREW	1	29.71	3.00		\$148.15		
Road Id - 000370-c COVE SPRINGS ROAD										
Activity Id -350 Ditching										
Road District -4										
9/1/2016	72171	1217	NORTON STEVE A	3	23.64	4.00	\$94.56			
9/1/2016	72171	1052	EXCAVATOR-WHEELED	1	148.69	3.00		\$446.07		
9/1/2016	72171	1491	NAIL JAMES	3	22.16	4.00	\$88.64			
9/1/2016	72171	1018	DUMP TRUCK-2013 MACK	1	109.66	3.00		\$310.98		
9/1/2016	72171	1324	KLON RICHARD A	3	27.38	4.00	\$109.52			
9/1/2016	72171	1055	PICKUP-2012 FORD F150	1	18.59	3.00		\$55.77		
Road Id - 000375-c COX GAP ROAD										
Activity Id -350 Ditching										
Road District -3										
8/1/2016	72143	2327	ALLEN JORDAN	3	16.19	7.00	\$113.33			
8/1/2016	72143	1043	BACKHOE	1	61.73	7.00		\$432.11		
8/1/2016	72143	2512	SHEELER DAVID	3	16.56	7.00	\$115.92			
8/1/2016	72143	1031	DUMP TRUCK	1	77.28	7.00		\$540.96		
8/1/2016	72143	0679	KELLEY DONALD R	3	29.80	7.00	\$208.60			
8/1/2016	72143	0983	PICKUP	1	14.93	7.00		\$104.51		
Road Id - 000389-c CROFT FERRY ROAD EAST										
Activity Id -350 Ditching										
Road District -2										
5/24/2016	72087	2521	HELL AMOS	3	20.05	3.00	\$60.15			
5/24/2016	72087	1053	EXCAVATOR-WHEELED	1	142.50	3.00		\$427.50		
5/24/2016	72087	2515	STOWERS SHEA	3	20.22	3.00	\$60.66			
5/24/2016	72087	1029	DUMP TRUCK	1	52.74	3.00		\$158.22		

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Project Id - 28-002-DRY MAINTENANCE-DRAINAGE/DITCH/HOLDER										
Road Id - 000389- CROFT FERRY ROAD EAST										
Activity Id J50 Ditching										
Road District -2										
5/24/2016	72087	2505	GIPSON ADAM	3	19.37	3.00	\$58.11			
5/24/2016	72087	1031	TRUCK-FLATBED CREW	1	29.71	3.00		\$89.13		
5/25/2016	72088	2521	HILL AMOS	3	20.05	10.00	\$200.50			
5/25/2016	72088	1053	EXCAVATOR-WHEELED	1	142.50	10.00		\$1,425.00		
5/25/2016	72088	2505	GIPSON ADAM	3	19.37	10.00	\$193.70			
5/25/2016	72088	1029	DUMP TRUCK	1	52.74	10.00		\$527.40		
5/25/2016	72088	2515	STOWERS SHEA	3	20.22	10.00	\$202.20			
5/25/2016	72088	1031	TRUCK-FLATBED CREW	1	29.71	10.00		\$297.10		
Road Id - 000390- CROFT FERRY ROAD WEST										
Activity Id J50 Ditching										
Road District -2										
5/12/2016	72077	2521	HILL AMOS	3	20.05	5.00	\$100.25			
5/12/2016	72077	1053	EXCAVATOR-WHEELED	1	142.50	5.00		\$712.50		
5/12/2016	72077	2507	GRANGER BRUCE	3	20.87	5.00	\$104.35			
5/12/2016	72077	1036	DUMP TRUCK-2015 MACK	1	90.61	5.00		\$453.05		
5/12/2016	72077	2515	STOWERS SHEA	3	20.22	5.00	\$101.10			
5/12/2016	72077	1031	TRUCK-FLATBED CREW	1	29.71	5.00		\$148.55		
5/16/2016	72080	2521	HILL AMOS	3	20.05	3.00	\$60.15			
5/16/2016	72080	1053	EXCAVATOR-WHEELED	1	142.50	3.00		\$427.50		
5/16/2016	72080	1468	DUTTON CLAUDE C	3	18.16	3.00	\$54.48			
5/16/2016	72080	1008	DUMP TRUCK	1	88.96	3.00		\$266.88		
5/16/2016	72080	2507	GRANGER BRUCE	3	20.87	3.00	\$62.61			
5/16/2016	72080	1031	TRUCK-FLATBED CREW	1	29.71	3.00		\$89.13		
5/16/2016	72080	2523	SEARS MARQUETTE	3	16.19	3.00	\$48.57			
Road Id - 000395- CROSSON ROAD										
Activity Id J50 Ditching										
Road District -4										
9/1/2016	72171	1217	NORTON STEVE A	3	23.64	3.00	\$70.92			
9/1/2016	72171	1052	EXCAVATOR-WHEELED	1	148.69	3.00		\$446.07		
9/1/2016	72171	1491	NAL JAMES	3	22.36	3.00	\$66.48			
9/1/2016	72171	1018	DUMP TRUCK-2013 MACK	1	103.66	3.00		\$310.98		
9/1/2016	72171	1524	KUFEN RICHARD A	3	27.28	3.00	\$82.14			
9/1/2016	72171	1055	PICKUP-2012 FORD F150	1	18.99	3.00		\$55.77		
Road Id - 000457- DUCK SPRINGS ROAD										
Activity Id J50 Ditching										
Road District -3										
8/15/2016	72155	2521	HILL AMOS	3	20.05	2.50	\$50.13			
8/15/2016	72155	1053	EXCAVATOR-WHEELED	1	148.69	2.50		\$371.73		
8/15/2016	72155	1468	DUTTON CLAUDE C	3	18.16	2.50	\$45.40			
8/15/2016	72155	1008	DUMP TRUCK	1	77.28	2.50		\$193.20		
8/15/2016	72155	2523	SEARS MARQUETTE	3	16.29	2.50	\$40.48			
8/15/2016	72155	1031	TRUCK-FLATBED CREW	1	27.82	2.50		\$69.80		
8/15/2016	72155	2528	CATLING LEYAR	3	18.54	2.50	\$46.35			
Road Id - 000478- ELBERT STREET										
Activity Id J50 Ditching										
Road District -2										
4/21/2016	72060	2521	HILL AMOS	3	20.05	3.00	\$60.15			
4/21/2016	72060	1053	EXCAVATOR-WHEELED	1	142.50	3.00		\$427.50		
4/21/2016	72060	1468	DUTTON CLAUDE C	3	18.16	3.00	\$54.48			
4/21/2016	72060	1029	DUMP TRUCK	1	52.74	3.00		\$158.22		
4/21/2016	72060	1809	PERKINS ROGER L	3	21.24	3.00	\$63.72			
4/21/2016	72060	1031	TRUCK-FLATBED CREW	1	29.71	3.00		\$89.13		
Road Id - 000481- ELLIOTT LANE ROAD										
Activity Id J50 Ditching										
Road District -2										

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Project Id - 28-002-160W MAINTENANCE--DRAINAGE/DITCH/SHOULDER										
Road Id - 000481-c ELLIOTT LANE ROAD										
Activity Id 250 Ditching										
Road District -2										
5/26/2016	72089	2521	HILL AMOS	3	20.05	3.00	\$60.15			
5/26/2016	72089	1053	EXCAVATOR--WHEELED	1	142.50	3.00		\$427.50		
5/26/2016	72089	2505	GIBSON ADAM	3	19.37	3.00	\$58.11			
5/26/2016	72089	1029	DUMP TRUCK	1	52.74	3.00		\$158.22		
5/26/2016	72089	2515	STOWERS SHEA	3	20.22	3.00	\$60.66			
5/26/2016	72089	1031	TRUCK--FLATBED CREW	1	29.71	3.00		\$89.13		
Road Id - 000491-c ESTES ROAD										
Activity Id 250 Ditching										
Road District -2										
6/8/2016	72098	2521	HILL AMOS	3	20.05	5.00	\$100.25			
6/8/2016	72098	1053	EXCAVATOR--WHEELED	1	142.50	5.00		\$712.50		
6/8/2016	72098	2515	STOWERS SHEA	3	20.22	5.00	\$101.10			
6/8/2016	72098	1029	DUMP TRUCK	1	52.74	5.00		\$263.70		
6/8/2016	72098	1100	MCGATHA CHARLES K	3	23.65	5.00	\$118.25			
6/8/2016	72098	1031	TRUCK--FLATBED CREW	1	29.71	5.00		\$148.55		
6/9/2016	72099	2521	HILL AMOS	3	20.05	5.00	\$100.25			
6/9/2016	72099	1053	EXCAVATOR--WHEELED	1	142.50	5.00		\$712.50		
6/9/2016	72099	2515	STOWERS SHEA	3	20.22	5.00	\$101.10			
6/9/2016	72099	1029	DUMP TRUCK	1	52.74	5.00		\$263.70		
6/9/2016	72099	1100	MCGATHA CHARLES K	3	23.65	5.00	\$118.25			
6/9/2016	72099	1031	TRUCK--FLATBED CREW	1	29.71	5.00		\$148.55		
6/30/2016	72117	2521	HILL AMOS	3	20.05	5.00	\$100.25			
6/30/2016	72117	1052	EXCAVATOR--WHEELED	1	142.50	5.00		\$712.50		
6/30/2016	72117	1468	DUTTON CLAUDE C	3	18.16	5.00	\$90.80			
6/30/2016	72117	1008	DUMP TRUCK	1	88.96	5.00		\$444.80		
6/30/2016	72117	2515	STOWERS SHEA	3	20.22	5.00	\$101.10			
6/30/2016	72117	1031	TRUCK--FLATBED CREW	1	29.71	5.00		\$148.55		
Road Id - 000499-c FAIRVIEW COVE ROAD										
Activity Id 250 Ditching										
Road District -4										
9/13/2016	72181	1217	NORTON STEVE A	3	23.64	5.00	\$118.20			
9/13/2016	72181	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
9/13/2016	72181	2512	SHEELER DAVID	3	16.56	5.00	\$82.80			
9/13/2016	72181	1020	DUMP TRUCK--2003	1	45.15	5.00		\$225.75		
9/13/2016	72181	1524	KUBEN RICHARD A	3	27.38	5.00	\$136.90			
9/13/2016	72181	1055	PICKUP--2012 FORD F150	1	18.99	5.00		\$94.95		
9/15/2016	72183	1217	NORTON STEVE A	3	23.64	7.00	\$165.48			
9/15/2016	72183	1052	EXCAVATOR--WHEELED	1	148.69	7.00		\$1,040.83		
9/15/2016	72183	1490	NAIL JAMES	3	22.34	7.00	\$155.12			
9/15/2016	72183	1020	DUMP TRUCK--2003	1	45.15	7.00		\$316.05		
9/15/2016	72183	1524	KUBEN RICHARD A	3	27.38	7.00	\$191.66			
9/15/2016	72183	1055	PICKUP--2012 FORD F150	1	18.99	7.00		\$130.13		
9/20/2016	72188	1217	NORTON STEVE A	3	23.64	10.00	\$236.40			
9/20/2016	72188	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
9/20/2016	72188	1144	HEARD ERIC W	3	24.12	10.00	\$241.20			
9/20/2016	72188	1067	2016 MACK DUMP TRUCK	1	104.81	10.00		\$1,048.10		
9/20/2016	72188	1524	KUBEN RICHARD A	3	27.38	10.00	\$273.80			
9/20/2016	72188	1055	PICKUP--2012 FORD F150	1	18.99	10.00		\$189.90		
9/21/2016	72189	1217	NORTON STEVE A	3	23.64	5.00	\$118.20			
9/21/2016	72189	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
9/21/2016	72189	1144	HEARD ERIC W	3	24.12	5.00	\$120.60			
9/21/2016	72189	1067	2016 MACK DUMP TRUCK	1	104.81	5.00		\$524.05		
9/21/2016	72189	1524	KUBEN RICHARD A	3	27.38	5.00	\$136.90			
9/21/2016	72189	1055	PICKUP--2012 FORD F150	1	18.99	5.00		\$94.95		
Road Id - 000499-c FAIRVIEW DRIVE										

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Date	DF Id	ID	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-001-180W MAINTENANCE--DRAINAGE,DITCH,SHOULDER										
Road Id - 000499- FAIRVIEW DRIVE										
Activity Id 258 Ditching										
Road District -2										
5/24/2016	72087	2121	HILL AMOS	3	20.05	4.00	\$80.20			
5/24/2016	72087	1053	EXCAVATOR--WHEELED	1	142.50	4.00		\$570.00		
5/24/2016	72087	2515	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	72087	2505	GIPSON ADAM	1	19.37	4.00	\$77.48			
5/24/2016	72087	1001	TRUCK--FLATBED CREW	1	29.71	4.00		\$118.84		
Road Id - 000512- FITTS FERRY ROAD										
Activity Id 258 Ditching										
Road District -2										
4/25/2016	72062	1517	WASHINGTON ROBERT E.	3	27.41	5.00	\$137.05			
4/25/2016	72062	1005	PICKUP--2007 FORD	1	19.44	5.00		\$97.20		
4/25/2016	72062	1530	GUTHRY THOMAS	3	20.68	5.00	\$103.40			
4/25/2016	72062	1053	EXCAVATOR--WHEELED	1	142.50	5.00		\$712.50		
4/25/2016	72062	1448	DUTTON CLAUDE C	3	18.16	5.00	\$90.80			
4/25/2016	72062	1029	DUMP TRUCK	1	52.74	5.00		\$263.70		
4/25/2016	72062	0027	BRYANT JERRY A	3	29.55	5.00	\$147.75			
4/25/2016	72062	0017	PICKUP	1	14.69	5.00		\$73.45		
Road Id - 000518- FORD VALLEY ROAD										
Activity Id 258 Ditching										
Road District -1										
8/9/2016	72150	0027	BRYANT JERRY A	3	29.55	5.00	\$147.75			
8/9/2016	72150	0997	DUMP TRUCK--FLATBED	1	47.19	5.00		\$235.95		
8/9/2016	72150	1042	BACKHOE	1	61.73	5.00		\$308.65		
8/9/2016	72150	1809	PERKINS ROGER L	3	21.24	5.00	\$106.20			
8/9/2016	72150	1006	DUMP TRUCK--2013 MACK	1	78.95	5.00		\$394.75		
8/9/2016	72150	1530	GUTHRY THOMAS	3	20.68	5.00	\$103.40			
8/9/2016	72150	0017	PICKUP	1	13.88	5.00		\$69.40		
8/9/2016	72150	2128	CATTLING LEVAR	3	18.54	5.00	\$92.70			
8/29/2016	72167	2526	CARROLL MARCUS	3	17.62	2.00	\$35.24			
8/29/2016	72167	0997	DUMP TRUCK--FLATBED	1	47.19	2.00		\$94.38		
8/29/2016	72167	1042	BACKHOE	1	61.73	2.00		\$123.46		
8/29/2016	72167	1530	GUTHRY THOMAS	3	20.68	2.00	\$41.36			
8/29/2016	72167	1029	DUMP TRUCK	1	46.35	2.00		\$92.70		
8/29/2016	72167	2528	CATTLING LEVAR	3	18.54	2.00	\$37.08			
8/29/2016	72167	0981	PICKUP	1	18.31	2.00		\$36.62		
8/29/2016	72167	2123	SEARS MARQUETTE	3	16.19	2.00	\$32.38			
9/20/2016	72188	2521	HILL AMOS	3	20.05	5.00	\$100.25			
9/20/2016	72188	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
9/20/2016	72188	1448	DUTTON CLAUDE C	3	18.56	5.00	\$90.80			
9/20/2016	72188	1064	2016 MACK DUMP TRUCK	1	104.81	5.00		\$524.05		
9/20/2016	72188	2526	CARROLL MARCUS	3	17.62	5.00	\$88.10			
9/20/2016	72188	0943	PICKUP	1	13.79	5.00		\$68.95		
9/20/2016	72188	1517	WASHINGTON ROBERT E	3	27.41	5.00	\$137.05			
9/20/2016	72188	1005	PICKUP--2007 FORD	1	18.30	5.00		\$91.50		
Road Id - 000535- GALLANT ROAD										
Activity Id 258 Ditching										
Road District -4										
7/13/2016	72127	2521	HILL AMOS	3	20.05	10.00	\$200.50			
7/13/2016	72127	1053	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
7/13/2016	72127	2523	SEARS MARQUETTE	3	16.19	10.00	\$161.90			
7/13/2016	72127	1029	DUMP TRUCK	1	46.35	10.00		\$463.50		
7/14/2016	72128	2521	HILL AMOS	3	20.05	10.00	\$200.50			
7/14/2016	72128	1053	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
7/14/2016	72128	2515	STOWERS SHEA	3	20.22	10.00	\$202.20			
7/14/2016	72128	1029	DUMP TRUCK	1	46.35	10.00		\$463.50		

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Project Id - 28-001-BROW MAINTENANCE--DRAINAGE/DITCH/SHOULDER										
Road Id - 000538- GALLANT ROAD										
Activity Id 250 Ditching										
Road District -4										
7/18/2016	72131	2521	HILL AMOS	3	20.05	10.00	\$200.50			
7/18/2016	72131	1053	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
7/18/2016	72131	1468	DUTTON CLAUDE C	3	18.16	10.00	\$181.60			
7/18/2016	72131	1029	DUMP TRUCK	1	46.35	10.00		\$463.50		
7/19/2016	72132	1279	FROST RANDALL C	3	29.89	10.00	\$298.90			
7/19/2016	72132	1054	PICKUP--2012 FORD F150	1	18.59	10.00		\$185.90		
7/19/2016	72132	2521	HILL AMOS	3	20.05	10.00	\$200.50			
7/19/2016	72132	1053	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
7/19/2016	72132	1468	DUTTON CLAUDE C	3	18.16	10.00	\$181.60			
7/19/2016	72132	1029	DUMP TRUCK	1	46.35	10.00		\$463.50		
7/21/2016	72134	1279	FROST RANDALL C	3	29.89	10.00	\$298.90			
7/21/2016	72134	1054	PICKUP--2012 FORD F150	1	18.59	10.00		\$185.90		
7/21/2016	72134	2521	HILL AMOS	3	20.05	10.00	\$200.50			
7/21/2016	72134	1053	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
7/21/2016	72134	1468	DUTTON CLAUDE C	3	18.16	10.00	\$181.60			
7/21/2016	72134	1029	DUMP TRUCK	1	46.35	10.00		\$463.50		
7/25/2016	72137	2515	STOWERS SHEA	3	20.22	10.00	\$202.20			
7/25/2016	72137	1053	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
7/25/2016	72137	1196	PATTERSON WILLIAM J	3	20.77	10.00	\$207.70			
7/25/2016	72137	1029	DUMP TRUCK	1	46.35	10.00		\$463.50		
7/25/2016	72137	2521	HILL AMOS	3	20.05	5.00	\$100.25			
7/25/2016	72137	0943	PICKUP	1	13.79	5.00		\$68.95		
7/25/2016	72137	2507	GRANGER BRUCE	3	20.87	10.00	\$208.70			
7/25/2016	72137	0901	PICKUP	1	18.31	10.00		\$183.10		
7/25/2016	72137	2505	GIPSON ADAM	3	19.37	5.00	\$96.85			
7/25/2016	72137	1031	TRUCK--FLATBED CREW	1	27.92	5.00		\$139.60		
7/25/2016	72137	2523	SEARS MARQUETTE	3	16.15	5.00	\$80.75			
Road Id - 000542- GARRISON ROAD										
Activity Id 250 Ditching										
Road District -4										
4/5/2016	72047	2521	HILL AMOS	3	20.05	5.00	\$100.25			
4/5/2016	72047	1053	EXCAVATOR--WHEELED	1	142.56	5.00		\$712.80		
4/5/2016	72047	2515	STOWERS SHEA	3	20.22	5.00	\$101.10			
4/5/2016	72047	1029	DUMP TRUCK	1	52.74	5.00		\$263.70		
Road Id - 000552- GENE BROWN ROAD										
Activity Id 250 Ditching										
Road District -4										
8/29/2016	72167	1217	NORTON STEVE A	3	23.64	3.00	\$70.92			
8/29/2016	72167	1052	EXCAVATOR--WHEELED	1	148.69	3.00		\$446.07		
8/29/2016	72167	1144	HEARD ERIC W	3	24.12	3.00	\$72.36			
8/29/2016	72167	1010	DUMP TRUCK	1	77.28	3.00		\$231.84		
8/29/2016	72167	1491	NAIL JAMES	3	22.16	3.00	\$66.48			
8/29/2016	72167	1018	DUMP TRUCK--2013 MACK	1	103.66	3.00		\$310.98		
8/29/2016	72167	1524	KUHN RICHARD A	3	27.38	3.00	\$82.14			
8/29/2016	72167	1055	PICKUP--2012 FORD F150	1	18.59	3.00		\$55.77		
Road Id - 000554- GENE WHITT ROAD										
Activity Id 250 Ditching										
Road District -3										
4/5/2016	72047	1217	NORTON STEVE A	3	23.64	3.00	\$70.92			
4/5/2016	72047	1052	EXCAVATOR--WHEELED	1	142.50	3.00		\$427.50		
4/5/2016	72047	1144	HEARD ERIC W	3	24.12	3.00	\$72.36			
4/5/2016	72047	1010	DUMP TRUCK	1	88.96	3.00		\$266.88		
4/5/2016	72047	1581	SAIERS WILLIAM R	3	21.37	3.00	\$64.11			
4/5/2016	72047	1018	DUMP TRUCK--2013 MACK	1	117.09	3.00		\$351.27		
4/5/2016	72047	1581	SAIERS WILLIAM R	3	21.37	3.00	\$64.11			

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Project Id - 28-002-180W MAINTENANCE--DRAINAGE,DITCH,SHOULDER										
Road Id - 00054- GENE WHITT ROAD										
Activity Id 358 Ditching										
Road District -3										
4/5/2016	72047	1018	DUMP TRUCK--2013 MACK	1	117.09	3.00		\$351.27		
Road Id - 000561- GILLEY ROAD										
Activity Id 358 Ditching										
Road District -3										
6/27/2016	72114	0927	BRYANT JERRY A	3	29.55	5.00	\$147.75			
6/27/2016	72114	0997	DUMP TRUCK--FLATBED	1	53.58	5.00		\$267.90		
6/27/2016	72114	1042	BACKHOE	1	47.34	5.00		\$336.70		
Road Id - 000572- GLENN GAP ROAD										
Activity Id 358 Ditching										
Road District -2										
8/29/2016	72167	2526	CARROLL MARCUS	3	17.62	3.00	\$52.86			
8/29/2016	72167	0997	DUMP TRUCK--FLATBED	1	47.19	3.00		\$141.57		
8/29/2016	72167	1042	BACKHOE	1	61.73	3.00		\$185.19		
8/29/2016	72167	1330	GUTHERY THOMAS	3	20.68	3.00	\$62.04			
8/29/2016	72167	1029	DUMP TRUCK	1	46.35	3.00		\$139.05		
8/29/2016	72167	2328	CATTLING LEVAR	3	18.54	3.00	\$55.62			
8/29/2016	72167	0981	PICKUP	1	18.31	3.00		\$54.93		
8/29/2016	72167	2523	SEARS MARQUETTE	3	16.19	3.00	\$48.57			
Road Id - 000611- HAPPY HILL RD.										
Activity Id 358 Ditching										
Road District -3										
4/12/2016	72052	2117	MESSER NICHOLAS A	3	18.00	5.00	\$90.00			
4/12/2016	72052	1043	BACKHOE	1	67.34	5.00		\$336.70		
4/12/2016	72052	1000	TRAILER--UTILITY	1	11.58	5.00		\$57.90		
4/12/2016	72052	1001	DUMP TRUCK--FLATBED	1	54.34	5.00		\$271.70		
4/12/2016	72052	2320	BOBO BRIAN	3	17.60	5.00	\$88.00			
4/12/2016	72052	2132	SHEELER DAVID	3	16.56	5.00	\$82.80			
4/12/2016	72052	1020	DUMP TRUCK--2003	1	51.54	5.00		\$257.70		
4/12/2016	72052	0679	KELLEY DONALD R	3	29.80	5.00	\$149.00			
4/12/2016	72052	0983	PICKUP	1	15.75	5.00		\$78.75		
Road Id - 000656- HILL TOP BOULEVARD										
Activity Id 358 Ditching										
Road District -2										
5/12/2016	72077	2521	HILL AMOS	3	20.05	5.00	\$100.25			
5/12/2016	72077	1053	EXCAVATOR--WHEELED	1	142.50	5.00		\$712.50		
5/12/2016	72077	2387	GRANGER BRUCE	3	28.87	5.00	\$144.35			
5/12/2016	72077	1006	DUMP TRUCK--2015 MACK	1	90.61	5.00		\$453.05		
5/12/2016	72077	2115	STOWERS SHEA	3	28.22	5.00	\$141.10			
5/12/2016	72077	1001	TRUCK--FLATBED CREW	1	29.71	5.00		\$148.55		
Road Id - 000670- HOLCOMBE DR.										
Activity Id 358 Ditching										
Road District -2										
8/17/2016	72157	0927	BRYANT JERRY A	3	29.55	5.00	\$147.75			
8/17/2016	72157	0997	DUMP TRUCK--FLATBED	1	47.19	5.00		\$235.95		
8/17/2016	72157	1041	BACKHOE	1	61.73	5.00		\$308.65		
8/17/2016	72157	1468	DUTTON CLAUDE C	3	18.16	5.00	\$90.80			
8/17/2016	72157	1029	DUMP TRUCK	1	46.35	10.00		\$463.50		
Road Id - 000721- HUTCHINS AVE										
Activity Id 358 Ditching										
Road District -2										
4/6/2016	72048	2521	HILL AMOS	3	20.05	3.00	\$60.15			
4/6/2016	72048	1053	EXCAVATOR--WHEELED	1	142.50	3.00		\$427.50		
4/6/2016	72048	2523	SEARS MARQUETTE	3	16.15	3.00	\$48.57			
4/6/2016	72048	1029	DUMP TRUCK	1	52.74	3.00		\$158.22		
4/6/2016	72048	1139	MCGATHA CHARLES K	3	23.65	3.00	\$70.95			

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Project Id - 28-002-180W MAINTENANCE--DRAINAGE,DITCH,SHOULDER										
Road Id - 000721- HUTCHENS AVE										
Activity Id 250 Ditching										
Road District -2										
4/5/2016	72048	1001	TRUCK--FLATBED CREW	1	29.71	3.00		\$89.13		
Road Id - 000741- IVAN ROAD										
Activity Id 250 Ditching										
Road District -4										
9/7/2016	72176	1217	NORTON STEVE A	3	23.64	2.50	\$59.10			
9/7/2016	72176	1052	EXCAVATOR--WHEELED	1	148.69	2.50		\$371.73		
9/7/2016	72176	1264	LUMPKN MARK 5	3	30.74	2.50	\$51.85			
9/7/2016	72176	1008	DUMP TRUCK--2013 MACK	1	180.66	2.50		\$226.15		
Road Id - 000748- JACKSON TRAIL										
Activity Id 250 Ditching										
Road District -4										
5/16/2016	72080	2117	MESSER NICHOLAS A	3	18.00	4.00	\$72.00			
5/16/2016	72080	1043	BACKHOE	1	67.34	4.00		\$269.36		
5/16/2016	72080	1000	TRAILER--UTILITY	1	11.58	4.00		\$46.32		
5/16/2016	72080	1001	DUMP TRUCK--FLATBED	1	54.34	4.00		\$217.36		
5/16/2016	72080	2132	SHEELER DAVID	3	15.56	4.00	\$66.24			
5/16/2016	72080	1020	DUMP TRUCK--2003	1	31.54	4.00		\$206.16		
5/16/2016	72080	0679	KELLEY DONALD R	3	29.80	4.00	\$119.20			
5/16/2016	72080	0983	PICKUP	1	15.75	4.00		\$63.00		
Road Id - 000788- JONES CHAPEL RD										
Activity Id 250 Ditching										
Road District -2										
6/7/2016	72097	2521	HILL AMOS	3	20.05	10.00	\$200.50			
6/7/2016	72097	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
6/7/2016	72097	2115	STOWERS SHEA	3	20.22	10.00	\$202.20			
6/7/2016	72097	1029	DUMP TRUCK	1	52.74	10.00		\$527.40		
6/7/2016	72097	1110	MCGATHA CHARLES K	3	23.65	10.00	\$236.50			
6/7/2016	72097	1001	TRUCK--FLATBED CREW	1	29.71	10.00		\$297.10		
6/8/2016	72098	2521	HILL AMOS	3	20.05	5.00	\$100.25			
6/8/2016	72098	1053	EXCAVATOR--WHEELED	1	142.50	5.00		\$712.50		
6/8/2016	72098	2115	STOWERS SHEA	3	20.22	5.00	\$101.10			
6/8/2016	72098	1029	DUMP TRUCK	1	52.74	5.00		\$263.70		
6/8/2016	72098	1110	MCGATHA CHARLES K	3	23.65	5.00	\$118.25			
6/8/2016	72098	1001	TRUCK--FLATBED CREW	1	29.71	5.00		\$148.55		
8/22/2016	72161	0627	BRYANT JERRY A	3	29.55	3.00	\$88.65			
8/22/2016	72161	0997	DUMP TRUCK--FLATBED	1	47.19	3.00		\$141.57		
8/22/2016	72161	1042	BACKHOE	1	61.75	3.00		\$185.19		
8/22/2016	72161	1196	PATTERSON WILLIAM J	3	26.77	3.00	\$82.31			
8/22/2016	72161	0998	DUMP TRUCK--FLATBED	1	47.19	3.00		\$141.57		
8/22/2016	72161	2507	GRANGER BRUCE	3	28.87	3.00	\$86.61			
8/22/2016	72161	1009	DUMP TRUCK	1	77.28	3.00		\$231.84		
Road Id - 000811- KEENER LANE										
Activity Id 250 Ditching										
Road District -2										
4/12/2016	72052	2517	MESSER NICHOLAS A	3	18.00	5.00	\$90.00			
4/12/2016	72052	1043	BACKHOE	1	67.34	5.00		\$336.70		
4/12/2016	72052	1000	TRAILER--UTILITY	1	11.58	5.00		\$57.90		
4/12/2016	72052	1001	DUMP TRUCK--FLATBED	1	54.34	5.00		\$271.70		
4/12/2016	72052	2520	BOBO BRIAN	3	17.60	5.00	\$88.00			
4/12/2016	72052	0679	KELLEY DONALD R	3	29.80	5.00	\$149.00			
4/12/2016	72052	0983	PICKUP	1	15.75	5.00		\$78.75		
Road Id - 000816- KERRE LANE E										
Activity Id 250 Ditching										
Road District -4										
9/7/2016	72176	1217	NORTON STEVE A	3	23.64	2.50	\$59.10			

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Project Id - 28-002-0800V MAINTENANCE--DRAINAGE/DITCH/SHOULDER										
Road Id - 000814- KERRE LANE E										
Activity Id -350 Ditching										
Road District -4										
9/3/2016	72176	1052	EXCAVATOR--WHEELED	1	148.69	2.50		\$371.73		
9/3/2016	72176	1264	LIMPCKIN MARK 5	3	29.74	2.50	\$51.85			
9/3/2016	72176	1018	DUMP TRUCK--2013 MACK	1	103.66	2.50		\$259.15		
Road Id - 000815- KERRE LANE W										
Activity Id -350 Ditching										
Road District -4										
9/3/2016	72176	1217	NORTON STEVE A	3	23.64	2.50	\$59.10			
9/3/2016	72176	1052	EXCAVATOR--WHEELED	1	148.69	2.50		\$371.73		
9/3/2016	72176	1264	LIMPCKIN MARK 5	3	29.74	2.50	\$51.85			
9/3/2016	72176	1018	DUMP TRUCK--2013 MACK	1	103.66	2.50		\$259.15		
Road Id - 000819- KERSHAW QUARTERS RD										
Activity Id -350 Ditching										
Road District -2										
6/30/2016	72117	0027	BRYANT JERRY A	3	29.55	10.00	\$295.50			
6/30/2016	72117	0997	DUMP TRUCK--FLATBED	1	33.58	10.00		\$535.80		
6/30/2016	72117	1042	BACKHOE	1	67.34	10.00		\$673.40		
6/30/2016	72117	1196	PATTERSON WILLIAM J	3	20.77	10.00	\$207.70			
6/30/2016	72117	1046	MOTOR GRADER--2015 CAT	1	131.67	10.00		\$1,316.70		
6/30/2016	72117	2123	SEARS MARQUETTE	3	16.19	10.00	\$161.90			
6/30/2016	72117	1029	DUMP TRUCK	1	52.74	10.00		\$527.40		
Road Id - 000824- KIMBERL CIRCLE										
Activity Id -350 Ditching										
Road District -4										
8/16/2016	72156	2121	HILL AMOS	3	20.05	3.00	\$100.25			
8/16/2016	72156	1053	EXCAVATOR--WHEELED	1	148.69	3.00		\$743.45		
8/16/2016	72156	2107	GRANGER BRUCE	3	20.87	3.00	\$104.35			
8/16/2016	72156	1029	DUMP TRUCK	1	46.35	3.00		\$231.75		
8/16/2016	72156	2123	SEARS MARQUETTE	3	16.19	3.00	\$80.95			
8/16/2016	72156	1011	TRUCK--FLATBED CREW	1	27.92	3.00		\$139.60		
8/16/2016	72156	2128	CATTLING LEVAR	3	18.54	3.00	\$92.70			
Road Id - 000843- LAKE CIRCLE										
Activity Id -350 Ditching										
Road District -2										
5/18/2016	72082	2121	HILL AMOS	3	20.05	4.00	\$80.20			
5/18/2016	72082	1053	EXCAVATOR--WHEELED	1	142.50	4.00		\$370.00		
5/18/2016	72082	2105	GPSON ADAM	3	19.37	4.00	\$77.48			
5/18/2016	72082	1004	TRUCK-PICK UP FLAT CREW	1	26.64	4.00		\$106.56		
5/18/2016	72082	1468	DUTTON CLAUDE C	3	18.56	4.00	\$72.64			
5/18/2016	72082	1008	DUMP TRUCK	1	88.96	4.00		\$235.84		
5/18/2016	72082	2128	CATTLING LEVAR	3	18.54	4.00	\$74.16			
9/15/2016	72183	0027	BRYANT JERRY A	3	29.55	4.00	\$118.20			
9/15/2016	72183	0997	DUMP TRUCK--FLATBED	1	47.19	4.00		\$188.76		
9/15/2016	72183	1468	DUTTON CLAUDE C	3	18.56	4.00	\$72.64			
9/15/2016	72183	1029	DUMP TRUCK	1	46.35	4.00		\$185.40		
9/15/2016	72183	2128	CATTLING LEVAR	3	18.54	4.00	\$74.16			
9/15/2016	72183	0817	PICKUP	1	13.88	4.00		\$55.52		
9/15/2016	72183	1042	BACKHOE	1	61.73	4.00		\$246.91		
Road Id - 000849- LAKE HARDEN RD										
Activity Id -350 Ditching										
Road District -2										
5/24/2016	72087	2121	HILL AMOS	3	20.05	3.00	\$60.15			
5/24/2016	72087	1053	EXCAVATOR--WHEELED	1	142.50	3.00		\$427.50		
5/24/2016	72087	2115	STOWERS SHEA	3	20.22	3.00	\$60.66			
5/24/2016	72087	1029	DUMP TRUCK	1	52.74	3.00		\$158.22		
5/24/2016	72087	2105	GPSON ADAM	3	19.37	3.00	\$58.11			

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Project Id - 28-002180W MAINTENANCE--DRAINAGE/DITCH/SHOULDER										
Road Id - 000649- LAKE HARDEN RD										
Activity Id 350 Ditching										
Road District -2										
5/24/2016	72047	1001	TRUCK--FLATBED CREW	1	29.71	3.00		\$89.13		
Road Id - 000853- LAKE MARY LOUISE ROAD										
Activity Id 350 Ditching										
Road District -2										
4/7/2016	72049	1196	PATERSON WILLIAM J	3	29.77	3.00	\$103.85			
4/7/2016	72049	1041	BACKHOE	1	67.34	5.00		\$336.70		
5/9/2016	72074	0027	BRYANT JERRY A	3	29.55	5.00	\$147.75			
5/9/2016	72074	0998	DUMP TRUCK--FLATBED	1	53.58	5.00		\$267.90		
5/9/2016	72074	1041	BACKHOE	1	67.34	5.00		\$336.70		
5/9/2016	72074	2507	GRANGER BRUCE	3	30.87	5.00	\$104.35			
5/9/2016	72074	1009	DUMP TRUCK	1	88.96	5.00		\$444.80		
5/17/2016	72081	0027	BRYANT JERRY A	3	29.55	4.00	\$118.20			
5/17/2016	72081	0997	DUMP TRUCK--FLATBED	1	53.58	4.00		\$214.32		
5/17/2016	72081	1042	BACKHOE	1	67.34	4.00		\$269.36		
Road Id - 000909- LAY SPRINGS ROAD										
Activity Id 350 Ditching										
Road District -2										
4/7/2016	72049	1259	FROST RANDALL C	3	29.89	3.00	\$29.89			
4/7/2016	72049	1054	PICKUP--2012 FORD F150	1	19.74	3.00		\$19.74		
4/7/2016	72049	1259	FROST RANDALL C	6	39.70	3.00	\$19.70			
4/7/2016	72049	1054	PICKUP--2012 FORD F150	1	19.74	3.00		\$19.74		
4/7/2016	72049	0027	BRYANT JERRY A	6	38.47	2.00	\$76.94			
4/7/2016	72049	0997	DUMP TRUCK--FLATBED	1	53.58	2.00		\$107.16		
4/7/2016	72049	1041	BACKHOE	1	67.34	2.00		\$134.68		
4/7/2016	72049	1330	GUTHERY THOMAS	6	27.82	2.00	\$55.64			
4/7/2016	72049	1008	DUMP TRUCK	1	88.96	2.00		\$177.92		
4/7/2016	72049	0461-V	STONE--RP RAP (6-10")	TON	13.00	13.00			\$195.00	
4/7/2016	72049	2507	GRANGER BRUCE	6	27.29	2.00	\$54.58			
4/7/2016	72049	1004	TRUCK-PICK UP FLAT CREW	1	36.64	2.00		\$53.28		
4/7/2016	72049	1809	PERKINS ROGER L	6	27.77	2.00	\$55.54			
4/7/2016	72049	0817	PICKUP	1	14.69	2.00		\$29.38		
Road Id - 000927- LEMONS HOLLOW ROAD										
Activity Id 350 Ditching										
Road District -4										
8/13/2016	72157	2521	HILL AMOS	3	20.05	3.00	\$60.15			
8/13/2016	72157	1053	EXCAVATOR--WHEELED	1	148.09	3.00		\$446.07		
8/13/2016	72157	2507	GRANGER BRUCE	3	20.87	3.00	\$62.61			
8/13/2016	72157	1009	DUMP TRUCK	1	77.28	3.00		\$231.84		
8/13/2016	72157	2528	CATTLING LEVAR	3	18.54	3.00	\$55.62			
8/13/2016	72157	1001	TRUCK--FLATBED CREW	1	27.92	3.00		\$83.76		
Road Id - 000941- LEWIS ROAD										
Activity Id 350 Ditching										
Road District -2										
4/13/2016	72053	0027	BRYANT JERRY A	3	29.55	3.00	\$88.65			
4/13/2016	72053	0997	DUMP TRUCK--FLATBED	1	53.58	3.00		\$160.74		
4/13/2016	72053	1042	BACKHOE	1	67.34	3.00		\$202.02		
4/13/2016	72053	1809	PERKINS ROGER L	3	21.24	3.00	\$63.72			
4/13/2016	72053	1006	DUMP TRUCK--2015 MACK	1	99.61	3.00		\$271.83		
4/13/2016	72053	2507	GRANGER BRUCE	3	20.87	3.00	\$62.61			
4/13/2016	72053	1009	DUMP TRUCK	1	88.96	3.00		\$266.88		
Road Id - 000945- LITTLE COVE ROAD										
Activity Id 350 Ditching										
Road District -4										
9/6/2016	72173	1217	NORTON STEVE A	3	23.64	5.00	\$118.20			
9/6/2016	72173	1052	EXCAVATOR--WHEELED	1	148.09	5.00		\$740.45		

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Date	DJ#	ID	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002-180W MAINTENANCE--DRAINAGE,DITCH,SHOULDER										
Road Id - 00095-: LITTLE COVE ROAD										
Activity Id 358 Ditching										
Road District -4										
9/6/2016	72175	1144	HEARD ERIC W	3	24.32	5.00	\$120.60			
9/6/2016	72175	1010	DUMP TRUCK	1	77.28	5.00		\$386.40		
9/6/2016	72175	1264	LUMPKIN MARK S	3	20.74	5.00	\$103.70			
9/6/2016	72175	1018	DUMP TRUCK--2013 MACK	1	103.66	5.00		\$518.30		
9/6/2016	72175	1324	KUBN RICHARD A	3	27.38	5.00	\$136.90			
9/6/2016	72175	1055	PICKUP--2012 FORD F150	1	18.59	5.00		\$92.95		
9/7/2016	72176	1217	NORTON STEVE A	3	23.64	2.50	\$59.10			
9/7/2016	72176	1052	EXCAVATOR--WHEELED	1	148.69	2.50		\$371.73		
9/7/2016	72176	1264	LUMPKIN MARK S	3	20.74	2.50	\$51.85			
9/7/2016	72176	1018	DUMP TRUCK--2013 MACK	1	103.66	2.50		\$259.15		
9/8/2016	72177	1217	NORTON STEVE A	3	23.64	5.00	\$118.20			
9/8/2016	72177	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
9/8/2016	72177	1264	LUMPKIN MARK S	3	20.74	5.00	\$103.70			
9/8/2016	72177	1018	DUMP TRUCK--2013 MACK	1	103.66	5.00		\$518.30		
9/8/2016	72177	1324	KUBN RICHARD A	3	27.38	5.00	\$136.90			
9/8/2016	72177	1055	PICKUP--2012 FORD F150	1	18.59	5.00		\$92.95		
9/12/2016	72180	1217	NORTON STEVE A	3	23.64	4.00	\$94.56			
9/12/2016	72180	1052	EXCAVATOR--WHEELED	1	148.69	4.00		\$594.76		
9/12/2016	72180	1491	NAIL JAMES	3	22.16	4.00	\$88.64			
9/12/2016	72180	1018	DUMP TRUCK--2013 MACK	1	103.66	4.00		\$414.64		
9/12/2016	72180	1324	KUBN RICHARD A	3	27.38	4.00	\$109.52			
9/12/2016	72180	1055	PICKUP--2012 FORD F150	1	18.59	4.00		\$74.36		
Road Id - 000970-: LITTLETON ROAD										
Activity Id 358 Ditching										
Road District -3										
5/9/2016	72074	1225	POSEY JAMES D	3	21.22	2.50	\$53.05			
5/9/2016	72074	1040	BACKHOE	1	67.24	2.50		\$168.15		
5/9/2016	72074	1090	TRAILER--UTILITY	1	11.58	2.50		\$28.95		
5/9/2016	72074	1001	DUMP TRUCK--FLATBED	1	54.54	2.50		\$136.85		
5/9/2016	72074	0679	KELLEY DONALD R	3	29.80	2.50	\$74.50			
5/9/2016	72074	1020	DUMP TRUCK--2003	1	51.54	2.50		\$128.85		
Road Id - 000998-: MACEDONIA ROAD										
Activity Id 358 Ditching										
Road District -3										
5/19/2016	72083	2521	HELL AMOS	3	20.05	3.00	\$60.25			
5/19/2016	72083	1053	EXCAVATOR--WHEELED	1	142.50	3.00		\$712.50		
5/19/2016	72083	2115	STOWERS SHEA	3	20.22	3.00	\$60.66			
5/19/2016	72083	1029	DUMP TRUCK	1	52.74	3.00		\$263.70		
5/19/2016	72083	2528	CATTLING LEVAR	3	18.54	3.00	\$55.62			
5/19/2016	72083	1001	TRUCK--FLATBED CREW	1	29.71	3.00		\$148.55		
5/23/2016	72086	2521	HELL AMOS	3	20.05	10.00	\$200.50			
5/23/2016	72086	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
5/23/2016	72086	2115	STOWERS SHEA	3	20.22	10.00	\$202.20			
5/23/2016	72086	1029	DUMP TRUCK	1	52.74	10.00		\$527.40		
5/23/2016	72086	2505	GIBSON ADAM	3	19.37	10.00	\$193.70			
5/23/2016	72086	1001	TRUCK--FLATBED CREW	1	29.71	10.00		\$297.10		
5/23/2016	72086	2528	CATTLING LEVAR	3	18.54	10.00	\$185.40			
Road Id - 001049-: MAYO CIRCLE										
Activity Id 358 Ditching										
Road District -4										
9/27/2016	72196	1217	NORTON STEVE A	3	23.64	3.00	\$70.92			
9/27/2016	72196	1052	EXCAVATOR--WHEELED	1	148.69	3.00		\$743.45		
9/27/2016	72196	1144	HEARD ERIC W	3	24.32	3.00	\$72.96			
9/27/2016	72196	1068	2016 MACK DUMP TRUCK	1	194.81	3.00		\$584.43		
9/27/2016	72196	1324	KUBN RICHARD A	3	27.38	3.00	\$82.14			

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Project Id - 28-001-180W MAINTENANCE--DRAINAGE,DITCH,SHOULDER										
Road Id - 001049- MAYO CIRCLE										
Activity Id 250 Ditching										
Road District -4										
9/21/2016	72196	1055	PICKUP--2012 FORD F150	1	18.59	5.00		\$92.95		
Road Id - 001050- MAYO ROAD										
Activity Id 250 Ditching										
Road District -4										
5/9/2016	72074	1225	POSEY JAMES D	3	21.22	2.50	\$53.05			
5/9/2016	72074	1040	BACKHOE	1	67.34	2.50		\$168.35		
5/9/2016	72074	1000	TRAILER--UTILITY	1	11.58	2.50		\$28.95		
5/9/2016	72074	1001	DUMP TRUCK--FLATBED	1	54.36	2.50		\$135.85		
5/9/2016	72074	0679	KELLEY DONALD R	3	29.80	2.50	\$74.50			
5/9/2016	72074	1020	DUMP TRUCK--2003	1	31.54	2.50		\$128.85		
9/26/2016	72195	1217	NORTON STEVE A	3	23.64	3.00	\$118.20			
9/26/2016	72195	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
9/26/2016	72195	1144	HEARD ERIC W	3	24.12	5.00	\$120.60			
9/26/2016	72195	1067	2016 MACK DUMP TRUCK	1	104.81	5.00		\$524.05		
9/27/2016	72196	1217	NORTON STEVE A	3	23.64	5.00	\$118.20			
9/27/2016	72196	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
9/27/2016	72196	1144	HEARD ERIC W	3	24.12	5.00	\$120.60			
9/27/2016	72196	1068	2016 MACK DUMP TRUCK	1	104.81	5.00		\$524.05		
9/27/2016	72196	1524	KUBN RICHARD A	3	27.38	5.00	\$136.90			
9/27/2016	72196	1055	PICKUP--2012 FORD F150	1	18.59	5.00		\$92.95		
Road Id - 001051- MAYO ROAD SOUTH										
Activity Id 250 Ditching										
Road District -4										
9/26/2016	72195	1217	NORTON STEVE A	3	23.64	5.00	\$118.20			
9/26/2016	72195	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
9/26/2016	72195	1144	HEARD ERIC W	3	24.12	5.00	\$120.60			
9/26/2016	72195	1067	2016 MACK DUMP TRUCK	1	104.81	5.00		\$524.05		
Road Id - 001055- MCCLAREN AVENUE										
Activity Id 250 Ditching										
Road District -2										
4/7/2016	72049	2521	HILL AMOS	3	20.05	5.00	\$100.25			
4/7/2016	72049	1053	EXCAVATOR--WHEELED	1	142.50	5.00		\$712.50		
4/7/2016	72049	1468	DRYTON CLAUDE C	3	18.16	5.00	\$90.80			
4/7/2016	72049	1029	DUMP TRUCK	1	52.74	5.00		\$263.70		
4/7/2016	72049	1110	MCGATHA CHARLES K	3	23.65	5.00	\$118.25			
4/7/2016	72049	1031	TRUCK--FLATBED CREW	1	29.71	5.00		\$148.55		
Road Id - 001076- MCWHORTER ROAD										
Activity Id 250 Ditching										
Road District -4										
8/29/2016	72167	1217	NORTON STEVE A	3	23.64	3.00	\$70.92			
8/29/2016	72167	1052	EXCAVATOR--WHEELED	1	148.69	3.00		\$446.07		
8/29/2016	72167	1144	HEARD ERIC W	3	24.12	3.00	\$72.36			
8/29/2016	72167	1010	DUMP TRUCK	1	77.28	3.00		\$231.84		
8/29/2016	72167	1491	NAE JAMES	3	22.16	3.00	\$66.48			
8/29/2016	72167	1018	DUMP TRUCK--2003 MACK	1	105.66	3.00		\$316.98		
8/29/2016	72167	1524	KUBN RICHARD A	3	27.38	3.00	\$82.14			
8/29/2016	72167	1055	PICKUP--2012 FORD F150	1	18.59	3.00		\$55.77		
Road Id - 001096- MILLER HOLLOW ROAD										
Activity Id 250 Ditching										
Road District -4										
8/16/2016	72156	2521	HILL AMOS	3	20.05	5.00	\$100.25			
8/16/2016	72156	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
8/16/2016	72156	2507	GRANGER BRUCE	3	20.87	5.00	\$104.35			
8/16/2016	72156	1029	DUMP TRUCK	1	46.35	5.00		\$231.75		
8/16/2016	72156	2523	SEARS MARQUETTE	3	16.19	5.00	\$80.95			

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Project Id - 28002-AROW MAINTENANCE--DRAINAGE,DITCH,SHOULDER										
Road Id - 000096- MILLER HOLLOW ROAD										
Activity Id -350 Ditching										
Road District -4										
8/16/2016	72156	1034	TRUCK--FLATBED CREW	1	27.92	5.00				\$139.60
8/16/2016	72156	2528	CATTLING LEYAR	3	18.54	5.00	\$92.70			
8/17/2016	72157	2521	BILL AMOS	3	20.05	3.00	\$60.15			
8/17/2016	72157	1053	EXCAVATOR--WHEELED	1	148.69	3.00				\$446.07
8/17/2016	72157	2907	GRANGER BRUCE	3	20.87	3.00	\$62.61			
8/17/2016	72157	1009	DUMP TRUCK	1	77.28	3.00				\$231.84
8/17/2016	72157	2528	CATTLING LEYAR	3	18.34	3.00	\$55.02			
8/17/2016	72157	1034	TRUCK--FLATBED CREW	1	27.92	3.00				\$83.76
Road Id - 002055- MURDOCK ROAD										
Activity Id -350 Ditching										
Road District -J										
4/23/2016	72064	2517	MESSER NICHOLAS A	3	18.00	4.00	\$72.00			
4/23/2016	72064	1040	BACKHOE	1	67.34	4.00				\$269.36
4/23/2016	72064	1000	TRAILER--UTILITY	1	11.58	4.00				\$46.32
4/23/2016	72064	1001	DUMP TRUCK--FLATBED	1	54.34	4.00				\$217.36
4/23/2016	72064	0679	KELLEY DONALD R	3	29.80	4.00	\$119.20			
4/23/2016	72064	0983	PICKUP	1	15.75	4.00				\$63.00
4/23/2016	72064	2512	SHEELER DAVID	3	16.56	4.00	\$66.24			
4/23/2016	72064	1034	DUMP TRUCK	1	88.96	4.00				\$355.84
Road Id - 002057- MURPHREE VALLEY ROAD										
Activity Id -350 Ditching										
Road District -4										
4/6/2016	72048	2120	BOBO BRIAN	3	17.60	5.00	\$88.00			
4/6/2016	72048	1020	DUMP TRUCK--2003	1	51.54	5.00				\$257.70
4/6/2016	72048	2517	MESSER NICHOLAS A	3	18.00	5.00	\$90.00			
4/6/2016	72048	1043	BACKHOE	1	67.34	5.00				\$336.70
4/6/2016	72048	1000	TRAILER--UTILITY	1	11.58	5.00				\$57.90
4/6/2016	72048	1001	DUMP TRUCK--FLATBED	1	54.34	5.00				\$271.70
4/6/2016	72048	0679	KELLEY DONALD R	3	29.80	5.00	\$149.00			
4/6/2016	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			
9/12/2016	72180	1052	EXCAVATOR--WHEELED	1	148.69	3.00				\$446.07
9/12/2016	72180	1491	NAIL JAMES	3	22.16	3.00	\$66.48			
9/12/2016	72180	1018	DUMP TRUCK--2013 MACK	1	103.66	3.00				\$310.98
9/12/2016	72180	1524	KUBEN RICHARD A	3	27.38	3.00	\$82.14			
9/12/2016	72180	1055	PICKUP--2012 FORD F150	1	18.59	3.00				\$55.77
Road Id - 002076- NEW HOME ROAD										
Activity Id -350 Ditching										
Road District -4										
8/31/2016	72169	1217	NORTON STEVE A	3	23.64	3.00	\$70.92			
8/31/2016	72169	1052	EXCAVATOR--WHEELED	1	148.69	3.00				\$446.07
8/31/2016	72169	1217	NORTON STEVE A	3	23.64	3.00	\$70.92			
8/31/2016	72169	1052	EXCAVATOR--WHEELED	1	148.69	3.00				\$446.07
8/31/2016	72169	1491	NAIL JAMES	3	22.16	3.00	\$66.48			
8/31/2016	72169	1018	DUMP TRUCK--2013 MACK	1	103.66	3.00				\$310.98
8/31/2016	72169	1524	KUBEN RICHARD A	3	27.38	3.00	\$82.14			
8/31/2016	72169	1055	PICKUP--2012 FORD F150	1	18.59	3.00				\$55.77
Road Id - 002077- NEW HOPE ROAD										
Activity Id -350 Ditching										
Road District -1										
6/23/2016	72111	0023	BRYANT JERRY A	3	29.53	3.00	\$88.59			
6/23/2016	72111	0997	DUMP TRUCK--FLATBED	1	53.58	3.00				\$160.74
6/23/2016	72111	2526	CARROLL MARCUS	3	17.62	3.00	\$52.86			
6/23/2016	72111	1029	DUMP TRUCK	1	52.74	3.00				\$158.22
6/23/2016	72111	2523	SEARS MARQUETTE	3	16.19	3.00	\$48.57			

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Project ID - 25-002-180W MAINTENANCE--DRAINAGE/DITCH/SHOULDER										
Road ID - 002077- NEW HOPE ROAD										
Activity ID -350 Ditching										
Road District -1										
6/23/2016	72111	0943	PICKUP	1	14.61	3.00		\$43.83		
6/23/2016	72111	1043	BACKHOE	1	67.34	3.00		\$202.02		
Road ID - 002087- NOBLE ROAD										
Activity ID -350 Ditching										
Road District -3										
8/10/2016	72151	2521	HILL AMOS	3	20.05	5.00	\$100.25			
8/10/2016	72151	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
8/10/2016	72151	1468	DUTTON CLAUDE C	3	18.16	5.00	\$90.80			
8/10/2016	72151	1008	DUMP TRUCK	1	37.28	5.00		\$386.40		
8/10/2016	72151	2585	GIPSON ADAM	3	19.37	5.00	\$96.85			
8/10/2016	72151	0981	PICKUP	1	18.31	5.00		\$91.55		
8/10/2016	72151	2523	SEARS MARQUETTE	3	16.19	5.00	\$80.95			
Road ID - 002112- OAKES ROAD										
Activity ID -350 Ditching										
Road District -3										
4/7/2016	72049	1217	NORTON STEVE A	3	23.64	10.00	\$236.40			
4/7/2016	72049	1043	BACKHOE	1	67.34	10.00		\$673.40		
4/7/2016	72049	1181	SALERS WILLIAM R	3	21.37	10.00	\$213.70			
4/7/2016	72049	1008	DUMP TRUCK--2013 MACK	1	117.09	10.00		\$1,170.90		
4/7/2016	72049	1124	KUHN RICHARD A	3	27.58	10.00	\$275.80			
4/7/2016	72049	1055	PICKUP--2012 FORD F150	1	19.74	10.00		\$197.40		
5/3/2016	72069	2117	MESSER NICHOLAS A	3	18.00	4.00	\$72.00			
5/3/2016	72069	1040	BACKHOE	1	67.34	4.00		\$269.36		
5/3/2016	72069	1000	TRAILER--UTILITY	1	11.58	4.00		\$46.32		
5/3/2016	72069	1001	DUMP TRUCK--FLATBED	1	54.34	4.00		\$217.36		
5/3/2016	72069	2512	SHEELER DAVID	3	16.56	4.00	\$66.24			
5/3/2016	72069	1020	DUMP TRUCK--2003	1	51.54	4.00		\$206.16		
5/3/2016	72069	0679	KELLEY DONALD R	3	29.80	4.00	\$119.20			
5/3/2016	72069	0983	PICKUP	1	15.75	4.00		\$63.00		
Road ID - 002120- OLD GALLANT ROAD										
Activity ID -350 Ditching										
Road District -4										
8/11/2016	72152	2531	MAYS JIMMY R	3	16.20	5.00	\$81.00			
8/11/2016	72152	1043	BACKHOE	1	61.75	5.00		\$308.65		
8/11/2016	72152	0679	KELLEY DONALD R	3	29.80	5.00	\$149.00			
8/11/2016	72152	1000	TRAILER--UTILITY	1	12.47	5.00		\$62.35		
8/11/2016	72152	1001	DUMP TRUCK--FLATBED	1	47.95	5.00		\$239.65		
Road ID - 002128- OLD SHEFFIELD GAP ROAD										
Activity ID -350 Ditching										
Road District -3										
4/18/2016	72057	2517	MESSER NICHOLAS A	3	18.00	3.00	\$54.00			
4/18/2016	72057	1040	BACKHOE	1	67.34	3.00		\$202.02		
4/18/2016	72057	1000	TRAILER--UTILITY	1	11.58	3.00		\$34.74		
4/18/2016	72057	1001	DUMP TRUCK--FLATBED	1	54.34	3.00		\$163.02		
4/18/2016	72057	2512	SHEELER DAVID	3	16.56	3.00	\$49.68			
4/18/2016	72057	1020	DUMP TRUCK--2003	1	51.54	3.00		\$154.62		
4/18/2016	72057	0679	KELLEY DONALD R	3	29.80	3.00	\$89.40			
4/18/2016	72057	0983	PICKUP	1	15.75	3.00		\$47.25		
Road ID - 002133- OLD FORD VALLEY ROAD										
Activity ID -350 Ditching										
Road District -1										
6/23/2016	72111	0027	BRYANT JERRY A	3	29.55	3.00	\$88.65			
6/23/2016	72111	0997	DUMP TRUCK--FLATBED	1	51.58	3.00		\$160.74		
6/23/2016	72111	2516	CARROLL MARCUS	3	17.62	3.00	\$52.86			
6/23/2016	72111	1029	DUMP TRUCK	1	32.74	3.00		\$158.22		

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Project Id - 28-001-180W MAINTENANCE--DRAINAGE/DITCH/SHOULDER										
Road Id - 002833- OLD FORD VALLEY ROAD										
Activity Id 350 Ditching										
Road District -1										
6/23/2016	72111	2523	SEARS MARQUETTE	3	16.19	3.00	\$48.57			
6/23/2016	72111	0943	PICKUP	1	14.61	3.00		\$43.83		
6/23/2016	72111	1042	BACKHOE	1	67.34	3.00		\$202.02		
Road Id - 002840- OTWELL ROAD										
Activity Id 350 Ditching										
Road District -2										
4/7/2016	72049	1196	PATTERSON WILLIAM J	3	20.77	5.00	\$103.85			
4/7/2016	72049	1041	BACKHOE	1	67.34	5.00		\$336.70		
Road Id - 002848- OWENS SWITCH ROAD										
Activity Id 350 Ditching										
Road District -2										
4/26/2016	72063	1317	WASHINGTON ROBERT E	3	27.41	3.00	\$82.23			
4/26/2016	72063	0998	DUMP TRUCK--FLATBED	1	53.58	3.00		\$160.74		
4/26/2016	72063	1042	BACKHOE	1	67.34	3.00		\$202.02		
4/26/2016	72063	1809	PERKINS ROGER L	3	21.24	3.00	\$63.72			
4/26/2016	72063	1036	DUMP TRUCK--2013 MACK	1	99.81	3.00		\$271.83		
4/26/2016	72063	2507	GRANDER BRUCE	3	28.87	3.00	\$86.61			
4/26/2016	72063	0817	PICKUP	1	14.69	3.00		\$44.07		
4/26/2016	72063	2515	STOWERS SHEA	3	20.22	3.00	\$60.66			
4/26/2016	72063	0882	DUMP TRUCK--FLAT BED	1	48.75	3.00		\$149.25		
Road Id - 002849- OWLS HOLLOW ROAD										
Activity Id 350 Ditching										
Road District -2										
5/3/2016	72068	1317	WASHINGTON ROBERT E	3	27.41	10.00	\$274.10			
5/3/2016	72068	1005	PICKUP--2007 FORD	1	19.44	10.00		\$194.40		
5/3/2016	72068	2521	HILL AMOS	3	20.05	10.00	\$200.50			
5/3/2016	72068	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
5/3/2016	72068	1468	DUTTON CLAUDE C	3	18.36	10.00	\$183.60			
5/3/2016	72068	1029	DUMP TRUCK	1	52.74	10.00		\$527.40		
5/3/2016	72068	2515	STOWERS SHEA	3	20.22	10.00	\$202.20			
5/3/2016	72068	1031	TRUCK--FLATBED CREW	1	29.71	10.00		\$297.10		
5/4/2016	72070	1317	WASHINGTON ROBERT E	3	27.41	10.00	\$274.10			
5/4/2016	72070	1005	PICKUP--2007 FORD	1	19.44	10.00		\$194.40		
5/4/2016	72070	2521	HILL AMOS	3	20.05	10.00	\$200.50			
5/4/2016	72070	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
5/4/2016	72070	1468	DUTTON CLAUDE C	3	18.36	10.00	\$183.60			
5/4/2016	72070	1029	DUMP TRUCK	1	52.74	10.00		\$527.40		
5/4/2016	72070	2515	STOWERS SHEA	3	20.22	10.00	\$202.20			
5/4/2016	72070	1031	TRUCK--FLATBED CREW	1	29.71	10.00		\$297.10		
5/5/2016	72071	1317	WASHINGTON ROBERT E	3	27.41	5.00	\$137.05			
5/5/2016	72071	1005	PICKUP--2007 FORD	1	19.44	5.00		\$97.20		
5/5/2016	72071	2521	HILL AMOS	3	20.05	10.00	\$200.50			
5/5/2016	72071	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
5/5/2016	72071	1468	DUTTON CLAUDE C	3	18.36	10.00	\$183.60			
5/5/2016	72071	1008	DUMP TRUCK	1	88.96	10.00		\$889.60		
5/5/2016	72071	2515	STOWERS SHEA	3	20.22	10.00	\$202.20			
5/5/2016	72071	1031	TRUCK--FLATBED CREW	1	29.71	10.00		\$297.10		
5/9/2016	72074	2521	HILL AMOS	3	20.05	5.00	\$100.25			
5/9/2016	72074	1053	EXCAVATOR--WHEELED	1	142.50	5.00		\$712.50		
5/9/2016	72074	1468	DUTTON CLAUDE C	3	18.36	5.00	\$90.80			
5/9/2016	72074	1031	TRUCK--FLATBED CREW	1	29.71	5.00		\$148.55		
5/9/2016	72074	2515	STOWERS SHEA	3	20.22	5.00	\$101.10			
5/9/2016	72074	0981	PICKUP	1	19.44	5.00		\$97.20		
5/10/2016	72075	2521	HILL AMOS	3	20.05	10.00	\$200.50			
5/10/2016	72075	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		

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Project Id - 25-002-BROW MAINTENANCE--DRAINAGE/DITCH/SHOULDER										
Road Id - 002049- OWLS HOLLOW ROAD										
Activity Id -250 Ditching										
Road District -2										
5/10/2016	72075	1468	DUTTON CLAUDE C	3	18.16	10.00	\$181.60			
5/10/2016	72075	1029	DUMP TRUCK	1	52.74	10.00		\$527.40		
5/10/2016	72075	2525	STOWERS SHEA	3	20.22	10.00	\$202.20			
5/10/2016	72075	0817	PICKUP	1	14.69	10.00		\$146.90		
5/11/2016	72076	2121	HILL AMOS	3	20.05	10.00	\$200.50			
5/11/2016	72076	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
5/11/2016	72076	1468	DUTTON CLAUDE C	3	18.16	10.00	\$181.60			
5/11/2016	72076	1029	DUMP TRUCK	1	52.74	10.00		\$527.40		
5/11/2016	72076	2507	GRANGER BRUCE	3	20.87	10.00	\$208.70			
5/11/2016	72076	1001	TRUCK--FLATBED CREW	1	29.71	10.00		\$297.10		
Road Id - 002086- PERRY WORKS ROAD										
Activity Id -250 Ditching										
Road District -3										
8/9/2016	72150	1468	DUTTON CLAUDE C	3	18.16	2.50	\$45.40			
8/9/2016	72150	1008	DUMP TRUCK	1	77.28	2.50		\$203.20		
8/9/2016	72150	2521	HILL AMOS	3	20.05	2.50	\$50.13			
8/9/2016	72150	1053	EXCAVATOR--WHEELED	1	148.69	2.50		\$371.73		
Road Id - 002220- PILGRIMS REST ROAD										
Activity Id -250 Ditching										
Road District -1										
4/20/2016	72059	1117	WASHINGTON ROBERT E	3	27.41	8.00	\$219.28			
4/20/2016	72059	0998	DUMP TRUCK--FLATBED	1	53.58	8.00		\$428.64		
4/20/2016	72059	1041	BACKHOE	1	67.34	8.00		\$538.72		
Road Id - 002263- PLEASANT VALLEY ROAD										
Activity Id -250 Ditching										
Road District -4										
8/23/2016	72161	2121	HILL AMOS	3	20.05	5.00	\$100.25			
8/23/2016	72161	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
8/23/2016	72161	1809	PERKINS ROGER L	3	21.24	5.00	\$106.20			
8/23/2016	72161	1029	DUMP TRUCK	1	46.35	5.00		\$231.75		
8/23/2016	72161	2123	SEARS MARQUETTE	3	16.19	5.00	\$80.95			
8/23/2016	72161	1001	TRUCK--FLATBED CREW	1	27.92	5.00		\$139.60		
8/23/2016	72161	2528	CATTLING LEVAR	3	18.54	5.00	\$92.70			
8/23/2016	72162	2521	HILL AMOS	3	20.05	5.00	\$100.25			
8/23/2016	72162	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
8/23/2016	72162	1468	DUTTON CLAUDE C	3	18.16	5.00	\$90.80			
8/23/2016	72162	1029	DUMP TRUCK	1	46.35	5.00		\$231.75		
8/23/2016	72162	2528	CATTLING LEVAR	3	18.54	5.00	\$92.70			
8/23/2016	72162	1001	TRUCK--FLATBED CREW	1	27.92	5.00		\$139.60		
8/23/2016	72162	2123	SEARS MARQUETTE	3	16.19	5.00	\$80.95			
8/24/2016	72163	2521	HILL AMOS	3	20.05	3.00	\$60.15			
8/24/2016	72163	1053	EXCAVATOR--WHEELED	1	148.69	3.00		\$446.07		
8/24/2016	72163	1468	DUTTON CLAUDE C	3	18.16	3.00	\$54.48			
8/24/2016	72163	1029	DUMP TRUCK	1	46.35	3.00		\$139.05		
8/24/2016	72163	2507	GRANGER BRUCE	3	20.87	3.00	\$62.61			
8/24/2016	72163	1001	TRUCK--FLATBED CREW	1	27.92	3.00		\$83.76		
8/24/2016	72163	2526	CARROLL MARCUS	3	17.62	3.00	\$52.86			
Road Id - 002271- PONDEROSA ROAD										
Activity Id -250 Ditching										
Road District -4										
5/3/2016	72069	2517	MESSER NICHOLAS A	3	18.00	4.00	\$72.00			
5/3/2016	72069	1040	BACKHOE	1	67.34	4.00		\$269.36		
5/3/2016	72069	1000	TRAILER--UTILITY	1	11.58	4.00		\$46.32		
5/3/2016	72069	1001	DUMP TRUCK--FLATBED	1	54.34	4.00		\$217.36		
5/3/2016	72069	2512	SHEELER DAVID	3	16.56	4.00	\$66.24			

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Project Id - 28-002-180W MAINTENANCE--DRAINAGE/DITCH/SHOULDER										
Road Id - 002271- PONDEROSA ROAD										
Activity Id -358 Ditching										
Road District -4										
5/3/2016	72069	1020	DUMP TRUCK--2003	1	51.54	4.00		\$206.16		
5/3/2016	72069	0679	KELLEY DONALD R	3	29.80	4.00	\$119.20			
5/3/2016	72069	0983	PICKUP	1	15.75	4.00		\$63.00		
Road Id - 002275- POPE ROAD										
Activity Id -358 Ditching										
Road District -2										
8/9/2016	72150	0027	BRYANT JERRY A	3	29.55	5.00	\$147.75			
8/9/2016	72150	0997	DUMP TRUCK--FLATBED	1	47.19	5.00		\$235.95		
8/9/2016	72150	1042	BACKHOE	1	61.73	5.00		\$308.65		
8/9/2016	72150	1809	PERKINS ROGER L	3	21.24	5.00	\$106.20			
8/9/2016	72150	1056	DUMP TRUCK--2015 MACK	1	78.95	5.00		\$394.75		
8/9/2016	72150	1330	GUTHRY THOMAS	3	20.68	5.00	\$103.40			
8/9/2016	72150	0817	PICKUP	1	13.88	5.00		\$69.40		
8/9/2016	72150	2528	CATTLING LEVAR	3	18.54	5.00	\$92.70			
Road Id - 002285- PULL TIGHT ROAD										
Activity Id -358 Ditching										
Road District -2										
5/19/2016	72083	2521	HILL AMOS	3	20.05	5.00	\$100.25			
5/19/2016	72083	1053	EXCAVATOR--WHEELED	1	142.30	5.00		\$712.50		
5/19/2016	72083	2515	STOWERS SHEA	3	20.22	5.00	\$101.10			
5/19/2016	72083	1029	DUMP TRUCK	1	52.74	5.00		\$263.70		
5/19/2016	72083	2528	CATTLING LEVAR	3	18.54	5.00	\$92.70			
5/19/2016	72083	1091	TRUCK--FLATBED CREW	1	29.71	5.00		\$148.55		
9/15/2016	72183	0027	BRYANT JERRY A	3	29.55	3.00	\$88.65			
9/15/2016	72183	0997	DUMP TRUCK--FLATBED	1	47.19	3.00		\$141.57		
9/15/2016	72183	1448	DUTTON CLAUDE C	3	18.16	3.00	\$54.48			
9/15/2016	72183	1029	DUMP TRUCK	1	46.35	3.00		\$139.05		
9/15/2016	72183	2528	CATTLING LEVAR	3	18.54	3.00	\$55.62			
9/15/2016	72183	0817	PICKUP	1	13.88	3.00		\$41.64		
9/15/2016	72183	1042	BACKHOE	1	61.73	3.00		\$185.19		
Road Id - 002308- RANDALL ROAD										
Activity Id -358 Ditching										
Road District -4										
5/9/2016	72074	1225	POSEY JAMES D	3	21.22	2.50	\$53.05			
5/9/2016	72074	1040	BACKHOE	1	67.34	2.50		\$168.35		
5/9/2016	72074	1090	TRAILER--UTILITY	1	11.58	2.50		\$28.95		
5/9/2016	72074	1091	DUMP TRUCK--FLATBED	1	54.34	2.50		\$135.85		
5/9/2016	72074	0679	KELLEY DONALD R	3	29.80	2.50	\$74.50			
5/9/2016	72074	1020	DUMP TRUCK--2003	1	51.54	2.50		\$128.85		
Road Id - 002317- RED HELL CHURCH ROAD										
Activity Id -358 Ditching										
Road District -3										
5/2/2016	72068	2517	MESSER NICHOLAS A	3	18.00	1.00	\$90.00			
5/2/2016	72068	1040	BACKHOE	1	67.34	1.00		\$136.70		
5/2/2016	72068	1090	TRAILER--UTILITY	1	11.58	1.00		\$57.90		
5/2/2016	72068	1091	DUMP TRUCK--FLATBED	1	54.34	1.00		\$271.70		
5/2/2016	72068	2512	SHEELER DAVID	3	16.56	1.00	\$82.80			
5/2/2016	72068	1020	DUMP TRUCK--2003	1	51.54	1.00		\$257.70		
5/2/2016	72068	0679	KELLEY DONALD R	3	29.80	1.00	\$149.00			
5/2/2016	72068	0983	PICKUP	1	15.75	1.00		\$38.75		
Road Id - 002336- RICKLES ROAD										
Activity Id -358 Ditching										
Road District -3										
4/5/2016	72047	1217	NORTON STEVE A	3	23.64	4.00	\$94.56			
4/5/2016	72047	1052	EXCAVATOR--WHEELED	1	142.50	4.00		\$570.00		

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Project Id - 28-001-180W MAINTENANCE--DRAINAGE/DITCH/SIDWALKER										
Road Id - 002336- RICKLES ROAD										
Activity Id 350 Ditching										
Road District -3										
4/5/2016	72047	1144	HEARD ERIC W	3	24.12	4.00	\$96.48			
4/5/2016	72047	1010	DUMP TRUCK	1	88.96	4.00		\$355.84		
4/5/2016	72047	1381	SAJERS WILLIAM R	3	21.37	4.00	\$85.48			
4/5/2016	72047	1018	DUMP TRUCK--2013 MACK	1	117.09	4.00		\$468.36		
4/5/2016	72047	1381	SAJERS WILLIAM R	3	21.37	4.00	\$85.48			
4/5/2016	72047	1018	DUMP TRUCK--2013 MACK	1	117.09	4.00		\$468.36		
8/9/2016	72150	1468	DUTTON CLAUDE C	3	18.16	2.50	\$45.40			
8/9/2016	72150	1008	DUMP TRUCK	1	77.28	2.50		\$193.20		
8/9/2016	72150	2121	HILL AMOS	3	20.05	2.50	\$50.13			
8/9/2016	72150	1053	EXCAVATOR--WHEELED	1	148.69	2.50		\$371.73		
8/10/2016	72151	2121	HILL AMOS	3	20.05	3.00	\$100.25			
8/10/2016	72151	1053	EXCAVATOR--WHEELED	1	148.69	3.00		\$743.45		
8/10/2016	72151	1468	DUTTON CLAUDE C	3	18.16	3.00	\$90.80			
8/10/2016	72151	1008	DUMP TRUCK	1	77.28	3.00		\$386.40		
8/10/2016	72151	2105	GIPSON ADAM	3	19.37	3.00	\$96.83			
8/10/2016	72151	0981	PICKUP	1	18.31	3.00		\$91.55		
8/10/2016	72151	2123	SEARS MARQUETTE	3	16.19	3.00	\$80.97			
Road Id - 002348- RIVER CLIFF DRIVE										
Activity Id 350 Ditching										
Road District -2										
4/12/2016	72052	2121	HILL AMOS	3	20.05	3.00	\$60.15			
4/12/2016	72052	1053	EXCAVATOR--WHEELED	1	142.50	3.00		\$427.50		
4/12/2016	72052	1468	DUTTON CLAUDE C	3	18.16	3.00	\$54.48			
4/12/2016	72052	1009	DUMP TRUCK	1	52.74	3.00		\$158.22		
4/12/2016	72052	1130	GUTHRY THOMAS	3	20.68	3.00	\$62.04			
4/12/2016	72052	1011	TRUCK--FLATBED CREW	1	29.71	3.00		\$89.13		
4/12/2016	72052	1110	MCGATHA CHARLES K	3	23.65	3.00	\$70.95			
4/12/2016	72052	0981	PICKUP	1	19.44	3.00		\$58.32		
Road Id - 002359- RIVER RUN ROAD										
Activity Id 350 Ditching										
Road District -2										
5/18/2016	72082	2121	HILL AMOS	3	20.05	3.00	\$60.15			
5/18/2016	72082	1053	EXCAVATOR--WHEELED	1	142.50	3.00		\$427.50		
5/18/2016	72082	2105	GIPSON ADAM	3	19.37	3.00	\$58.11			
5/18/2016	72082	1064	TRUCK-PICK UP FLAT CREW	1	36.64	3.00		\$79.92		
5/18/2016	72082	1468	DUTTON CLAUDE C	3	18.16	3.00	\$54.48			
5/18/2016	72082	1008	DUMP TRUCK	1	88.96	3.00		\$266.88		
5/18/2016	72082	2128	CATLING LEVAR	3	18.54	3.00	\$55.63			
Road Id - 002375- ROBERTS DRIVE										
Activity Id 350 Ditching										
Road District -2										
4/12/2016	72052	2121	HILL AMOS	3	20.05	4.00	\$80.20			
4/12/2016	72052	1053	EXCAVATOR--WHEELED	1	142.50	4.00		\$570.00		
4/12/2016	72052	1468	DUTTON CLAUDE C	3	18.16	4.00	\$72.64			
4/12/2016	72052	1029	DUMP TRUCK	1	52.74	4.00		\$210.96		
4/12/2016	72052	1130	GUTHRY THOMAS	3	20.68	4.00	\$82.72			
4/12/2016	72052	1011	TRUCK--FLATBED CREW	1	29.71	4.00		\$118.84		
4/12/2016	72052	1110	MCGATHA CHARLES K	3	23.65	4.00	\$94.60			
4/12/2016	72052	0981	PICKUP	1	19.44	2.00		\$38.88		
Road Id - 002386- ROCKY FORD ROAD										
Activity Id 350 Ditching										
Road District -2										
9/15/2016	72183	0017	BRYANT JERRY A	3	29.55	3.00	\$88.65			
9/15/2016	72183	0997	DUMP TRUCK--FLATBED	1	47.19	3.00		\$141.57		
9/15/2016	72183	1468	DUTTON CLAUDE C	3	18.16	3.00	\$54.48			

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Project Id - 28-002-180W MAINTENANCE--DRAINAGE-DITCH/SHOULDER										
Road Id - 002386- ROCKY FORD ROAD										
Activity Id - 350 Ditching										
Road District - 2										
9/15/2016	72183	3029	DUMP TRUCK	1	46.35	3.00		\$139.05		
9/15/2016	72183	2528	CATTLING LEVAR	3	18.54	3.00	\$55.62			
9/15/2016	72183	0817	PICKUP	1	13.88	3.00				\$41.64
9/15/2016	72183	1042	BACKHOE	1	61.73	3.00		\$185.19		
Road Id - 002390- RODGERS ROAD										
Activity Id - 350 Ditching										
Road District - 3										
4/20/2016	72059	2517	MESSER NICHOLAS A	3	18.00	3.00	\$54.00			
4/20/2016	72059	0940	BACKHOE	1	67.34	3.00		\$202.02		
4/20/2016	72059	1000	TRAILER-UTILITY	1	11.58	3.00				\$34.74
4/20/2016	72059	1001	DUMP TRUCK--FLATBED	1	54.34	3.00		\$163.02		
4/20/2016	72059	2512	SHEELER DAVID	3	16.56	3.00	\$49.68			
4/20/2016	72059	1011	DUMP TRUCK	1	88.96	3.00		\$266.88		
4/20/2016	72059	0679	KELLEY DONALD R	3	29.80	3.00	\$89.40			
4/20/2016	72059	0903	PICKUP	1	15.75	3.00				\$47.25
Road Id - 002394- ROLLING HILLS ROAD										
Activity Id - 350 Ditching										
Road District - 2										
4/14/2016	72054	1517	WASHINGTON ROBERT E	3	27.41	5.00	\$137.05			
4/14/2016	72054	1005	PICKUP-2007 FORD	1	19.44	5.00				\$97.20
4/14/2016	72054	2521	HILL AMOS	3	20.05	5.00	\$100.25			
4/14/2016	72054	1053	EXCAVATOR--WHEELED	1	142.50	5.00		\$712.50		
4/14/2016	72054	1468	DUTTON CLAUDE C	3	18.16	5.00	\$90.80			
4/14/2016	72054	1029	DUMP TRUCK	1	52.74	5.00		\$263.70		
4/14/2016	72054	1530	GUTHRY THOMAS	3	20.68	5.00	\$103.40			
4/14/2016	72054	1031	TRUCK--FLATBED CREW	1	29.71	5.00				\$148.55
4/18/2016	72057	2521	HILL AMOS	3	20.05	8.00	\$160.40			
4/18/2016	72057	1053	EXCAVATOR--WHEELED	1	142.50	8.00		\$1,140.00		
4/18/2016	72057	1468	DUTTON CLAUDE C	3	18.16	6.00	\$108.96			
4/18/2016	72057	1029	DUMP TRUCK	1	52.74	6.00		\$316.44		
4/18/2016	72057	2507	GRANGER BRUCE	3	20.87	6.00	\$125.22			
4/18/2016	72057	1031	TRUCK--FLATBED CREW	1	29.71	6.00				\$178.26
4/19/2016	72058	2521	HILL AMOS	3	20.05	10.00	\$200.50			
4/19/2016	72058	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
4/19/2016	72058	1468	DUTTON CLAUDE C	3	18.16	10.00	\$181.60			
4/19/2016	72058	1029	DUMP TRUCK	1	52.74	10.00		\$527.40		
4/19/2016	72058	1809	PERKINS ROGER L	3	21.24	10.00	\$212.40			
4/19/2016	72058	1031	TRUCK--FLATBED CREW	1	29.71	10.00				\$297.10
Road Id - 002424- RUNYAN ROAD										
Activity Id - 350 Ditching										
Road District - 2										
4/14/2016	72054	1517	WASHINGTON ROBERT E	3	27.41	5.00	\$137.05			
4/14/2016	72054	1005	PICKUP-2007 FORD	1	19.44	5.00				\$97.20
4/14/2016	72054	2521	HILL AMOS	3	20.05	5.00	\$100.25			
4/14/2016	72054	1053	EXCAVATOR--WHEELED	1	142.50	5.00		\$712.50		
4/14/2016	72054	1468	DUTTON CLAUDE C	3	18.16	5.00	\$90.80			
4/14/2016	72054	1029	DUMP TRUCK	1	52.74	5.00		\$263.70		
4/14/2016	72054	1530	GUTHRY THOMAS	3	20.68	5.00	\$103.40			
4/14/2016	72054	1031	TRUCK--FLATBED CREW	1	29.71	5.00				\$148.55
Road Id - 002437- SAND VALLEY ROAD										
Activity Id - 350 Ditching										
Road District - 3										
8/9/2016	72150	1468	DUTTON CLAUDE C	3	18.16	2.50	\$45.40			
8/9/2016	72150	1008	DUMP TRUCK	1	77.28	2.50		\$193.20		
8/9/2016	72150	2521	HILL AMOS	3	20.05	2.50	\$50.13			

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Project Id - 28-092-180W MAINTENANCE--DRAINAGE,DITCH,SHOULDER										
Road Id - 002437- SAND VALLEY ROAD										
Activity Id 350 Ditching										
Road District -3										
8/9/2016	72150	1653	EXCAVATOR--WHEELED	1	148.69	2.50		\$371.73		
8/11/2016	72152	2521	HILL AMOS	3	20.05	3.00	\$100.25			
8/11/2016	72152	1653	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
8/11/2016	72152	1468	DUTTON CLAUDE C	3	18.16	5.00	\$90.80			
8/11/2016	72152	1008	DUMP TRUCK	1	77.28	3.00		\$386.40		
8/11/2016	72152	1530	GUTHRY THOMAS	3	20.68	5.00	\$103.40			
8/11/2016	72152	0901	PICKUP	1	18.31	5.00		\$91.55		
8/11/2016	72152	2523	SEARS MARQUETTE	1	12.10	5.00	\$60.50			
Road Id - 002446- SATTERFIELD LANE										
Activity Id 350 Ditching										
Road District -2										
5/17/2016	72081	2521	HILL AMOS	3	20.05	3.00	\$60.15			
5/17/2016	72081	1653	EXCAVATOR--WHEELED	1	142.50	3.00		\$427.50		
5/17/2016	72081	1468	DUTTON CLAUDE C	3	18.16	3.00	\$54.48			
5/17/2016	72081	1008	DUMP TRUCK	1	88.96	3.00		\$266.88		
5/17/2016	72081	2505	GIBSON ADAM	1	12.45	1.00	\$12.45			
5/17/2016	72081	1838	TRUCK--FLATBED CREW	1	29.71	1.00		\$29.71		
5/17/2016	72081	2523	SEARS MARQUETTE	3	16.19	1.00	\$16.19			
Road Id - 002451- SCENIC HIGHWAY										
Activity Id 350 Ditching										
Road District -2										
4/14/2016	72054	1219	FROST RANDALL C	3	29.89	4.00	\$119.56			
4/14/2016	72054	1854	PICKUP--2012 FORD F150	1	19.74	4.00		\$78.96		
4/14/2016	72054	0827	BRYANT JERRY A	3	29.55	4.00	\$118.20			
4/14/2016	72054	0990	DUMP TRUCK--FLATBED	1	51.58	4.00		\$214.32		
4/14/2016	72054	2507	GRANGER BRUCE	3	20.87	4.00	\$83.48			
4/14/2016	72054	0817	PICKUP	1	14.69	4.00		\$58.76		
4/14/2016	72054	1042	BACKHOE	1	67.34	4.00		\$269.36		
Road Id - 002454- SCHOOL ROAD										
Activity Id 350 Ditching										
Road District -4										
6/21/2016	72109	1581	SALERS WILLIAM R	3	21.37	10.00	\$213.70			
6/21/2016	72109	1851	MOTOR GRADER--2015 CAT	1	131.67	10.00		\$1,316.70		
6/21/2016	72109	1217	NORTON STEVE A	3	23.64	10.00	\$236.40			
6/21/2016	72109	1850	INTEGRATED TOOL	1	90.96	10.00		\$909.60		
6/21/2016	72109	1491	NAIL JAMES	3	22.16	10.00	\$221.60			
6/21/2016	72109	1818	DUMP TRUCK--2013 MACK	1	117.09	10.00		\$1,170.90		
6/21/2016	72109	1144	HEARD ERIC W	3	24.12	10.00	\$241.20			
6/21/2016	72109	1819	DUMP TRUCK	1	88.96	10.00		\$889.60		
6/21/2016	72109	1524	KLOEN RICHARD A	3	27.38	10.00	\$273.80			
6/21/2016	72109	1855	PICKUP--2012 FORD F150	1	19.74	10.00		\$197.40		
Road Id - 002465- SHADY GROVE ROAD										
Activity Id 350 Ditching										
Road District -3										
3/28/2016	72140	1225	POSEY JAMES D	3	21.22	3.00	\$63.66			
3/28/2016	72140	1000	TRAILER--UTILITY	1	12.47	3.00		\$37.41		
3/28/2016	72140	1000	DUMP TRUCK--FLATBED	1	47.90	3.00		\$143.79		
3/28/2016	72140	2527	ALLEN JORDAN	3	16.19	3.00	\$48.57			
3/28/2016	72140	1042	BACKHOE	1	61.73	3.00		\$185.19		
3/28/2016	72140	2512	SHEELER DAVID	3	16.56	3.00	\$49.68			
3/28/2016	72140	1811	DUMP TRUCK	1	77.28	3.00		\$231.84		
3/28/2016	72140	2525	ARMSTRONG GREG	3	17.62	3.00	\$52.86			
3/28/2016	72140	0815	PICKUP	1	18.07	3.00		\$54.21		
3/28/2016	72140	0679	KELLEY DONALD R	3	29.80	3.00	\$89.40			
3/28/2016	72140	0903	PICKUP	1	14.93	3.00		\$44.79		

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Project Id - 28-002-180W MAINTENANCE--DRAINAGE,DITCH,SHOULDER										
Road Id - 002481- SHELLEY LANE										
Activity Id -J50 Ditching										
Road District -4										
9/6/2016	72175	1217	NORTON STEVE A	3	23.64	5.00	\$118.20			
9/6/2016	72175	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
9/6/2016	72175	1144	BEARD ERIC W	3	24.12	5.00	\$120.60			
9/6/2016	72175	1010	DUMP TRUCK	1	77.28	5.00		\$386.40		
9/6/2016	72175	1264	LUMPKIN MARK S	3	20.74	5.00	\$103.70			
9/6/2016	72175	1018	DUMP TRUCK--2013 MACK	1	103.66	5.00		\$518.30		
9/6/2016	72175	1324	KUHN RICHARD A	3	27.38	5.00	\$136.90			
9/6/2016	72175	1055	PICKUP--2012 FORD F150	1	18.59	5.00		\$92.95		
Road Id - 002503- SIMMONS LANE										
Activity Id -J50 Ditching										
Road District -3										
8/15/2016	72155	2521	HILL AMOS	3	20.05	2.50	\$50.13			
8/15/2016	72155	1053	EXCAVATOR--WHEELED	1	148.69	2.50		\$371.73		
8/15/2016	72155	1468	DUTTON CLAUDE C	3	18.16	2.50	\$45.40			
8/15/2016	72155	1008	DUMP TRUCK	1	77.28	2.50		\$193.20		
8/15/2016	72155	2523	SEARS MARQUETTE	3	16.19	2.50	\$40.48			
8/15/2016	72155	1031	TRUCK--FLATBED CREW	1	27.92	2.50		\$69.80		
8/15/2016	72155	2528	CATTLING LEVAR	3	18.54	2.50	\$46.35			
Road Id - 002571- STATION ROAD										
Activity Id -J50 Ditching										
Road District -3										
4/18/2016	72057	2517	MESSER NICHOLAS A	3	18.00	3.00	\$54.00			
4/18/2016	72057	1040	BACKHOE	1	67.34	3.00		\$202.02		
4/18/2016	72057	1000	TRAILER--UTILITY	1	11.58	3.00		\$34.74		
4/18/2016	72057	1001	DUMP TRUCK--FLATBED	1	54.34	3.00		\$163.02		
4/18/2016	72057	2512	SHEELER DAVID	3	16.56	3.00	\$49.68			
4/18/2016	72057	1020	DUMP TRUCK--2003	1	51.54	3.00		\$154.62		
4/18/2016	72057	0679	KILLEY DONALD R	3	29.80	3.00	\$89.40			
4/18/2016	72057	0983	PICKUP	1	15.75	3.00		\$47.25		
Road Id - 002572- STEEL PLANT LAKE ROAD										
Activity Id -J50 Ditching										
Road District -3										
5/12/2016	72077	2517	MESSER NICHOLAS A	3	18.00	5.00	\$90.00			
5/12/2016	72077	1040	BACKHOE	1	67.34	5.00		\$336.70		
5/12/2016	72077	1000	TRAILER--UTILITY	1	11.58	5.00		\$57.90		
5/12/2016	72077	1001	DUMP TRUCK--FLATBED	1	54.34	5.00		\$271.70		
5/12/2016	72077	1225	POSEY JAMES D	3	21.22	5.00	\$106.10			
5/12/2016	72077	1020	DUMP TRUCK--2003	1	51.54	5.00		\$257.70		
Road Id - 002573- STEELE STATION ROAD										
Activity Id -J50 Ditching										
Road District -4										
8/23/2016	72162	2521	HILL AMOS	3	20.05	5.00	\$100.25			
8/23/2016	72162	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
8/23/2016	72162	1468	DUTTON CLAUDE C	3	18.16	5.00	\$90.80			
8/23/2016	72162	1029	DUMP TRUCK	1	66.35	5.00		\$331.75		
8/23/2016	72162	2528	CATTLINO LEVAR	3	18.54	5.00	\$92.70			
8/23/2016	72162	1031	TRUCK--FLATBED CREW	1	27.92	5.00		\$139.60		
8/23/2016	72162	2523	SEARS MARQUETTE	3	16.19	5.00	\$80.95			
Road Id - 002578- STONE DRIVE										
Activity Id -J50 Ditching										
Road District -2										
5/16/2016	72080	2521	HILL AMOS	3	20.05	4.00	\$80.20			
5/16/2016	72080	1053	EXCAVATOR--WHEELED	1	142.50	4.00		\$570.00		
5/16/2016	72080	1468	DUTTON CLAUDE C	3	18.16	4.00	\$72.64			
5/16/2016	72080	1008	DUMP TRUCK	1	88.96	4.00		\$355.84		

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Project Id - 28-002-180W MAINTENANCE--DRAINAGE/DITCH/SHOULDER										
Road Id - 002578- STONE DRIVE										
Activity Id -J58 Ditching										
Road District -2										
5/16/2016	72080	2307	GRANGER BRUCE	3	20.87	4.00	\$83.48			
5/16/2016	72080	1001	TRUCK--FLATBED CREW	1	29.71	4.00		\$118.84		
5/16/2016	72080	2123	SEARS MARQUETTE	3	16.19	4.00	\$64.76			
8/17/2016	72157	0027	BRYANT JERRY A	3	29.55	3.00	\$147.75			
8/17/2016	72157	0997	DUMP TRUCK--FLATBED	1	47.19	3.00		\$215.95		
8/17/2016	72157	1001	BACKHOE	1	61.73	3.00		\$308.65		
8/17/2016	72157	1468	DUTTON CLAUDE C	3	18.16	3.00	\$90.80			
8/17/2016	72157	1029	DUMP TRUCK	1	46.35	3.00		\$211.75		
8/22/2016	72161	0027	BRYANT JERRY A	3	29.55	3.00	\$88.65			
8/22/2016	72161	0997	DUMP TRUCK--FLATBED	1	47.19	3.00		\$141.57		
8/22/2016	72161	1002	BACKHOE	1	61.73	3.00		\$185.19		
8/22/2016	72161	1496	PATTERSON WILLIAM J	3	20.77	3.00	\$62.31			
8/22/2016	72161	0998	DUMP TRUCK--FLATBED	1	47.19	3.00		\$141.57		
8/22/2016	72161	2307	GRANGER BRUCE	3	20.87	3.00	\$62.61			
8/22/2016	72161	1009	DUMP TRUCK	1	77.28	3.00		\$231.84		
Road Id - 002589- SUMNERSET LANE										
Activity Id -J58 Ditching										
Road District -2										
4/14/2016	72054	1259	FROST RANDALL C	3	29.89	3.00	\$89.67			
4/14/2016	72054	1054	PICKUP--2012 FORD F150	1	29.74	3.00		\$89.22		
4/14/2016	72054	0027	BRYANT JERRY A	3	29.55	3.00	\$88.65			
4/14/2016	72054	0997	DUMP TRUCK--FLATBED	1	53.58	3.00		\$160.74		
4/14/2016	72054	1809	PERKINS ROGER L	3	21.24	3.00	\$63.72			
4/14/2016	72054	1036	DUMP TRUCK--2015 MACK	1	90.61	3.00		\$271.83		
4/14/2016	72054	2307	GRANGER BRUCE	3	20.87	3.00	\$62.61			
4/14/2016	72054	0817	PICKUP	1	14.69	3.00		\$44.07		
4/14/2016	72054	1002	BACKHOE	1	67.34	3.00		\$202.02		
Road Id - 002606- TABOR ROAD										
Activity Id -J58 Ditching										
Road District -2										
6/16/2016	72105	2321	HILL AMOS	3	20.05	10.00	\$200.50			
6/16/2016	72105	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
6/16/2016	72105	1110	MCGATHA CHARLES E	3	23.65	10.00	\$236.50			
6/16/2016	72105	1031	TRUCK--FLATBED CREW	1	29.71	10.00		\$297.10		
6/20/2016	72108	2321	HILL AMOS	3	20.05	10.00	\$200.50			
6/20/2016	72108	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
Road Id - 002612- TARPLEY DR. E										
Activity Id -J58 Ditching										
Road District -2										
4/20/2016	72059	2321	HILL AMOS	3	20.05	5.00	\$100.25			
4/20/2016	72059	1053	EXCAVATOR--WHEELED	1	142.50	5.00		\$712.50		
4/20/2016	72059	1468	DUTTON CLAUDE C	3	18.16	5.00	\$90.80			
4/20/2016	72059	1029	DUMP TRUCK	1	52.74	5.00		\$263.70		
4/20/2016	72059	1809	PERKINS ROGER L	3	21.24	5.00	\$106.20			
4/20/2016	72059	1031	TRUCK--FLATBED CREW	1	29.71	5.00		\$148.55		
4/21/2016	72060	2321	HILL AMOS	3	20.05	4.00	\$80.20			
4/21/2016	72060	1053	EXCAVATOR--WHEELED	1	142.50	4.00		\$570.00		
4/21/2016	72060	1468	DUTTON CLAUDE C	3	18.16	4.00	\$72.64			
4/21/2016	72060	1029	DUMP TRUCK	1	52.74	4.00		\$210.96		
4/21/2016	72060	1809	PERKINS ROGER L	3	21.24	4.00	\$84.96			
4/21/2016	72060	1031	TRUCK--FLATBED CREW	1	29.71	4.00		\$118.84		
Road Id - 002631- THEODORE BEND ROAD										
Activity Id -J58 Ditching										
Road District -2										
4/12/2016	72052	2321	HILL AMOS	3	20.05	3.00	\$60.15			

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Project Id - 28-002-180W MAINTENANCE--DRAINAGE,DITCH,SHOULDER										
Road Id - 002631 - TIDMORE BEND ROAD										
Activity Id 350 Ditching										
Road District -2										
4/12/2016	72052	1053	EXCAVATOR--WHEELED	1	142.50	3.00		\$427.50		
4/12/2016	72052	1468	DUTTON CLAUDE C	3	18.16	3.00	\$54.48			
4/12/2016	72052	1029	DUMP TRUCK	1	52.74	3.00		\$158.22		
4/12/2016	72052	1530	GUTHERY THOMAS	3	20.68	3.00	\$62.04			
4/12/2016	72052	1031	TRUCK--FLATBED CREW	1	29.71	3.00		\$89.13		
4/12/2016	72052	1110	MCGATHA CHARLES K	3	23.65	1.00	\$23.65			
4/12/2016	72052	0981	PICKUP	1	19.44	1.00		\$19.44		
4/13/2016	72053	1259	FROST RANDALL C	3	29.89	10.00	\$298.90			
4/13/2016	72053	1054	PICKUP--2012 FORD F150	1	19.74	10.00		\$197.40		
4/13/2016	72053	2521	HILL AMOS	3	20.05	10.00	\$200.50			
4/13/2016	72053	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
4/13/2016	72053	1468	DUTTON CLAUDE C	3	18.16	10.00	\$181.60			
4/13/2016	72053	1029	DUMP TRUCK	1	52.74	10.00		\$527.40		
4/13/2016	72053	1530	GUTHERY THOMAS	3	20.68	10.00	\$206.80			
4/13/2016	72053	1031	TRUCK--FLATBED CREW	1	29.71	10.00		\$297.10		
Road Id - 002638 - TOM CAT ROAD										
Activity Id 350 Ditching										
Road District -2										
5/1/2016	72091	2521	HILL AMOS	3	20.05	10.00	\$200.50			
5/1/2016	72091	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
5/1/2016	72091	2505	GIPSON ADAM	3	19.37	10.00	\$193.70			
5/1/2016	72091	1029	DUMP TRUCK	1	52.74	10.00		\$527.40		
5/1/2016	72091	2507	GRANGER BRUCE	3	20.87	10.00	\$208.70			
5/1/2016	72091	1031	TRUCK--FLATBED CREW	1	29.71	10.00		\$297.10		
5/1/2016	72091	0027	BRYANT JERRY A	3	29.55	10.00	\$295.50			
6/1/2016	72092	2521	HILL AMOS	3	20.05	4.00	\$80.20			
6/1/2016	72092	1053	EXCAVATOR--WHEELED	1	142.50	4.00		\$570.00		
6/1/2016	72092	2507	GRANGER BRUCE	3	20.87	4.00	\$83.48			
6/1/2016	72092	1029	DUMP TRUCK	1	52.74	4.00		\$210.96		
Road Id - 002650 - TURKEY TOWN ROAD										
Activity Id 350 Ditching										
Road District -2										
5/17/2016	72081	2521	HILL AMOS	3	20.05	1.00	\$60.15			
5/17/2016	72081	1053	EXCAVATOR--WHEELED	1	142.50	3.00		\$427.50		
5/17/2016	72081	1468	DUTTON CLAUDE C	3	18.16	3.00	\$54.48			
5/17/2016	72081	1008	DUMP TRUCK	1	88.96	3.00		\$266.88		
5/17/2016	72081	2505	GIPSON ADAM	3	19.37	2.00	\$38.74			
5/17/2016	72081	1031	TRUCK--FLATBED CREW	1	29.71	2.00		\$59.42		
5/17/2016	72081	2523	SEARS MARQUETTE	3	16.19	2.00	\$32.38			
Road Id - 002651 - TURKEY TOWN GAP ROAD										
Activity Id 350 Ditching										
Road District -2										
4/28/2016	72065	1517	WASHINGTON ROBERT E	3	27.41	10.00	\$274.10			
4/28/2016	72065	1005	PICKUP--2007 FORD	1	19.44	10.00		\$194.40		
4/28/2016	72065	2521	HILL AMOS	3	20.05	10.00	\$200.50			
4/28/2016	72065	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
4/28/2016	72065	1468	DUTTON CLAUDE C	3	18.16	10.00	\$181.60			
4/28/2016	72065	1029	DUMP TRUCK	1	52.74	10.00		\$527.40		
4/28/2016	72065	0405-V	STONE--RIP RAP (6-10")	TON	15.00	30.00			\$390.00	
4/28/2016	72065	2515	STOWERS SHEA	3	20.22	10.00	\$202.20			
4/28/2016	72065	1031	TRUCK--FLATBED CREW	1	29.71	10.00		\$297.10		
5/3/2016	72069	1517	WASHINGTON ROBERT E	3	27.41	6.00	\$164.46			
5/3/2016	72069	1005	PICKUP--2007 FORD	1	19.44	6.00		\$116.64		
5/3/2016	72069	2521	HILL AMOS	3	20.05	6.00	\$120.30			
5/3/2016	72069	1053	EXCAVATOR--WHEELED	1	142.50	6.00		\$855.00		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002-180W MAINTENANCE--DRAINAGE,DITCH,SHOULDER										
Road Id - 002651- TURKEY TOWN GAP ROAD										
Activity Id 350 Ditching										
Road District -2										
5/3/2016	72069	1468	DUTTON CLAUDE C	3	18.16	6.00	\$108.96			
5/3/2016	72069	1029	DUMP TRUCK	1	52.74	6.00		\$316.44		
5/3/2016	72069	1110	MCGATHA CHARLES K	3	23.65	6.00	\$141.90			
5/3/2016	72069	1031	TRUCK-FLATBED CREW	1	29.71	6.00		\$178.26		
5/3/2016	72069	2507	GRANGER BRUCE	3	20.87	6.00	\$125.22			
Road Id - 002676- VALLEY STREET										
Activity Id 350 Ditching										
Road District -5										
6/28/2016	72115	1517	WASHINGTON ROBERT E	3	27.41	10.00	\$274.10			
6/28/2016	72115	1043	BACKHOE	1	67.34	10.00		\$673.40		
6/28/2016	72115	1110	MCGATHA CHARLES K	3	23.65	10.00	\$236.50			
6/28/2016	72116	1517	WASHINGTON ROBERT E	3	27.41	10.00	\$274.10			
6/28/2016	72116	1005	PICKUP-2007 FORD	1	19.44	10.00		\$194.40		
6/28/2016	72116	1110	MCGATHA CHARLES K	3	23.65	10.00	\$236.50			
6/28/2016	72116	1043	BACKHOE	1	67.34	10.00		\$673.40		
6/30/2016	72117	1517	WASHINGTON ROBERT E	3	27.41	10.00	\$274.10			
6/30/2016	72117	1005	PICKUP-2007 FORD	1	19.44	10.00		\$194.40		
6/30/2016	72117	1110	MCGATHA CHARLES K	3	23.65	10.00	\$236.50			
6/30/2016	72117	1043	BACKHOE	1	67.34	10.00		\$673.40		
6/30/2016	72117	2507	GRANGER BRUCE	3	20.87	10.00	\$208.70			
6/30/2016	72117	1036	DUMP TRUCK-2015 MACK	1	90.61	10.00		\$906.10		
Road Id - 002685- VAUGHN ROAD										
Activity Id 350 Ditching										
Road District -4										
4/5/2016	72047	2517	MESSER NICHOLAS A	3	18.00	4.00	\$72.00			
4/5/2016	72047	1043	BACKHOE	1	67.34	4.00		\$269.36		
4/5/2016	72047	1000	TRAILER-UTILITY	1	11.58	4.00		\$46.32		
4/5/2016	72047	1001	DUMP TRUCK-FLATBED	1	54.34	4.00		\$217.36		
4/5/2016	72047	2520	BOBO BRIAN	3	17.60	4.00	\$70.40			
4/5/2016	72047	1020	DUMP TRUCK-2003	1	51.54	4.00		\$206.16		
4/5/2016	72047	0679	KELLEY DONALD R	3	29.80	4.00	\$119.20			
4/5/2016	72047	0983	PICKUP	1	15.75	4.00		\$63.00		
9/22/2016	72190	1217	NORTON STEVE A	3	23.64	10.00	\$236.40			
9/22/2016	72190	1052	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
9/22/2016	72190	1144	HEARD ERIC W	3	24.12	10.00	\$241.20			
9/22/2016	72190	1067	2016 MACK DUMP TRUCK	1	104.81	10.00		\$1,048.10		
9/22/2016	72190	1524	KUBEN RICHARD A	3	27.38	10.00	\$273.80			
9/22/2016	72190	1035	PICKUP-2012 FORD F150	1	18.99	10.00		\$189.90		
Road Id - 002692- VINYARD ROAD										
Activity Id 350 Ditching										
Road District -2										
4/13/2016	72053	0027	BRYANT JERRY A	3	29.55	3.00	\$88.65			
4/13/2016	72053	0997	DUMP TRUCK-FLATBED	1	53.58	3.00		\$160.74		
4/13/2016	72053	1042	BACKHOE	1	67.34	3.00		\$202.02		
4/13/2016	72053	1809	PERKINS ROGER L	3	21.24	3.00	\$63.72			
4/13/2016	72053	1036	DUMP TRUCK-2015 MACK	1	90.61	3.00		\$271.83		
4/13/2016	72053	2507	GRANGER BRUCE	3	20.87	3.00	\$62.61			
4/13/2016	72053	1009	DUMP TRUCK	1	88.96	3.00		\$266.88		
Road Id - 002725- WARRIOR VALLEY ROAD										
Activity Id 350 Ditching										
Road District -4										
5/16/2016	72080	2517	MESSER NICHOLAS A	3	18.00	3.00	\$54.00			
5/16/2016	72080	1043	BACKHOE	1	67.34	3.00		\$202.02		
5/16/2016	72080	1000	TRAILER-UTILITY	1	11.58	3.00		\$34.74		
5/16/2016	72080	1001	DUMP TRUCK-FLATBED	1	54.34	3.00		\$163.02		

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Project Id - 28-002-BROW MAINTENANCE--DRAINAGE,DITCH,SHOULDER										
Road Id - 002725- WARRIOR VALLEY ROAD										
Activity Id -350 Ditching										
Road District -4										
5/06/2016	72080	2512	SHEELER DAVID	3	16.56	3.00	\$49.68			
5/06/2016	72080	1820	DUMP TRUCK--2003	1	51.54	3.00		\$154.62		
5/06/2016	72080	0679	KELLEY DONALD R	3	29.80	3.00	\$89.40			
5/06/2016	72080	0983	PICKUP	1	15.75	3.00		\$47.25		
5/17/2016	72081	2517	MESSER NICHOLAS A	3	18.00	10.00	\$180.00			
5/17/2016	72081	1843	BACKHOE	1	67.34	10.00		\$673.40		
5/17/2016	72081	1000	TRAILER--UTILITY	1	11.58	10.00		\$115.80		
5/17/2016	72081	1004	DUMP TRUCK--FLATBED	1	54.34	10.00		\$543.40		
5/17/2016	72081	2512	SHEELER DAVID	3	16.56	10.00	\$165.60			
5/17/2016	72081	1820	DUMP TRUCK--2003	1	51.54	10.00		\$515.40		
5/17/2016	72081	1198	FALTON STEVEN W	3	23.76	10.00	\$237.60			
5/17/2016	72081	1003	TRUCK--PICK UP FLAT	1	26.64	10.00		\$266.40		
5/17/2016	72081	0679	KELLEY DONALD R	3	29.80	10.00	\$298.00			
5/17/2016	72081	0983	PICKUP	1	15.75	10.00		\$157.50		
Road Id - 002742- WESSON GAP ROAD										
Activity Id -350 Ditching										
Road District -3										
8/15/2016	72155	2521	HILL AMOS	3	20.05	2.50	\$50.13			
8/15/2016	72155	1053	EXCAVATOR--WHEELED	1	148.69	2.50		\$371.73		
8/15/2016	72155	1468	DUTTON CLAUDE C	3	18.16	2.50	\$45.40			
8/15/2016	72155	1029	DUMP TRUCK	1	77.28	2.50		\$193.20		
8/15/2016	72155	2523	SEARS MARQUETTE	3	16.79	2.50	\$40.48			
8/15/2016	72155	1031	TRUCK--FLATBED CREW	1	27.92	2.50		\$69.80		
8/15/2016	72155	2528	CATTLING LEVAR	3	18.54	2.50	\$46.35			
Road Id - 002743- WESSON LAKE ROAD										
Activity Id -350 Ditching										
Road District -4										
8/22/2016	72161	2521	HILL AMOS	3	20.05	5.00	\$100.25			
8/22/2016	72161	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
8/22/2016	72161	1809	PERKINS ROGER L	3	21.24	5.00	\$106.20			
8/22/2016	72161	1029	DUMP TRUCK	1	46.35	5.00		\$231.75		
8/22/2016	72161	2523	SEARS MARQUETTE	3	16.79	5.00	\$80.95			
8/22/2016	72161	1031	TRUCK--FLATBED CREW	1	27.92	5.00		\$139.60		
8/22/2016	72161	2528	CATTLING LEVAR	3	18.54	5.00	\$92.70			
Road Id - 002762- WHITES CHAPEL ROAD										
Activity Id -350 Ditching										
Road District -2										
4/20/2016	72059	2521	HILL AMOS	3	20.05	5.00	\$100.25			
4/20/2016	72059	1053	EXCAVATOR--WHEELED	1	142.50	5.00		\$712.50		
4/20/2016	72059	1468	DUTTON CLAUDE C	3	18.16	5.00	\$90.80			
4/20/2016	72059	1029	DUMP TRUCK	1	52.74	5.00		\$263.70		
4/20/2016	72059	1809	PERKINS ROGER L	3	21.24	5.00	\$106.20			
4/20/2016	72059	1031	TRUCK--FLATBED CREW	1	29.71	5.00		\$148.55		
Road Id - 002768- WHORTON BEND ROAD										
Activity Id -350 Ditching										
Road District -4										
4/5/2016	72047	2521	HILL AMOS	3	20.05	5.00	\$100.25			
4/5/2016	72047	1053	EXCAVATOR--WHEELED	1	142.50	5.00		\$712.50		
4/5/2016	72047	2515	STOWERS SHEA	3	20.22	5.00	\$101.10			
4/5/2016	72047	1029	DUMP TRUCK	1	52.74	5.00		\$263.70		
4/5/2016	72092	0027	BRYANT JERRY A	3	29.55	6.00	\$177.30			
4/5/2016	72092	1042	BACKHOE	1	67.34	6.00		\$404.04		
4/5/2016	72092	2507	GRANGER BRUCE	3	20.87	6.00	\$125.22			
4/5/2016	72092	1029	DUMP TRUCK	1	52.74	6.00		\$316.44		
4/5/2016	72092	2521	HILL AMOS	3	20.05	6.00	\$120.30			

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Project Id - 28-002-180W MAINTENANCE--DRAINAGE/DITCH/UNDERSIDE										
Road Id - 002768- WHORTON BEND ROAD										
Activity Id 250 Ditching										
Road District -4										
6/14/2016	72103	1299	FROST RANDALL C	3	29.89	10.00	\$298.90			
6/14/2016	72103	1054	PICKUP--2012 FORD F150	1	19.74	10.00		\$197.40		
6/14/2016	72103	1117	WASHINGTON ROBERT E	3	27.41	10.00	\$274.10			
6/14/2016	72103	1005	PICKUP--2007 FORD	1	19.44	10.00		\$194.40		
6/14/2016	72103	2526	CARROLL MARCUS	3	17.62	10.00	\$176.20			
6/14/2016	72103	0997	DUMP TRUCK--FLATBED	1	53.58	10.00		\$535.80		
6/14/2016	72103	1041	BACKHOE	1	67.34	10.00		\$673.40		
6/14/2016	72103	2521	HILL AMOS	3	20.05	10.00	\$200.50			
6/14/2016	72103	1031	TRUCK--FLATBED CREW	1	29.71	10.00		\$297.10		
6/14/2016	72103		Remove Rocks from Farmstone		112.33	1.00			\$112.33	
6/14/2016	72103	2115	STOWERS SHEA	3	20.22	10.00	\$202.20			
6/14/2016	72103	1029	DUMP TRUCK	1	52.74	10.00		\$527.40		
6/14/2016	72103	1110	MCGATHA CHARLES E	3	23.65	10.00	\$236.50			
6/14/2016	72103	0882	DUMP TRUCK--FLAT BED	1	49.75	10.00		\$497.50		
6/14/2016	72103		Soil from Coosa Turf		99.75	1.00			\$99.75	
6/21/2016	72109	2521	HILL AMOS	3	20.05	10.00	\$200.50			
6/21/2016	72109	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
6/21/2016	72109	2507	GRANGER BRUCE	3	20.87	10.00	\$208.70			
6/21/2016	72109	1036	DUMP TRUCK--2015 MACK	1	90.61	10.00		\$906.10		
6/21/2016	72109	1448	DUTTON CLAUDE C	3	18.16	8.00	\$145.28			
6/21/2016	72109	1008	DUMP TRUCK	1	88.96	8.00		\$711.68		
6/22/2016	72110	2521	HILL AMOS	3	20.05	10.00	\$200.50			
6/22/2016	72110	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
6/22/2016	72110	2507	GRANGER BRUCE	3	20.87	10.00	\$208.70			
6/22/2016	72110	1036	DUMP TRUCK--2015 MACK	1	90.61	10.00		\$906.10		
6/22/2016	72110	1448	DUTTON CLAUDE C	3	18.16	10.00	\$181.60			
6/22/2016	72110	1008	DUMP TRUCK	1	88.96	10.00		\$889.60		
6/23/2016	72111	2521	HILL AMOS	3	20.05	10.00	\$200.50			
6/23/2016	72111	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
6/23/2016	72111	2507	GRANGER BRUCE	3	20.87	10.00	\$208.70			
6/23/2016	72111	1036	DUMP TRUCK--2015 MACK	1	90.61	10.00		\$906.10		
6/23/2016	72111	1448	DUTTON CLAUDE C	3	18.16	10.00	\$181.60			
6/23/2016	72111	1008	DUMP TRUCK	1	88.96	10.00		\$889.60		
6/23/2016	72114	1117	WASHINGTON ROBERT E	3	27.41	10.00	\$274.10			
6/23/2016	72114	1005	PICKUP--2007 FORD	1	19.44	10.00		\$194.40		
6/23/2016	72114	2526	CARROLL MARCUS	3	17.62	10.00	\$176.20			
6/23/2016	72114	1053	EXCAVATOR--WHEELED	1	142.50	10.00		\$1,425.00		
6/23/2016	72114	2507	GRANGER BRUCE	3	20.87	10.00	\$208.70			
6/23/2016	72114	1036	DUMP TRUCK--2015 MACK	1	90.61	10.00		\$906.10		
Road Id - 002774- WILLETT ROAD										
Activity Id 250 Ditching										
Road District -3										
8/15/2016	72155	2521	HILL AMOS	3	20.05	2.50	\$50.13			
8/15/2016	72155	1053	EXCAVATOR--WHEELED	1	148.69	2.50		\$371.73		
8/15/2016	72155	1448	DUTTON CLAUDE C	3	18.16	2.50	\$45.40			
8/15/2016	72155	1008	DUMP TRUCK	1	77.28	2.50		\$193.20		
8/15/2016	72155	2523	SEARS MARQUETTE	3	16.19	2.50	\$40.48			
8/15/2016	72155	1031	TRUCK--FLATBED CREW	1	27.92	2.50		\$69.80		
8/15/2016	72155	2528	CATTLINO LIVAR	3	18.54	2.50	\$46.35			
Road Id - 002849- GOWENS CIRCLE										
Activity Id 250 Ditching										
Road District -2										
4/21/2016	72060	0027	BRYANT JERRY A	3	29.55	3.00	\$88.65			
4/21/2016	72060	0997	DUMP TRUCK--FLATBED	1	53.58	3.00		\$160.74		
4/21/2016	72060	1042	BACKHOE	1	67.34	3.00		\$202.02		

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Date	BJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002-180W MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road Id - 002849- GOWENS CIRCLE										
Activity Id -J50 Ditching										
Road District -2										
4/21/2016	72060	2507	GRANGER BRUCE	3	26.87	1.00	\$62.63			
4/21/2016	72060	3009	DUMP TRUCK	1	88.96	1.00		\$266.88		
5/26/2016	72089	2521	HILL AMOS	3	20.05	1.00	\$60.15			
5/26/2016	72089	0253	EXCAVATOR--WHEELED	1	142.50	1.00		\$427.50		
5/26/2016	72089	2505	GIPSON ADAM	3	19.37	1.00	\$58.11			
5/26/2016	72089	0229	DUMP TRUCK	1	52.74	1.00		\$158.22		
5/26/2016	72089	2515	STOWERS SHEA	3	20.22	1.00	\$60.66			
5/26/2016	72089	0031	TRUCK--FLATBED CREW	1	29.71	1.00		\$89.13		
Road Id - 002917- SPRING AVENUE										
Activity Id -J50 Ditching										
Road District -2										
5/9/2016	72074	2521	HILL AMOS	3	20.05	1.00	\$100.25			
5/9/2016	72074	0253	EXCAVATOR--WHEELED	1	142.50	1.00		\$712.50		
5/9/2016	72074	1464	DUTTON CLAUDE C	3	18.16	1.00	\$90.80			
5/9/2016	72074	0031	TRUCK--FLATBED CREW	1	29.71	1.00		\$148.55		
5/9/2016	72074	2515	STOWERS SHEA	3	20.22	1.00	\$101.10			
5/9/2016	72074	0981	PICKUP	1	19.44	1.00		\$97.20		
Road Id - 004005- JENKINS ROAD										
Activity Id -J50 Ditching										
Road District -2										
5/26/2016	72089	0027	BRYANT JERRY A	3	29.55	10.00	\$295.50			
5/26/2016	72089	0997	DUMP TRUCK--FLATBED	1	53.58	10.00		\$535.80		
5/26/2016	72089	1041	BACKHOE	1	67.34	10.00		\$673.40		
5/26/2016	72089	1130	MCGATHA CHARLES K	3	23.65	10.00	\$236.50			
5/26/2016	72089	1049	MOTOR GRADER--2015 CAT	1	131.67	10.00		\$1,316.70		
5/26/2016	72089	2128	CATTEING LEVAR	3	18.54	10.00	\$185.40			
5/26/2016	72089	0981	PICKUP	1	19.44	10.00		\$194.40		
Project Cost by Category							\$80,395.79	\$275,599.83	\$797.68	\$0.00
Total Project Cost							\$356,792.70			

Project Id - 28-002-180W MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road Id - -:										
Activity Id -J50 Ditching										
Road District -										
3/14/2017	72334	1217	NORTON STEVE A	3	24.20	10.00	\$242.00			
3/14/2017	72334	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
3/14/2017	72334	1144	HEARD ERIC W	3	24.69	8.00	\$197.52			
3/14/2017	72334	1067	DUMP TRUCK--2016 MACK	1	104.81	8.00		\$838.48		
Road Id - 000015- ALFORD ROAD										
Activity Id -J50 Ditching										
Road District -2										
12/8/2016	72257	1130	GUTHERY THOMAS	3	20.95	1.00	\$62.85			
12/8/2016	72257	1053	EXCAVATOR--WHEELED	1	148.69	1.00		\$446.07		
12/8/2016	72257	1468	DUTTON CLAUDE C	3	18.40	1.00	\$55.20			
12/8/2016	72257	1066	DUMP TRUCK--2016 MACK	1	104.81	1.00		\$314.43		
12/8/2016	72257	2123	SEARS MARQUETTE	3	16.41	1.00	\$49.23			
12/8/2016	72257	1031	TRUCK--2008 FORD F450	1	27.92	1.00		\$83.76		
12/8/2016	72257	2115	STOWERS SHEA	3	20.48	1.00	\$20.48			
Road Id - 000018- ALFORDS BEND ROAD										
Activity Id -J50 Ditching										
Road District -2										
3/6/2017	72327	2115	STOWERS SHEA	3	20.62	5.00	\$103.10			
3/6/2017	72327	1053	EXCAVATOR--WHEELED	1	148.69	1.00		\$743.45		
3/6/2017	72327	2126	CARROLL MARCUS	3	18.38	1.00	\$91.90			

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Date	DJ Id	ID	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-001-180W MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road Id - 000018 - ALFORDS BEND ROAD										
Activity Id - 350 Ditching										
Road District - 2										
3/6/2017	72327	1064	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
3/6/2017	72327	2128	CATTLING LEVAR	3	19.01	5.00	\$95.05			
3/15/2017	72331	0027	BRYANT JERRY A	3	30.20	3.00	\$90.60			
3/15/2017	72335	0997	DUMP TRUCK--2008	1	49.36	3.00		\$148.08		
3/15/2017	72335	1041	BACKHOE--2015 CAT 430F	1	61.73	3.00		\$185.19		
3/15/2017	72335	1809	PERKINS ROGER L	3	21.78	3.00	\$65.34			
3/15/2017	72335	1029	DUMP TRUCK--2006	1	49.36	3.00		\$148.08		
3/16/2017	72336	0027	BRYANT JERRY A	3	30.20	3.00	\$90.60			
3/16/2017	72336	0997	DUMP TRUCK--2008	1	49.36	3.00		\$148.08		
3/16/2017	72336	1809	PERKINS ROGER L	3	21.78	3.00	\$65.34			
3/16/2017	72336	1029	DUMP TRUCK--2006	1	49.36	3.00		\$148.08		
3/16/2017	72336	1041	BACKHOE--2015 CAT 430F	1	61.73	3.00		\$185.19		
3/16/2017	72336	1201	TURNER ADRIAN J	3	24.20	3.00	\$72.60			
Road Id - 000034 - ADAMS ROAD										
Activity Id - 350 Ditching										
Road District - 2										
3/14/2017	72309	1259	FROST RANDALL C	3	30.54	5.00	\$152.70			
3/14/2017	72309	1054	PICKUP--2012 FORD F150	1	18.86	5.00		\$94.30		
3/14/2017	72309	1530	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
3/14/2017	72309	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
3/14/2017	72309	1468	BUTTON CLAUDE C	3	18.56	5.00	\$92.80			
3/14/2017	72309	1064	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
3/14/2017	72309	1110	MCGATHA CHARLES K	3	24.22	5.00	\$121.10			
3/14/2017	72309	1031	TRUCK--2008 FORD F450	1	29.08	5.00		\$145.40		
3/14/2017	72309	2528	CATTLING LEVAR	3	19.01	3.00	\$57.03			
Road Id - 000041 - ALVERSON ROAD										
Activity Id - 350 Ditching										
Road District - 2										
12/8/2016	72257	1196	PATTERSON WILLIAM J	3	21.05	3.00	\$63.15			
12/8/2016	72257	1042	BACKHOE--2015 CAT 430F	1	61.73	3.00		\$185.19		
12/8/2016	72257	1809	PERKINS ROGER L	3	21.49	3.00	\$64.47			
12/8/2016	72257	1065	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.43		
12/8/2016	72257	1110	MCGATHA CHARLES K	3	23.94	3.00	\$71.82			
12/8/2016	72257	0943	PICKUP--2001 DODGE RAM	1	13.79	3.00		\$41.37		
3/22/2017	72316	1517	WASHINGTON ROBERT E	3	27.93	5.00	\$139.65			
3/22/2017	72316	1005	TRUCK--2007 FORD F150	1	18.86	5.00		\$94.30		
3/22/2017	72316	1530	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
3/22/2017	72316	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
3/22/2017	72316	1468	BUTTON CLAUDE C	3	18.56	5.00	\$92.80			
3/22/2017	72316	1064	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
3/22/2017	72316	2528	CATTLING LEVAR	3	19.01	5.00	\$95.05			
3/22/2017	72316	1031	TRUCK--2008 FORD F450	1	29.08	5.00		\$145.40		
Road Id - 000049 - ANDERSON ROAD										
Activity Id - 350 Ditching										
Road District - 2										
10/31/2016	72226	1530	GUTHERY THOMAS	3	20.95	4.00	\$83.80			
10/31/2016	72226	1053	EXCAVATOR--WHEELED	1	148.69	4.00		\$594.76		
10/31/2016	72226	1468	BUTTON CLAUDE C	3	18.40	4.00	\$73.60			
10/31/2016	72226	1029	DUMP TRUCK--2006	1	46.35	4.00		\$185.40		
10/31/2016	72226	2526	CARROLL MARCUS	3	17.83	4.00	\$71.32			
10/31/2016	72226	0816	PICKUP	1	13.79	4.00		\$55.16		
Road Id - 000079 - BACHELOR CHAPEL ROAD										
Activity Id - 350 Ditching										
Road District - 2										
1/8/2017	72319	2515	STOWERS SHEA	3	20.42	5.00	\$102.10			

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002-180W MAINTENANCE-DRAINAGE-DITCHES/SHOULDER										
Road Id - 000079- BACHELOR CHAPEL ROAD										
Activity Id .350 Ditching										
Road District -2										
3/8/2017	72329	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
3/8/2017	72329	2505	GIPSON ADAM	3	19.88	5.00	\$99.40			
3/8/2017	72329	1064	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
3/8/2017	72329	2528	CATTLING LEVAR	3	19.01	5.00	\$95.05			
3/8/2017	72329	1031	TRUCK--2008 FORD F450	1	29.08	5.00		\$145.40		
3/8/2017	72329	0027	BRYANT JERRY A	3	30.20	5.00	\$151.00			
3/9/2017	72330	2515	STOWERS SHEA	3	20.62	3.00	\$61.86			
3/9/2017	72330	1053	EXCAVATOR--WHEELED	1	148.69	3.00		\$446.07		
3/9/2017	72330	2505	GIPSON ADAM	3	19.88	3.00	\$59.64			
3/9/2017	72330	1064	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.43		
3/9/2017	72330	2528	CATTLING LEVAR	3	19.01	3.00	\$57.03			
3/9/2017	72330	1031	TRUCK--2008 FORD F450	1	29.08	3.00		\$87.24		
3/9/2017	72330	1110	MC GATHA CHARLES K	3	24.22	3.00	\$72.66			
3/15/2017	72335	0027	BRYANT JERRY A	3	30.20	3.00	\$90.60			
3/15/2017	72335	0997	DUMP TRUCK--2008	1	49.36	3.00		\$148.08		
3/15/2017	72335	1041	BACKHOE--2015 CAT 430F	1	61.73	3.00		\$185.19		
3/15/2017	72335	1809	PERKINS ROGER L	3	21.78	3.00	\$65.34			
3/15/2017	72335	1029	DUMP TRUCK--2006	1	49.36	3.00		\$148.08		
3/16/2017	72336	0027	BRYANT JERRY A	3	30.20	3.00	\$90.60			
3/16/2017	72336	0997	DUMP TRUCK--2008	1	49.36	3.00		\$148.08		
3/16/2017	72336	1809	PERKINS ROGER L	3	21.78	3.00	\$65.34			
3/16/2017	72336	1029	DUMP TRUCK--2006	1	49.36	3.00		\$148.08		
3/16/2017	72336	1041	BACKHOE--2015 CAT 430F	1	61.73	3.00		\$185.19		
3/16/2017	72336	1201	TURNER ADRIAN J	3	24.20	3.00	\$72.60			
Road Id - 000091- BARKSDALE ROAD										
Activity Id .350 Ditching										
Road District -3										
12/8/2016	72257	2531	MAYS JIMMY R	3	16.39	2.50	\$40.98			
12/8/2016	72257	1043	BACKHOE--2015 CAT 430F	1	61.73	2.50		\$154.33		
12/8/2016	72257	2532	HUFF WALTER B	3	18.38	2.50	\$45.95			
12/8/2016	72257	0033	PICKUP	1	18.07	2.50		\$45.18		
12/8/2016	72257	2512	SHEELER DAVID	3	16.77	2.50	\$41.93			
12/8/2016	72257	1069	DUMP TRUCK--2016 MACK	1	104.81	2.50		\$262.03		
12/8/2016	72257	0679	KELLY DONALD R	3	30.17	2.50	\$75.43			
12/8/2016	72257	0983	PICKUP	1	14.93	2.50		\$37.33		
Road Id - 000044- BEARD ROAD										
Activity Id .350 Ditching										
Road District -2										
12/1/2016	72252	1530	GUTHRY THOMAS	3	20.95	10.00	\$209.50			
12/1/2016	72252	1053	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
12/1/2016	72252	1468	DUTTON CLAUDE C	3	18.40	10.00	\$184.00			
12/1/2016	72252	1064	DUMP TRUCK--2016 MACK	1	104.81	10.00		\$1,048.10		
12/1/2016	72252	2525	SEARS MARQUETTE	3	16.41	10.00	\$164.10			
12/1/2016	72252	1031	TRUCK--2008 FORD F450	1	27.92	10.00		\$279.20		
2/23/2017	72317	1517	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
2/23/2017	72317	1005	TRUCK--2007 FORD F150	1	18.86	10.00		\$188.60		
2/23/2017	72317	1530	GUTHRY THOMAS	3	21.30	10.00	\$213.00			
2/23/2017	72317	1053	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
2/23/2017	72317	1468	DUTTON CLAUDE C	3	18.56	10.00	\$185.60			
2/23/2017	72317	1064	DUMP TRUCK--2016 MACK	1	104.81	10.00		\$1,048.10		
2/23/2017	72317	2528	CATTLING LEVAR	3	19.01	10.00	\$190.10			
2/23/2017	72317	1031	TRUCK--2008 FORD F450	1	29.08	10.00		\$290.80		
2/23/2017	72317	2534	WENN TOMMY L	3	16.19	10.00	\$161.90			
2/23/2017	72320	1517	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
2/23/2017	72320	1005	TRUCK--2007 FORD F150	1	18.86	10.00		\$188.60		

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Project ID - 28-001-BROW MAINTENANCE-DRAINAGE-DITCHES/BOULDER										
Road ID - 000094- BEAIRD ROAD										
Activity ID 358 Ditching										
Road District - 2										
2/21/2017	72320	2515	STOWERS SHEA	3	20.62	10.00	\$206.20			
2/21/2017	72320	1053	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
2/21/2017	72320	1468	DUTTON CLAUDE C	3	18.56	10.00	\$185.60			
2/21/2017	72320	1064	DUMP TRUCK--2016 MACK	1	104.83	10.00		\$1,048.10		
2/21/2017	72320	2328	CATTLING LEVAB	3	19.01	10.00	\$190.10			
2/21/2017	72320	1031	TRUCK--2008 FORD F450	1	29.08	10.00		\$290.80		
2/21/2017	72320	2534	WINN TOMMY L	3	16.19	10.00	\$161.90			
Road ID - 000118- NORTH BELMONT DRIVE										
Activity ID 358 Ditching										
Road District - 2										
12/6/2016	72255	2526	CARROLL MARCUS	3	17.83	3.00	\$53.49			
12/6/2016	72255	0998	DUMP TRUCK--2008 GMC	1	47.19	3.00		\$141.57		
12/6/2016	72255	1809	PERKINS ROGER L	3	21.49	3.00	\$64.47			
12/6/2016	72255	1066	DUMP TRUCK--2016 MACK	1	104.83	3.00		\$314.43		
12/6/2016	72255	2523	SEARS MARQUETTE	3	16.43	3.00	\$49.23			
12/6/2016	72255	0981	PICKUP	1	18.31	3.00		\$54.93		
12/6/2016	72255	1041	BACKHOE--2013 CAT 430F	1	61.73	3.00		\$185.19		
12/6/2016	72255	2515	STOWERS SHEA	3	20.48	3.00	\$61.44			
12/6/2016	72255	1053	EXCAVATOR--WHEELED	1	148.69	3.00		\$446.07		
12/6/2016	72255	1468	DUTTON CLAUDE C	3	18.40	3.00	\$55.20			
12/6/2016	72255	1064	DUMP TRUCK--2016 MACK	1	104.83	3.00		\$314.43		
12/6/2016	72255	1110	MCGATHA CHARLES K	3	23.94	3.00	\$71.82			
12/6/2016	72255	1031	TRUCK--2008 FORD F450	1	27.92	3.00		\$83.76		
12/6/2016	72255	2534	WINN TOMMY L	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 TRUCK--2008 GMC	1	49.36	4.00		\$197.44		
3/31/2017	72315	2505	GIPSON ADAM	3	19.88	4.00	\$79.52			
3/31/2017	72315	1066	DUMP TRUCK--2016 MACK	1	104.83	4.00		\$419.24		
3/31/2017	72315	2534	WINN TOMMY L	3	16.19	4.00	\$64.76			
3/31/2017	72315	0981	PICKUP	1	18.86	4.00		\$75.44		
3/31/2017	72315	1041	BACKHOE--2013 CAT 430F	1	61.73	4.00		\$246.92		
Road ID - 000119- SOUTH BELMONT DRIVE										
Activity ID 450 Ditching										
Road District - 2										
12/6/2016	72255	2526	CARROLL MARCUS	3	17.83	4.00	\$71.32			
12/6/2016	72255	0998	DUMP TRUCK--2008 GMC	1	47.19	4.00		\$188.76		
12/6/2016	72255	1809	PERKINS ROGER L	3	21.49	4.00	\$85.96			
12/6/2016	72255	1066	DUMP TRUCK--2016 MACK	1	104.83	4.00		\$419.24		
12/6/2016	72255	2523	SEARS MARQUETTE	3	16.43	4.00	\$65.64			
12/6/2016	72255	0981	PICKUP	1	18.31	4.00		\$73.24		
12/6/2016	72255	1041	BACKHOE--2013 CAT 430F	1	61.73	4.00		\$246.92		
12/6/2016	72255	2515	STOWERS SHEA	3	20.48	4.00	\$81.92			
12/6/2016	72255	1053	EXCAVATOR--WHEELED	1	148.69	4.00		\$594.76		
12/6/2016	72255	1468	DUTTON CLAUDE C	3	18.40	4.00	\$73.60			
12/6/2016	72255	1064	DUMP TRUCK--2016 MACK	1	104.83	4.00		\$419.24		
12/6/2016	72255	1110	MCGATHA CHARLES K	3	23.94	4.00	\$95.76			
12/6/2016	72255	1031	TRUCK--2008 FORD F450	1	27.92	4.00		\$111.68		
12/6/2016	72255	2534	WINN TOMMY L	3	16.05	4.00	\$64.20			
3/31/2017	72315	2515	STOWERS SHEA	3	20.62	3.00	\$61.86			
3/31/2017	72315	0998	DUMP TRUCK--2008 GMC	1	49.36	3.00		\$148.08		
3/31/2017	72315	2505	GIPSON ADAM	3	19.88	3.00	\$59.64			
3/31/2017	72315	1066	DUMP TRUCK--2016 MACK	1	104.83	3.00		\$314.43		
3/31/2017	72315	2534	WINN TOMMY L	3	16.19	3.00	\$48.57			
3/31/2017	72315	0981	PICKUP	1	18.86	3.00		\$56.58		
3/31/2017	72315	1041	BACKHOE--2013 CAT 430F	1	61.73	3.00		\$185.19		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqs Cost	Mat Cost	Con Cost
Project Id - 28-002-EROW MAINTENANCE-DRAINAGE-DITCH/SHOULDER										
Road Id - 000122- BENSON DRIVE										
Activity Id -350 Ditching										
Road District -2										
12/8/2016	72257	1196	PATTERSON WILLIAM J	3	21.05	3.00	\$63.15			
12/8/2016	72257	1042	BACKHOE-2013 CAT 408F	1	61.73	3.00		\$185.19		
12/8/2016	72257	1809	PERKINS ROGER L	3	21.49	3.00	\$64.47			
12/8/2016	72257	1065	DUMP TRUCK-2014 MACK	1	104.81	3.00		\$314.43		
12/8/2016	72257	1110	MCGATHA CHARLES K	3	23.94	3.00	\$71.82			
12/8/2016	72257	0943	PICKUP-2001 DODGE RAM	1	13.79	3.00		\$41.37		
1/19/2017	72288	0927	BRYANT JERRY A	3	30.20	4.00	\$120.80			
1/19/2017	72288	0997	DUMP TRUCK-2008	1	49.36	4.00		\$197.44		
1/19/2017	72288	2507	GRANGER BRUCE	3	18.84	4.00	\$75.36			
1/19/2017	72288	0981	PICKUP	1	18.86	4.00		\$75.44		
1/19/2017	72288	1809	PERKINS ROGER L	3	21.78	4.00	\$87.12			
1/19/2017	72288	1065	DUMP TRUCK-2014 MACK	1	104.81	4.00		\$419.24		
1/19/2017	72288	1041	BACKHOE-2013 CAT 408F	1	61.73	4.00		\$246.92		
2/21/2017	72313	1330	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
2/21/2017	72313	1053	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
2/21/2017	72313	1468	DUTTON CLAUDE C	3	18.56	5.00	\$92.80			
2/21/2017	72313	1064	DUMP TRUCK-2014 MACK	1	104.81	5.00		\$524.05		
2/21/2017	72313	2526	CARROLL MARCUS	3	18.18	5.00	\$91.90			
2/21/2017	72313	1031	TRUCK-2008 FORD F450	1	29.08	5.00		\$145.40		
2/21/2017	72313	1259	FROST RANDALL C	3	30.54	4.00	\$122.16			
2/21/2017	72313	1054	PICKUP-2012 FORD F150	1	18.86	4.00		\$75.44		
Road Id - 000143- BLACK CREEK ROAD										
Activity Id -350 Ditching										
Road District -2										
2/15/2017	72310	1259	FROST RANDALL C	3	30.54	5.00	\$152.70			
2/15/2017	72310	1054	PICKUP-2012 FORD F150	1	18.86	5.00		\$94.30		
2/15/2017	72310	1330	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
2/15/2017	72310	1053	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
2/15/2017	72310	1468	DUTTON CLAUDE C	3	18.56	5.00	\$92.80			
2/15/2017	72310	1064	DUMP TRUCK-2014 MACK	1	104.81	5.00		\$524.05		
2/15/2017	72310	2528	CATLING LEVAE	3	19.01	5.00	\$95.05			
2/15/2017	72310	1031	TRUCK-2008 FORD F450	1	29.08	5.00		\$145.40		
2/15/2017	72310	1110	MCGATHA CHARLES K	3	24.22	5.00	\$121.10			
2/16/2017	72311	1517	WASHINGTON ROBERT E	3	27.93	5.00	\$139.65			
2/16/2017	72311	1005	TRUCK-2007 FORD F150	1	18.86	5.00		\$94.30		
2/16/2017	72311	1330	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
2/16/2017	72311	1053	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
2/16/2017	72311	1468	DUTTON CLAUDE C	3	18.56	5.00	\$92.80			
2/16/2017	72311	1064	DUMP TRUCK-2014 MACK	1	104.81	5.00		\$524.05		
2/16/2017	72311	2528	CATLING LEVAE	3	19.01	5.00	\$95.05			
2/16/2017	72311	1031	TRUCK-2008 FORD F450	1	29.08	5.00		\$145.40		
Road Id - 000147- BLANTON ROAD										
Activity Id -350 Ditching										
Road District -2										
2/1/2017	72298	1259	FROST RANDALL C	3	30.54	3.00	\$91.62			
2/1/2017	72298	0997	DUMP TRUCK-2008	1	49.36	3.00		\$148.08		
2/1/2017	72298	1809	PERKINS ROGER L	3	21.78	3.00	\$65.34			
2/1/2017	72298	1029	DUMP TRUCK-2006	1	49.36	3.00		\$148.08		
2/1/2017	72298	2507	GRANGER BRUCE	3	18.84	3.00	\$56.52			
2/1/2017	72298	0981	PICKUP	1	18.86	3.00		\$56.58		
Road Id - 000173- BRADFORD ROAD										
Activity Id -350 Ditching										
Road District -4										
5/11/2017	72282	1217	NORTON STEVE A	3	24.20	1.00	\$24.20			
5/11/2017	72282	1052	EXCAVATOR-WHEELED	1	148.69	3.00		\$446.07		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-092180W MAINTENANCE-DRAINAGE,DITCH&SHOULDER										
Road Id - 000073- BRADFORD ROAD										
Activity Id -350 Ditching										
Road District -4										
1/11/2017	72282	1381	SALERS WILLIAM R	3	21.90	1.00	\$21.90			
1/11/2017	72282	0652	DUMP TRUCK--FLATBED	1	49.36	3.00		\$148.08		
1/11/2017	72282	1144	HEARD ERIC W	3	24.69	1.00	\$24.69			
1/11/2017	72282	1067	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.43		
1/11/2017	72282	1491	NAIL JAMES	3	22.71	1.00	\$22.71			
1/11/2017	72282	1068	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.43		
1/11/2017	72282	2527	ALLEN JORDAN	3	16.54	1.00	\$16.55			
1/11/2017	72282	1040	BACKHOE--2015 CAT 430F	1	61.73	3.00		\$185.19		
1/11/2017	72282	1000	TRAILER--2009	1	12.47	1.00		\$12.47		
Road Id - 000177- BRANS CHAPEL ROAD										
Activity Id -350 Ditching										
Road District -3										
12/13/2016	72260	2528	HILL AMOS	3	30.27	4.00	\$81.08			
12/13/2016	72260	1043	BACKHOE--2015 CAT 430F	1	61.73	4.00		\$246.92		
12/13/2016	72260	2512	SHEELER DAVID	3	16.77	4.00	\$67.08			
12/13/2016	72260	1069	DUMP TRUCK--2016 MACK	1	104.81	4.00		\$419.24		
12/13/2016	72260	0679	KELLEY DONALD R	3	30.17	4.00	\$120.68			
12/13/2016	72260	0983	PICKUP	1	14.93	4.00		\$59.72		
Road Id - 000178- BRASSIER CUT-OFF RD										
Activity Id -350 Ditching										
Road District -4										
5/23/2017	72290	2527	ALLEN JORDAN	3	16.54	2.00	\$33.09			
5/23/2017	72290	1040	BACKHOE--2015 CAT 430F	1	61.73	2.00		\$123.46		
5/23/2017	72290	2512	SHEELER DAVID	3	16.92	2.00	\$33.84			
5/23/2017	72290	1069	DUMP TRUCK--2016 MACK	1	104.81	2.00		\$209.62		
5/23/2017	72290	1491	NAIL JAMES	3	22.71	2.00	\$45.42			
5/23/2017	72290	1068	DUMP TRUCK--2016 MACK	1	104.81	2.00		\$209.62		
5/23/2017	72290	1000	TRAILER--2009	1	12.47	2.00		\$24.94		
5/23/2017	72290	1061	DUMP TRUCK--2010	1	49.36	2.00		\$98.72		
Road Id - 000181- BREWER ROAD										
Activity Id -350 Ditching										
Road District -2										
2/1/2017	72298	1239	FROST RANDALL C	3	30.54	4.00	\$122.16			
2/1/2017	72298	0997	DUMP TRUCK--2008	1	49.36	4.00		\$197.44		
2/1/2017	72298	1809	PERKINS ROGER L	3	21.78	4.00	\$87.12			
2/1/2017	72298	1029	DUMP TRUCK--2006	1	49.36	4.00		\$197.44		
2/1/2017	72298	2507	GRANGER BRUCE	3	18.84	4.00	\$75.36			
2/1/2017	72298	0981	PICKUP	1	18.86	4.00		\$75.44		
2/2/2017	72299	2526	CARROLL MARCUS	3	18.38	5.00	\$91.90			
2/2/2017	72299	1053	EXCAVATOR--WHEELED	1	148.60	5.00		\$743.05		
2/2/2017	72299	1468	DUTTON CLAUDE C	3	18.56	5.00	\$92.80			
2/2/2017	72299	1064	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
2/2/2017	72299	2525	SEARS MARQUETTE	3	16.54	5.00	\$82.70			
2/2/2017	72299	0981	PICKUP	1	18.86	5.00		\$94.30		
2/2/2017	72299	2528	CATLING LEVAR	3	19.81	5.00	\$99.05			
2/6/2017	72302	1239	FROST RANDALL C	3	30.54	10.00	\$305.40			
2/6/2017	72302	1054	PICKUP--2002 FORD F150	1	18.86	10.00		\$188.60		
2/6/2017	72302	1130	GUTHRIE THOMAS	3	21.30	10.00	\$211.00			
2/6/2017	72302	1053	EXCAVATOR--WHEELED	1	148.60	10.00		\$1,486.90		
2/6/2017	72302	1468	DUTTON CLAUDE C	3	18.56	10.00	\$185.60			
2/6/2017	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	0856	PICKUP	1	14.42	10.00		\$144.20		
Road Id - 000091- BRESTOW COVE ROAD										
Activity Id -350 Ditching										

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Project Id - 28-002-EROW MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road Id - 000091- BRISTOW COVE ROAD										
Activity Id 350 Ditching										
Road District -4										
11/8/2016	72234	1217	NORTON STEVE A	3	23.92	5.00	\$119.60			
11/8/2016	72234	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
11/8/2016	72234	1144	HEARD ERIC W	3	24.40	5.00	\$122.00			
11/8/2016	72234	1067	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
11/8/2016	72234	1381	SALERS WILLIAM R	3	21.62	5.00	\$108.10			
11/8/2016	72234	1020	DUMP TRUCK--2003	1	45.15	5.00		\$225.75		
11/8/2016	72234	1324	KUHN RICHARD A	3	27.75	5.00	\$138.75			
11/8/2016	72234	1055	PICKUP--2012 FORD F150	1	18.59	5.00		\$92.95		
Road Id - 000207- BRUTON GAP ROAD										
Activity Id 350 Ditching										
Road District -3										
12/14/2016	72261	2121	HILL AMOS	3	30.27	1.50	\$45.41			
12/14/2016	72261	1043	BACKHOE--2013 CAT 40F	1	61.73	1.50		\$92.60		
12/14/2016	72261	2112	SHIELER DAVID	3	16.77	1.50	\$25.16			
12/14/2016	72261	1069	DUMP TRUCK--2016 MACK	1	104.81	1.50		\$157.22		
12/14/2016	72261	0879	KELLEY DONALD R	3	30.17	1.50	\$45.26			
12/14/2016	72261	0983	PICKUP	1	14.93	1.50		\$22.40		
12/14/2016	72261	2127	ALLEN JORDAN	3	16.38	1.50	\$24.57			
12/14/2016	72261	1040	BACKHOE--2013 CAT 40F	1	61.73	1.50		\$92.60		
12/14/2016	72261	1491	NAIL JAMES	3	22.43	1.50	\$33.65			
12/14/2016	72261	1068	DUMP TRUCK--2016 MACK	1	104.81	1.50		\$157.22		
12/14/2016	72261	1217	NORTON STEVE A	3	23.92	1.50	\$35.88			
12/14/2016	72261	1052	EXCAVATOR--WHEELED	1	148.69	1.50		\$223.04		
12/14/2016	72261	1381	SALERS WILLIAM R	3	21.62	1.50	\$32.43			
12/14/2016	72261	1020	DUMP TRUCK--2003	1	45.15	1.50		\$67.73		
12/14/2016	72261	1144	HEARD ERIC W	3	24.40	1.50	\$36.60			
12/14/2016	72261	0952	DUMP TRUCK--FLATBED	1	45.41	1.50		\$68.12		
12/14/2016	72261	1324	KUHN RICHARD A	3	27.75	1.50	\$41.63			
12/14/2016	72261	1055	PICKUP--2012 FORD F150	1	18.59	1.50		\$27.89		
Road Id - 000214- BUD UMPHREY ROAD										
Activity Id 350 Ditching										
Road District -4										
11/8/2016	72234	1217	NORTON STEVE A	3	23.92	5.00	\$119.60			
11/8/2016	72234	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
11/8/2016	72234	1144	HEARD ERIC W	3	24.40	5.00	\$122.00			
11/8/2016	72234	1067	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
11/8/2016	72234	1381	SALERS WILLIAM R	3	21.62	5.00	\$108.10			
11/8/2016	72234	1020	DUMP TRUCK--2003	1	45.15	5.00		\$225.75		
11/8/2016	72234	1324	KUHN RICHARD A	3	27.75	5.00	\$138.75			
11/8/2016	72234	1055	PICKUP--2012 FORD F150	1	18.59	5.00		\$92.95		
12/7/2016	72256	1217	NORTON STEVE A	3	23.92	5.00	\$119.60			
12/7/2016	72256	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
12/7/2016	72256	1381	SALERS WILLIAM R	3	21.62	5.00	\$108.10			
12/7/2016	72256	1020	DUMP TRUCK--2003	1	45.15	5.00		\$225.75		
12/7/2016	72256	1198	TALTON STEVEN W	3	24.07	5.00	\$120.35			
12/7/2016	72256	0952	DUMP TRUCK--FLATBED	1	45.41	5.00		\$227.05		
12/7/2016	72256	1324	KUHN RICHARD A	3	27.75	5.00	\$138.75			
12/7/2016	72256	1055	PICKUP--2012 FORD F150	1	18.59	5.00		\$92.95		
12/8/2016	72257	2127	ALLEN JORDAN	3	16.38	2.50	\$40.95			
12/8/2016	72257	1040	BACKHOE--2013 CAT 40F	1	61.73	2.50		\$154.33		
12/8/2016	72257	1491	NAIL JAMES	3	22.43	2.50	\$56.08			
12/8/2016	72257	1068	DUMP TRUCK--2016 MACK	1	104.81	2.50		\$262.01		
12/8/2016	72257	1217	NORTON STEVE A	3	23.92	2.50	\$59.80			
12/8/2016	72257	1052	EXCAVATOR--WHEELED	1	148.69	2.50		\$371.73		
12/8/2016	72257	1381	SALERS WILLIAM R	3	21.62	2.50	\$54.05			

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Project Id - 28-002-EROW MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road Id - 000214- BUD UMPIREY ROAD										
Activity Id 350 Ditching										
Road District -4										
12/8/2016	72257	1020	DUMP TRUCK-2000	1	45.15	2.50		\$112.88		
12/8/2016	72257	1144	HEARD ERIC W	3	24.40	2.50	\$61.00			
12/8/2016	72257	0952	DUMP TRUCK-FLATBED	1	45.61	2.50		\$113.53		
12/8/2016	72257	1524	KUBIN RICHARD A	3	27.75	2.50	\$69.38			
12/8/2016	72257	1055	PICKUP-2012 FORD F150	1	18.59	2.50		\$46.48		
12/8/2016	72257	1000	TRAILER-2009	1	12.47	2.50		\$31.18		
12/8/2016	72257	1001	DUMP TRUCK-2010	1	47.93	2.50		\$119.83		
12/12/2016	72259	1524	KUBIN RICHARD A	3	27.75	4.00	\$111.00			
12/12/2016	72259	1055	PICKUP-2012 FORD F150	1	18.59	4.00		\$74.36		
12/12/2016	72259	1217	NORTON STEVE A	3	23.92	5.00	\$119.60			
12/12/2016	72259	1052	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
12/12/2016	72259	1144	HEARD ERIC W	3	24.40	5.00	\$122.00			
12/12/2016	72259	0952	DUMP TRUCK-FLATBED	1	45.41	5.00		\$227.05		
12/12/2016	72259	1381	SALERS WILLIAM R	3	21.62	5.00	\$108.10			
12/12/2016	72259	1020	DUMP TRUCK-2000	1	45.15	5.00		\$225.75		
12/13/2016	72260	1217	NORTON STEVE A	3	23.92	3.00	\$71.76			
12/13/2016	72260	1052	EXCAVATOR-WHEELED	1	148.69	3.00		\$446.07		
12/13/2016	72260	1381	SALERS WILLIAM R	3	21.62	3.00	\$64.86			
12/13/2016	72260	1020	DUMP TRUCK-2000	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	72260	0952	DUMP TRUCK-FLATBED	1	45.41	3.00		\$136.23		
12/13/2016	72260	1524	KUBIN RICHARD A	3	27.75	3.00	\$83.25			
12/13/2016	72260	1055	PICKUP-2012 FORD F150	1	18.59	3.00		\$55.77		
12/14/2016	72261	2521	HILL AMOS	3	20.27	2.50	\$50.68			
12/14/2016	72261	1063	BACKHOE-2013 CAT 430F	1	61.73	2.50		\$154.33		
12/14/2016	72261	2312	SHEELER DAVID	3	16.77	2.50	\$41.93			
12/14/2016	72261	1069	DUMP TRUCK-2016 MACK	1	104.81	2.50		\$262.03		
12/14/2016	72261	0679	KELLEY DONALD R	3	30.17	2.50	\$75.43			
12/14/2016	72261	0983	PICKUP	1	14.93	2.50		\$37.33		
12/14/2016	72261	2527	ALLEN JORDAN	3	16.38	2.50	\$40.95			
12/14/2016	72261	1060	BACKHOE-2011 CAT 430F	1	61.73	2.50		\$154.33		
12/14/2016	72261	1491	NAIL JAMES	3	22.43	2.50	\$56.08			
12/14/2016	72261	1068	DUMP TRUCK-2016 MACK	1	104.81	2.50		\$262.03		
12/14/2016	72261	1217	NORTON STEVE A	3	23.92	2.50	\$59.80			
12/14/2016	72261	1052	EXCAVATOR-WHEELED	1	148.69	2.50		\$371.73		
12/14/2016	72261	1381	SALERS WILLIAM R	3	21.62	2.50	\$54.05			
12/14/2016	72261	1020	DUMP TRUCK-2000	1	45.15	2.50		\$112.88		
12/14/2016	72261	1144	HEARD ERIC W	3	24.40	2.50	\$61.00			
12/14/2016	72261	0952	DUMP TRUCK-FLATBED	1	45.41	2.50		\$113.53		
12/14/2016	72261	1524	KUBIN RICHARD A	3	27.75	2.50	\$69.38			
12/14/2016	72261	1055	PICKUP-2012 FORD F150	1	18.59	2.50		\$46.48		
12/15/2016	72262	1524	KUBIN RICHARD A	3	27.75	5.00	\$138.75			
12/15/2016	72262	1055	PICKUP-2012 FORD F150	1	18.59	5.00		\$92.95		
12/15/2016	72262	1217	NORTON STEVE A	3	23.92	10.00	\$239.20			
12/15/2016	72262	1052	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
12/15/2016	72262	1144	HEARD ERIC W	3	24.40	10.00	\$244.00			
12/15/2016	72262	0952	DUMP TRUCK-FLATBED	1	45.41	10.00		\$454.10		
12/15/2016	72262	1381	SALERS WILLIAM R	3	21.62	10.00	\$216.20			
12/15/2016	72262	1020	DUMP TRUCK-2000	1	45.15	10.00		\$451.50		

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Activity Id 350 Ditching

Road District -3

3/16/2017	72336	1217	NORTON STEVE A	3	24.20	3.00	\$72.60			
3/16/2017	72336	1052	EXCAVATOR-WHEELED	1	148.69	3.00		\$446.07		
3/16/2017	72336	1144	HEARD ERIC W	3	24.69	3.00	\$74.07			

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Project ID - 28-002180W MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road ID - 000217- BUFFINGTON ROAD										
Activity ID -350 Ditching										
Road District -3										
3/16/2017	72336	1067	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.43		
3/20/2017	72339	1217	NORTON STEVE A	3	24.20	10.00	\$242.00			
3/20/2017	72339	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
3/20/2017	72339	1144	HEARD ERIC W	3	24.69	10.00	\$246.90			
3/20/2017	72339	1067	DUMP TRUCK--2016 MACK	1	104.81	10.00		\$1,048.10		
3/22/2017	72341	1524	KUBEN RICHARD A	3	27.90	3.00	\$83.70			
3/22/2017	72341	1055	PICKUP--2012 FORD F150	1	18.86	3.00		\$56.58		
3/22/2017	72341	1217	NORTON STEVE A	3	24.20	3.00	\$121.00			
3/22/2017	72341	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
3/22/2017	72341	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			
3/22/2017	72341	1067	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.43		
Road ID - 000218- BULL HOLLOW ROAD										
Activity ID -350 Ditching										
Road District -4										
1/23/2017	72290	2527	ALLEN JORDAN	3	16.34	2.00	\$33.09			
1/23/2017	72290	1040	BACKHOE--2013 CAT 408F	1	61.73	2.00		\$123.46		
1/23/2017	72290	2512	SHEELER DAVID	3	16.92	2.00	\$33.84			
1/23/2017	72290	1069	DUMP TRUCK--2016 MACK	1	104.81	2.00		\$209.62		
1/23/2017	72290	1491	NAIL JAMES	3	22.71	2.00	\$45.42			
1/23/2017	72290	1068	DUMP TRUCK--2016 MACK	1	104.81	2.00		\$209.62		
1/23/2017	72290	1000	TRAILER--2009	1	12.47	2.00		\$24.94		
1/23/2017	72290	1001	DUMP TRUCK--2010	1	49.36	2.00		\$98.72		
Road ID - 000226- BURTON CUT-OFF										
Activity ID -350 Ditching										
Road District -4										
12/13/2016	72260	1217	NORTON STEVE A	3	23.92	4.00	\$95.68			
12/13/2016	72260	1052	EXCAVATOR--WHEELED	1	148.69	4.00		\$594.76		
12/13/2016	72260	1581	SALERS WILLIAM R	3	21.62	4.00	\$86.48			
12/13/2016	72260	1020	DUMP TRUCK--2003	1	45.15	4.00		\$180.60		
12/13/2016	72260	1144	HEARD ERIC W	3	24.40	4.00	\$97.60			
12/13/2016	72260	0952	DUMP TRUCK--FLATBED	1	45.41	4.00		\$181.64		
12/13/2016	72260	1524	KUBEN RICHARD A	3	27.75	4.00	\$111.00			
12/13/2016	72260	1055	PICKUP--2012 FORD F150	1	18.59	4.00		\$74.36		
Road ID - 000230- BUSTER WILLETT ROAD										
Activity ID -350 Ditching										
Road District -3										
12/12/2016	72259	2521	HILL AMOS	3	20.27	2.50	\$50.68			
12/12/2016	72259	1043	BACKHOE--2013 CAT 408F	1	61.73	2.50		\$154.33		
12/12/2016	72259	2512	SHEELER DAVID	3	16.77	2.50	\$41.93			
12/12/2016	72259	1069	DUMP TRUCK--2016 MACK	1	104.81	2.50		\$262.03		
12/12/2016	72259	0679	KELLEY DONALD R	3	30.17	2.50	\$75.43			
12/12/2016	72259	0983	PICKUP	1	14.93	2.50		\$37.33		
12/13/2016	72260	2521	HILL AMOS	3	20.27	3.00	\$60.81			
12/13/2016	72260	1043	BACKHOE--2013 CAT 408F	1	61.73	3.00		\$185.19		
12/13/2016	72260	2512	SHEELER DAVID	3	16.77	3.00	\$50.31			
12/13/2016	72260	1069	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.43		
12/13/2016	72260	0679	KELLEY DONALD R	3	30.17	3.00	\$90.51			
12/13/2016	72260	0983	PICKUP	1	14.93	3.00		\$44.79		
3/28/2017	72346	2527	ALLEN JORDAN	3	16.34	3.00	\$49.04			
3/28/2017	72346	1044	EXCAVATOR--2015 CAT 304E	1	102.59	3.00		\$307.77		
3/28/2017	72346	1000	TRAILER--2009	1	12.47	3.00		\$37.41		
3/28/2017	72346	1001	DUMP TRUCK--2010	1	49.36	3.00		\$148.08		
3/28/2017	72346	1491	NAIL JAMES	3	22.71	3.00	\$68.13			
3/28/2017	72346	1068	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.43		
Road ID - 000232- BUZZARD ROCK ROAD										

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002-1BOW MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road Id - 000232- BUZZARD ROCK ROAD										
Activity Id 258 Blading										
Road District -4										
12/9/2016	72261	2521	HILL AMOS	3	20.27	1.50	\$30.41			
12/9/2016	72261	1043	BACKHOE-2013 CAT 40F	1	61.73	1.50		\$92.60		
12/9/2016	72261	2512	SHEELER DAVID	3	16.77	1.50	\$25.16			
12/9/2016	72261	1069	DUMP TRUCK-2016 MACK	1	104.81	1.50		\$157.22		
12/9/2016	72261	0679	KELLEY DONALD R	3	30.17	1.50	\$45.26			
12/9/2016	72261	0983	PICKUP	1	14.93	1.50		\$22.40		
12/9/2016	72261	2527	ALLEN JORDAN	3	16.58	1.50	\$24.37			
12/9/2016	72261	1040	BACKHOE-2013 CAT 40F	1	61.73	1.50		\$92.60		
12/9/2016	72261	1491	NAIL JAMES	3	22.43	1.50	\$33.65			
12/9/2016	72261	1068	DUMP TRUCK-2016 MACK	1	104.81	1.50		\$157.22		
12/9/2016	72261	1217	NORTON STEVE A	3	23.92	1.50	\$35.88			
12/9/2016	72261	1052	EXCAVATOR-WHEELED	1	148.69	1.50		\$221.04		
12/9/2016	72261	1581	SALERS WILLIAM R	3	21.62	1.50	\$32.43			
12/9/2016	72261	1020	DUMP TRUCK-2003	1	45.15	1.50		\$67.73		
12/9/2016	72261	1144	HEAD ERIC W	3	24.00	1.50	\$36.00			
12/9/2016	72261	0952	DUMP TRUCK-FLATBED	1	45.41	1.50		\$68.12		
12/9/2016	72261	1524	KUSHN RICHARD A	3	27.75	1.50	\$41.63			
12/9/2016	72261	1055	PICKUP-2012 FORD F150	1	18.59	1.50		\$27.89		
Road Id - 000244- CAMPBELL GAP ROAD										
Activity Id 258 Blading										
Road District -2										
12/1/2016	72252	0027	BRYANT JERRY A	3	29.89	1.00	\$89.67			
12/1/2016	72252	0997	DUMP TRUCK-2008	1	47.19	1.00		\$141.17		
12/1/2016	72252	1809	PERKINS ROGER L	3	21.49	1.00	\$64.47			
12/1/2016	72252	1000	DUMP TRUCK-2006	1	46.55	1.00		\$139.65		
12/1/2016	72252	2528	CATLING LEVAR	3	18.81	1.00	\$56.43			
12/1/2016	72252	0943	PICKUP-2001 DODGE RAM	1	15.79	1.00		\$41.37		
12/1/2016	72252	1042	BACKHOE-2013 CAT 40F	1	61.73	1.00		\$185.19		
1/13/2017	72286	0027	BRYANT JERRY A	3	30.20	1.00	\$90.60			
1/13/2017	72286	0997	DUMP TRUCK-2008	1	49.36	1.00		\$148.08		
1/13/2017	72286	1041	BACKHOE-2013 CAT 40F	1	61.73	1.00		\$185.19		
1/13/2017	72286	2507	GRANGER BRUCE	3	18.84	1.00	\$56.52			
1/13/2017	72286	0981	PICKUP	1	18.86	1.00		\$56.58		
1/13/2017	72286	1809	PERKINS ROGER L	3	21.78	1.00	\$65.34			
1/13/2017	72286	1065	DUMP TRUCK-2016 MACK	1	104.81	1.00		\$314.43		
2/1/2017	72298	1259	FROST RANDALL C	3	30.54	1.00	\$91.62			
2/1/2017	72298	0997	DUMP TRUCK-2008	1	49.36	1.00		\$148.08		
2/1/2017	72298	1809	PERKINS ROGER L	3	21.78	1.00	\$65.34			
2/1/2017	72298	1029	DUMP TRUCK-2006	1	49.36	1.00		\$148.08		
2/1/2017	72298	2507	GRANGER BRUCE	3	18.84	1.00	\$56.52			
2/1/2017	72298	0981	PICKUP	1	18.86	1.00		\$56.58		
2/16/2017	72311	0027	BRYANT JERRY A	3	30.20	1.00	\$90.60			
2/16/2017	72311	0998	DUMP TRUCK-2008 GMC	1	49.36	1.00		\$148.08		
2/16/2017	72311	1809	PERKINS ROGER L	3	21.78	1.00	\$65.34			
2/16/2017	72311	1029	DUMP TRUCK-2006	1	49.36	1.00		\$148.08		
2/16/2017	72311	1041	BACKHOE-2013 CAT 40F	1	61.73	1.00		\$185.19		
2/16/2017	72311	1259	FROST RANDALL C	3	30.54	1.00	\$91.62			
2/16/2017	72311	1054	PICKUP-2012 FORD F150	1	18.86	1.00		\$56.58		
Road Id - 000221- COALBED HOLLOW RD										
Activity Id 258 Blading										
Road District -2										
11/3/2016	72233	1130	GUTSBERY THOMAS	3	20.95	10.00	\$209.50			
11/3/2016	72233	1053	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
11/3/2016	72233	2515	STOWERS SHEA	3	20.48	10.00	\$204.80			
11/3/2016	72233	1029	DUMP TRUCK-2006	1	46.35	10.00		\$463.50		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002180W MAINTENANCE-DRAINAGE-DITCH/SHOULDER										
Road Id - 000321- COALBED HOLLOW RD										
Activity Id -250 Ditching										
Road District -2										
11/7/2016	72233	2126	CARROLL MARCUS	3	17.83	10.00	\$178.30			
11/7/2016	72233	0806	PICKUP	1	13.79	10.00		\$137.90		
Road Id - 000322- COATS BEND CIRCLE										
Activity Id -250 Ditching										
Road District -2										
10/27/2016	72221	0027	BRYANT JERRY A	3	29.89	3.00	\$89.67			
10/27/2016	72221	0997	DUMP TRUCK-2008	1	47.19	3.00		\$141.57		
10/27/2016	72221	1488	DUTTON CLAUDE C	3	18.40	3.00	\$55.20			
10/27/2016	72221	1064	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.43		
10/27/2016	72221	1042	BACKHOE-2015 CAT 430F	1	61.73	4.00		\$246.92		
Road Id - 000339- COLVIN GAP ROAD										
Activity Id -250 Ditching										
Road District -1										
1/30/2017	72295	0027	BRYANT JERRY A	3	30.20	3.00	\$90.60			
1/30/2017	72295	0997	DUMP TRUCK-2008	1	49.36	3.00		\$148.08		
1/30/2017	72295	1809	PERKINS ROGER L	3	21.78	3.00	\$65.34			
1/30/2017	72295	1029	DUMP TRUCK-2006	1	49.36	3.00		\$148.08		
1/30/2017	72295	2307	GRANGER BRUCE	3	18.84	3.00	\$56.52			
1/30/2017	72295	0943	PICKUP-2001 DODGE RAM	1	14.42	3.00		\$43.26		
1/30/2017	72295	2123	SEARS MARQUETTE	3	16.54	3.00	\$49.62			
1/30/2017	72295	1041	BACKHOE-2015 CAT 430F	1	61.73	3.00		\$185.19		
2/6/2017	72302	1117	WASHINGTON ROBERT E	3	27.93	3.00	\$83.79			
2/6/2017	72302	1005	TRUCK-2007 FORD F150	1	18.86	3.00		\$56.58		
2/6/2017	72302	0027	BRYANT JERRY A	3	30.20	3.00	\$90.60			
2/6/2017	72302	0997	DUMP TRUCK-2008	1	49.36	3.00		\$148.08		
2/6/2017	72302	2313	STOWERS SHEA	3	20.62	3.00	\$61.86			
2/6/2017	72302	1016	BROOM	1	41.06	3.00		\$123.18		
2/6/2017	72302	1809	PERKINS ROGER L	3	21.78	3.00	\$65.34			
2/6/2017	72302	1029	DUMP TRUCK-2006	1	49.36	3.00		\$148.08		
2/6/2017	72302	2307	GRANGER BRUCE	3	18.84	3.00	\$56.52			
2/6/2017	72302	0981	PICKUP	1	18.86	3.00		\$56.58		
2/6/2017	72302	2128	CATLING LEVAR	3	19.01	3.00	\$57.03			
2/6/2017	72302	1041	BACKHOE-2015 CAT 430F	1	61.73	3.00		\$185.19		
3/28/2017	72321	1259	FROST RANDALL C	3	30.54	10.00	\$305.40			
3/28/2017	72321	1054	PICKUP-2012 FORD F150	1	18.86	10.00		\$188.60		
3/28/2017	72321	0027	BRYANT JERRY A	3	30.20	10.00	\$302.00			
3/28/2017	72321	0997	DUMP TRUCK-2008	1	49.36	10.00		\$493.60		
3/28/2017	72321	1042	BACKHOE-2015 CAT 430F	1	61.73	10.00		\$617.30		
3/28/2017	72321	1809	PERKINS ROGER L	3	21.78	10.00	\$217.80			
3/28/2017	72321	1065	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
3/28/2017	72321	1110	MCGATHA CHARLES K	3	24.22	10.00	\$242.20			
3/28/2017	72321	0981	PICKUP	1	18.86	10.00		\$188.60		
3/28/2017	72321	1201	TURNER ADRIAN J	3	24.20	10.00	\$242.00			
Road Id - 000370- COVE SPRINGS ROAD										
Activity Id -250 Ditching										
Road District -4										
10/31/2016	72236	1217	NORTON STEVE A	3	23.92	5.00	\$119.60			
10/31/2016	72236	1052	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
10/31/2016	72236	1381	SAJERS WILLIAM R	3	21.62	5.00	\$108.10			
10/31/2016	72236	1029	DUMP TRUCK-2003	1	45.15	5.00		\$225.75		
10/31/2016	72236	1324	KUBIN RICHARD A	3	27.75	5.00	\$138.75			
10/31/2016	72236	1055	PICKUP-2012 FORD F150	1	18.59	5.00		\$92.95		
10/31/2016	72236	1144	HEARD ERIC W	3	24.80	5.00	\$122.00			
10/31/2016	72236	1067	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
Road Id - 000375- COX GAP ROAD										

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Date	DJM	ID	Description	Rate ID	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project ID - 26-002-1BOW MAINTENANCE-DRAINAGE-DITCH/SHOULDER										
Road ID - 000375- COX GAP ROAD										
Activity ID 350 Ditching										
Road District -3										
12/19/2016	72265	2527	ALLEN JORDAN	3	16.38	2.00	\$32.76			
12/19/2016	72265	1040	BACKHOE-2015 CAT 430F	1	61.73	2.00		\$123.46		
12/19/2016	72265	1000	TRAILER-2009	1	12.47	2.00		\$24.94		
12/19/2016	72265	1001	DUMP TRUCK-2010	1	47.93	2.00		\$95.86		
12/19/2016	72265	1491	NAIL JAMES	3	22.43	2.00	\$44.86			
12/19/2016	72265	1068	DUMP TRUCK-2016 MACK	1	104.81	2.00		\$209.62		
12/19/2016	72265	2521	HILL AMOS	3	20.27	2.00	\$40.54			
12/19/2016	72265	1043	BACKHOE-2015 CAT 430F	1	61.73	2.00		\$123.46		
12/19/2016	72265	2312	SREELER DAVID	3	16.77	2.00	\$33.54			
12/19/2016	72265	1069	DUMP TRUCK-2016 MACK	1	104.81	2.00		\$209.62		
12/19/2016	72265	1217	NORTON STEVE A	3	23.92	2.00	\$47.84			
12/19/2016	72265	1052	EXCAVATOR-WHEELED	1	148.69	2.00		\$297.38		
12/19/2016	72265	1581	SALERS WILLIAM R	3	21.62	2.00	\$43.24			
12/19/2016	72265	1020	DUMP TRUCK-2005	1	45.15	2.00		\$90.30		
12/19/2016	72265	1344	HEARD ERIC W	3	24.40	2.00	\$48.80			
12/19/2016	72265	1067	DUMP TRUCK-2016 MACK	1	104.81	2.00		\$209.62		
12/21/2016	72267	2527	ALLEN JORDAN	3	16.38	3.00	\$49.14			
12/21/2016	72267	1040	BACKHOE-2015 CAT 430F	1	61.73	3.00		\$185.19		
12/21/2016	72267	1000	TRAILER-2009	1	12.47	3.00		\$37.41		
12/21/2016	72267	1001	DUMP TRUCK-2010	1	47.93	3.00		\$143.79		
12/21/2016	72267	1491	NAIL JAMES	3	22.43	3.00	\$67.29			
12/21/2016	72267	1068	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.43		
3/30/2017	72348	1524	KUBIN RICHARD A	3	27.90	2.50	\$69.75			
3/30/2017	72348	1055	PICKUP-2012 FORD F150	1	18.86	2.50		\$47.15		
3/30/2017	72348	2527	ALLEN JORDAN	3	16.54	2.50	\$41.36			
3/30/2017	72348	1040	BACKHOE-2015 CAT 430F	1	61.73	2.50		\$154.33		
3/30/2017	72348	2512	SREELER DAVID	3	16.92	2.50	\$42.30			
3/30/2017	72348	1072	TRUCK-2011 FORD F350	1	24.57	2.50		\$61.43		
3/30/2017	72348	1000	TRAILER-2009	1	12.47	2.50		\$31.18		
3/30/2017	72348	1001	DUMP TRUCK-2010	1	49.36	2.50		\$123.40		
3/30/2017	72348	1491	NAIL JAMES	3	22.71	2.50	\$56.78			
Road ID - 000377- CRANE CIRCLE										
Activity ID 350 Ditching										
Road District -2										
12/7/2016	72256	2526	CARROLL MARCUS	3	17.83	1.00	\$17.83			
12/7/2016	72256	0998	DUMP TRUCK-2008 GMC	1	47.19	1.00		\$47.19		
12/7/2016	72256	2905	GRISON ADAM	3	19.60	1.00	\$19.60			
12/7/2016	72256	1029	DUMP TRUCK-2006	1	46.33	1.00		\$46.33		
12/7/2016	72256	2523	SEARS MARQUETTE	3	16.41	1.00	\$16.41			
12/7/2016	72256	0981	PICKUP	1	18.31	1.00		\$18.31		
12/7/2016	72256	1530	GUTHERY THOMAS	3	20.95	1.00	\$20.95			
12/7/2016	72256	1053	EXCAVATOR-WHEELED	1	148.69	1.00		\$148.69		
12/7/2016	72256	1448	DUTTON CLAUDE C	3	18.40	1.00	\$18.40			
12/7/2016	72256	1064	DUMP TRUCK-2016 MACK	1	104.81	1.00		\$104.81		
12/7/2016	72256	2515	STOWERS SHELA	3	20.48	1.00	\$20.48			
12/7/2016	72256	1031	TRUCK-2008 FORD F450	1	27.92	1.00		\$27.92		
12/7/2016	72256	1041	BACKHOE-2015 CAT 430F	1	61.73	1.00		\$61.73		
12/7/2016	72256	2528	CATTLING LEVAR	3	18.81	1.00	\$18.81			
12/7/2016	72256	2534	WHIN TOMMY L	3	16.05	1.00	\$16.05			
Road ID - 000391- CROSBY ROAD										
Activity ID 350 Ditching										
Road District -4										
1/9/2017	72280	1491	NAIL JAMES	3	22.71	2.50	\$56.78			
1/9/2017	72280	1068	DUMP TRUCK-2016 MACK	1	104.81	2.50		\$262.03		
1/9/2017	72280	2527	ALLEN JORDAN	3	16.54	2.50	\$41.36			

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Date	DD Id	ID	Description	Rate Id	Rate	Units	Emp Cost	Eqs Cost	Mat Cost	Con Cost
Project Id - 28-092-EROW MAINTENANCE-DRAINAGE,DITCH,SHOULDER										
Road Id - 000391- CROSBY ROAD										
Activity Id 350 Ditching										
Road District -4										
1/5/2017	72280	1046	BACKHOE-2013 CAT 430F	1	61.73	2.50		\$154.33		
1/5/2017	72280	1000	TRAILER-2009	1	12.47	2.50		\$31.18		
1/5/2017	72280	1001	DUMP TRUCK-2010	1	49.36	2.50		\$123.40		
Road Id - 000421- DEE HICKS ROAD										
Activity Id 350 Ditching										
Road District -4										
1/19/2017	72288	1217	NORTON STEVE A	3	34.20	3.00	\$121.00			
1/19/2017	72288	1052	EXCAVATOR-WHEELED	1	148.69	3.00		\$743.45		
1/19/2017	72288	1181	SALERS WILLIAM R	3	21.90	3.00	\$109.50			
1/19/2017	72288	0952	DUMP TRUCK-FLATBED	1	49.36	3.00		\$246.80		
1/19/2017	72288	1144	HEARD ERIC W	3	24.69	4.00	\$98.76			
1/19/2017	72288	1067	DUMP TRUCK-2016 MACK	1	104.81	4.00		\$419.24		
1/24/2017	72291	1217	NORTON STEVE A	3	34.20	3.00	\$121.00			
1/24/2017	72291	1052	EXCAVATOR-WHEELED	1	148.69	3.00		\$743.45		
1/24/2017	72291	1181	SALERS WILLIAM R	3	21.90	3.00	\$109.50			
1/24/2017	72291	0952	DUMP TRUCK-FLATBED	1	49.36	3.00		\$246.80		
1/24/2017	72291	1144	HEARD ERIC W	3	24.69	3.00	\$123.45			
1/24/2017	72291	1067	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$324.05		
1/25/2017	72292	1217	NORTON STEVE A	3	34.20	10.00	\$342.00			
1/25/2017	72292	1052	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
1/25/2017	72292	1181	SALERS WILLIAM R	3	21.90	10.00	\$219.00			
1/25/2017	72292	0952	DUMP TRUCK-FLATBED	1	49.36	10.00		\$493.60		
1/25/2017	72292	1144	HEARD ERIC W	3	24.69	10.00	\$246.90			
1/25/2017	72292	1067	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
1/26/2017	72293	1217	NORTON STEVE A	3	34.20	10.00	\$342.00			
1/26/2017	72293	1052	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
1/26/2017	72293	1181	SALERS WILLIAM R	3	21.90	10.00	\$219.00			
1/26/2017	72293	0952	DUMP TRUCK-FLATBED	1	49.36	10.00		\$493.60		
1/26/2017	72293	1144	HEARD ERIC W	3	24.69	10.00	\$246.90			
1/26/2017	72293	1067	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
1/30/2017	72295	1217	NORTON STEVE A	3	34.20	3.00	\$121.00			
1/30/2017	72295	1052	EXCAVATOR-WHEELED	1	148.69	3.00		\$743.45		
1/30/2017	72295	1144	HEARD ERIC W	3	24.69	3.00	\$123.45			
1/30/2017	72295	1067	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$324.05		
1/30/2017	72295	2132	SHIELER DAVID	3	16.92	3.00	\$50.76			
1/30/2017	72295	1069	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$324.05		
1/31/2017	72296	1217	NORTON STEVE A	3	34.20	3.00	\$72.60			
1/31/2017	72296	1052	EXCAVATOR-WHEELED	1	148.69	3.00		\$446.07		
1/31/2017	72296	1144	HEARD ERIC W	3	24.69	3.00	\$74.07			
1/31/2017	72296	1067	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.43		
1/31/2017	72296	2132	SHIELER DAVID	3	16.92	3.00	\$50.76			
1/31/2017	72296	1069	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.43		
Road Id - 000422- DEE NIX ROAD										
Activity Id 350 Ditching										
Road District -4										
12/14/2016	72261	2521	HILL AMOS	3	20.27	1.50	\$30.41			
12/14/2016	72261	1043	BACKHOE-2015 CAT 430F	1	61.73	1.50		\$92.60		
12/14/2016	72261	2132	SHIELER DAVID	3	16.77	1.50	\$25.16			
12/14/2016	72261	1069	DUMP TRUCK-2016 MACK	1	104.81	1.50		\$157.22		
12/14/2016	72261	0679	KELLEY DONALD JR	3	30.17	1.50	\$45.26			
12/14/2016	72261	0983	PICKUP	1	14.93	1.50		\$22.40		
12/14/2016	72261	2527	ALLEN JORDAN	3	16.38	1.50	\$24.57			
12/14/2016	72261	1040	BACKHOE-2015 CAT 430F	1	61.73	1.50		\$92.60		
12/14/2016	72261	1491	NAIL JAMES	3	22.43	1.50	\$33.65			
12/14/2016	72261	1068	DUMP TRUCK-2016 MACK	1	104.81	1.50		\$157.22		

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Date	BJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002-190W MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road Id - 000422- DEE NIX ROAD										
Activity Id -J50 Ditching										
Road District -4										
12/14/2016	72261	1217	NORTON STEVE A	3	23.92	1.50	\$35.88			
12/14/2016	72261	1032	EXCAVATOR--WHEELED	1	148.69	1.50		\$223.04		
12/14/2016	72261	1581	SALERS WILLIAM R	3	21.62	1.50	\$32.43			
12/14/2016	72261	1030	DUMP TRUCK--2003	1	45.15	1.50		\$67.73		
12/14/2016	72261	1144	HEARD ERIC W	3	24.40	1.50	\$36.60			
12/14/2016	72261	0952	DUMP TRUCK--FLATBED	1	45.41	1.50		\$68.12		
12/14/2016	72261	1524	KUBEN RICHARD A	3	27.75	1.50	\$41.63			
12/14/2016	72261	1035	PICKUP--2012 FORD F150	1	18.99	1.50		\$27.89		
12/15/2016	72262	1491	NAIL JAMES	3	22.43	4.00	\$89.72			
12/15/2016	72262	1068	DUMP TRUCK--2016 MACK	1	104.81	4.00		\$419.24		
12/15/2016	72262	2127	ALLEN JORDAN	3	16.38	4.00	\$65.52			
12/15/2016	72262	1040	BACKHOE--2013 CAT 40B	1	61.73	4.00		\$246.92		
12/15/2016	72262	1000	TRAILER--2009	1	12.47	4.00		\$49.88		
12/15/2016	72262	1001	DUMP TRUCK--2010	1	47.93	4.00		\$191.72		
12/19/2016	72265	2127	ALLEN JORDAN	3	16.38	2.00	\$32.76			
12/19/2016	72265	1040	BACKHOE--2013 CAT 40B	1	61.73	2.00		\$123.46		
12/19/2016	72265	1000	TRAILER--2009	1	12.47	2.00		\$24.94		
12/19/2016	72265	1001	DUMP TRUCK--2010	1	47.93	2.00		\$95.86		
12/19/2016	72265	1491	NAIL JAMES	3	22.43	2.00	\$44.86			
12/19/2016	72265	1068	DUMP TRUCK--2016 MACK	1	104.81	2.00		\$209.62		
12/19/2016	72265	2121	HELL AMOS	3	20.27	2.00	\$40.54			
12/19/2016	72265	1043	BACKHOE--2013 CAT 40B	1	61.73	2.00		\$123.46		
12/19/2016	72265	2112	SHEELER DAVID	3	16.77	2.00	\$33.54			
12/19/2016	72265	1069	DUMP TRUCK--2016 MACK	1	104.81	2.00		\$209.62		
12/19/2016	72265	1217	NORTON STEVE A	3	23.92	2.00	\$47.84			
12/19/2016	72265	1052	EXCAVATOR--WHEELED	1	148.69	2.00		\$297.38		
12/19/2016	72265	1581	SALERS WILLIAM R	3	21.62	2.00	\$43.24			
12/19/2016	72265	1030	DUMP TRUCK--2003	1	45.15	2.00		\$90.30		
12/19/2016	72265	1144	HEARD ERIC W	3	24.40	2.00	\$48.80			
12/19/2016	72265	1067	DUMP TRUCK--2016 MACK	1	104.81	2.00		\$209.62		
Road Id - 000452- DOUBLE A CIRCLE										
Activity Id -J50 Ditching										
Road District -3										
1/3/2017	72273	0679	KELLEY DONALD R	3	30.45	2.00	\$60.90			
1/3/2017	72273	0983	PICKUP	1	14.93	2.00		\$29.86		
1/3/2017	72273	2132	HUFF WALTER B	3	18.67	2.00	\$37.34			
1/3/2017	72273	0933	PICKUP	1	18.07	2.00		\$36.14		
1/3/2017	72273	2126	CARROLL MARCUS	3	18.38	2.00	\$36.76			
1/3/2017	72273	1040	BACKHOE--2013 CAT 40B	1	61.73	2.00		\$123.46		
1/3/2017	72273	2115	STOWERS SHEA	3	20.62	2.00	\$41.24			
1/3/2017	72273	1030	DUMP TRUCK--2003	1	45.15	2.00		\$90.30		
1/3/2017	72273	1000	TRAILER--2009	1	12.47	2.00		\$24.94		
1/3/2017	72273	1001	DUMP TRUCK--2010	1	47.93	2.00		\$95.86		
1/3/2017	72273	2134	WINN TOMMY L	3	16.19	2.00	\$32.38			
Road Id - 000457- DUCK SPRINGS ROAD										
Activity Id -J50 Ditching										
Road District -3										
12/13/2016	72260	2121	HELL AMOS	3	20.27	3.00	\$60.81			
12/13/2016	72260	1043	BACKHOE--2013 CAT 40B	1	61.73	3.00		\$185.19		
12/13/2016	72260	2112	SHEELER DAVID	3	16.77	3.00	\$50.31			
12/13/2016	72260	1069	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.43		
12/13/2016	72260	0679	KELLEY DONALD R	3	30.17	3.00	\$90.51			
12/13/2016	72260	0983	PICKUP	1	14.93	3.00		\$44.79		
12/15/2016	72262	2121	HELL AMOS	3	20.27	4.00	\$81.08			
12/15/2016	72262	1043	BACKHOE--2013 CAT 40B	1	61.73	4.00		\$246.92		

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Date	Dd Id	M	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002-EROW MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road Id - 000457- DUCK SPRINGS ROAD										
Activity Id 050 Ditching										
Road District -3										
12/15/2016	72262	0679	KELLEY DONALD R	3	30.17	4.00	\$120.68			
12/15/2016	72262	0983	PICKUP	1	14.93	4.00		\$59.72		
12/15/2016	72262	2102	SHEELER DAVID	3	16.77	4.00	\$67.08			
12/15/2016	72262	1069	DUMP TRUCK-2016 MACK	1	104.81	4.00		\$419.24		
Road Id - 000475- EGYPT MOUNTAIN ROAD										
Activity Id 050 Ditching										
Road District -3										
3/16/2017	72311	1217	NORTON STEVE A	3	24.20	3.00	\$72.60			
3/16/2017	72311	1052	EXCAVATOR-WHEELED	1	148.69	3.00		\$446.07		
3/16/2017	72311	1144	HEARD ERIC W	3	24.69	3.00	\$74.07			
3/16/2017	72311	1067	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.43		
3/20/2017	72314	1217	NORTON STEVE A	3	24.20	5.00	\$121.00			
3/20/2017	72314	1052	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
3/20/2017	72314	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			
3/20/2017	72314	1067	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
3/20/2017	72314	1324	KUHN RICHARD A	3	27.90	5.00	\$139.50			
3/20/2017	72314	1055	PICKUP-2012 FORD F150	1	18.86	5.00		\$94.30		
3/21/2017	72315	1217	NORTON STEVE A	3	24.20	5.00	\$121.00			
3/21/2017	72315	1052	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
3/21/2017	72315	1381	SALERS WILLIAM R	3	21.90	5.00	\$109.50			
3/21/2017	72315	0952	DUMP TRUCK-FLATBED	1	49.36	5.00		\$246.80		
3/21/2017	72315	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			
3/21/2017	72315	1067	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
3/21/2017	72315	1324	KUHN RICHARD A	3	27.90	5.00	\$139.50			
3/21/2017	72315	1055	PICKUP-2012 FORD F150	1	18.86	5.00		\$94.30		
3/22/2017	72316	1217	NORTON STEVE A	3	24.20	10.00	\$242.00			
3/22/2017	72316	1052	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
3/22/2017	72316	1144	HEARD ERIC W	3	24.69	10.00	\$246.90			
3/22/2017	72316	1067	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
3/22/2017	72316	1381	SALERS WILLIAM R	3	21.90	10.00	\$219.00			
3/22/2017	72316	0952	DUMP TRUCK-FLATBED	1	49.36	10.00		\$493.60		
3/22/2017	72316	1324	KUHN RICHARD A	3	27.90	10.00	\$279.00			
3/22/2017	72316	1055	PICKUP-2012 FORD F150	1	18.86	10.00		\$188.60		
3/23/2017	72317	1144	HEARD ERIC W	3	24.69	9.00	\$222.21			
3/23/2017	72317	1067	DUMP TRUCK-2016 MACK	1	104.81	9.00		\$943.29		
3/23/2017	72317	1217	NORTON STEVE A	3	24.20	10.00	\$242.00			
3/23/2017	72317	1052	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
3/23/2017	72317	1381	SALERS WILLIAM R	3	21.90	10.00	\$219.00			
3/23/2017	72317	0952	DUMP TRUCK-FLATBED	1	49.36	10.00		\$493.60		
3/23/2017	72317	1324	KUHN RICHARD A	3	27.90	10.00	\$279.00			
3/23/2017	72317	1055	PICKUP-2012 FORD F150	1	18.86	10.00		\$188.60		
Road Id - 000476- EGYPT ROAD										
Activity Id 050 Ditching										
Road District -3										
3/9/2017	72305	1217	NORTON STEVE A	3	24.20	3.00	\$121.00			
3/9/2017	72305	1052	EXCAVATOR-WHEELED	1	148.69	3.00		\$743.45		
3/9/2017	72305	1381	SALERS WILLIAM R	3	21.90	3.00	\$109.50			
3/9/2017	72305	0952	DUMP TRUCK-FLATBED	1	49.36	3.00		\$246.80		
3/9/2017	72305	1144	HEARD ERIC W	3	24.69	3.00	\$123.45			
3/9/2017	72305	1067	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$524.05		
3/13/2017	72308	1217	NORTON STEVE A	3	24.20	10.00	\$242.00			
3/13/2017	72308	1052	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
3/13/2017	72308	1381	SALERS WILLIAM R	3	21.90	10.00	\$219.00			
3/13/2017	72308	0952	DUMP TRUCK-FLATBED	1	49.36	10.00		\$493.60		
3/13/2017	72308	1144	HEARD ERIC W	3	24.69	10.00	\$246.90			

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqs Cost	Mat Cost	Con Cost
Project Id - 28-002-180W MAINTENANCE-DRAINAGE-DITCH/SHOULDER										
Road Id - 000476- EGYPT ROAD										
Activity Id -358 Ditching										
Road District -3										
3/13/2017	72308	1067	DUMP TRUCK--2006 MACK	1	104.81	10.00		\$1,048.10		
3/13/2017	72308	1524	KUBEN RICHARD A	3	27.90	10.00	\$279.00			
3/13/2017	72308	1055	PICKUP--2012 FORD F150	1	18.86	10.00		\$188.60		
3/21/2017	72340	0679	KELLEY DONALD R	3	30.45	1.00	\$30.45			
3/21/2017	72340	0983	PICKUP	1	15.43	1.00		\$15.43		
3/21/2017	72340	2527	ALLEN JORDAN	3	16.54	1.00	\$16.54			
3/21/2017	72340	1043	BACKHOE--2015 CAT 430F	1	61.73	1.00		\$61.73		
3/21/2017	72340	2531	MAYS JIMMY R	3	16.54	1.00	\$16.54			
3/21/2017	72340	1028	DUMP TRUCK--2005 FORD	1	39.15	1.00		\$39.15		
3/21/2017	72340	1491	NAIL JAMES	3	22.71	1.00	\$22.71			
3/21/2017	72340	1068	DUMP TRUCK--2006 MACK	1	104.81	1.00		\$104.81		
3/21/2017	72340	1000	TRAILER--2009	1	12.47	1.00		\$12.47		
3/21/2017	72340	1001	DUMP TRUCK--2010	1	49.36	1.00		\$49.36		
3/21/2017	72340	2512	WHEELER DAVID	3	16.92	1.00	\$16.92			
Road Id - 000480- ELLIOTT ROAD										
Activity Id -358 Ditching										
Road District -2										
6/08/2017	72287	1530	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
6/08/2017	72287	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
6/08/2017	72287	2523	SEARS MARQUETTE	3	16.54	3.00	\$82.70			
6/08/2017	72287	1024	ASPHALT PATCHER--2003	1	44.56	5.00		\$222.80		
6/08/2017	72287	2528	CATTLING LEVAR	3	19.01	5.00	\$95.05			
6/08/2017	72287	1004	TRUCK-PICK UP FLAT CREW	1	26.78	5.00		\$133.90		
6/09/2017	72288	1530	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
6/09/2017	72288	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
6/09/2017	72288	2523	SEARS MARQUETTE	3	16.54	3.00	\$82.70			
6/09/2017	72288	1029	DUMP TRUCK--2006	1	49.36	5.00		\$246.80		
6/09/2017	72288	2528	CATTLING LEVAR	3	19.01	5.00	\$95.05			
6/09/2017	72288	1004	TRUCK-PICK UP FLAT CREW	1	26.78	5.00		\$133.90		
Road Id - 000491- ESTES ROAD										
Activity Id -358 Ditching										
Road District -2										
12/8/2016	72257	1530	GUTHERY THOMAS	3	20.95	4.00	\$83.80			
12/8/2016	72257	1053	EXCAVATOR--WHEELED	1	148.69	4.00		\$594.76		
12/8/2016	72257	1468	DUTTON CLAUDE C	3	18.40	4.00	\$73.60			
12/8/2016	72257	1066	DUMP TRUCK--2006 MACK	1	104.81	4.00		\$419.24		
12/8/2016	72257	2523	SEARS MARQUETTE	3	16.41	4.00	\$65.64			
12/8/2016	72257	1031	TRUCK--2008 FORD F450	1	27.92	4.00		\$111.68		
12/8/2016	72257	2515	STOWERS SHEA	3	20.48	2.00	\$40.96			
12/12/2016	72259	1530	GUTHERY THOMAS	3	20.95	5.00	\$104.75			
12/12/2016	72259	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
12/12/2016	72259	1468	DUTTON CLAUDE C	3	18.40	5.00	\$92.00			
12/12/2016	72259	1064	DUMP TRUCK--2006 MACK	1	104.81	5.00		\$524.05		
12/12/2016	72259	2515	STOWERS SHEA	3	20.48	5.00	\$102.40			
12/12/2016	72259	1031	TRUCK--2008 FORD F450	1	27.92	1.00		\$27.92		
12/12/2016	72259	2523	SEARS MARQUETTE	3	16.41	5.00	\$82.05			
6/26/2017	72293	2526	CARROLL MARCUS	3	18.38	3.00	\$15.34			
6/26/2017	72293	0998	DUMP TRUCK--2008 GMC	1	49.36	3.00		\$148.08		
6/26/2017	72293	2528	CATTLING LEVAR	3	19.01	3.00	\$57.03			
6/26/2017	72293	0981	PICKUP	1	18.86	3.00		\$56.58		
6/26/2017	72293	2507	GRANGER BRUCE	3	18.84	3.00	\$56.52			
6/26/2017	72293	1042	BACKHOE--2015 CAT 430F	1	61.73	3.00		\$185.19		
Road Id - 000498- FAIRVIEW COVE ROAD										
Activity Id -358 Ditching										
Road District -4										

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-092-180W MAINTENANCE-DRAINAGE,DITCH&SHOULDER										
Road Id - 000498 - FAIRVIEW COVE ROAD										
Activity Id - 258 Ditching										
Road District - 4										
11/14/2016	72238	1217	NORTON STEVE A	3	23.92	10.00	\$239.20			
11/14/2016	72238	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
11/14/2016	72238	1144	HEARD ERIC W	3	24.40	10.00	\$244.00			
11/14/2016	72238	1067	DUMP TRUCK--2005 MACK	1	194.81	10.00		\$1,948.10		
11/14/2016	72238	1581	SALERS WILLIAM R	3	21.62	10.00	\$216.20			
11/14/2016	72238	1020	DUMP TRUCK--2005	1	45.15	10.00		\$451.50		
11/14/2016	72238	1524	KUHN RICHARD A	3	27.75	10.00	\$277.50			
11/14/2016	72238	1055	PICKUP--2012 FORD F150	1	18.59	10.00		\$185.90		
11/16/2016	72240	1217	NORTON STEVE A	3	23.92	10.00	\$239.20			
11/16/2016	72240	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
11/16/2016	72240	1144	HEARD ERIC W	3	24.40	10.00	\$244.00			
11/16/2016	72240	0952	DUMP TRUCK--FLATBED	1	45.41	10.00		\$454.10		
11/16/2016	72240	1581	SALERS WILLIAM R	3	21.62	10.00	\$216.20			
11/16/2016	72240	1020	DUMP TRUCK--2005	1	45.15	10.00		\$451.50		
11/16/2016	72240	1524	KUHN RICHARD A	3	27.75	10.00	\$277.50			
11/16/2016	72240	1055	PICKUP--2012 FORD F150	1	18.59	10.00		\$185.90		
11/17/2016	72241	1524	KUHN RICHARD A	3	27.75	6.00	\$166.50			
11/17/2016	72241	1055	PICKUP--2012 FORD F150	1	18.59	6.00		\$111.54		
11/17/2016	72241	1217	NORTON STEVE A	3	23.92	10.00	\$239.20			
11/17/2016	72241	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
11/17/2016	72241	1581	SALERS WILLIAM R	3	21.62	10.00	\$216.20			
11/17/2016	72241	1020	DUMP TRUCK--2005	1	45.15	10.00		\$451.50		
11/28/2016	72248	1217	NORTON STEVE A	3	23.92	10.00	\$239.20			
11/28/2016	72248	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
11/28/2016	72248	1144	HEARD ERIC W	3	24.40	10.00	\$244.00			
11/28/2016	72248	0952	DUMP TRUCK--FLATBED	1	45.41	10.00		\$454.10		
11/28/2016	72248	1581	SALERS WILLIAM R	3	21.62	10.00	\$216.20			
11/28/2016	72248	1020	DUMP TRUCK--2005	1	45.15	10.00		\$451.50		
11/28/2016	72248	1524	KUHN RICHARD A	3	27.75	10.00	\$277.50			
11/28/2016	72248	1055	PICKUP--2012 FORD F150	1	18.59	10.00		\$185.90		
11/29/2016	72249	1217	NORTON STEVE A	3	23.92	10.00	\$239.20			
11/29/2016	72249	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
11/29/2016	72249	1581	SALERS WILLIAM R	3	21.62	10.00	\$216.20			
11/29/2016	72249	1020	DUMP TRUCK--2005	1	45.15	10.00		\$451.50		
11/29/2016	72249	1144	HEARD ERIC W	3	24.40	10.00	\$244.00			
11/29/2016	72249	0952	DUMP TRUCK--FLATBED	1	45.41	10.00		\$454.10		
11/29/2016	72249	1524	KUHN RICHARD A	3	27.75	10.00	\$277.50			
11/29/2016	72249	1055	PICKUP--2012 FORD F150	1	18.59	10.00		\$185.90		
12/1/2016	72252	1217	NORTON STEVE A	3	23.92	10.00	\$239.20			
12/1/2016	72252	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
12/1/2016	72252	1144	HEARD ERIC W	3	24.40	10.00	\$244.00			
12/1/2016	72252	0952	DUMP TRUCK--FLATBED	1	45.41	10.00		\$454.10		
12/1/2016	72252	1198	TALTON STEVEN W	3	24.07	10.00	\$240.70			
12/1/2016	72252	1020	DUMP TRUCK--2005	1	45.15	10.00		\$451.50		
12/1/2016	72252	1524	KUHN RICHARD A	3	27.75	10.00	\$277.50			
12/1/2016	72252	1055	PICKUP--2012 FORD F150	1	18.59	10.00		\$185.90		
12/5/2016	72254	1217	NORTON STEVE A	3	23.92	10.00	\$239.20			
12/5/2016	72254	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
12/5/2016	72254	1581	SALERS WILLIAM R	3	21.62	10.00	\$216.20			
12/5/2016	72254	1020	DUMP TRUCK--2005	1	45.15	10.00		\$451.50		
12/5/2016	72254	1144	HEARD ERIC W	3	24.40	10.00	\$244.00			
12/5/2016	72254	0952	DUMP TRUCK--FLATBED	1	45.41	10.00		\$454.10		
12/5/2016	72254	1524	KUHN RICHARD A	3	27.75	10.00	\$277.50			
12/5/2016	72254	1055	PICKUP--2012 FORD F150	1	18.59	10.00		\$185.90		
12/6/2016	72255	1524	KUHN RICHARD A	3	27.75	6.00	\$166.50			

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Date	Est Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002-1700 MAINTENANCE-DRAINAGE-DITCH-SHOULDER										
Road Id - 000498- FAIRVIEW COVE ROAD										
Activity Id 350 Ditching										
Road District -4										
12/6/2016	72253	1055	PICKUP-2012 FORD F150	1	18.59	6.00		\$111.54		
12/6/2016	72255	1217	NORTON STEVE A	3	23.92	10.00	\$239.20			
12/6/2016	72253	1052	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
12/6/2016	72255	1181	SALERS WILLIAM R	3	21.62	10.00	\$216.20			
12/6/2016	72253	1020	DUMP TRUCK-2003	1	45.15	10.00		\$451.50		
12/6/2016	72255	1144	HEARD ERIC W	3	24.40	10.00	\$244.00			
12/6/2016	72253	0952	DUMP TRUCK-FLATBED	1	45.41	10.00		\$454.10		
12/7/2016	72256	1217	NORTON STEVE A	3	23.92	5.00	\$119.60			
12/7/2016	72256	1052	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
12/7/2016	72256	1181	SALERS WILLIAM R	3	21.62	5.00	\$108.10			
12/7/2016	72256	1020	DUMP TRUCK-2003	1	45.15	5.00		\$225.75		
12/7/2016	72256	1188	TALTON STEVEN W	3	24.07	5.00	\$120.35			
12/7/2016	72256	0952	DUMP TRUCK-FLATBED	1	45.41	5.00		\$227.05		
12/7/2016	72256	1524	KUNY RICHARD A	3	27.75	5.00	\$138.75			
12/7/2016	72256	1055	PICKUP-2012 FORD F150	1	18.59	5.00		\$92.95		
12/8/2016	72257	2127	ALLEN JORDAN	3	16.38	2.50	\$40.95			
12/8/2016	72257	1040	BACKHOE-2013 CAT 40B	1	61.73	2.50		\$154.33		
12/8/2016	72257	1491	NAIL JAMES	3	22.43	2.50	\$56.08			
12/8/2016	72257	1068	DUMP TRUCK-2016 MACK	1	104.81	2.50		\$262.03		
12/8/2016	72257	1217	NORTON STEVE A	3	23.92	2.50	\$59.80			
12/8/2016	72257	1052	EXCAVATOR-WHEELED	1	148.69	2.50		\$371.73		
12/8/2016	72257	1181	SALERS WILLIAM R	3	21.62	2.50	\$54.05			
12/8/2016	72257	1020	DUMP TRUCK-2003	1	45.15	2.50		\$112.88		
12/8/2016	72257	1144	HEARD ERIC W	3	24.40	2.50	\$61.00			
12/8/2016	72257	0952	DUMP TRUCK-FLATBED	1	45.41	2.50		\$113.53		
12/8/2016	72257	1524	KUNY RICHARD A	3	27.75	2.50	\$69.38			
12/8/2016	72257	1055	PICKUP-2012 FORD F150	1	18.59	2.50		\$46.48		
12/8/2016	72257	1090	TRAILER-2009	1	12.47	2.50		\$31.18		
12/8/2016	72257	1001	DUMP TRUCK-2010	1	47.93	2.50		\$119.83		
Road Id - 000499- FAIRVIEW DRIVE										
Activity Id 350 Ditching										
Road District -2										
10/24/2016	72218	0927	BRYANT JERRY A	3	29.89	5.00	\$149.45			
10/24/2016	72218	0997	DUMP TRUCK-2008	1	47.19	5.00		\$235.95		
10/24/2016	72218	1042	BACKHOE-2013 CAT 40B	1	61.73	5.00		\$308.65		
10/24/2016	72218	2115	STOWERS SHEA	3	20.48	5.00	\$102.40			
10/24/2016	72218	0882	DUMP TRUCK-FLAT BED	1	43.36	5.00		\$216.80		
10/24/2016	72218	1130	GUTHERY THOMAS	3	20.95	5.00	\$104.75			
10/24/2016	72218	0981	PICKUP	3	18.31	5.00	\$91.55			
10/24/2016	72218	2507	GRANGER BRUCE	3	18.70	5.00	\$93.50			
10/24/2016	72218	1066	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
12/12/2016	72259	0927	BRYANT JERRY A	3	29.89	4.00	\$119.56			
12/12/2016	72259	0997	DUMP TRUCK-2008	1	47.19	4.00		\$188.76		
12/12/2016	72259	2507	GRANGER BRUCE	3	18.70	4.00	\$74.80			
12/12/2016	72259	1066	DUMP TRUCK-2016 MACK	1	104.81	4.00		\$419.24		
12/12/2016	72259	1196	PATTERSON WILLIAM J	3	21.05	4.00	\$84.20			
12/12/2016	72259	1004	TRUCK-PICK UP FLAT CREW	1	24.91	4.00		\$99.64		
12/12/2016	72259	2134	WINN TOMMY L	3	16.05	4.00	\$64.20			
12/12/2016	72259	1809	PERKINS ROGER L	3	21.49	4.00	\$85.96			
12/12/2016	72259	1042	BACKHOE-2013 CAT 40B	1	61.73	4.00		\$246.92		
2/6/2017	72302	1317	WASHINGTON ROBERT E	3	27.95	3.00	\$83.79			
2/6/2017	72302	1055	TRUCK-2007 FORD F150	1	18.86	3.00		\$56.58		
2/6/2017	72302	0927	BRYANT JERRY A	3	20.20	3.00	\$90.60			
2/6/2017	72302	0997	DUMP TRUCK-2008	1	49.36	3.00		\$148.08		
2/6/2017	72302	2115	STOWERS SHEA	3	20.62	3.00	\$61.86			

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqp Cost	Mat Cost	Con Cost
Project Id - 28-002: BROW MAINTENANCE-DRAINAGE,DITCH,SHOULDER										
Road Id - 000499: FAIRVIEW DRIVE										
Activity Id 350: Ditching										
Road District -2										
2/6/2017	72302	1016	BROOM	1	41.06	3.00		\$123.18		
2/6/2017	72302	1809	PERKINS ROGER L	3	21.78	3.00	\$65.34			
2/6/2017	72302	1029	DUMP TRUCK-2006	1	49.36	3.00		\$148.08		
2/6/2017	72302	2507	GRANGER BRUCE	3	18.84	3.00	\$56.52			
2/6/2017	72302	0981	PICKUP	1	18.86	3.00		\$56.58		
2/6/2017	72302	2128	CATLING LEVAR	3	19.01	3.00	\$57.03			
2/6/2017	72302	1041	BACKHOE-2013 CAT 430F	1	65.73	3.00		\$197.19		
Road Id - 000500: FAIRVIEW ROAD										
Activity Id 350: Ditching										
Road District -2										
12/5/2016	72254	0027	BRYANT JERRY A	3	29.89	10.00	\$298.90			
12/5/2016	72254	0997	DUMP TRUCK-2008	1	47.19	10.00		\$471.90		
12/5/2016	72254	1042	BACKHOE-2013 CAT 430F	1	61.73	10.00		\$617.30		
12/5/2016	72254	2505	GIPSON ADAM	3	19.60	10.00	\$196.00			
12/5/2016	72254	1029	DUMP TRUCK-2006	1	46.35	10.00		\$463.50		
12/5/2016	72254	1196	PATTERSON WILLIAM J	3	21.05	10.00	\$210.50			
12/5/2016	72254	0943	PICKUP-2001 DODGE RAM	1	13.79	10.00		\$137.90		
12/6/2016	72255	0027	BRYANT JERRY A	3	29.89	10.00	\$298.90			
12/6/2016	72255	0997	DUMP TRUCK-2008	1	47.19	10.00		\$471.90		
12/6/2016	72255	1042	BACKHOE-2013 CAT 430F	1	61.73	10.00		\$617.30		
12/6/2016	72255	1196	PATTERSON WILLIAM J	3	21.05	10.00	\$210.50			
12/6/2016	72255	0943	PICKUP-2001 DODGE RAM	1	13.79	10.00		\$137.90		
12/6/2016	72255	2505	GIPSON ADAM	3	19.60	10.00	\$196.00			
12/6/2016	72255	1029	DUMP TRUCK-2006	1	46.35	10.00		\$463.50		
12/12/2016	72259	0027	BRYANT JERRY A	3	29.89	3.00	\$89.67			
12/12/2016	72259	0997	DUMP TRUCK-2008	1	47.19	3.00		\$141.57		
12/12/2016	72259	2507	GRANGER BRUCE	3	18.70	3.00	\$56.10			
12/12/2016	72259	1066	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.43		
12/12/2016	72259	1196	PATTERSON WILLIAM J	3	21.05	3.00	\$63.15			
12/12/2016	72259	1004	TRUCK-PICK UP FLAT CREW	1	24.91	3.00		\$74.73		
12/12/2016	72259	2134	WIDEN TOMMY L	3	16.05	3.00	\$48.15			
12/12/2016	72259	1809	PERKINS ROGER L	3	21.49	3.00	\$64.47			
12/12/2016	72259	1042	BACKHOE-2013 CAT 430F	1	61.73	3.00		\$185.19		
Road Id - 000518: FORD VALLEY ROAD										
Activity Id 350: Ditching										
Road District -1										
12/12/2016	72259	1530	GUTHRY THOMAS	3	20.95	3.00	\$104.75			
12/12/2016	72259	1053	EXCAVATOR-WHEELED	1	148.69	3.00		\$446.07		
12/12/2016	72259	1468	DUTTON CLAUDE C	3	18.40	3.00	\$55.20			
12/12/2016	72259	1064	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.43		
12/12/2016	72259	2115	STOWERS SHEA	3	20.48	3.00	\$61.44			
12/12/2016	72259	1001	TRUCK-2008 FORD F450	1	27.92	3.00		\$83.76		
12/12/2016	72259	2123	SEARS MARQUETTE	3	16.41	3.00	\$49.23			
12/13/2016	72260	1530	GUTHRY THOMAS	3	20.95	10.00	\$209.50			
12/13/2016	72260	1053	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
12/13/2016	72260	1468	DUTTON CLAUDE C	3	18.40	10.00	\$184.00			
12/13/2016	72260	1064	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
12/13/2016	72260	2115	STOWERS SHEA	3	20.48	10.00	\$204.80			
12/13/2016	72260	1001	TRUCK-2008 FORD F450	1	27.92	10.00		\$279.20		
12/13/2016	72260	2123	SEARS MARQUETTE	3	16.41	10.00	\$164.10			
12/14/2016	72261	1530	GUTHRY THOMAS	3	20.95	10.00	\$209.50			
12/14/2016	72261	1053	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
12/14/2016	72261	1468	DUTTON CLAUDE C	3	18.40	10.00	\$184.00			
12/14/2016	72261	1064	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
12/14/2016	72261	2123	SEARS MARQUETTE	3	16.41	10.00	\$164.10			

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Project Id - 28-002-EROW MAINTENANCE-DRAINAGE,DITCH,SHOULDER										
Road Id - 000518- FORD VALLEY ROAD										
Activity Id 250 Batching										
Road District -1										
12/4/2016	72261	1031	TRUCK--2008 FORD F350	1	27.92	10.00				\$279.20
12/4/2016	72261	2515	STOWERS SHEA	3	20.48	10.00	\$204.80			
12/15/2016	72262	1299	FROST RANDALL C	3	30.26	10.00	\$302.60			
12/15/2016	72262	1054	PICKUP--2013 FORD F150	1	18.59	10.00				\$185.90
12/15/2016	72262	1130	GUTHERY THOMAS	3	20.95	10.00	\$209.50			
12/15/2016	72262	1053	EXCAVATOR--WHEELED	1	148.69	10.00				\$1,486.90
12/15/2016	72262	1468	DUTTON CLAUDE C	3	18.40	10.00	\$184.00			
12/15/2016	72262	1064	DUMP TRUCK--2016 MACK	1	104.81	10.00				\$1,048.10
12/15/2016	72262	2523	SEARS MARQUETTE	3	16.41	10.00	\$164.10			
12/15/2016	72262	1031	TRUCK--2008 FORD F350	1	27.92	10.00				\$279.20
12/15/2016	72262	2515	STOWERS SHEA	3	20.48	10.00	\$204.80			
12/19/2016	72265	1117	WASHINGTON ROBERT E	3	27.78	10.00	\$277.80			
12/19/2016	72265	1005	TRUCK--2007 FORD F150	1	18.30	10.00				\$183.00
12/19/2016	72265	1130	GUTHERY THOMAS	3	20.95	10.00	\$209.50			
12/19/2016	72265	1053	EXCAVATOR--WHEELED	1	148.69	10.00				\$1,486.90
12/19/2016	72265	2505	GIPSON ADAM	3	39.60	10.00	\$396.00			
12/19/2016	72265	1029	DUMP TRUCK--2006	1	46.35	10.00				\$463.50
12/19/2016	72265	2523	SEARS MARQUETTE	3	16.41	10.00	\$164.10			
12/19/2016	72265	0981	PICKUP	1	18.31	10.00				\$183.10
12/19/2016	72265	2134	WBN TOMMY L	3	16.05	10.00	\$160.50			
12/20/2016	72266	1117	WASHINGTON ROBERT E	3	27.78	10.00	\$277.80			
12/20/2016	72266	1005	TRUCK--2007 FORD F150	1	18.30	10.00				\$183.00
12/20/2016	72266	1130	GUTHERY THOMAS	3	20.95	10.00	\$209.50			
12/20/2016	72266	1053	EXCAVATOR--WHEELED	1	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	1064	DUMP TRUCK--2016 MACK	1	104.81	10.00				\$1,048.10
12/20/2016	72266	2523	SEARS MARQUETTE	3	16.41	10.00	\$164.10			
12/20/2016	72266	1031	TRUCK--2008 FORD F350	1	27.92	10.00				\$279.20
12/20/2016	72266	2134	WBN TOMMY L	3	16.05	10.00	\$160.50			
3/14/2017	72309	1117	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
3/14/2017	72309	1005	TRUCK--2007 FORD F150	1	18.86	10.00				\$188.60
3/14/2017	72309	0027	BRYANT JERRY A	3	30.20	10.00	\$302.00			
3/14/2017	72309	0998	DUMP TRUCK--2008 GMC	1	49.36	10.00				\$493.60
3/14/2017	72309	1041	BACKHOE--2013 CAT 430F	1	61.73	10.00				\$617.30
3/14/2017	72309	2507	GRANGER BRUCE	3	18.84	10.00	\$188.40			
3/14/2017	72309	1029	DUMP TRUCK--2006	1	49.36	10.00				\$493.60
3/15/2017	72310	1117	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
3/15/2017	72310	1005	TRUCK--2007 FORD F150	1	18.86	10.00				\$188.60
3/15/2017	72310	0027	BRYANT JERRY A	3	30.20	10.00	\$302.00			
3/15/2017	72310	0997	DUMP TRUCK--2008	1	49.36	10.00				\$493.60
3/15/2017	72310	1041	BACKHOE--2013 CAT 430F	1	61.73	10.00				\$617.30
3/15/2017	72310	1809	PERKINS ROGER L	3	21.78	10.00	\$217.80			
3/15/2017	72310	1029	DUMP TRUCK--2006	1	49.36	10.00				\$493.60
3/15/2017	72310	2515	STOWERS SHEA	3	20.62	10.00	\$206.20			
3/15/2017	72310	0981	PICKUP	1	18.86	10.00				\$188.60
Road Id - 000523- FOUR HAWKS PATH ROAD										
Activity Id 250 Batching										
Road District -3										
12/12/2016	72259	2121	HELL AMOS	3	20.27	2.50	\$50.68			
12/12/2016	72259	1043	BACKHOE--2013 CAT 430F	1	61.73	2.50				\$154.33
12/12/2016	72259	2132	SHEELER DAVID	3	16.77	2.50	\$41.93			
12/12/2016	72259	1069	DUMP TRUCK--2016 MACK	1	104.81	2.50				\$262.03
12/12/2016	72259	0679	KELLEY DONALD R	3	30.17	2.50	\$75.43			
12/12/2016	72259	0983	PICKUP	1	14.93	2.50				\$37.33
Road Id - 000530- FRIENDSHIP CHURCH RD										

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Project Id - 28-002-180W MAINTENANCE-DRAINAGE,DITCH&SHOULDER										
Road Id - 000530 - FRIENDSHIP CHURCH RD										
Activity Id - 258 Ditching										
Road District - 4										
1/9/2017	72280	1491	NAIL JAMES	3	22.71	2.50	\$56.78			
1/9/2017	72280	1068	DUMP TRUCK--2016 MACK	1	104.81	2.50		\$262.03		
1/9/2017	72280	2127	ALLEN JORDAN	3	16.54	2.50	\$41.36			
1/9/2017	72280	1040	BACKHOE--2013 CAT 430P	1	41.73	2.50		\$154.33		
1/9/2017	72280	1000	TRAILER--2009	1	12.47	2.50		\$31.18		
1/9/2017	72280	1001	DUMP TRUCK--2010	1	49.36	2.50		\$123.40		
Road Id - 000538 - GALLANT ROAD										
Activity Id - 258 Ditching										
Road District - 4										
2/7/2017	72303	2127	ALLEN JORDAN	3	16.54	10.00	\$165.44			
2/7/2017	72303	1043	BACKHOE--2013 CAT 430P	1	41.73	10.00		\$417.30		
2/7/2017	72303	1000	TRAILER--2009	1	12.47	10.00		\$124.70		
2/7/2017	72303	1001	DUMP TRUCK--2010	1	49.36	10.00		\$493.60		
2/7/2017	72303	2132	SHEELER DAVID	3	16.92	10.00	\$169.20			
2/7/2017	72303	1069	DUMP TRUCK--2016 MACK	1	104.81	10.00		\$1,048.10		
2/7/2017	72303	1225	POSEY JAMES D	3	24.11	5.00	\$120.55			
2/7/2017	72303	0061	PICKUP--1990 CHEVY C2500	1	16.43	5.00		\$82.15		
3/30/2017	72348	2531	MAYS JIMMY R	3	16.54	5.00	\$82.70			
3/30/2017	72348	1043	BACKHOE--2013 CAT 430P	1	41.73	5.00		\$208.65		
3/30/2017	72348	2137	MCCOY RODNEY	3	16.29	5.00	\$81.45			
3/30/2017	72348	0817	PICKUP	1	14.42	5.00		\$72.10		
Road Id - 000541 - GANNON ROAD										
Activity Id - 258 Ditching										
Road District - 2										
12/5/2016	72254	1330	GUTHRY THOMAS	3	20.93	5.00	\$104.75			
12/5/2016	72254	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
12/5/2016	72254	1448	DRUTTON CLAUDE C	3	18.40	5.00	\$92.00			
12/5/2016	72254	1064	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
12/5/2016	72254	1110	MCGATHA CHARLES K	3	23.94	5.00	\$119.70			
12/5/2016	72254	1031	TRUCK--2008 FORD F450	1	27.92	5.00		\$139.60		
12/5/2016	72254	2154	WISH TOMMY L	3	15.05	5.00	\$80.25			
Road Id - 000544 - GARRETT ROAD										
Activity Id - 258 Ditching										
Road District - 2										
1/23/2017	72290	0027	BRYANT JERRY A	3	30.20	5.00	\$151.00			
1/23/2017	72290	0997	DUMP TRUCK--2008	1	49.36	5.00		\$246.80		
1/23/2017	72290	1041	BACKHOE--2013 CAT 430P	1	41.73	5.00		\$208.65		
1/23/2017	72290	2107	GRANGER BRUCE	3	18.84	5.00	\$94.20			
1/23/2017	72290	0981	PICKUP	1	18.86	5.00		\$94.30		
Road Id - 000546 - GARRY ROAD										
Activity Id - 258 Ditching										
Road District - 4										
1/31/2017	72296	1217	NORDON STEVE A	3	24.20	3.00	\$72.60			
1/31/2017	72296	1052	EXCAVATOR--WHEELED	1	148.69	3.00		\$446.07		
1/31/2017	72296	1144	HEARD ERIC W	3	24.69	3.00	\$74.07			
1/31/2017	72296	1067	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.43		
1/31/2017	72296	2132	SHEELER DAVID	3	16.92	3.00	\$50.76			
1/31/2017	72296	1069	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.43		
Road Id - 000554 - GENE WHITT ROAD										
Activity Id - 258 Ditching										
Road District - 3										
12/14/2016	72261	2121	HILL AMOS	3	30.27	1.50	\$50.41			
12/14/2016	72261	1043	BACKHOE--2013 CAT 430P	1	41.73	1.50		\$92.60		
12/14/2016	72261	0679	KILLEY DONALD R	3	30.17	1.50	\$45.26			
12/14/2016	72261	0983	PICKUP	1	14.93	1.50		\$22.40		

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Project Id - 28-002: BROW MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road Id - 000554: GENE WHITT ROAD										
Activity Id -350: Blading										
Road District -J										
12/04/2016	72261	2127	ALLEN JORDAN	3	16.38	1.50	\$24.57			
12/04/2016	72261	1040	BACKHOE-2013 CAT 40B	1	61.73	1.50		\$92.60		
12/04/2016	72261	1491	NAIL JAMES	3	22.43	1.50	\$33.65			
12/04/2016	72261	1068	DUMP TRUCK-2016 MACK	1	104.81	1.50		\$157.22		
12/04/2016	72261	1217	NORTON STEVE A	3	23.92	1.50	\$35.88			
12/04/2016	72261	1052	EXCAVATOR-WHEELED	1	148.69	1.50		\$223.04		
12/04/2016	72261	1181	SALERS WILLIAM R	3	21.62	1.50	\$32.43			
12/04/2016	72261	1020	DUMP TRUCK-2000	1	45.13	1.50		\$67.73		
12/04/2016	72261	1144	HEARD ERIC W	3	24.40	1.50	\$36.60			
12/04/2016	72261	0952	DUMP TRUCK-FLATBED	1	45.41	1.50		\$68.12		
12/04/2016	72261	1324	KUSHN RICHARD A	3	27.75	1.50	\$41.63			
12/04/2016	72261	1055	PICKUP-2012 FORD F150	1	18.59	1.50		\$27.89		
Road Id - 000555: GEORGE JOHNSON ROAD										
Activity Id -350: Blading										
Road District -J										
11/15/2016	72239	2121	HELL AMOS	3	20.27	10.00	\$202.70			
11/15/2016	72239	1040	BACKHOE-2013 CAT 40B	1	61.73	10.00		\$617.30		
11/15/2016	72239	1000	TRAILER-2009	1	12.47	10.00		\$124.70		
11/15/2016	72239	1061	DUMP TRUCK-2010	1	47.93	10.00		\$479.30		
11/15/2016	72239	2112	SHEELER DAVID	3	16.77	10.00	\$167.70			
11/15/2016	72239	1069	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
11/15/2016	72239	1491	NAIL JAMES	3	22.43	9.00	\$201.87			
11/15/2016	72239	1068	DUMP TRUCK-2016 MACK	1	104.81	9.00		\$943.29		
2/28/2017	72321	1217	NORTON STEVE A	3	24.20	3.00	\$72.60			
2/28/2017	72321	1052	EXCAVATOR-WHEELED	1	148.69	3.00		\$446.07		
2/28/2017	72321	1181	SALERS WILLIAM R	3	21.90	3.00	\$65.70			
2/28/2017	72321	0952	DUMP TRUCK-FLATBED	1	49.36	3.00		\$148.08		
2/28/2017	72321	1324	KUSHN RICHARD A	3	27.90	3.00	\$83.70			
2/28/2017	72321	1055	PICKUP-2012 FORD F150	1	18.86	3.00		\$56.58		
3/1/2017	72323	1217	NORTON STEVE A	3	24.20	10.00	\$242.00			
3/1/2017	72323	1052	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
3/1/2017	72323	1144	HEARD ERIC W	3	24.69	10.00	\$246.90			
3/1/2017	72323	1067	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
3/1/2017	72323	1181	SALERS WILLIAM R	3	21.90	10.00	\$219.00			
3/1/2017	72323	0952	DUMP TRUCK-FLATBED	1	49.36	10.00		\$493.60		
3/1/2017	72323	1324	KUSHN RICHARD A	3	27.90	10.00	\$279.00			
3/1/2017	72323	1055	PICKUP-2012 FORD F150	1	18.86	10.00		\$188.60		
3/2/2017	72324	1324	KUSHN RICHARD A	3	27.90	1.00	\$79.50			
3/2/2017	72324	1055	PICKUP-2012 FORD F150	1	18.86	1.00		\$18.86		
3/2/2017	72324	1217	NORTON STEVE A	3	24.20	1.00	\$72.60			
3/2/2017	72324	1052	EXCAVATOR-WHEELED	1	148.69	1.00		\$148.69		
3/2/2017	72324	1181	SALERS WILLIAM R	3	21.90	1.00	\$65.70			
3/2/2017	72324	0952	DUMP TRUCK-FLATBED	1	49.36	1.00		\$49.36		
3/2/2017	72324	1144	HEARD ERIC W	3	24.69	1.00	\$74.07			
3/2/2017	72324	1067	DUMP TRUCK-2016 MACK	1	104.81	1.00		\$104.81		
3/6/2017	72327	1144	HEARD ERIC W	3	24.69	1.00	\$74.07			
3/6/2017	72327	1067	DUMP TRUCK-2016 MACK	1	104.81	1.00		\$104.81		
3/6/2017	72327	1217	NORTON STEVE A	3	24.20	10.00	\$242.00			
3/6/2017	72327	1052	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
3/6/2017	72327	1181	SALERS WILLIAM R	3	21.90	10.00	\$219.00			
3/6/2017	72327	0952	DUMP TRUCK-FLATBED	1	49.36	10.00		\$493.60		
3/6/2017	72327	1324	KUSHN RICHARD A	3	27.90	10.00	\$279.00			
3/6/2017	72327	1055	PICKUP-2012 FORD F150	1	18.86	10.00		\$188.60		
3/7/2017	72328	1217	NORTON STEVE A	3	24.20	10.00	\$242.00			
3/7/2017	72328	1052	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqp Cost	Mat Cost	Con Cost
Project Id - 28-002- (ROW MAINTENANCE-DRAINAGE,DITCH,SHOULDER										
Road Id - 000555- GEORGE JOHNSON ROAD										
Activity Id 350 Ditching										
Road District -3										
3/3/2017	72328	1144	HEARD ERIC W	3	24.69	10.00	\$246.90			
3/3/2017	72328	1037	DOZER-2015 CAT D9TDL	1	173.81	10.00		\$1,738.10		
3/3/2017	72328	1381	SALERS WILLIAM R	3	21.90	10.00	\$219.00			
3/3/2017	72328	0952	DUMP TRUCK-FLATBED	1	49.36	10.00		\$493.60		
3/3/2017	72328	1324	KUHN RICHARD A	3	27.90	10.00	\$279.00			
3/3/2017	72328	1055	PICKUP-2012 FORD F150	1	18.86	10.00		\$188.60		
3/8/2017	72329	1217	NORTON STEVE A	3	24.20	5.00	\$121.00			
3/8/2017	72329	1052	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
3/8/2017	72329	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			
3/8/2017	72329	1067	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
3/8/2017	72329	1381	SALERS WILLIAM R	3	21.90	5.00	\$109.50			
3/8/2017	72329	0952	DUMP TRUCK-FLATBED	1	49.36	5.00		\$246.80		
3/8/2017	72329	1324	KUHN RICHARD A	3	27.90	5.00	\$139.50			
3/8/2017	72329	1055	PICKUP-2012 FORD F150	1	18.86	5.00		\$94.30		
Road Id - 000564- GILLLAND ROAD										
Activity Id 350 Ditching										
Road District -4										
12/21/2016	72267	2527	ALLEN JORDAN	3	16.28	3.00	\$49.14			
12/21/2016	72267	1040	BACKHOE-2015 CAT 400F	1	61.73	3.00		\$185.19		
12/21/2016	72267	1000	TRAILER-2009	1	12.47	3.00		\$37.41		
12/21/2016	72267	1001	DUMP TRUCK-2010	1	47.93	3.00		\$143.79		
12/21/2016	72267	1491	NAIL JAMES	3	22.43	3.00	\$67.29			
12/21/2016	72267	1068	DUMP TRUCK-2014 MACK	1	104.81	3.00		\$314.43		
1/9/2017	72280	1491	NAIL JAMES	3	22.71	2.50	\$56.78			
1/9/2017	72280	1068	DUMP TRUCK-2014 MACK	1	104.81	2.50		\$262.03		
1/9/2017	72280	2527	ALLEN JORDAN	3	16.54	2.50	\$41.36			
1/9/2017	72280	1040	BACKHOE-2015 CAT 400F	1	61.73	2.50		\$154.33		
1/9/2017	72280	1000	TRAILER-2009	1	12.47	2.50		\$31.18		
1/9/2017	72280	1001	DUMP TRUCK-2010	1	49.36	2.50		\$123.40		
Road Id - 000572- GLENN GAP ROAD										
Activity Id 350 Ditching										
Road District -2										
12/6/2016	72255	2528	CARROLL MARCUS	3	17.83	3.00	\$53.49			
12/6/2016	72255	0998	DUMP TRUCK-2008 GMC	1	47.19	3.00		\$141.57		
12/6/2016	72255	1809	PERKINS ROGER L	3	21.49	3.00	\$64.47			
12/6/2016	72255	1066	DUMP TRUCK-2014 MACK	1	104.81	3.00		\$314.43		
12/6/2016	72255	2523	SEARS MARQUETTE	3	16.41	3.00	\$49.23			
12/6/2016	72255	0981	PICKUP	1	18.31	3.00		\$54.93		
12/6/2016	72255	1041	BACKHOE-2015 CAT 400F	1	61.73	3.00		\$185.19		
12/6/2016	72255	2515	STOWERS SHEA	3	20.48	3.00	\$61.44			
12/6/2016	72255	1053	EXCAVATOR-WHEELED	1	148.69	3.00		\$446.07		
12/6/2016	72255	1468	DUTTON CLAUDE C	3	18.40	3.00	\$55.20			
12/6/2016	72255	1064	DUMP TRUCK-2014 MACK	1	104.81	3.00		\$314.43		
12/6/2016	72255	1110	MCGATHA CHARLES K	3	23.94	3.00	\$71.82			
12/6/2016	72255	1034	TRUCK-2008 FORD F450	1	27.92	3.00		\$83.76		
12/6/2016	72255	2534	WISH TOMMY L	3	16.05	3.00	\$48.15			
1/24/2017	72291	1196	PATTERSON WILLIAM J	3	21.19	3.00	\$63.57			
1/24/2017	72291	0943	PICKUP-2001 DODGE RAM	1	14.42	3.00		\$43.26		
1/24/2017	72291	2526	CARROLL MARCUS	3	18.38	3.00	\$55.14			
1/24/2017	72291	1042	BACKHOE-2015 CAT 400F	1	61.73	3.00		\$185.19		
Road Id - 000574- GLOVER ROAD										
Activity Id 350 Ditching										
Road District -3										
3/15/2017	72335	1217	NORTON STEVE A	3	24.20	5.00	\$121.00			
3/15/2017	72335	1052	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002180W MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road Id - 000574- GLOVER ROAD										
Activity Id -J50 Ditching										
Road District -3										
3/15/2017	72335	1144	HEARD ERIC W	3	34.69	5.00	\$173.45			
3/15/2017	72335	1067	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.05		
Road Id - 000614- HEARRELSON RD.										
Activity Id -J50 Ditching										
Road District -3										
2/9/2017	72305	1217	NORTON STEVE A	3	34.20	5.00	\$171.00			
2/9/2017	72305	1052	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
2/9/2017	72305	1581	SALERS WILLIAM R	3	21.90	5.00	\$109.50			
2/9/2017	72305	0952	DUMP TRUCK-FLATBED	1	49.36	5.00		\$246.80		
2/9/2017	72305	1144	HEARD ERIC W	3	34.69	4.00	\$98.76			
2/9/2017	72305	1067	DUMP TRUCK-2016 MACK	1	104.81	4.00		\$419.24		
Road Id - 000627- HAYNES RD.										
Activity Id -J50 Ditching										
Road District -4										
12/27/2016	72270	1324	KUSHY RICHARD A	3	27.75	3.00	\$83.25			
12/27/2016	72279	1055	PICKUP-2012 FORD F150	1	18.59	3.00		\$55.77		
12/27/2016	72270	2334	WIBBY TOMMY L	3	16.05	3.00	\$48.15			
12/27/2016	72279	0953	PICKUP	1	18.07	3.00		\$54.21		
12/27/2016	72270	2126	CARROLL MARCUS	3	17.83	3.00	\$53.49			
12/27/2016	72279	1040	BACKHOE-2013 CAT 40F	1	61.73	3.00		\$185.19		
12/27/2016	72279	1000	TRAILER-2009	1	12.47	3.00		\$37.41		
12/27/2016	72279	1001	DUMP TRUCK-2010	1	47.93	3.00		\$143.79		
12/27/2016	72270	2332	HUFF WALTER B	3	18.38	3.00	\$55.14			
Road Id - 000673- HOLLIDAY CIRCLE										
Activity Id -J50 Ditching										
Road District -3										
3/23/2017	72340	0679	KELLEY DONALD R	3	30.45	2.00	\$60.90			
3/23/2017	72340	0983	PICKUP	1	15.41	2.00		\$30.82		
3/23/2017	72340	2327	ALLEN JORDAN	3	16.54	2.00	\$33.08			
3/23/2017	72340	1043	BACKHOE-2013 CAT 40F	1	61.73	2.00		\$123.46		
3/23/2017	72340	2331	MAYS JIMMY R	3	16.54	2.00	\$33.08			
3/23/2017	72340	1028	DUMP TRUCK-2005 FORD	1	39.15	2.00		\$78.30		
3/23/2017	72340	1491	NAIL JAMES	3	22.71	2.00	\$45.42			
3/23/2017	72340	1068	DUMP TRUCK-2016 MACK	1	104.81	2.00		\$209.62		
3/23/2017	72340	1000	TRAILER-2009	1	12.47	2.00		\$24.94		
3/23/2017	72340	1001	DUMP TRUCK-2010	1	49.36	2.00		\$98.72		
3/23/2017	72340	2312	SHEELER DAVID	3	16.92	2.00	\$33.84			
Road Id - 000698- HOPE STREET										
Activity Id -J50 Ditching										
Road District -3										
3/28/2017	72321	1217	NORTON STEVE A	3	34.20	2.00	\$68.40			
3/28/2017	72321	1052	EXCAVATOR-WHEELED	1	148.69	2.00		\$297.38		
3/28/2017	72321	1581	SALERS WILLIAM R	3	21.90	3.00	\$65.70			
3/28/2017	72321	0952	DUMP TRUCK-FLATBED	1	49.36	3.00		\$148.08		
3/28/2017	72321	1324	KUSHY RICHARD A	3	27.90	3.00	\$83.70			
3/28/2017	72321	1055	PICKUP-2012 FORD F150	1	18.86	3.00		\$56.58		
Road Id - 000706- HORTON GAP ROAD										
Activity Id -J50 Ditching										
Road District -3										
12/8/2016	72257	2331	MAYS JIMMY R	3	16.39	2.50	\$40.98			
12/8/2016	72257	1043	BACKHOE-2013 CAT 40F	1	61.73	2.50		\$154.33		
12/8/2016	72257	2332	HUFF WALTER B	3	18.38	2.50	\$45.95			
12/8/2016	72257	0953	PICKUP	1	18.07	2.50		\$45.18		
12/8/2016	72257	2312	SHEELER DAVID	3	16.77	2.50	\$41.93			
12/8/2016	72257	1069	DUMP TRUCK-2016 MACK	1	104.81	2.50		\$262.01		

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Date	DJ ID	ID	Description	Rate ID	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project ID - 28-002-EROW MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road ID - 000706- BORTON GAP ROAD										
Activity ID -J50 Ditching										
Road District -3										
12/8/2016	72257	0679	KELLEY DONALD R	3	30.17	2.50	\$75.43			
12/8/2016	72257	0983	PICKUP	1	14.93	2.50		\$37.33		
Road ID - 000710- HOWELTON CHURCH ROAD										
Activity ID -J50 Ditching										
Road District -3										
2/6/2017	72302	1217	NORTON STEVE A	3	24.20	2.00	\$48.40			
2/6/2017	72302	1052	EXCAVATOR-WHEELED	1	148.69	2.00		\$297.38		
2/6/2017	72302	1381	SALERS WILLIAM R	3	21.90	2.00	\$43.80			
2/6/2017	72302	0952	DUMP TRUCK-FLATBED	1	49.36	2.00		\$98.72		
2/6/2017	72302	1144	HEARD ERIC W	3	24.69	2.00	\$49.38			
2/6/2017	72302	1067	DUMP TRUCK-2016 MACK	1	104.81	2.00		\$209.62		
2/7/2017	72303	1217	NORTON STEVE A	3	24.20	5.00	\$121.00			
2/7/2017	72303	1052	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
2/7/2017	72303	1381	SALERS WILLIAM R	3	21.90	5.00	\$109.50			
2/7/2017	72303	0952	DUMP TRUCK-FLATBED	1	49.36	5.00		\$246.80		
2/7/2017	72303	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			
2/7/2017	72303	1067	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
2/8/2017	72304	1217	NORTON STEVE A	3	24.20	3.00	\$72.60			
2/8/2017	72304	1052	EXCAVATOR-WHEELED	1	148.69	3.00		\$446.07		
2/8/2017	72304	1381	SALERS WILLIAM R	3	21.90	3.00	\$65.70			
2/8/2017	72304	0952	DUMP TRUCK-FLATBED	1	49.36	3.00		\$148.08		
2/8/2017	72304	1144	HEARD ERIC W	3	24.69	3.00	\$74.07			
2/8/2017	72304	1067	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.43		
Road ID - 000741- IVAN ROAD										
Activity ID -J58 Ditching										
Road District -4										
11/2/2016	72229	1217	NORTON STEVE A	3	23.92	5.00	\$119.60			
11/2/2016	72229	1052	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
11/2/2016	72229	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			
11/2/2016	72229	1067	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
11/2/2016	72229	1324	KUHN RICHARD A	3	27.73	5.00	\$138.75			
11/2/2016	72229	1055	PICKUP-2012 FORD F150	1	18.59	5.00		\$92.95		
Road ID - 000745- J TUCKER ROAD										
Activity ID -J58 Ditching										
Road District -2										
12/8/2016	72257	2326	CARROLL MARCUS	3	17.83	4.00	\$71.32			
12/8/2016	72257	0998	DUMP TRUCK-2008 GMC	1	47.19	4.00		\$188.76		
12/8/2016	72257	2305	GIPSON ADAM	3	19.60	4.00	\$78.40			
12/8/2016	72257	1029	DUMP TRUCK-2006	1	46.35	4.00		\$185.40		
12/8/2016	72257	2128	CATLING LEVAR	3	18.81	4.00	\$75.24			
12/8/2016	72257	0981	PICKUP	1	18.51	4.00		\$73.24		
12/8/2016	72257	2334	WIGN TOMMY L	3	16.05	4.00	\$64.20			
Road ID - 000748- JACKSON TRAIL										
Activity ID -J58 Ditching										
Road District -4										
12/7/2016	72256	2327	ALLEN JORDAN	3	36.38	10.00	\$363.80			
12/7/2016	72256	1040	BACKHOE-2013 CAT 430P	1	61.73	10.00		\$617.30		
12/7/2016	72256	1001	DUMP TRUCK-2010	1	47.93	10.00		\$479.30		
12/7/2016	72256	1000	TRAILER-2009	1	32.47	10.00		\$324.70		
12/7/2016	72256	1491	NAIL JAMES	3	22.43	1.00	\$22.43			
12/7/2016	72256	1068	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
12/8/2016	72257	2327	ALLEN JORDAN	3	36.38	2.50	\$90.95			
12/8/2016	72257	1040	BACKHOE-2013 CAT 43P	1	61.73	2.50		\$154.33		
12/8/2016	72257	1491	NAIL JAMES	3	22.43	2.50	\$56.08			
12/8/2016	72257	1068	DUMP TRUCK-2016 MACK	1	104.81	2.50		\$262.03		

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Date	Bill Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqp Cost	Mat Cost	Con Cost
Project Id - 28-002-110W MAINTENANCE-DRAINAGE,DITCH,SHOULDER										
Road Id - 000748- JACOBSON TRAIL										
Activity Id -350 Ditching										
Road District -4										
12/8/2016	72257	1217	NORTON STEVE A	3	23.92	2.50	\$59.80			
12/8/2016	72257	1052	EXCAVATOR-WHEELED	1	148.69	2.50		\$371.73		
12/8/2016	72257	1181	SALERS WILLIAM R	3	21.62	2.50	\$54.05			
12/8/2016	72257	1000	DUMP TRUCK-2003	1	45.15	2.50		\$112.88		
12/8/2016	72257	1144	HEARD ERIC W	3	24.40	2.50	\$61.00			
12/8/2016	72257	0952	DUMP TRUCK-FLATBED	1	45.41	2.50		\$113.53		
12/8/2016	72257	1524	KLUBB RICHARD A	3	27.75	2.50	\$69.38			
12/8/2016	72257	1055	PICKUP-2012 FORD F150	1	18.59	2.50		\$46.48		
12/8/2016	72257	1000	TRAILER-2009	1	12.47	2.50		\$31.18		
12/8/2016	72257	1001	DUMP TRUCK-2010	1	47.93	2.50		\$119.83		
Road Id - 000750- JACOBS ROAD										
Activity Id -350 Ditching										
Road District -3										
12/6/2016	72255	2521	HILL AMOS	3	20.27	4.00	\$81.08			
12/6/2016	72255	1043	BACKHOE-2013 CAT 430F	1	61.73	4.00		\$246.92		
12/6/2016	72255	2132	SHEELER DAVID	3	16.77	4.00	\$67.08			
12/6/2016	72255	1009	DUMP TRUCK-2016 MACK	1	104.81	4.00		\$419.24		
12/6/2016	72255	0679	KELLEY DONALD R	3	30.17	4.00	\$120.68			
12/6/2016	72255	0983	PICKUP	1	14.93	4.00		\$59.72		
12/6/2016	72255	1000	TRAILER-2009	1	12.47	3.00		\$37.41		
12/6/2016	72255	1001	DUMP TRUCK-2010	1	47.93	3.00		\$143.79		
Road Id - 000763- JERRY CIRCLE										
Activity Id -350 Ditching										
Road District -2										
10/27/2016	72221	0027	BRYANT JERRY A	3	29.89	3.00	\$89.67			
10/27/2016	72221	0997	DUMP TRUCK-2008	1	47.19	3.00		\$141.57		
10/27/2016	72221	1448	DUTTON CLAUDE C	3	18.40	3.00	\$55.20			
10/27/2016	72221	1064	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.43		
10/27/2016	72221	1042	BACKHOE-2013 CAT 430F	1	61.73	3.00		\$185.19		
Road Id - 000784- JOHNSON ROAD										
Activity Id -350 Ditching										
Road District -2										
10/6/2017	72293	2526	CARROLL MARCUS	3	18.38	4.00	\$73.52			
10/6/2017	72293	0998	DUMP TRUCK-2008 OMC	1	49.26	4.00		\$197.44		
10/6/2017	72293	2128	CATTING LEVAR	3	19.01	4.00	\$76.04			
10/6/2017	72293	0981	PICKUP	1	18.86	4.00		\$75.44		
10/6/2017	72293	2107	GRANGER BRUCE	3	18.84	4.00	\$75.36			
10/6/2017	72293	1042	BACKHOE-2013 CAT 430F	1	61.73	4.00		\$246.92		
Road Id - 000810- KEENER GAP ROAD										
Activity Id -350 Ditching										
Road District -2										
12/1/2016	72252	0027	BRYANT JERRY A	3	29.89	4.00	\$119.56			
12/1/2016	72252	0997	DUMP TRUCK-2008	1	47.19	4.00		\$188.76		
12/1/2016	72252	1009	PERKINS ROGER L	3	21.49	4.00	\$85.96			
12/1/2016	72252	1000	DUMP TRUCK-2006	1	46.35	4.00		\$185.40		
12/1/2016	72252	2128	CATTING LEVAR	3	18.81	4.00	\$75.24			
12/1/2016	72252	0943	PICKUP-2001 DODGE RAM	1	13.79	4.00		\$55.16		
12/1/2016	72252	1042	BACKHOE-2013 CAT 430F	1	61.73	4.00		\$246.92		
1/19/2017	72288	0027	BRYANT JERRY A	3	30.20	3.00	\$90.60			
1/19/2017	72288	0997	DUMP TRUCK-2008	1	49.26	3.00		\$148.08		
1/19/2017	72288	2107	GRANGER BRUCE	3	18.84	3.00	\$56.52			
1/19/2017	72288	0981	PICKUP	1	18.86	3.00		\$56.58		
1/19/2017	72288	1009	PERKINS ROGER L	3	21.78	3.00	\$65.34			
1/19/2017	72288	1065	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.43		
1/19/2017	72288	1041	BACKHOE-2013 CAT 430F	1	61.73	3.00		\$185.19		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002-180W MAINTENANCE-DRAINAGE-DITCH/SHOULDER										
Road Id - 000811- KEENER LANE										
Activity Id 350 Ditching										
Road District -2										
2/16/2017	72311	0027	BRYANT JERRY A	3	30.20	4.00	\$120.80			
2/16/2017	72311	0998	DUMP TRUCK--2008 GMC	1	49.36	4.00		\$197.44		
2/16/2017	72311	1809	PERKINS ROGER L	3	21.78	4.00	\$87.12			
2/16/2017	72311	1029	DUMP TRUCK--2006	1	49.36	4.00		\$197.44		
2/16/2017	72311	1041	BACKHOE--2013 CAT 408P	1	61.73	4.00		\$246.92		
2/16/2017	72311	1299	FROST RANDALL C	3	30.54	2.50	\$76.35			
2/16/2017	72311	1054	PICKUP--2012 FORD F150	1	18.86	2.50		\$47.15		
Road Id - 000816- KERRI LANE E										
Activity Id 350 Ditching										
Road District -4										
11/7/2016	72233	1217	NORTON STEVE A	3	23.92	3.00	\$71.76			
11/7/2016	72233	1052	EXCAVATOR--WHEELED	1	148.69	3.00		\$446.07		
11/7/2016	72233	1144	HEARD ERIC W	3	24.40	3.00	\$73.20			
11/7/2016	72233	1067	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.43		
11/7/2016	72233	1381	SAJERS WILLIAM R	3	21.62	3.00	\$64.86			
11/7/2016	72233	1020	DUMP TRUCK--2003	1	45.15	3.00		\$135.45		
11/7/2016	72233	1324	KUBBY RICHARD A	3	27.75	3.00	\$83.25			
11/7/2016	72233	1055	PICKUP--2012 FORD F150	1	18.59	3.00		\$55.77		
Road Id - 000818- KERRI LANE W										
Activity Id 350 Ditching										
Road District -4										
11/7/2016	72233	1217	NORTON STEVE A	3	23.92	4.00	\$95.68			
11/7/2016	72233	1052	EXCAVATOR--WHEELED	1	148.69	4.00		\$594.76		
11/7/2016	72233	1144	HEARD ERIC W	3	24.40	4.00	\$97.60			
11/7/2016	72233	1067	DUMP TRUCK--2016 MACK	1	104.81	4.00		\$419.24		
11/7/2016	72233	1381	SAJERS WILLIAM R	3	21.62	4.00	\$86.48			
11/7/2016	72233	1020	DUMP TRUCK--2003	1	45.15	4.00		\$180.60		
11/7/2016	72233	1324	KUBBY RICHARD A	3	27.75	4.00	\$111.00			
11/7/2016	72233	1055	PICKUP--2012 FORD F150	1	18.59	4.00		\$74.36		
Road Id - 000819- KERSHAW QUARTERS RD										
Activity Id 350 Ditching										
Road District -2										
12/14/2016	72261	0027	BRYANT JERRY A	3	29.89	2.50	\$74.73			
12/14/2016	72261	0997	DUMP TRUCK--2008	1	47.19	2.50		\$117.98		
12/14/2016	72261	1042	BACKHOE--2013 CAT 408P	1	61.73	2.50		\$154.33		
12/14/2016	72261	1809	PERKINS ROGER L	3	21.49	2.50	\$53.73			
12/14/2016	72261	0882	DUMP TRUCK--FLAT BED	1	43.36	2.50		\$108.40		
12/14/2016	72261	2134	WINN TOMMY L	3	16.05	2.50	\$40.13			
12/14/2016	72261	1004	TRUCK-PICK UP FLAT CREW	1	24.91	2.50		\$62.28		
12/14/2016	72261	2507	GRANGER BRUCE	3	18.70	2.50	\$46.75			
12/14/2016	72261	1066	DUMP TRUCK--2016 MACK	1	104.81	2.50		\$262.03		
1/30/2017	72295	0027	BRYANT JERRY A	3	30.20	4.00	\$120.80			
1/30/2017	72295	0997	DUMP TRUCK--2008	1	49.36	4.00		\$197.44		
1/30/2017	72295	1809	PERKINS ROGER L	3	21.78	4.00	\$87.12			
1/30/2017	72295	1029	DUMP TRUCK--2006	1	49.36	4.00		\$197.44		
1/30/2017	72295	2507	GRANGER BRUCE	3	18.84	4.00	\$75.36			
1/30/2017	72295	0943	PICKUP--2001 DODGE RAM	1	14.62	4.00		\$57.68		
1/30/2017	72295	2123	SEARS MARQUETTE	3	16.54	4.00	\$66.16			
1/30/2017	72295	1041	BACKHOE--2013 CAT 408P	1	61.73	4.00		\$246.92		
Road Id - 000832- KIRBY ROAD										
Activity Id 350 Ditching										
Road District -3										
1/11/2017	72282	2132	SHEELER DAVID	3	36.92	7.00	\$118.44			
1/11/2017	72282	1069	DUMP TRUCK--2016 MACK	1	104.81	7.00		\$733.67		
1/11/2017	72282	2121	HILL AMOS	3	20.56	7.00	\$143.92			

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Project Id - 28-092-180W MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road Id - 000832- KIRBY ROAD										
Activity Id 258 Ditching										
Road District -3										
1/1/2017	72282	0061	PICKUP-1992 CHEVY C2100	1	16.43	7.00		\$115.81		
1/1/2017	72282	2531	MAYS JIMMY R	3	16.54	7.00	\$113.78			
1/1/2017	72282	1043	BACKHOE-2015 CAT 400F	1	61.73	7.00		\$432.11		
Road Id - 000857- LAKE STREET										
Activity Id 258 Ditching										
Road District -4										
2/7/2017	72303	1217	NORTON STEVE A	3	24.20	5.00	\$121.00			
2/7/2017	72303	1052	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
2/7/2017	72303	1581	SALERS WILLIAM R	3	21.90	5.00	\$109.50			
2/7/2017	72303	0952	DUMP TRUCK-FLATBED	1	49.36	5.00		\$246.80		
2/7/2017	72303	1144	HEARD ERIC W	1	16.90	5.00	\$84.50			
2/7/2017	72303	1067	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
Road Id - 000871- LAKEVIEW DRIVE										
Activity Id 258 Ditching										
Road District -3										
2/1/2017	72298	1217	NORTON STEVE A	3	24.20	4.00	\$96.80			
2/1/2017	72298	1052	EXCAVATOR-WHEELED	1	148.69	4.00		\$594.76		
2/1/2017	72298	1581	SALERS WILLIAM R	3	21.90	4.00	\$87.60			
2/1/2017	72298	0952	DUMP TRUCK-FLATBED	1	49.36	4.00		\$197.44		
2/1/2017	72298	1144	HEARD ERIC W	3	24.69	4.00	\$98.76			
2/1/2017	72298	1067	DUMP TRUCK-2016 MACK	1	104.81	4.00		\$419.24		
2/6/2017	72302	1217	NORTON STEVE A	3	24.20	1.50	\$36.30			
2/6/2017	72302	1052	EXCAVATOR-WHEELED	1	148.69	1.50		\$223.04		
2/6/2017	72302	1581	SALERS WILLIAM R	3	21.90	1.50	\$32.85			
2/6/2017	72302	0952	DUMP TRUCK-FLATBED	1	49.36	1.50		\$74.04		
2/6/2017	72302	1144	HEARD ERIC W	3	24.69	1.50	\$37.04			
2/6/2017	72302	1067	DUMP TRUCK-2016 MACK	1	104.81	1.50		\$157.22		
2/6/2017	72304	1217	NORTON STEVE A	3	24.20	3.00	\$72.60			
2/6/2017	72304	1052	EXCAVATOR-WHEELED	1	148.69	3.00		\$446.07		
2/6/2017	72304	1581	SALERS WILLIAM R	3	21.90	3.00	\$65.70			
2/6/2017	72304	0952	DUMP TRUCK-FLATBED	1	49.36	3.00		\$148.08		
2/6/2017	72304	1144	HEARD ERIC W	3	24.69	3.00	\$74.07			
2/6/2017	72304	1067	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.43		
Road Id - 000909- LAY SPRINGS ROAD										
Activity Id 258 Ditching										
Road District -2										
12/5/2016	72254	2526	CARROLL MARCUS	3	17.83	10.00	\$178.30			
12/5/2016	72254	0998	DUMP TRUCK-2008 GMC	1	47.19	10.00		\$471.90		
12/5/2016	72254	1041	BACKHOE-2015 CAT 400F	1	61.73	10.00		\$617.30		
12/5/2016	72254	1809	PERKINS ROGER L	3	21.49	10.00	\$214.90			
12/5/2016	72254	1065	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
12/5/2016	72254	2523	SEARS MARQUETTE	3	16.43	10.00	\$164.30			
12/5/2016	72254	0981	PICKUP	1	18.31	10.00		\$183.10		
12/5/2016	72254	2515	STOWERS SHEA	3	20.48	10.00	\$204.80			
12/8/2016	72257	2526	CARROLL MARCUS	3	17.83	3.00	\$53.49			
12/8/2016	72257	0998	DUMP TRUCK-2008 GMC	1	47.19	3.00		\$141.57		
12/8/2016	72257	2505	GIPSON ADAM	3	19.60	3.00	\$58.80			
12/8/2016	72257	1829	DUMP TRUCK-2006	1	46.35	3.00		\$139.05		
12/8/2016	72257	2528	CATTLING LEVAR	3	18.81	3.00	\$56.43			
12/8/2016	72257	0981	PICKUP	1	18.31	3.00		\$54.93		
12/8/2016	72257	2514	WINN TOMMY L	3	16.03	3.00	\$48.15			
12/12/2016	72259	2526	CARROLL MARCUS	3	17.83	5.00	\$89.15			
12/12/2016	72259	0998	DUMP TRUCK-2008 GMC	1	47.19	5.00		\$235.95		
12/12/2016	72259	2505	GIPSON ADAM	3	19.60	5.00	\$98.00			
12/12/2016	72259	1829	DUMP TRUCK-2006	1	46.35	5.00		\$231.75		

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Project Id - 28-002-180W MAINTENANCE-DRAINAGE-DITCHES/SHOULDER										
Road Id - 000009 - LAY SPRINGS ROAD										
Activity Id - 358 Ditching										
Road District - 2										
12/13/2016	72239	1110	MCGATHA CHARLES K	3	23.94	5.00	\$119.70			
12/13/2016	72239	0801	PICKUP	1	18.31	3.00		\$91.55		
12/13/2016	72239	2528	CATTLING LEVAE	3	18.83	5.00	\$94.05			
12/13/2016	72239	1043	BACKHOE-2015 CAT 430F	1	61.73	5.00		\$308.65		
1/24/2017	72291	0827	BRYANT JERRY A	3	30.20	5.00	\$151.00			
1/24/2017	72291	0997	DUMP TRUCK--2008	1	49.36	5.00		\$246.80		
1/24/2017	72291	1043	BACKHOE-2015 CAT 430F	1	61.73	5.00		\$308.65		
1/24/2017	72291	1468	DUTTON CLAUDE C	3	18.36	5.00	\$92.80			
1/24/2017	72291	1029	DUMP TRUCK--2006	1	49.36	5.00		\$246.80		
1/24/2017	72291	2507	GRANDER BRUCE	3	18.84	5.00	\$94.20			
1/24/2017	72291	0817	PICKUP	1	14.42	5.00		\$72.10		
1/24/2017	72291	1110	MCGATHA CHARLES K	3	24.22	5.00	\$121.10			
1/24/2017	72291	0816	PICKUP	1	14.42	5.00		\$72.10		
3/7/2017	72300	1517	WASHINGTON ROBERT E	3	27.93	2.50	\$69.83			
3/7/2017	72303	1005	TRUCK--2007 FORD F150	1	18.86	2.50		\$47.15		
3/7/2017	72300	0827	BRYANT JERRY A	3	30.20	2.50	\$75.50			
3/7/2017	72303	0997	DUMP TRUCK--2008	1	49.36	2.50		\$123.40		
3/7/2017	72300	2528	CATTLING LEVAE	3	19.01	2.50	\$47.53			
3/7/2017	72303	0816	PICKUP	1	14.42	2.50		\$36.05		
3/7/2017	72300	1809	PERKINS ROGER L	3	21.78	2.50	\$54.45			
3/7/2017	72303	1029	DUMP TRUCK--2006	1	49.36	2.50		\$123.40		
3/7/2017	72300	1530	GUTHERY THOMAS	3	21.10	2.50	\$52.75			
3/7/2017	72303	1053	EXCAVATOR--WHEELED	1	148.69	2.50		\$371.73		
3/7/2017	72303	1043	BACKHOE-2015 CAT 430F	1	61.73	2.50		\$154.33		
3/7/2017	72300	1468	DUTTON CLAUDE C	3	18.36	2.50	\$46.40			
3/7/2017	72303	1064	DUMP TRUCK--2016 MACK	1	104.83	2.50		\$262.03		
3/7/2017	72300	2526	CARBOLL MARCUS	3	18.38	2.50	\$45.95			
3/7/2017	72303	0801	PICKUP	1	18.86	2.50		\$47.15		
3/7/2017	72300	2515	STOWERS SHEA	3	20.62	2.50	\$51.55			
3/8/2017	72304	1530	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
3/8/2017	72304	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
3/8/2017	72304	1468	DUTTON CLAUDE C	3	18.36	5.00	\$92.80			
3/8/2017	72304	1064	DUMP TRUCK--2016 MACK	1	104.83	5.00		\$524.05		
3/8/2017	72304	2526	CARBOLL MARCUS	3	18.38	5.00	\$91.90			
3/8/2017	72304	1004	TRUCK-PICK UP FLAT CREW	1	26.78	5.00		\$133.90		
3/8/2017	72304	2515	STOWERS SHEA	3	20.62	5.00	\$103.10			
3/8/2017	72304	1517	WASHINGTON ROBERT E	3	27.93	5.00	\$139.65			
3/8/2017	72304	1005	TRUCK--2007 FORD F150	1	18.86	5.00		\$94.30		
3/8/2017	72305	1530	GUTHERY THOMAS	3	21.10	10.00	\$211.00			
3/8/2017	72305	1053	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
3/8/2017	72305	1468	DUTTON CLAUDE C	3	18.36	10.00	\$185.60			
3/8/2017	72305	1064	DUMP TRUCK--2016 MACK	1	104.83	10.00		\$1,048.10		
3/8/2017	72305	2528	CATTLING LEVAE	3	19.01	10.00	\$190.10			
3/8/2017	72305	1004	TRUCK-PICK UP FLAT CREW	1	26.78	10.00		\$267.80		
3/13/2017	72308	1517	WASHINGTON ROBERT E	3	27.93	5.00	\$139.65			
3/13/2017	72308	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	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
3/13/2017	72308	1468	DUTTON CLAUDE C	3	18.36	5.00	\$92.80			
3/13/2017	72308	1064	DUMP TRUCK--2016 MACK	1	104.83	5.00		\$524.05		
3/13/2017	72308	2528	CATTLING LEVAE	3	19.01	5.00	\$95.05			
3/13/2017	72308	1004	TRUCK-PICK UP FLAT CREW	1	26.78	5.00		\$133.90		
3/21/2017	72315	2515	STOWERS SHEA	3	20.62	3.00	\$61.86			
3/21/2017	72315	0998	DUMP TRUCK--2008 GMC	1	49.36	3.00		\$148.08		
3/21/2017	72315	2505	GIPSON ADAM	3	19.88	3.00	\$59.64			

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Project Id - 28-002: BROW MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road Id - 00099: LAY SPRINGS ROAD										
Activity Id 350: Ditching										
Road District -2										
2/21/2017	72313	1066	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.43		
2/21/2017	72315	2534	WENN TOMMY L	3	16.19	3.00	\$48.57			
2/21/2017	72315	0982	PICKUP	1	18.86	3.00		\$56.58		
2/21/2017	72315	1041	BACKHOE--2013 CAT 430F	1	61.73	3.00		\$185.19		
2/28/2017	72321	2526	CARROLL MARCUS	3	18.38	10.00	\$183.80			
2/28/2017	72321	0988	TRAILER--UTILITY	1	3.41	10.00		\$34.10		
2/28/2017	72321	1041	BACKHOE--2013 CAT 430F	1	61.73	10.00		\$617.30		
2/28/2017	72321	1196	PATTERSON WILLIAM J	3	21.19	10.00	\$211.90			
2/28/2017	72321	0943	PICKUP--2001 DODGE RAM	1	14.42	10.00		\$144.20		
2/28/2017	72321	2534	WENN TOMMY L	3	16.19	10.00	\$161.90			
3/21/2017	72340	0027	BRYANT JERRY A	3	30.20	6.00	\$181.20			
3/21/2017	72340	0997	DUMP TRUCK--2008	1	49.36	6.00		\$296.16		
3/21/2017	72340	1041	BACKHOE--2013 CAT 430F	1	61.73	6.00		\$370.38		
3/21/2017	72340	2507	GRANGER BRUCE	3	18.84	6.00	\$113.04			
3/21/2017	72340	0943	PICKUP--2001 DODGE RAM	1	14.42	6.00		\$86.52		
3/21/2017	72340	2505	GIPSON ADAM	3	19.88	6.00	\$119.28			
3/21/2017	72340	1809	PERKINS ROGER L	3	21.78	6.00	\$130.68			
3/21/2017	72340	1065	DUMP TRUCK--2016 MACK	1	104.81	6.00		\$628.86		
3/22/2017	72341	0027	BRYANT JERRY A	3	30.20	3.00	\$151.00			
3/22/2017	72341	0997	DUMP TRUCK--2008	1	49.36	3.00		\$148.08		
3/22/2017	72341	1041	BACKHOE--2013 CAT 430F	1	61.73	3.00		\$185.19		
3/22/2017	72341	2507	GRANGER BRUCE	3	18.84	3.00	\$94.20			
3/22/2017	72341	0943	PICKUP--2001 DODGE RAM	1	14.42	3.00		\$72.30		
3/22/2017	72341	2505	GIPSON ADAM	3	19.88	3.00	\$99.40			
3/22/2017	72341	1809	PERKINS ROGER L	3	21.78	3.00	\$108.90			
3/22/2017	72341	1065	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$324.03		
3/30/2017	72348	2526	CARROLL MARCUS	3	18.38	4.00	\$73.52			
3/30/2017	72348	0997	DUMP TRUCK--2008	1	49.36	4.00		\$197.44		
3/30/2017	72348	1041	BACKHOE--2013 CAT 430F	1	61.73	4.00		\$246.92		
3/30/2017	72348	1809	PERKINS ROGER L	3	21.78	4.00	\$87.12			
3/30/2017	72348	1065	DUMP TRUCK--2016 MACK	1	104.81	4.00		\$419.24		
3/30/2017	72348	2523	SEARS MARQUETTE	3	16.54	4.00	\$66.16			
3/30/2017	72348	0982	DUMP TRUCK--FLAT BED	1	49.36	4.00		\$197.44		
3/30/2017	72348	2534	WENN TOMMY L	3	16.19	4.00	\$64.76			
Road Id - 000918: LEE HOLCOMB ROAD										
Activity Id 350: Ditching										
Road District -3										
3/8/2017	72329	1217	NORTON STEVE A	3	34.20	3.00	\$121.00			
3/8/2017	72329	1052	EXCAVATOR--WHEELED	1	148.69	3.00		\$743.45		
3/8/2017	72329	1144	HEARD ERIC W	3	34.69	3.00	\$123.45			
3/8/2017	72329	1067	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$324.03		
3/8/2017	72329	1181	SALERS WILLIAM R	3	21.90	3.00	\$109.50			
3/8/2017	72329	0952	DUMP TRUCK--FLATBED	1	49.36	3.00		\$246.80		
3/8/2017	72329	1524	KUBIN RICHARD A	3	27.90	3.00	\$139.50			
3/8/2017	72329	1055	PICKUP--2012 FORD F150	1	18.86	3.00		\$94.38		
3/9/2017	72330	1524	KUBIN RICHARD A	3	27.90	3.00	\$139.50			
3/9/2017	72330	1055	PICKUP--2012 FORD F150	1	18.86	3.00		\$94.38		
3/9/2017	72330	1217	NORTON STEVE A	3	34.20	3.00	\$121.00			
3/9/2017	72330	1052	EXCAVATOR--WHEELED	1	148.69	3.00		\$743.45		
3/9/2017	72330	1181	SALERS WILLIAM R	3	21.90	3.00	\$109.50			
3/9/2017	72330	0952	DUMP TRUCK--FLATBED	1	49.36	3.00		\$246.80		
Road Id - 000965: LITTLE COVE ROAD										
Activity Id 350: Ditching										
Road District -4										
10/31/2016	72226	1217	NORTON STEVE A	3	23.92	3.00	\$119.60			

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Project Id - 28-002-FLOW MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road Id - 000965- LITTLE COVE ROAD										
Activity Id -350 Ditching										
Road District -4										
10/31/2016	72226	1052	EXCAVATOR--WHEELED	1	148.69	3.00		\$743.45		
10/31/2016	72226	1181	SALEERS WILLIAM R	3	21.62	3.00	\$108.10			
10/31/2016	72226	1020	DUMP TRUCK--2003	1	45.15	3.00		\$225.75		
10/31/2016	72226	1524	KUBEN RICHARD A	3	27.75	3.00	\$138.75			
10/31/2016	72226	1055	PICKUP--2012 FORD F150	1	18.99	3.00		\$92.95		
10/31/2016	72226	1144	HEARD ERIC W	3	24.40	3.00	\$122.00			
10/31/2016	72226	1067	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$524.05		
11/7/2016	72233	1217	NORTON STEVE A	3	23.92	3.00	\$71.76			
11/7/2016	72233	1052	EXCAVATOR--WHEELED	1	148.69	3.00		\$448.07		
11/7/2016	72233	1144	HEARD ERIC W	3	24.40	3.00	\$73.20			
11/7/2016	72233	1067	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.43		
11/7/2016	72233	1181	SALEERS WILLIAM R	3	21.62	3.00	\$64.86			
11/7/2016	72233	1020	DUMP TRUCK--2003	1	45.15	3.00		\$155.45		
11/7/2016	72233	1524	KUBEN RICHARD A	3	27.75	3.00	\$83.25			
11/7/2016	72233	1055	PICKUP--2012 FORD F150	1	18.99	3.00		\$55.77		
11/9/2016	72235	1217	NORTON STEVE A	3	23.92	10.00	\$239.20			
11/9/2016	72235	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
11/9/2016	72235	1144	HEARD ERIC W	3	24.40	10.00	\$244.00			
11/9/2016	72235	1067	DUMP TRUCK--2016 MACK	1	104.81	10.00		\$1,048.10		
11/9/2016	72235	1181	SALEERS WILLIAM R	3	21.62	10.00	\$216.20			
11/9/2016	72235	1020	DUMP TRUCK--2003	1	45.15	10.00		\$451.50		
Road Id - 000968- LITTLE WILLS VALLEY ROAD										
Activity Id -350 Ditching										
Road District -2										
12/1/2016	72252	0027	BRYANT JERRY A	3	29.89	3.00	\$89.67			
12/1/2016	72252	0997	DUMP TRUCK--2008	1	47.19	3.00		\$141.37		
12/1/2016	72252	1809	PERKINS ROGER L	3	21.49	3.00	\$64.47			
12/1/2016	72252	1020	DUMP TRUCK--2006	1	46.35	3.00		\$139.05		
12/1/2016	72252	2128	CATLING LEVAR	3	18.81	3.00	\$56.43			
12/1/2016	72252	0943	PICKUP--2001 DODGE RAM	1	13.79	3.00		\$41.37		
12/1/2016	72252	1042	BACKHOE--2013 CAT 408F	1	61.73	3.00		\$185.19		
1/1/2017	72286	0027	BRYANT JERRY A	3	30.20	4.00	\$120.80			
1/1/2017	72286	0997	DUMP TRUCK--2008	1	49.36	4.00		\$197.44		
1/1/2017	72286	1041	BACKHOE--2013 CAT 408F	1	61.73	4.00		\$246.92		
1/1/2017	72286	2107	GRANGER BRUCE	3	18.84	4.00	\$75.36			
1/1/2017	72286	0981	PICKUP	1	18.86	4.00		\$75.44		
1/1/2017	72286	1809	PERKINS ROGER L	3	21.78	4.00	\$87.12			
1/1/2017	72286	1065	DUMP TRUCK--2016 MACK	1	104.81	4.00		\$419.24		
2/16/2017	72311	0027	BRYANT JERRY A	3	30.20	3.00	\$90.60			
2/16/2017	72311	0998	DUMP TRUCK--2008 GMC	1	49.36	3.00		\$148.08		
2/16/2017	72311	1809	PERKINS ROGER L	3	21.78	3.00	\$65.34			
2/16/2017	72311	1029	DUMP TRUCK--2006	1	49.36	3.00		\$148.08		
2/16/2017	72311	1041	BACKHOE--2013 CAT 408F	1	61.73	3.00		\$185.19		
2/16/2017	72311	1259	FROST RANDALL C	3	30.54	2.50	\$76.35			
2/16/2017	72311	1054	PICKUP--2012 FORD F150	1	18.86	2.50		\$47.15		
Road Id - 000969- LITTLETON CUT OFF ROAD										
Activity Id -350 Ditching										
Road District -3										
1/3/2017	72275	0659	KELLEY DONALD R	3	30.45	3.00	\$90.90			
1/3/2017	72275	0983	PICKUP	1	14.95	2.00		\$29.90		
1/3/2017	72275	2132	HUFF WALTER B	3	18.67	2.00	\$37.34			
1/3/2017	72275	0933	PICKUP	1	18.07	2.00		\$36.14		
1/3/2017	72275	2126	CARROLL MARCUS	3	18.38	2.00	\$36.76			
1/3/2017	72275	1040	BACKHOE--2013 CAT 408F	1	61.73	2.00		\$123.46		
1/3/2017	72275	2115	STOWERS SHEA	3	20.62	2.00	\$41.24			

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Project Id - 28-002-FLOW MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road Id - 000949- LITTLETON CUT OFF ROAD										
Activity Id -350 Ditching										
Road District -3										
1/3/2017	72275	1000	DUMP TRUCK-2003	1	45.15	2.00		\$90.30		
1/3/2017	72275	1000	TRAILER-2009	1	12.47	2.00		\$24.94		
1/3/2017	72275	1001	DUMP TRUCK-2010	1	47.93	2.00		\$95.86		
1/3/2017	72275	2134	WINN TOMMY L	3	16.19	2.00	\$32.38			
Road Id - 000970- LITTLETON ROAD										
Activity Id -350 Ditching										
Road District -3										
1/3/2017	72275	0479	KELLEY DONALD E	3	30.45	2.00	\$60.90			
1/3/2017	72275	0983	PICKUP	1	14.93	2.00		\$29.86		
1/3/2017	72275	2132	HUFF WALTER B	3	18.67	2.00	\$37.34			
1/3/2017	72275	0913	PICKUP	1	18.07	2.00		\$36.14		
1/3/2017	72275	2526	CARROLL MARCUS	3	18.38	2.00	\$36.76			
1/3/2017	72275	1040	BACKHOE-2015 CAT 430F	1	61.73	2.00		\$123.46		
1/3/2017	72275	2115	STOWERS SHEA	3	20.62	2.00	\$41.24			
1/3/2017	72275	1000	DUMP TRUCK-2003	1	45.15	2.00		\$90.30		
1/3/2017	72275	1000	TRAILER-2009	1	12.47	2.00		\$24.94		
1/3/2017	72275	1001	DUMP TRUCK-2010	1	47.93	2.00		\$95.86		
1/3/2017	72275	2134	WINN TOMMY L	3	16.19	2.00	\$32.38			
Road Id - 000980- LOUIE DUNN ROAD										
Activity Id -350 Ditching										
Road District -1										
2/7/2017	72303	1117	WASHINGTON ROBERT E	3	27.93	2.50	\$69.83			
2/7/2017	72303	1005	TRUCK-2007 FORD F150	1	18.86	2.50		\$47.15		
2/7/2017	72303	0027	BRYANT JERRY A	3	30.20	2.50	\$75.50			
2/7/2017	72303	0997	DUMP TRUCK-2008	1	49.36	2.50		\$123.40		
2/7/2017	72303	2128	CATLING LEVAR	3	19.01	2.50	\$47.53			
2/7/2017	72303	0816	PICKUP	1	14.42	2.50		\$36.05		
2/7/2017	72303	1809	PERKINS ROGER L	3	21.78	2.50	\$54.45			
2/7/2017	72303	1029	DUMP TRUCK-2006	1	49.36	2.50		\$123.40		
2/7/2017	72303	1130	GUTHERY THOMAS	3	21.10	2.50	\$52.75			
2/7/2017	72303	1053	EXCAVATOR-WHEELED	1	148.69	2.50		\$371.73		
2/7/2017	72303	1041	BACKHOE-2015 CAT 430F	1	61.73	2.50		\$154.33		
2/7/2017	72303	1448	DUTTON CLAUDE C	3	18.56	2.50	\$46.40			
2/7/2017	72303	1064	DUMP TRUCK-2010 MACK	1	104.81	2.50		\$262.03		
2/7/2017	72303	2526	CARROLL MARCUS	3	18.38	2.50	\$45.95			
2/7/2017	72303	0981	PICKUP	1	18.86	2.50		\$47.15		
2/7/2017	72303	2115	STOWERS SHEA	3	20.62	2.50	\$51.55			
Road Id - 000945- MATT SMITH ROAD										
Activity Id -350 Ditching										
Road District -1										
1/31/2017	72296	0027	BRYANT JERRY A	3	30.20	5.00	\$151.00			
1/31/2017	72296	1041	BACKHOE-2015 CAT 430F	1	61.73	5.00		\$308.65		
1/31/2017	72296	0997	DUMP TRUCK-2008	1	49.36	5.00		\$246.80		
1/31/2017	72296	2507	GRANGER BRUCE	3	18.84	5.00	\$94.20			
1/31/2017	72296	1029	DUMP TRUCK-2006	1	49.36	5.00		\$246.80		
1/31/2017	72296	1809	PERKINS ROGER L	3	21.78	5.00	\$108.90			
1/31/2017	72296	0981	PICKUP	1	18.86	5.00		\$94.30		
Road Id - 000949- MAYO CIRCLE										
Activity Id -350 Ditching										
Road District -4										
1/18/2017	72287	1217	NORTON STEVE A	3	34.20	4.00	\$96.80			
1/18/2017	72287	1052	EXCAVATOR-WHEELED	1	148.69	4.00		\$594.76		
1/18/2017	72287	1381	SALERS WILLIAM R	3	21.90	5.00	\$109.50			
1/18/2017	72287	0952	DUMP TRUCK-FLATBED	1	49.36	5.00		\$246.80		
1/18/2017	72287	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			

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Project Id - 28-002-1BOW MAINTENANCE-DRAINAGE-DITCH/SHOULDER										
Road Id - 000049-c MAYO CIRCLE										
Activity Id 350 Ditching										
Road District -4										
5/18/2017	72287	1067	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
5/19/2017	72288	1217	NORTON STEVE A	3	24.20	5.00	\$121.00			
5/19/2017	72288	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
5/19/2017	72288	1581	SALERS WILLIAM R	3	21.90	5.00	\$109.50			
5/19/2017	72288	0952	DUMP TRUCK--FLATBED	1	49.36	5.00		\$246.80		
5/19/2017	72288	1144	HEARD ERIC W	3	24.69	4.00	\$98.76			
5/19/2017	72288	1067	DUMP TRUCK--2016 MACK	1	104.81	4.00		\$419.24		
5/24/2017	72291	1217	NORTON STEVE A	3	24.20	5.00	\$121.00			
5/24/2017	72291	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
5/24/2017	72291	1581	SALERS WILLIAM R	3	21.90	5.00	\$109.50			
5/24/2017	72291	0952	DUMP TRUCK--FLATBED	1	49.36	5.00		\$246.80		
5/24/2017	72291	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			
5/24/2017	72291	1067	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
Road Id - 000058-c MAYO ROAD										
Activity Id 350 Ditching										
Road District -4										
5/12/2017	72283	1217	NORTON STEVE A	3	24.20	5.00	\$121.00			
5/12/2017	72283	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
5/12/2017	72283	1581	SALERS WILLIAM R	3	21.90	4.00	\$87.60			
5/12/2017	72283	0952	DUMP TRUCK--FLATBED	1	49.36	4.00		\$197.44		
5/12/2017	72283	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			
5/12/2017	72283	1067	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
5/17/2017	72286	1217	NORTON STEVE A	3	24.20	3.00	\$72.60			
5/17/2017	72286	1052	EXCAVATOR--WHEELED	1	148.69	3.00		\$446.07		
5/17/2017	72286	1581	SALERS WILLIAM R	3	21.90	3.00	\$65.70			
5/17/2017	72286	0952	DUMP TRUCK--FLATBED	1	49.36	3.00		\$148.08		
5/17/2017	72286	1144	HEARD ERIC W	3	24.69	3.00	\$74.07			
5/17/2017	72286	1067	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.43		
5/18/2017	72287	1217	NORTON STEVE A	3	24.20	4.00	\$96.80			
5/18/2017	72287	1052	EXCAVATOR--WHEELED	1	148.69	4.00		\$794.76		
5/18/2017	72287	1581	SALERS WILLIAM R	3	21.90	5.00	\$109.50			
5/18/2017	72287	0952	DUMP TRUCK--FLATBED	1	49.36	5.00		\$246.80		
5/18/2017	72287	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			
5/18/2017	72287	1067	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
Road Id - 000051-c MAYO ROAD SOUTH										
Activity Id 350 Ditching										
Road District -4										
5/9/2017	72280	1217	NORTON STEVE A	3	24.20	10.00	\$242.00			
5/9/2017	72280	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
5/9/2017	72280	1581	SALERS WILLIAM R	3	21.90	10.00	\$219.00			
5/9/2017	72280	0952	DUMP TRUCK--FLATBED	1	45.41	10.00		\$454.10		
5/9/2017	72280	1144	HEARD ERIC W	3	24.69	10.00	\$246.90			
5/9/2017	72280	1067	DUMP TRUCK--2016 MACK	1	104.81	10.00		\$1,048.10		
5/11/2017	72282	1217	NORTON STEVE A	3	24.20	3.00	\$72.60			
5/11/2017	72282	1052	EXCAVATOR--WHEELED	1	148.69	3.00		\$446.07		
5/11/2017	72282	1581	SALERS WILLIAM R	3	21.90	3.00	\$65.70			
5/11/2017	72282	0952	DUMP TRUCK--FLATBED	1	49.36	3.00		\$148.08		
5/11/2017	72282	1144	HEARD ERIC W	3	24.69	3.00	\$74.07			
5/11/2017	72282	1067	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.43		
5/11/2017	72282	1491	NAIL JAMES	3	22.71	3.00	\$68.13			
5/11/2017	72282	1068	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.43		
5/11/2017	72282	2527	ALLEN JORDAN	3	16.54	3.00	\$49.64			
5/11/2017	72282	1040	BACKHOE--2013 CAT 430F	1	61.73	3.00		\$185.19		
5/11/2017	72282	1000	TRAILER--2009	1	12.47	3.00		\$37.41		
5/12/2017	72283	1217	NORTON STEVE A	3	24.20	5.00	\$121.00			

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Date	DJ ID	ID	Description	Rate ID	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project ID - 28-002-180W MAINTENANCE-DRAINAGE,DITCH&SHOULDER										
Road ID - 001051- MAYO ROAD SOUTH										
Activity ID 250 Ditching										
Road District -4										
1/12/2017	72283	1052	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
1/12/2017	72283	1381	SALERS WILLIAM R	3	21.90	4.00	\$87.60			
1/12/2017	72283	0952	DUMP TRUCK-FLATBED	1	49.36	4.00		\$197.44		
1/12/2017	72283	1144	HEARD ERIC W	3	34.69	5.00	\$173.45			
1/12/2017	72283	1067	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
Road ID - 001052- MCBRAYER LANE										
Activity ID 250 Ditching										
Road District -1										
2/8/2017	72304	0027	BRYANT JERRY A	3	30.20	10.00	\$302.00			
2/8/2017	72304	0997	DUMP TRUCK-2008	1	49.36	10.00		\$493.60		
2/8/2017	72304	1041	BACKHOE-2015 CAT 430F	1	61.73	10.00		\$617.30		
2/8/2017	72304	1809	PERKINS ROGER L	3	21.78	10.00	\$217.80			
2/8/2017	72304	1029	DUMP TRUCK-2006	1	49.36	10.00		\$493.60		
2/8/2017	72304	2307	GRANGER BRUCE	3	18.84	10.00	\$188.40			
2/8/2017	72304	0816	PICKUP	1	14.42	10.00		\$144.20		
2/8/2017	72304	2328	CATLING LEVAR	3	19.01	10.00	\$190.10			
2/8/2017	72304	1239	FROST RANDALL C	3	30.54	10.00	\$305.40			
2/8/2017	72304	1054	PICKUP-2012 FORD F150	1	18.86	10.00		\$188.60		
2/9/2017	72305	0027	BRYANT JERRY A	3	30.20	10.00	\$302.00			
2/9/2017	72305	0997	DUMP TRUCK-2008	1	49.36	10.00		\$493.60		
2/9/2017	72305	1042	BACKHOE-2015 CAT 430F	1	61.73	10.00		\$617.30		
2/9/2017	72305	2307	GRANGER BRUCE	3	18.84	10.00	\$188.40			
2/9/2017	72305	1029	DUMP TRUCK-2006	1	49.36	10.00		\$493.60		
Road ID - 001056- MCCLENDON ROAD										
Activity ID 250 Ditching										
Road District -3										
12/7/2016	72256	2321	HILL AMOS	3	20.27	5.00	\$101.35			
12/7/2016	72256	1042	BACKHOE-2015 CAT 430F	1	61.73	5.00		\$308.65		
12/7/2016	72256	2312	SHIELER DAVID	3	16.77	5.00	\$83.85			
12/7/2016	72256	1069	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
12/7/2016	72256	0679	KILLEY DONALD R	3	30.17	5.00	\$150.85			
12/7/2016	72256	0983	PICKUP	1	14.93	5.00		\$74.65		
Road ID - 001070- MCCLAIN CIRCLE										
Activity ID 250 Ditching										
Road District -3										
2/2/2017	72299	1317	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
2/2/2017	72299	1056	PICKUP-2012 FORD F150	1	18.86	10.00		\$188.60		
2/2/2017	72299	0540	WILLIAMS SPENCER B	3	32.69	10.00	\$326.90			
2/2/2017	72299	1003	TRUCK-2007 FORD F150	1	18.86	10.00		\$188.60		
2/2/2017	72299	0027	BRYANT JERRY A	3	30.20	10.00	\$302.00			
2/2/2017	72299	0997	DUMP TRUCK-2008	1	49.36	10.00		\$493.60		
2/2/2017	72299	1041	BACKHOE-2015 CAT 430F	1	61.73	10.00		\$617.30		
2/2/2017	72299	1809	PERKINS ROGER L	3	21.78	10.00	\$217.80			
2/2/2017	72299	1029	DUMP TRUCK-2006	1	49.36	10.00		\$493.60		
2/2/2017	72299	2307	GRANGER BRUCE	3	18.84	10.00	\$188.40			
2/2/2017	72299	0816	PICKUP	1	14.42	10.00		\$144.20		
Road ID - 001079- MEADOW LANE										
Activity ID 250 Ditching										
Road District -3										
2/6/2017	72302	1217	NORTON STEVE A	3	24.20	1.50	\$36.30			
2/6/2017	72302	1052	EXCAVATOR-WHEELED	1	148.69	1.50		\$223.04		
2/6/2017	72302	1381	SALERS WILLIAM R	3	21.90	1.50	\$32.85			
2/6/2017	72302	0952	DUMP TRUCK-FLATBED	1	49.36	1.50		\$74.04		
2/6/2017	72302	1144	HEARD ERIC W	3	34.69	1.50	\$57.04			
2/6/2017	72302	1067	DUMP TRUCK-2016 MACK	1	104.81	1.50		\$157.22		

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Date	DI#	ID	Description	Rate ID	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project ID - 28-003-180W MAINTENANCE-DRAINAGE-DITCH/SHOULDER										
Road ID - 000094- MILL HILL ROAD										
Activity ID 358 Ditching										
Road District - 3										
12/19/2016	72265	2127	ALLEN JORDAN	3	16.38	2.00	\$32.76			
12/19/2016	72265	1080	BACKHOE-2015 CAT 430F	1	61.73	2.00		\$123.46		
12/19/2016	72265	1000	TRAILER-2009	1	12.47	2.00		\$24.94		
12/19/2016	72265	1001	DUMP TRUCK-2010	1	47.93	2.00		\$95.86		
12/19/2016	72265	1491	NAIL JAMES	3	22.43	2.00	\$44.86			
12/19/2016	72265	1068	DUMP TRUCK-2016 MACK	1	104.81	2.00		\$209.62		
12/19/2016	72265	2521	HILL AMOS	3	20.27	2.00	\$40.54			
12/19/2016	72265	1063	BACKHOE-2015 CAT 430F	1	61.73	2.00		\$123.46		
12/19/2016	72265	2112	SHRELLER DAVID	3	16.77	2.00	\$33.54			
12/19/2016	72265	1069	DUMP TRUCK-2016 MACK	1	104.81	2.00		\$209.62		
12/19/2016	72265	1217	NORTON STEVE A	3	23.92	2.00	\$47.84			
12/19/2016	72265	1052	EXCAVATOR-WHEELED	1	148.69	2.00		\$297.38		
12/19/2016	72265	1581	SALERS WILLIAM R	3	21.62	2.00	\$43.24			
12/19/2016	72265	1020	DUMP TRUCK-2003	1	45.15	2.00		\$90.30		
12/19/2016	72265	1144	HEARD ERIC W	3	24.40	2.00	\$48.80			
12/19/2016	72265	1067	DUMP TRUCK-2016 MACK	1	104.81	2.00		\$209.62		
Road ID - 002005- MINSHEW DRIVE										
Activity ID 358 Ditching										
Road District - 3										
3/16/2017	72313	1217	NORTON STEVE A	3	24.20	3.00	\$72.60			
3/16/2017	72313	1052	EXCAVATOR-WHEELED	1	148.69	3.00		\$446.07		
3/16/2017	72313	1144	HEARD ERIC W	3	24.69	3.00	\$74.07			
3/16/2017	72313	1067	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.43		
3/21/2017	72313	1217	NORTON STEVE A	3	24.20	5.00	\$121.00			
3/21/2017	72313	1052	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
3/21/2017	72313	1581	SALERS WILLIAM R	3	21.90	5.00	\$109.50			
3/21/2017	72313	0952	DUMP TRUCK-FLATBED	1	49.36	5.00		\$246.80		
3/21/2017	72313	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			
3/21/2017	72313	1067	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
3/21/2017	72313	1324	KUHN RICHARD A	3	27.90	5.00	\$139.50			
3/21/2017	72313	1053	PICKUP-2012 FORD F150	1	18.86	5.00		\$94.30		
Road ID - 002043- MOUNTAIN RIDGE ROAD										
Activity ID 358 Ditching										
Road District - 4										
12/12/2016	72259	2527	ALLEN JORDAN	3	16.38	3.00	\$49.14			
12/12/2016	72259	1080	BACKHOE-2015 CAT 430F	1	61.73	3.00		\$185.19		
12/12/2016	72259	1000	TRAILER-2009	1	12.47	3.00		\$37.41		
12/12/2016	72259	1001	DUMP TRUCK-2010	1	47.93	3.00		\$143.79		
Road ID - 002050- MT. PINGAH RD										
Activity ID 358 Ditching										
Road District - 2										
5/17/2017	72286	1530	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
5/17/2017	72286	1053	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
5/17/2017	72286	2523	SEARS MARQUETTE	3	16.54	5.00	\$82.70			
5/17/2017	72286	1029	DUMP TRUCK-2006	1	49.36	5.00		\$246.80		
5/17/2017	72286	2528	CATTILINO LEVAR	3	19.01	5.00	\$95.05			
5/17/2017	72286	1004	TRUCK-PICK UP FLAT CREW	1	26.78	5.00		\$133.90		
5/18/2017	72287	1530	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
5/18/2017	72287	1053	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
5/18/2017	72287	2523	SEARS MARQUETTE	3	16.54	5.00	\$82.70			
5/18/2017	72287	1024	ASPHALT PATCHER-2003	1	44.56	5.00		\$222.80		
5/18/2017	72287	2528	CATTILINO LEVAR	3	19.01	5.00	\$95.05			
5/18/2017	72287	1004	TRUCK-PICK UP FLAT CREW	1	26.78	5.00		\$133.90		
5/19/2017	72288	1530	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
5/19/2017	72288	1053	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002-180W MAINTENANCE-DRAINAGE,BETCHLSHOULDER										
Road Id - 002050 - MT. PISGAH RD										
Activity Id 358 Ditching										
Road District - J										
1/19/2017	72288	2123	SEARS MARQUETTE	3	16.54	5.00	\$82.70			
1/19/2017	72288	1029	DUMP TRUCK--2006	1	49.36	3.00		\$246.80		
1/19/2017	72288	2128	CATTLING LEVAR	3	19.01	5.00	\$95.05			
1/19/2017	72288	1004	TRUCK-PICK UP FLAT CREW	1	26.78	5.00		\$133.90		
1/24/2017	72291	1330	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
1/24/2017	72291	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
1/24/2017	72291	1809	PERKINS ROGER L	3	21.78	5.00	\$108.90			
1/24/2017	72291	2128	CATTLING LEVAR	3	19.01	5.00	\$95.05			
1/24/2017	72291	0981	PICKUP	1	18.86	5.00		\$94.30		
Road Id - 002051 - MT. PLEASANT ROAD										
Activity Id 358 Ditching										
Road District - J										
3/14/2017	72309	1217	NORTON STEVE A	3	24.20	10.00	\$242.00			
3/14/2017	72309	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
3/14/2017	72309	1144	HEARD ERIC W	3	24.69	10.00	\$246.90			
3/14/2017	72309	1067	DUMP TRUCK--2016 MACK	1	104.81	10.00		\$1,048.10		
3/14/2017	72309	1324	KUHN RICHARD A	3	27.90	10.00	\$279.00			
3/14/2017	72309	1055	PICKUP--2012 FORD F150	1	18.86	10.00		\$188.60		
3/15/2017	72310	1144	HEARD ERIC W	3	24.69	6.00	\$148.14			
3/15/2017	72310	1067	DUMP TRUCK--2016 MACK	1	104.81	6.00		\$628.86		
3/15/2017	72310	1217	NORTON STEVE A	3	24.20	10.00	\$242.00			
3/15/2017	72310	1052	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
Road Id - 002055 - MURDOCK ROAD										
Activity Id 358 Ditching										
Road District - J										
10/26/2016	72220	2121	HILL AMOS	3	20.27	10.00	\$202.70			
10/26/2016	72220	1043	BACKHOE--2015 CAT 40W	1	61.73	10.00		\$617.30		
10/26/2016	72220	1000	TRAILER--2009	1	12.47	10.00		\$124.70		
10/26/2016	72220	1001	DUMP TRUCK--2010	1	47.93	10.00		\$479.30		
10/26/2016	72220	2112	SHEELER DAVID	3	16.77	10.00	\$167.70			
10/26/2016	72220	1069	DUMP TRUCK--2016 MACK	1	104.81	10.00		\$1,048.10		
10/26/2016	72220	0679	KELLEY DONALD R	3	30.17	10.00	\$301.70			
10/26/2016	72220	0983	PICKUP	1	14.93	10.00		\$149.30		
Road Id - 002056 - MURPHREE ROAD										
Activity Id 358 Ditching										
Road District - J										
3/9/2017	72310	1324	KUHN RICHARD A	3	27.90	3.00	\$179.30			
3/9/2017	72310	1055	PICKUP--2012 FORD F150	1	18.86	3.00		\$94.30		
3/9/2017	72310	1217	NORTON STEVE A	3	24.20	5.00	\$121.00			
3/9/2017	72310	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
3/9/2017	72310	1381	SALERS WILLIAM R	3	21.90	3.00	\$109.50			
3/9/2017	72310	0952	DUMP TRUCK--FLATBED	1	49.36	3.00		\$246.80		
Road Id - 002077 - NEW HOPE ROAD										
Activity Id 358 Ditching										
Road District - J										
2/7/2017	72303	1317	WASHINGTON ROBERT E	3	27.93	2.50	\$69.83			
2/7/2017	72303	1005	TRUCK--2007 FORD F150	1	18.86	2.50		\$47.15		
2/7/2017	72303	0027	BRYANT JERRY A	3	30.20	2.50	\$75.50			
2/7/2017	72303	0997	DUMP TRUCK--2008	1	49.36	2.50		\$123.40		
2/7/2017	72303	2128	CATTLING LEVAR	3	19.01	2.50	\$47.53			
2/7/2017	72303	0814	PICKUP	1	14.62	2.50		\$36.05		
2/7/2017	72303	1809	PERKINS ROGER L	3	21.78	2.50	\$54.45			
2/7/2017	72303	1029	DUMP TRUCK--2006	1	49.36	2.50		\$123.40		
2/7/2017	72303	1330	GUTHERY THOMAS	3	21.10	2.50	\$52.75			
2/7/2017	72303	1053	EXCAVATOR--WHEELED	1	148.69	2.50		\$371.73		

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Project Id - 28-082- FLOW MAINTENANCE-DRAINAGE,DITCH,SHOULDER										
Road Id - 002077- NEW HOPE ROAD										
Activity Id -J50 Ditching										
Road District -1										
2/3/2017	72303	1041	BACKHOE-2013 CAT 40HF	1	61.73	2.50		\$154.33		
2/3/2017	72303	1468	DUTTON CLAUDE C	3	18.56	2.50	\$46.40			
2/3/2017	72303	1064	DUMP TRUCK-2016 MACK	1	104.81	2.50		\$262.03		
2/3/2017	72303	2126	CARROLL MARCUS	3	18.38	2.50	\$45.95			
2/3/2017	72303	0981	PICKUP	1	18.86	2.50		\$47.15		
2/3/2017	72303	2115	STOWERS SHEA	3	20.62	2.50	\$51.55			
2/13/2017	72308	1259	FROST RANDALL C	3	30.54	5.00	\$152.70			
2/13/2017	72308	1054	PICKUP-2012 FORD F150	1	18.86	5.00		\$94.30		
2/13/2017	72308	0027	BRYANT JERRY A	3	30.20	5.00	\$151.00			
2/13/2017	72308	0997	DUMP TRUCK-2008	1	49.36	5.00		\$246.80		
2/13/2017	72308	1809	PERKINS ROGER L	3	21.78	5.00	\$108.90			
2/13/2017	72308	1029	DUMP TRUCK-2006	1	49.36	5.00		\$246.80		
2/13/2017	72308	2115	STOWERS SHEA	3	20.62	5.00	\$103.10			
2/13/2017	72308	0817	PICKUP	1	14.42	5.00		\$72.10		
2/13/2017	72308	1041	BACKHOE-2013 CAT 40HF	1	61.73	5.00		\$308.65		
Road Id - 002081- NICHOLS ROAD										
Activity Id -J50 Ditching										
Road District -4										
12/19/2016	72265	2127	ALLEN JORDAN	3	16.38	2.00	\$32.76			
12/19/2016	72265	1040	BACKHOE-2013 CAT 40HF	1	61.73	2.00		\$123.46		
12/19/2016	72265	2127	ALLEN JORDAN	3	16.38	2.00	\$32.76			
12/19/2016	72265	1000	TRAILER-2009	1	12.47	2.00		\$24.94		
12/19/2016	72265	1001	DUMP TRUCK-2010	1	47.93	2.00		\$95.86		
12/19/2016	72265	1491	NAIL JAMES	3	22.43	2.00	\$44.86			
12/19/2016	72265	1068	DUMP TRUCK-2016 MACK	1	104.81	2.00		\$209.62		
12/19/2016	72265	2121	HILL AMOS	3	20.27	2.00	\$40.54			
12/19/2016	72265	1043	BACKHOE-2013 CAT 40HF	1	61.73	2.00		\$123.46		
12/19/2016	72265	2112	SHEELER DAVID	3	16.77	2.00	\$33.54			
12/19/2016	72265	1069	DUMP TRUCK-2016 MACK	1	104.81	2.00		\$209.62		
12/19/2016	72265	1217	NORTON STEVE A	3	23.92	2.00	\$47.84			
12/19/2016	72265	1052	EXCAVATOR-WHEELED	1	148.69	2.00		\$297.38		
12/19/2016	72265	1181	SALERS WILLIAM R	3	21.62	2.00	\$43.24			
12/19/2016	72265	1020	DUMP TRUCK-2003	1	45.15	2.00		\$90.30		
12/19/2016	72265	1144	HEARD ERIC W	3	24.40	2.00	\$48.80			
12/19/2016	72265	1067	DUMP TRUCK-2016 MACK	1	104.81	2.00		\$209.62		
Road Id - 002106- OAK GROVE ROAD										
Activity Id -J50 Ditching										
Road District -3										
3/30/2017	72348	1124	KUHN RICHARD A	3	27.90	2.50	\$69.75			
3/30/2017	72348	1055	PICKUP-2012 FORD F150	1	18.86	2.50		\$47.15		
3/30/2017	72348	2127	ALLEN JORDAN	3	16.54	2.50	\$41.36			
3/30/2017	72348	1040	BACKHOE-2013 CAT 40HF	1	61.73	2.50		\$154.33		
3/30/2017	72348	2112	SHEELER DAVID	3	16.92	2.50	\$42.30			
3/30/2017	72348	1072	TRUCK-2011 FORD F550	1	34.57	2.50		\$86.43		
3/30/2017	72348	1000	TRAILER-2009	1	12.47	2.50		\$31.18		
3/30/2017	72348	1001	DUMP TRUCK-2010	1	49.36	2.50		\$123.40		
3/30/2017	72348	1491	NAIL JAMES	3	22.71	2.50	\$56.78			
Road Id - 002117- OLD CAMP ROAD										
Activity Id -J50 Ditching										
Road District -2										
12/3/2016	72216	2126	CARROLL MARCUS	3	17.83	1.50	\$26.75			
12/3/2016	72216	0998	DUMP TRUCK-2008 GMC	1	47.19	1.50		\$70.79		
12/3/2016	72216	2303	GIPSON ADAM	3	19.60	1.50	\$29.40			
12/3/2016	72216	1029	DUMP TRUCK-2006	1	46.35	1.50		\$69.53		
12/3/2016	72216	2123	SEARS MARQUETTE	3	16.41	1.50	\$24.63			

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Project Id - 28-002-180W MAINTENANCE-DRAINAGE,DITCH&SHOULDER										
Road Id - 002117- OLD CAMP ROAD										
Activity Id -358 Ditching										
Road District -2										
12/7/2016	72256	0981	PICKUP	1	18.31	1.50		\$27.47		
12/7/2016	72256	1330	GUTHRY THOMAS	3	20.95	1.50	\$31.43			
12/7/2016	72256	1053	EXCAVATOR-WHEELED	1	148.69	1.50		\$223.04		
12/7/2016	72256	1468	DUTTON CLAUDE C	3	18.40	1.50	\$27.60			
12/7/2016	72256	1094	DUMP TRUCK-2016 MACK	1	104.81	1.50		\$157.22		
12/7/2016	72256	2515	STOWERS SHEA	3	20.48	1.50	\$30.72			
12/7/2016	72256	1051	TRUCK-2008 FORD F450	1	27.92	1.50		\$41.88		
12/7/2016	72256	1041	BACKHOE-2013 CAT 400F	1	61.73	1.50		\$92.60		
12/7/2016	72256	2528	CATTLING LEVAR	3	18.81	1.50	\$28.22			
12/7/2016	72256	2534	WINN TOMMY L	3	16.05	1.50	\$24.08			
Road Id - 002120- OLD GALLANT ROAD										
Activity Id -358 Ditching										
Road District -4										
1/23/2017	72290	2527	ALLEN JORDAN	3	16.34	1.00	\$16.35			
1/23/2017	72290	1040	BACKHOE-2015 CAT 400F	1	61.73	1.00		\$61.73		
1/23/2017	72290	2512	SHRELLER DAVID	3	16.92	1.00	\$16.92			
1/23/2017	72290	1069	DUMP TRUCK-2016 MACK	1	104.81	1.00		\$104.81		
1/23/2017	72290	1491	NAIL JAMES	3	22.71	1.00	\$22.71			
1/23/2017	72290	1068	DUMP TRUCK-2016 MACK	1	104.81	1.00		\$104.81		
1/23/2017	72290	1000	TRAILER-2009	1	12.47	1.00		\$12.47		
1/23/2017	72290	1001	DUMP TRUCK-2010	1	49.36	1.00		\$49.36		
Road Id - 002140- OTWELL ROAD										
Activity Id -358 Ditching										
Road District -2										
1/24/2017	72291	1196	PATTERSON WILLIAM J	3	21.19	3.00	\$63.57			
1/24/2017	72291	0943	PICKUP-2001 DODGE RAM	1	14.42	3.00		\$43.26		
1/24/2017	72291	2526	CARROLL MARCUS	3	18.38	3.00	\$55.14			
1/24/2017	72291	1042	BACKHOE-2015 CAT 400F	1	61.73	3.00		\$185.19		
Road Id - 002143- OVERLOOK ROAD										
Activity Id -358 Ditching										
Road District -3										
3/28/2017	72346	1217	NORTON STEVE A	3	24.20	5.00	\$121.00			
3/28/2017	72346	1052	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
3/28/2017	72346	1044	BLAIR ERIC W	3	24.69	5.00	\$123.45			
3/28/2017	72346	1067	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
Road Id - 002148- OWENS SWITCH ROAD										
Activity Id -358 Ditching										
Road District -2										
3/29/2017	72347	2507	GRANDER BRUCE	3	18.84	4.00	\$75.36			
3/29/2017	72347	0997	DUMP TRUCK-2008	1	49.36	4.00		\$197.44		
3/29/2017	72347	1041	BACKHOE-2015 CAT 400F	1	61.73	4.00		\$246.92		
3/29/2017	72347	1809	PERKINS ROGER L	3	21.78	4.00	\$87.12			
3/29/2017	72347	0943	PICKUP-2001 DODGE RAM	1	14.42	4.00		\$57.68		
3/29/2017	72347	2534	WINN TOMMY L	3	16.19	4.00	\$64.76			
Road Id - 002149- OWLS HOLLOW ROAD										
Activity Id -358 Ditching										
Road District -2										
12/13/2016	72260	2526	CARROLL MARCUS	3	17.83	10.00	\$178.30			
12/13/2016	72260	0998	DUMP TRUCK-2008 (M/C)	1	47.19	10.00		\$471.90		
12/13/2016	72260	1041	BACKHOE-2015 CAT 400F	1	61.73	10.00		\$617.30		
12/13/2016	72260	2505	GEPSON ADAM	3	99.60	10.00	\$996.00			
12/13/2016	72260	1029	DUMP TRUCK-2006	1	46.35	10.00		\$463.50		
12/13/2016	72260	1110	MCLATHA CHARLES K	3	23.94	10.00	\$239.40			
12/13/2016	72260	0981	PICKUP	1	18.31	10.00		\$183.10		
12/13/2016	72260	2528	CATTLING LEVAR	3	18.81	10.00	\$188.10			

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002-180W MAINTENANCE-DRAINAGE/DITCH/SHOULDER										
Road Id - 002149- OWLS HOLLOW ROAD										
Activity Id - 358 Ditching										
Road District - 2										
12/14/2016	72261	2526	CARROLL MARCUS	3	17.83	2.50	\$44.58			
12/14/2016	72261	0998	DUMP TRUCK--2008 GMC	1	47.19	2.50		\$117.98		
12/14/2016	72261	1041	BACKHOE--2015 CAT 400F	1	61.73	2.50		\$154.33		
12/14/2016	72261	2528	CATTLING LEVAR	3	18.81	2.50	\$47.03			
12/14/2016	72261	0981	PICKUP	1	18.31	2.50		\$45.78		
12/14/2016	72261	2505	GIBSON ADAM	3	19.60	2.50	\$49.00			
12/14/2016	72261	1029	DUMP TRUCK--2006	1	46.35	2.50		\$115.88		
1/25/2017	72292	2526	CARROLL MARCUS	3	18.38	10.00	\$183.80			
1/25/2017	72292	0998	DUMP TRUCK--2008 GMC	1	49.36	10.00		\$493.60		
1/25/2017	72292	1042	BACKHOE--2015 CAT 400F	1	61.73	10.00		\$617.30		
1/25/2017	72292	2507	GRANGER BRUCE	3	18.84	10.00	\$188.40			
1/25/2017	72292	0882	DUMP TRUCK--FLAT BED	1	49.36	10.00		\$493.60		
1/31/2017	72296	2526	CARROLL MARCUS	3	18.38	10.00	\$183.80			
1/31/2017	72296	1053	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
1/31/2017	72296	2505	GIBSON ADAM	3	19.88	10.00	\$198.80			
1/31/2017	72296	1064	DUMP TRUCK--2016 MACK	1	104.81	10.00		\$1,048.10		
1/31/2017	72296	2513	STOWERS SHEA	3	20.62	10.00	\$206.20			
1/31/2017	72296	0817	PICKUP	1	14.42	10.00		\$144.20		
1/31/2017	72296	1517	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
1/31/2017	72296	1005	TRUCK--2007 FORD F150	1	18.86	10.00		\$188.60		
1/31/2017	72296	0540	WILLIAMS SPENCER B	3	32.69	10.00	\$326.90			
1/31/2017	72296	1056	PICKUP--2012 FORD F150	1	18.86	10.00		\$188.60		
3/13/2017	72333	1517	WASHINGTON ROBERT E	3	27.93	5.00	\$139.65			
3/13/2017	72333	1005	TRUCK--2007 FORD F150	1	18.86	5.00		\$94.30		
3/13/2017	72333	0827	BRYANT JERRY A	3	30.20	5.00	\$151.00			
3/13/2017	72333	0997	DUMP TRUCK--2008	1	49.36	5.00		\$246.80		
3/13/2017	72333	1041	BACKHOE--2015 CAT 400F	1	61.73	5.00		\$308.65		
3/13/2017	72333	1809	PERKINS ROGER L	3	21.78	5.00	\$108.90			
3/13/2017	72333	1065	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
3/29/2017	72347	1517	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
3/29/2017	72347	1005	TRUCK--2007 FORD F150	1	18.86	10.00		\$188.60		
3/29/2017	72347	2528	CATTLING LEVAR	3	19.01	10.00	\$190.10			
3/29/2017	72347	1053	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
3/29/2017	72347	2505	GIBSON ADAM	3	19.88	10.00	\$198.80			
3/29/2017	72347	1064	DUMP TRUCK--2016 MACK	1	104.81	10.00		\$1,048.10		
3/29/2017	72347	2535	FUGATT TERRY	3	18.76	10.00	\$187.60			
3/29/2017	72347	1031	TRUCK--2008 FORD F450	1	29.08	10.00		\$290.80		
3/29/2017	72348	2528	CATTLING LEVAR	3	19.01	10.00	\$190.10			
3/29/2017	72348	1053	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
3/29/2017	72348	2505	GIBSON ADAM	1	12.73	10.00	\$127.30			
3/29/2017	72348	1064	DUMP TRUCK--2016 MACK	1	104.81	10.00		\$1,048.10		
3/29/2017	72348	2535	FUGATT TERRY	3	18.76	10.00	\$187.60			
3/29/2017	72348	1031	TRUCK--2008 FORD F450	1	29.08	10.00		\$290.80		
3/29/2017	72348	1110	MCGATHA CHARLES K	3	24.22	10.00	\$242.20			
3/29/2017	72348	1517	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
3/29/2017	72348	1005	TRUCK--2007 FORD F150	1	18.86	10.00		\$188.60		
3/29/2017	72348	2507	GRANGER BRUCE	3	18.84	10.00	\$188.40			
Road Id - 002165- PATTERSON DRIVE										
Activity Id - 358 Ditching										
Road District - 2										
3/26/2017	72336	0827	BRYANT JERRY A	3	30.20	4.00	\$120.80			
3/26/2017	72336	0997	DUMP TRUCK--2008	1	49.36	4.00		\$197.44		
3/26/2017	72336	1809	PERKINS ROGER L	3	21.78	4.00	\$87.12			
3/26/2017	72336	1029	DUMP TRUCK--2006	1	49.36	4.00		\$197.44		
3/26/2017	72336	1041	BACKHOE--2015 CAT 400F	1	61.73	4.00		\$246.92		

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Project Id - 28-002-180W MAINTENANCE-DRAINAGE-DITCH/SHOULDER										
Road Id - 002165- PATTERSON DRIVE										
Activity Id 358 Ditching										
Road District -2										
3/16/2017	72334	1201	TURNER ADRIAN J	3	24.20	4.00	\$96.80			
Road Id - 002176- PAYNE ROAD										
Activity Id 358 Ditching										
Road District -4										
1/9/2017	72280	1491	NAB JAMES	3	22.71	2.50	\$56.78			
1/9/2017	72280	1068	DUMP TRUCK--2006 MACK	1	104.81	2.50		\$262.03		
1/9/2017	72280	2527	ALLEN JORDAN	3	16.54	2.50	\$41.36			
1/9/2017	72280	1040	BACKHOE--2013 CAT 430F	1	61.73	2.50		\$154.33		
1/9/2017	72280	1000	TRAILER--2009	1	12.47	2.50		\$31.18		
1/9/2017	72280	1001	DUMP TRUCK--2000	1	49.36	2.50		\$123.40		
Road Id - 002177- PEACH TREE LANE										
Activity Id 358 Ditching										
Road District -3										
3/22/2017	72341	1524	KUHN RICHARD A	3	27.90	3.00	\$83.70			
3/22/2017	72341	1855	PICKUP--2012 FORD F150	1	18.86	3.00		\$56.58		
3/22/2017	72341	1213	NORTON STEVE A	3	24.20	5.00	\$121.00			
3/22/2017	72341	1462	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
3/22/2017	72341	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			
3/22/2017	72341	1867	DUMP TRUCK--2006 MACK	1	104.81	5.00		\$524.05		
Road Id - 002214- PINE GROVE ROAD										
Activity Id 358 Ditching										
Road District -2										
1/23/2017	72290	0627	BRYANT JERRY A	3	30.20	5.00	\$151.00			
1/23/2017	72290	0997	DUMP TRUCK--2008	1	49.36	5.00		\$246.80		
1/23/2017	72290	1041	BACKHOE--2013 CAT 430F	1	61.73	5.00		\$308.65		
1/23/2017	72290	2507	GRANGER BRUCE	3	18.84	5.00	\$94.20			
1/23/2017	72290	0981	PICKUP	1	18.86	5.00		\$94.30		
2/14/2017	72309	1239	FROST RANDALL C	3	30.54	5.00	\$152.70			
2/14/2017	72309	1854	PICKUP--2012 FORD F150	1	18.86	5.00		\$94.30		
2/14/2017	72309	1530	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
2/14/2017	72309	1853	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
2/14/2017	72309	1468	DUTTON CLAUDE C	3	18.36	5.00	\$92.80			
2/14/2017	72309	1864	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
2/14/2017	72309	1110	MCGATHA CHARLES K	3	24.22	5.00	\$121.10			
2/14/2017	72309	1831	TRUCK--2008 FORD F450	1	29.08	5.00		\$145.40		
2/14/2017	72309	2528	CATLINO LEVAR	3	19.61	3.00	\$57.83			
2/15/2017	72310	1239	FROST RANDALL C	3	30.54	5.00	\$152.70			
2/15/2017	72310	1854	PICKUP--2012 FORD F150	1	18.86	5.00		\$94.30		
2/15/2017	72310	1530	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
2/15/2017	72310	1853	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
2/15/2017	72310	1468	DUTTON CLAUDE C	3	18.36	5.00	\$92.80			
2/15/2017	72310	1864	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
2/15/2017	72310	2528	CATLINO LEVAR	3	19.61	5.00	\$95.05			
2/15/2017	72310	1831	TRUCK--2008 FORD F450	1	29.08	5.00		\$145.40		
2/15/2017	72310	1110	MCGATHA CHARLES K	3	24.22	5.00	\$121.10			
Road Id - 002240- PINEVIEW CIRCLE										
Activity Id 358 Ditching										
Road District -4										
3/28/2017	72346	1225	POSEY JAMES D	3	24.11	4.00	\$96.44			
3/28/2017	72346	1040	BACKHOE--2013 CAT 430F	1	61.73	4.00		\$246.92		
3/28/2017	72346	2512	SHEELER DAVID	3	16.92	4.00	\$67.68			
3/28/2017	72346	1069	DUMP TRUCK--2016 MACK	1	104.81	4.00		\$419.24		
Road Id - 002259- PLEASANT HILL CHURCH RD										
Activity Id 358 Ditching										
Road District -3										

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Date	DJ ID	ID	Description	Rate ID	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project ID - 28-002-180W MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road ID - 002259- PLEASANT HILL CHURCH RD										
Activity ID -350 Ditching										
Road District -3										
3/29/2017	72347	1217	NORTON STEVE A	3	24.20	10.00	\$242.00			
3/29/2017	72347	1052	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
3/29/2017	72347	1144	HEARD ERIC W	3	24.69	10.00	\$246.90			
3/29/2017	72347	1067	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
3/30/2017	72348	1217	NORTON STEVE A	3	24.20	10.00	\$242.00			
3/30/2017	72348	1052	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
3/30/2017	72348	1144	HEARD ERIC W	3	24.69	10.00	\$246.90			
3/30/2017	72348	1067	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
Road ID - 002260- PLEASANT HILL CUT OFF										
Activity ID -350 Ditching										
Road District -3										
3/23/2017	72342	1217	NORTON STEVE A	3	24.20	5.00	\$121.00			
3/23/2017	72342	1052	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
3/23/2017	72342	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			
3/23/2017	72342	1067	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
3/28/2017	72346	1217	NORTON STEVE A	3	24.20	5.00	\$121.00			
3/28/2017	72346	1052	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
3/28/2017	72346	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			
3/28/2017	72346	1067	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
Road ID - 002261- PLEASANT HILL ROAD										
Activity ID -350 Ditching										
Road District -2										
12/7/2016	72256	2126	CARROLL MARCUS	3	17.83	1.50	\$26.75			
12/7/2016	72256	0998	DUMP TRUCK-2008 GMC	1	47.19	1.50		\$70.79		
12/7/2016	72256	2385	GIPSON ADAM	3	19.60	1.50	\$29.40			
12/7/2016	72256	1029	DUMP TRUCK-2006	1	46.35	1.50		\$69.53		
12/7/2016	72256	2123	SEARS MARQUETTE	3	16.41	1.50	\$24.63			
12/7/2016	72256	0981	PICKUP	1	18.31	1.50		\$27.47		
12/7/2016	72256	1190	GUTHRY THOMAS	3	20.95	1.50	\$31.43			
12/7/2016	72256	1053	EXCAVATOR-WHEELED	1	148.69	1.50		\$223.04		
12/7/2016	72256	1468	DUTTON CLAUDE C	3	18.40	1.50	\$27.60			
12/7/2016	72256	1064	DUMP TRUCK-2016 MACK	1	104.81	1.50		\$157.22		
12/7/2016	72256	2115	STOWERS SHEA	3	20.48	1.50	\$30.72			
12/7/2016	72256	1001	TRUCK-2008 FORD F450	1	27.92	1.50		\$41.88		
12/7/2016	72256	1041	BACKHOE-2015 CAT 40F	1	61.73	1.50		\$92.60		
12/7/2016	72256	2128	CATLING LEVAR	3	18.81	1.50	\$28.22			
12/7/2016	72256	2134	WENN TOMMY L	3	16.05	1.50	\$24.08			
Road ID - 002264- PUCKETT ROAD										
Activity ID -350 Ditching										
Road District -2										
3/9/2017	72330	2115	STOWERS SHEA	3	20.62	4.00	\$82.48			
3/9/2017	72330	1053	EXCAVATOR-WHEELED	1	148.69	4.00		\$594.76		
3/9/2017	72330	2385	GIPSON ADAM	3	19.88	4.00	\$79.52			
3/9/2017	72330	1064	DUMP TRUCK-2016 MACK	1	104.81	4.00		\$419.24		
3/9/2017	72330	2128	CATLING LEVAR	3	19.01	4.00	\$76.04			
3/9/2017	72330	1001	TRUCK-2008 FORD F450	1	29.08	4.00		\$116.32		
3/9/2017	72330	1110	MCGATHA CHARLES K	3	24.22	4.00	\$96.88			
Road ID - 002308- RANDALL ROAD										
Activity ID -350 Ditching										
Road District -4										
3/30/2017	72348	2131	MAYS JIMMY R	3	16.54	5.00	\$82.70			
3/30/2017	72348	1043	BACKHOE-2013 CAT 40F	1	61.73	5.00		\$308.65		
3/30/2017	72348	2137	MCCOY RODNEY	3	16.29	5.00	\$81.45			
3/30/2017	72348	0817	PICKUP	1	14.42	5.00		\$72.10		
Road ID - 002318- RED MOUNTAIN ROAD										

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Project ID - 28-002-180W MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road ID - 002318- RED MOUNTAIN ROAD										
Activity ID 350 Ditching										
Road District -3										
10/27/2016	72221	2121	HILL AMOS	3	20.27	3.00	\$60.81			
10/27/2016	72221	1043	BACKHOE-2013 CAT 40F	1	61.73	3.00		\$185.19		
10/27/2016	72221	2132	SHEELER DAVID	3	16.77	3.00	\$50.31			
10/27/2016	72221	1069	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.43		
10/27/2016	72221	0679	KELLEY DONALD R	3	30.17	3.00	\$90.51			
10/27/2016	72221	0983	PICKUP	1	14.93	3.00		\$44.79		
10/27/2016	72221	1000	TRAILER-2009	1	12.47	3.00		\$37.41		
10/27/2016	72221	1001	DUMP TRUCK-2010	1	47.93	3.00		\$143.79		
Road ID - 002336- HICKLES ROAD										
Activity ID 350 Ditching										
Road District -3										
3/28/2017	72346	2127	ALLEN JORDAN	3	16.54	3.00	\$49.64			
3/28/2017	72346	1044	EXCAVATOR-2015 CAT 340E	1	162.59	3.00		\$307.77		
3/28/2017	72346	1000	TRAILER-2009	1	12.47	3.00		\$37.41		
3/28/2017	72346	1001	DUMP TRUCK-2010	1	49.36	3.00		\$148.08		
3/28/2017	72346	1491	NAEL JAMES	3	22.71	3.00	\$68.13			
3/28/2017	72346	1068	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.43		
Road ID - 002376- ROBERTS ROAD										
Activity ID 350 Ditching										
Road District -3										
12/6/2016	72253	2121	HILL AMOS	3	20.27	3.00	\$60.81			
12/6/2016	72253	1043	BACKHOE-2013 CAT 40F	1	61.73	3.00		\$185.19		
12/6/2016	72253	2132	SHEELER DAVID	3	16.77	3.00	\$50.31			
12/6/2016	72253	1069	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.43		
12/6/2016	72253	0679	KELLEY DONALD R	3	30.17	3.00	\$90.51			
12/6/2016	72253	0983	PICKUP	1	14.93	3.00		\$44.79		
12/6/2016	72253	1000	TRAILER-2009	1	12.47	3.00		\$37.41		
12/6/2016	72253	1001	DUMP TRUCK-2010	1	47.93	3.00		\$143.79		
Road ID - 002385- ROCKLEDGE ROAD										
Activity ID 350 Ditching										
Road District -3										
10/25/2016	72219	2121	HILL AMOS	3	20.27	4.00	\$81.08			
10/25/2016	72219	1043	BACKHOE-2013 CAT 40F	1	61.73	4.00		\$246.92		
10/25/2016	72219	1000	TRAILER-2009	1	12.47	4.00		\$49.88		
10/25/2016	72219	1001	DUMP TRUCK-2010	1	47.93	4.00		\$191.72		
10/25/2016	72219	2132	SHEELER DAVID	3	16.77	4.00	\$67.08			
10/25/2016	72219	1069	DUMP TRUCK-2016 MACK	1	104.81	4.00		\$419.24		
Road ID - 002386- ROCKY FORD ROAD										
Activity ID 350 Ditching										
Road District -2										
12/8/2016	72257	1130	GUTHRIE THOMAS	3	20.93	3.00	\$62.83			
12/8/2016	72257	1053	EXCAVATOR-WHEELED	1	148.69	3.00		\$446.07		
12/8/2016	72257	1468	DUTTON CLAUDE C	3	18.60	3.00	\$55.20			
12/8/2016	72257	1066	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.43		
12/8/2016	72257	2123	SEARS MARQUETTE	3	16.41	3.00	\$49.23			
12/8/2016	72257	1031	TRUCK-2008 FORD F450	1	27.92	3.00		\$83.76		
12/8/2016	72257	2115	STOWERS SHEA	3	20.48	2.00	\$40.96			
3/28/2017	72321	1117	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
3/28/2017	72321	1005	TRUCK-2007 FORD F150	1	18.86	10.00		\$188.60		
3/28/2017	72321	2115	STOWERS SHEA	3	20.62	10.00	\$206.20			
3/28/2017	72321	1053	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
3/28/2017	72321	1468	DUTTON CLAUDE C	3	18.56	10.00	\$185.60			
3/28/2017	72321	1064	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
3/28/2017	72321	2128	CATLING LEVAR	3	39.01	10.00	\$390.10			
3/28/2017	72321	1031	TRUCK-2008 FORD F450	1	29.08	10.00		\$290.80		

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Project ID - 28-002-110W MAINTENANCE-DRAINAGE-DITCH/SHOULDER										
Road ID - 002386-c ROCKY FORD ROAD										
Activity ID -J50 Ditching										
Road District -2										
3/2/2017	72324	1517	WASHINGTON ROBERT E	3	27.95	10.00	\$279.50			
3/2/2017	72324	3005	TRUCK-2007 FORD F150	1	18.86	10.00		\$188.60		
3/2/2017	72324	2515	STOWERS SREA	3	20.62	10.00	\$206.20			
3/2/2017	72324	1053	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
3/2/2017	72324	2528	CATLING LEVAR	3	19.01	10.00	\$190.10			
3/2/2017	72324	1031	TRUCK-2008 FORD F450	1	29.08	10.00		\$290.80		
3/2/2017	72324	2507	GRANGER BRUCE	3	18.84	10.00	\$188.40			
3/2/2017	72324	1066	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
3/2/2017	72324	2534	WISS TOMMY L	3	16.19	10.00	\$161.90			
3/2/2017	72324	0817	PICKUP	1	14.42	10.00		\$144.20		
3/6/2017	72327	2515	STOWERS SREA	3	20.62	5.00	\$103.10			
3/6/2017	72327	1053	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
3/6/2017	72327	2526	CARROLL MARCUS	3	18.38	5.00	\$91.90			
3/6/2017	72327	1064	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
3/6/2017	72327	2528	CATLING LEVAR	3	19.01	5.00	\$95.05			
Road ID - 002388-c ROCKY HOLLOW ROAD										
Activity ID -J50 Ditching										
Road District -4										
3/7/2017	72328	2531	MAYS JIMMY R	3	16.54	7.00	\$115.78			
3/7/2017	72328	1043	BACKHOE-2015 CAT 430F	1	63.73	7.00		\$432.11		
3/7/2017	72328	1000	TRAILER-2009	1	12.47	7.00		\$87.29		
3/7/2017	72328	1000	DUMP TRUCK-2010	1	49.36	7.00		\$345.52		
3/7/2017	72328	2527	ALLEN JORDAN	3	16.54	7.00	\$115.81			
Road ID - 002394-c ROLLING HILLS ROAD										
Activity ID -J50 Ditching										
Road District -2										
3/20/2017	72339	0027	BRYANT FERRY A	3	30.20	10.00	\$302.00			
3/20/2017	72339	0997	DUMP TRUCK-2008	1	49.36	10.00		\$493.60		
3/20/2017	72339	1041	BACKHOE-2015 CAT 430F	1	63.73	10.00		\$637.30		
3/20/2017	72339	1809	PERKINS ROGER L	3	21.78	10.00	\$217.80			
3/20/2017	72339	1065	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
3/20/2017	72339	1299	FROST RANDALL C	3	30.54	10.00	\$305.40			
3/20/2017	72339	1054	PICKUP-2012 FORD F150	1	18.86	10.00		\$188.60		
Road ID - 002434-c ROWAN DRIVE										
Activity ID -J50 Ditching										
Road District -3										
2/27/2017	72320	1217	NORTON STEVE A	3	24.20	10.00	\$242.00			
2/27/2017	72320	1052	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
2/27/2017	72320	1581	SALERS WILLIAM R	3	21.90	10.00	\$219.00			
2/27/2017	72320	0952	DUMP TRUCK-FLATBED	1	49.36	10.00		\$493.60		
2/27/2017	72320	1524	KUBN RICHARD A	3	27.90	10.00	\$279.00			
2/27/2017	72320	1055	PICKUP-2012 FORD F150	1	18.86	10.00		\$188.60		
2/28/2017	72321	1217	NORTON STEVE A	3	24.20	4.00	\$96.80			
2/28/2017	72321	1052	EXCAVATOR-WHEELED	1	148.69	4.00		\$594.76		
2/28/2017	72321	1581	SALERS WILLIAM R	3	21.90	4.00	\$87.60			
2/28/2017	72321	0952	DUMP TRUCK-FLATBED	1	49.36	4.00		\$197.44		
2/28/2017	72321	1524	KUBN RICHARD A	3	27.90	4.00	\$111.60			
2/28/2017	72321	1055	PICKUP-2012 FORD F150	1	18.86	4.00		\$75.44		
Road ID - 002435-c SAMUELS CHAPEL ROAD										
Activity ID -J50 Ditching										
Road District -4										
12/29/2016	72266	2527	ALLEN JORDAN	3	16.38	5.00	\$81.90			
12/29/2016	72266	1040	BACKHOE-2013 CAT 430F	1	63.73	5.00		\$318.65		
12/29/2016	72266	1000	TRAILER-2009	1	12.47	5.00		\$62.35		
12/29/2016	72266	1000	DUMP TRUCK-2010	1	47.93	5.00		\$239.65		

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Date	BJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqs Cost	Mat Cost	Con Cost
Project Id -28-002-FROW MAINTENANCE-DRAINAGE-DITCH/SHOULDER										
Road Id - 002435- SAMUELS CHAPEL ROAD										
Activity Id -J50 Ditching										
Road District -4										
12/29/2016	72266	1491	NAE, JAMES	3	22.43	3.00	\$112.15			
12/29/2016	72266	1068	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.05		
12/28/2016	72267	2527	ALLEN JORDAN	3	16.38	4.00	\$65.52			
12/28/2016	72267	1040	BACKHOE--2015 CAT 430F	1	61.73	4.00		\$246.92		
12/28/2016	72267	1000	TRAILER--2009	1	12.47	4.00		\$49.88		
12/28/2016	72267	1001	DUMP TRUCK--2010	1	47.50	4.00		\$191.72		
12/28/2016	72267	1491	NAE, JAMES	3	22.43	4.00	\$89.72			
12/28/2016	72267	1068	DUMP TRUCK--2016 MACK	1	104.81	4.00		\$419.24		
Road Id - 002437- SAND VALLEY ROAD										
Activity Id -J50 Ditching										
Road District -3										
12/8/2016	72257	2531	MAYS JIMMY R	3	16.39	2.50	\$40.98			
12/8/2016	72257	1043	BACKHOE--2015 CAT 430F	1	61.73	2.50		\$154.33		
12/8/2016	72257	2532	HUFF WALTER B	3	18.38	2.50	\$45.95			
12/8/2016	72257	0933	PICKUP	1	18.07	2.50		\$45.18		
12/8/2016	72257	2512	SHEELER DAVID	3	16.77	2.50	\$41.93			
12/8/2016	72257	1069	DUMP TRUCK--2016 MACK	1	104.81	2.50		\$262.03		
12/8/2016	72257	0679	KELLEY DONALD R	3	30.17	2.50	\$75.43			
12/8/2016	72257	0983	PICKUP	1	14.93	2.50		\$37.33		
12/12/2016	72259	2521	HILL AMOS	3	20.27	2.50	\$50.68			
12/12/2016	72259	1043	BACKHOE--2015 CAT 430F	1	61.73	2.50		\$154.33		
12/12/2016	72259	2512	SHEELER DAVID	3	16.77	2.50	\$41.93			
12/12/2016	72259	1069	DUMP TRUCK--2016 MACK	1	104.81	2.50		\$262.03		
12/12/2016	72259	0679	KELLEY DONALD R	3	30.17	2.50	\$75.43			
12/12/2016	72259	0983	PICKUP	1	14.93	2.50		\$37.33		
3/28/2017	72346	1044	EXCAVATOR--2013 CAT 314E	1	102.59	4.00		\$409.36		
3/28/2017	72346	1000	TRAILER--2009	1	12.47	4.00		\$49.88		
3/28/2017	72346	1001	DUMP TRUCK--2010	1	49.36	4.00		\$197.44		
3/28/2017	72346	1491	NAE, JAMES	3	22.71	4.00	\$90.84			
3/28/2017	72346	1068	DUMP TRUCK--2016 MACK	1	104.81	4.00		\$419.24		
3/30/2017	72348	1534	KUHN RICHARD A	3	27.99	2.50	\$69.73			
3/30/2017	72348	1055	PICKUP--2012 FORD F150	1	18.86	2.50		\$47.15		
3/30/2017	72348	2527	ALLEN JORDAN	3	16.54	2.50	\$41.36			
3/30/2017	72348	1040	BACKHOE--2015 CAT 430F	1	61.73	2.50		\$154.33		
3/30/2017	72348	2512	SHEELER DAVID	3	16.92	2.50	\$42.30			
3/30/2017	72348	1072	TRUCK--2011 FORD F550	1	34.57	2.50		\$61.43		
3/30/2017	72348	1000	TRAILER--2009	1	12.47	2.50		\$31.18		
3/30/2017	72348	1001	DUMP TRUCK--2010	1	49.36	2.50		\$123.40		
3/30/2017	72348	1491	NAE, JAMES	3	22.71	2.50	\$56.78			
Road Id - 002444- SARDES ROAD										
Activity Id -J50 Ditching										
Road District -3										
3/22/2017	72341	0679	KELLEY DONALD R	3	30.45	10.00	\$304.50			
3/22/2017	72341	1044	EXCAVATOR--2013 CAT 314E	1	102.59	10.00		\$1,025.90		
3/22/2017	72341	2527	ALLEN JORDAN	3	16.54	10.00	\$165.44			
3/22/2017	72341	1043	BACKHOE--2015 CAT 430F	1	61.73	10.00		\$617.30		
3/22/2017	72341	1000	TRAILER--2009	1	12.47	10.00		\$124.70		
3/22/2017	72341	1001	DUMP TRUCK--2010	1	49.36	10.00		\$493.60		
Road Id - 002450- SCENIC DRIVE										
Activity Id -J50 Ditching										
Road District -3										
3/1/2017	72298	1217	NORTON STEVE A	3	34.20	3.00	\$122.60			
3/1/2017	72298	1052	EXCAVATOR--WHEELED	1	148.68	3.00		\$446.07		
3/1/2017	72298	1581	SALERS WILLIAM R	3	21.90	3.00	\$65.70			
3/1/2017	72298	0912	DUMP TRUCK--FLATBED	1	49.36	3.00		\$148.08		

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Date	DJ Id	ID	Description	Rate Id	Rate	Units	Emp Cost	Eqp Cost	Mat Cost	Con Cost
Project Id - 28-002-180W MAINTENANCE-DRAINAGE,DITCH,SHOULDER										
Road Id - 002450 - SCENIC DRIVE										
Activity Id -358 Ditching										
Road District -3										
2/1/2017	72298	1144	HEARD ERIC W	3	24.69	3.00	\$74.07			
2/1/2017	72298	1067	DUMP TRUCK--2014 MACK	1	104.81	3.00		\$314.43		
Road Id - 002451 - SCENIC HIGHWAY										
Activity Id -358 Ditching										
Road District -2										
12/8/2016	72257	1196	PATTERSON WILLIAM J	3	21.05	4.00	\$84.20			
12/8/2016	72257	1042	BACKHOE--2015 CAT 430F	1	41.73	4.00		\$246.92		
12/8/2016	72257	1809	PERKINS ROGER L	3	21.49	4.00	\$85.96			
12/8/2016	72257	1065	DUMP TRUCK--2014 MACK	1	104.81	4.00		\$419.24		
12/8/2016	72257	1110	MCGATHA CHARLES K	3	23.94	4.00	\$95.76			
12/8/2016	72257	0943	PICKUP--2001 DODGE RAM	1	13.79	4.00		\$55.16		
12/13/2016	72260	0027	BRYANT JERRY A	3	29.89	5.00	\$149.45			
12/13/2016	72260	0997	DUMP TRUCK--2008	1	47.19	5.00		\$235.95		
12/13/2016	72260	2507	GRANGER BRUCE	3	18.70	5.00	\$93.50			
12/13/2016	72260	1066	DUMP TRUCK--2010 MACK	1	104.81	5.00		\$524.05		
12/13/2016	72260	1196	PATTERSON WILLIAM J	3	21.05	5.00	\$105.25			
12/13/2016	72260	1004	TRUCK-PICK UP FLAT CREW	1	24.91	5.00		\$124.55		
12/13/2016	72260	2524	WISN TOMMY L	3	16.05	5.00	\$80.25			
12/13/2016	72260	1809	PERKINS ROGER L	3	21.49	5.00	\$107.45			
12/13/2016	72260	1042	BACKHOE--2015 CAT 430F	1	41.73	5.00		\$308.65		
1/10/2017	72281	1530	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
1/10/2017	72281	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
1/10/2017	72281	2505	EPSON ADAM	3	19.88	5.00	\$99.40			
1/10/2017	72281	1029	DUMP TRUCK--2006	1	49.36	5.00		\$246.80		
1/10/2017	72281	2528	CATTLING LEVAR	3	19.01	5.00	\$95.05			
1/10/2017	72281	1004	TRUCK-PICK UP FLAT CREW	1	26.78	5.00		\$133.90		
1/11/2017	72282	1530	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
1/11/2017	72282	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
1/11/2017	72282	2523	SEARS MARQUETTE	3	16.54	5.00	\$82.70			
1/11/2017	72282	1029	DUMP TRUCK--2006	1	49.36	5.00		\$246.80		
1/11/2017	72282	2528	CATTLING LEVAR	3	19.01	5.00	\$95.05			
1/11/2017	72282	1031	TRUCK--2008 FORD F450	1	29.08	5.00		\$145.40		
1/12/2017	72283	1530	GUTHERY THOMAS	3	21.10	4.00	\$84.40			
1/12/2017	72283	1053	EXCAVATOR--WHEELED	1	148.69	4.00		\$594.76		
1/12/2017	72283	2528	CATTLING LEVAR	3	19.01	5.00	\$95.05			
1/12/2017	72283	0981	PICKUP	1	18.86	5.00		\$94.30		
1/12/2017	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		
1/13/2017	72284	1530	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
1/13/2017	72284	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
1/13/2017	72284	2523	SEARS MARQUETTE	3	16.54	5.00	\$82.70			
1/13/2017	72284	1029	DUMP TRUCK--2006	1	49.36	5.00		\$246.80		
1/13/2017	72284	2528	CATTLING LEVAR	3	19.01	5.00	\$95.05			
1/13/2017	72284	1004	TRUCK-PICK UP FLAT CREW	1	26.78	5.00		\$133.90		
1/19/2017	72288	0027	BRYANT JERRY A	3	30.20	3.00	\$90.60			
1/19/2017	72288	0997	DUMP TRUCK--2008	1	49.36	3.00		\$148.08		
1/19/2017	72288	2507	GRANGER BRUCE	3	18.84	3.00	\$56.52			
1/19/2017	72288	0981	PICKUP	1	18.86	3.00		\$56.58		
1/19/2017	72288	1809	PERKINS ROGER L	3	21.78	3.00	\$65.34			
1/19/2017	72288	1065	DUMP TRUCK--2014 MACK	1	104.81	3.00		\$314.43		
1/19/2017	72288	1041	BACKHOE--2015 CAT 430F	1	41.73	3.00		\$303.19		
1/24/2017	72291	1530	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
1/24/2017	72291	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
1/24/2017	72291	1809	PERKINS ROGER L	3	21.78	5.00	\$108.90			
1/24/2017	72291	2528	CATTLING LEVAR	3	19.01	5.00	\$95.05			

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Project Id - 28-002 (ROW MAINTENANCE-DRAINAGE-DITCH/SHOULDER										
Road Id - 002491 - SCENIC HIGHWAY										
Activity Id - 350 Ditching										
Road District - 2										
3/04/2017	72291	0993	PICKUP	1	18.86	5.00		\$94.30		
3/16/2017	72311	1517	WASHINGTON ROBERT E	3	27.93	5.00	\$139.65			
3/16/2017	72311	1805	TRUCK--2007 FORD F150	1	18.86	5.00		\$94.30		
3/16/2017	72311	1530	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
3/16/2017	72311	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
3/16/2017	72311	1468	DUTTON CLAUDE C	3	18.56	5.00	\$92.80			
3/16/2017	72311	1064	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
3/16/2017	72311	2528	CATTLING LEVAR	3	19.01	5.00	\$95.05			
3/16/2017	72311	1033	TRUCK--2008 FORD F450	1	29.08	5.00		\$145.40		
3/09/2017	72314	1239	FROST RANDALL C	3	30.34	9.00	\$274.86			
3/09/2017	72314	1054	PICKUP--2012 FORD F150	1	18.86	9.00		\$169.74		
3/09/2017	72314	1530	GUTHERY THOMAS	3	21.10	10.00	\$211.00			
3/09/2017	72314	1053	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
3/09/2017	72314	2515	STOWERS SHEA	3	20.62	10.00	\$206.20			
3/09/2017	72314	1064	DUMP TRUCK--2016 MACK	1	104.81	10.00		\$1,048.10		
3/09/2017	72314	2526	CARROLL MARCUS	3	18.38	10.00	\$183.80			
3/09/2017	72314	1033	TRUCK--2008 FORD F450	1	29.08	10.00		\$290.80		
3/01/2017	72315	1530	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
3/01/2017	72315	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
3/01/2017	72315	1468	DUTTON CLAUDE C	3	18.56	5.00	\$92.80			
3/01/2017	72315	1064	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
3/01/2017	72315	2526	CARROLL MARCUS	3	18.38	5.00	\$91.90			
3/01/2017	72315	1033	TRUCK--2008 FORD F450	1	29.08	5.00		\$145.40		
3/01/2017	72315	1239	FROST RANDALL C	3	30.34	5.00	\$152.70			
3/01/2017	72315	1054	PICKUP--2012 FORD F150	1	18.86	5.00		\$94.30		
Road Id - 002491 - SHELLY LANE										
Activity Id - 350 Ditching										
Road District - 4										
11/02/2016	72229	1217	NORTON STEVE A	3	23.92	5.00	\$119.60			
11/02/2016	72229	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
11/02/2016	72229	1144	BEARD ERIC W	3	24.40	5.00	\$122.00			
11/02/2016	72229	1067	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
11/02/2016	72229	1524	KILLEN RICHARD A	3	27.75	5.00	\$138.75			
11/02/2016	72229	1055	PICKUP--2012 FORD F150	1	18.86	5.00		\$92.95		
Road Id - 002491 - SHINDONE RIDGE ROAD										
Activity Id - 350 Ditching										
Road District - 2										
12/14/2016	72261	2526	CARROLL MARCUS	3	17.83	2.50	\$44.58			
12/14/2016	72261	0998	DUMP TRUCK--2008 GMC	1	47.19	2.50		\$117.98		
12/14/2016	72261	1043	BACKHOE--2005 CAT 430F	1	61.73	2.50		\$154.33		
12/14/2016	72261	2528	CATTLING LEVAR	3	18.81	2.50	\$47.03			
12/14/2016	72261	0993	PICKUP	1	18.33	2.50		\$45.78		
12/14/2016	72261	2505	GIPSON ADAM	3	19.60	2.50	\$49.00			
12/14/2016	72261	1029	DUMP TRUCK--2006	1	46.35	2.50		\$115.88		
1/25/2017	72292	1530	GUTHERY THOMAS	3	21.10	10.00	\$211.00			
1/25/2017	72292	1053	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		
1/25/2017	72292	1468	DUTTON CLAUDE C	3	18.56	10.00	\$185.60			
1/25/2017	72292	1064	DUMP TRUCK--2016 MACK	1	104.81	10.00		\$1,048.10		
1/25/2017	72292	1110	MCGATHA CHARLES K	3	24.22	10.00	\$242.20			
1/25/2017	72292	0993	PICKUP	1	18.86	10.00		\$188.60		
1/25/2017	72292	2528	CATTLING LEVAR	3	19.01	10.00	\$190.10			
1/30/2017	72295	1517	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
1/30/2017	72295	1805	TRUCK--2007 FORD F150	1	18.86	10.00		\$188.60		
1/30/2017	72295	2526	CARROLL MARCUS	3	18.38	10.00	\$183.80			
1/30/2017	72295	1053	EXCAVATOR--WHEELED	1	148.69	10.00		\$1,486.90		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002-180W MAINTENANCE-DRAINAGE,DITCH,SHOULDER										
Road Id - 002491- SHENBONE RIDGE ROAD										
Activity Id 358 Ditching										
Road District - 2										
1/30/2017	72295	1468	DUTTON CLAUDE C	3	18.56	10.00	\$185.60			
1/30/2017	72295	1064	DUMP TRUCK--2014 MACK	1	104.81	10.00		\$1,048.10		
1/30/2017	72295	2128	CATTLING LEVAR	3	19.01	10.00	\$190.10			
1/30/2017	72295	0981	PICKUP	1	18.86	10.00		\$188.60		
Road Id - 002498- SIBERT STREETS										
Activity Id 358 Ditching										
Road District - 1										
09/31/2016	72226	0927	BRYANT JERRY A	3	29.89	3.00	\$89.67			
09/31/2016	72226	0997	DUMP TRUCK--2008	1	47.19	3.00		\$141.57		
09/31/2016	72226	1042	BACKHOE--2015 CAT 430F	1	61.73	3.00		\$185.19		
09/31/2016	72226	2307	GRANGER BRUCE	3	18.70	3.00	\$56.10			
09/31/2016	72226	0882	DUMP TRUCK--FLAT BED	1	43.36	3.00		\$130.08		
1/7/2017	72300	1517	WASHINGTON ROBERT E	3	27.93	2.50	\$69.83			
1/7/2017	72300	1005	TRUCK--2007 FORD F150	1	18.86	2.50		\$47.15		
1/7/2017	72300	0927	BRYANT JERRY A	3	30.20	2.50	\$75.50			
1/7/2017	72300	0997	DUMP TRUCK--2008	1	49.36	2.50		\$123.40		
1/7/2017	72300	2328	CATTLING LEVAR	3	19.01	2.50	\$47.53			
1/7/2017	72300	0816	PICKUP	1	14.42	2.50		\$36.05		
1/7/2017	72300	1809	PERKINS ROGER L	3	21.78	2.50	\$54.45			
1/7/2017	72300	1029	DUMP TRUCK--2006	1	49.36	2.50		\$123.40		
1/7/2017	72300	1530	GUTHERY THOMAS	3	21.10	2.50	\$52.75			
1/7/2017	72300	1053	EXCAVATOR--WHEELED	1	148.69	2.50		\$371.73		
1/7/2017	72300	1041	BACKHOE--2015 CAT 430F	1	61.73	2.50		\$154.33		
1/7/2017	72300	1468	DUTTON CLAUDE C	3	18.56	2.50	\$46.40			
1/7/2017	72300	1064	DUMP TRUCK--2014 MACK	1	104.81	2.50		\$262.03		
1/7/2017	72300	2326	CARROLL MARCUS	3	18.18	2.50	\$45.95			
1/7/2017	72300	0981	PICKUP	1	18.86	2.50		\$47.15		
1/7/2017	72300	2115	STOWERS SHEA	3	20.62	2.50	\$51.55			
1/13/2017	72308	1209	FROST RANDALL C	3	30.54	5.00	\$152.70			
1/13/2017	72308	1054	PICKUP--2012 FORD F150	1	18.86	5.00		\$94.30		
1/13/2017	72308	0927	BRYANT JERRY A	3	30.20	5.00	\$151.00			
1/13/2017	72308	0997	DUMP TRUCK--2008	1	49.36	5.00		\$246.80		
1/13/2017	72308	1809	PERKINS ROGER L	3	21.78	5.00	\$108.90			
1/13/2017	72308	1029	DUMP TRUCK--2006	1	49.36	5.00		\$246.80		
1/13/2017	72308	2115	STOWERS SHEA	3	20.62	5.00	\$103.10			
1/13/2017	72308	0817	PICKUP	1	14.42	5.00		\$72.10		
1/13/2017	72308	1041	BACKHOE--2015 CAT 430F	1	61.73	5.00		\$308.65		
Road Id - 002499- SILER ROAD										
Activity Id 358 Ditching										
Road District - 2										
12/7/2016	72256	2126	CARROLL MARCUS	3	17.83	1.50	\$26.75			
12/7/2016	72256	0998	DUMP TRUCK--2008 GMC	1	47.19	1.50		\$70.79		
12/7/2016	72256	2385	GIPSON ADAM	3	19.60	1.50	\$29.40			
12/7/2016	72256	1029	DUMP TRUCK--2006	1	46.35	1.50		\$69.53		
12/7/2016	72256	2323	SEARS MARQUETTE	3	16.41	1.50	\$24.62			
12/7/2016	72256	0981	PICKUP	1	18.31	1.50		\$27.47		
12/7/2016	72256	1530	GUTHERY THOMAS	3	20.95	1.50	\$31.43			
12/7/2016	72256	1053	EXCAVATOR--WHEELED	1	148.69	1.50		\$223.04		
12/7/2016	72256	1468	DUTTON CLAUDE C	3	18.40	1.50	\$27.60			
12/7/2016	72256	1064	DUMP TRUCK--2014 MACK	1	104.81	1.50		\$157.22		
12/7/2016	72256	2115	STOWERS SHEA	3	20.48	1.50	\$30.72			
12/7/2016	72256	1001	TRUCK--2008 FORD F450	1	27.92	1.50		\$41.88		
12/7/2016	72256	1041	BACKHOE--2015 CAT 430F	1	61.73	1.50		\$92.60		
12/7/2016	72256	2328	CATTLING LEVAR	3	18.81	1.50	\$28.22			
12/7/2016	72256	2134	WINN TOMMY L	3	14.05	1.50	\$21.08			

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Date	DD Id	ID	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002-FLOW MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road Id - 002525- SMITH DRIVE										
Activity Id J50 Ditching										
Road District -2										
3/8/2017	72329	2115	STOWERS SHEA	3	20.62	1.00	1003.10			
3/8/2017	72329	1053	EXCAVATOR--WHEELED	1	148.69	1.00		\$743.45		
3/8/2017	72329	2105	GIBSON ADAM	3	19.88	1.00	\$99.40			
3/8/2017	72329	1064	DUMP TRUCK--2016 MACK	1	104.81	1.00		\$524.05		
3/8/2017	72329	2528	CATTLING LEVAR	3	19.01	1.00	\$95.05			
3/8/2017	72329	1001	TRUCK--2008 FORD F450	1	29.08	1.00		\$145.40		
3/8/2017	72329	0077	BRYANT JERRY A	3	30.20	1.00	\$151.00			
Road Id - 002553- SPENKS DRIVE										
Activity Id J50 Ditching										
Road District -2										
3/9/2017	72330	2115	STOWERS SHEA	3	20.62	1.00	\$61.86			
3/9/2017	72330	1053	EXCAVATOR--WHEELED	1	148.69	1.00		\$446.07		
3/9/2017	72330	2105	GIBSON ADAM	3	19.88	1.00	\$59.64			
3/9/2017	72330	1064	DUMP TRUCK--2016 MACK	1	104.81	1.00		\$314.43		
3/9/2017	72330	2528	CATTLING LEVAR	3	19.01	1.00	\$57.03			
3/9/2017	72330	1001	TRUCK--2008 FORD F450	1	29.08	1.00		\$87.24		
3/9/2017	72330	1110	MCGATHA CHARLES K	3	24.22	1.00	\$72.66			
Road Id - 002554- SPENKS ROAD										
Activity Id J50 Ditching										
Road District -4										
1/17/2017	72286	1217	NORTON STEVE A	3	24.20	1.00	\$72.60			
1/17/2017	72286	1052	EXCAVATOR--WHEELED	1	148.69	1.00		\$446.07		
1/17/2017	72286	1181	SAIERS WILLIAM R	3	21.90	1.00	\$65.70			
1/17/2017	72286	0952	DUMP TRUCK--FLATBED	1	49.26	1.00		\$148.08		
1/17/2017	72286	1144	HEARD ERIC W	3	24.69	1.00	\$74.07			
1/17/2017	72286	1067	DUMP TRUCK--2016 MACK	1	104.81	1.00		\$314.43		
Road Id - 002582- STRAWBERRY HILL ROAD										
Activity Id J50 Ditching										
Road District -2										
12/12/2016	72259	0077	BRYANT JERRY A	3	29.89	1.00	\$89.67			
12/12/2016	72259	0997	DUMP TRUCK--2008	1	47.19	1.00		\$141.27		
12/12/2016	72259	2107	GRANGER BRUCE	3	18.70	1.00	\$56.10			
12/12/2016	72259	1066	DUMP TRUCK--2016 MACK	1	104.81	1.00		\$314.43		
12/12/2016	72259	1196	PATTERSON WILLIAM J	3	23.05	1.00	\$69.15			
12/12/2016	72259	1004	TRUCK-PICK UP FLAT CREW	1	24.91	1.00		\$74.73		
12/12/2016	72259	2134	WISH TOMMY L	3	16.05	1.00	\$48.15			
12/12/2016	72259	1809	PERKINS ROGER L	3	21.49	1.00	\$64.47			
12/12/2016	72259	1042	BACKHOE--2011 CAT 48F	1	61.73	1.00		\$183.19		
Road Id - 002584- STYLES BRIDGE ROAD										
Activity Id J50 Ditching										
Road District -2										
2/2/2017	72299	2126	CARROLL MARCUS	3	18.38	1.00	\$91.90			
2/2/2017	72299	1053	EXCAVATOR--WHEELED	1	148.69	1.00		\$743.45		
2/2/2017	72299	1468	DUTTON CLAUDE C	3	18.56	1.00	\$82.80			
2/2/2017	72299	1064	DUMP TRUCK--2016 MACK	1	104.81	1.00		\$324.05		
2/2/2017	72299	2523	SEARS MARQUETTE	3	16.54	1.00	\$82.70			
2/2/2017	72299	0981	PICKUP	1	18.86	1.00		\$94.30		
2/2/2017	72299	2128	CATTLING LEVAR	3	19.01	1.00	\$95.05			
2/8/2017	72304	1130	GUTHRIE THOMAS	3	21.30	1.00	\$165.50			
2/8/2017	72304	1053	EXCAVATOR--WHEELED	1	148.69	1.00		\$743.45		
2/8/2017	72304	1468	DUTTON CLAUDE C	3	18.56	1.00	\$82.80			
2/8/2017	72304	1064	DUMP TRUCK--2016 MACK	1	104.81	1.00		\$324.05		
2/8/2017	72304	2126	CARROLL MARCUS	3	18.38	1.00	\$91.90			
2/8/2017	72304	1004	TRUCK-PICK UP FLAT CREW	1	26.78	1.00		\$133.90		
2/8/2017	72304	2115	STOWERS SHEA	3	20.62	1.00	\$103.10			

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Project Id - 28-002-180W MAINTENANCE-DRAINAGE,DITCH,SHOULDER										
Road Id - 002584-: STYLES BRIDGE ROAD										
Activity Id -J50 Ditching										
Road District -2										
2/8/2017	T2304	1517	WASHINGTON ROBERT E	3	27.93	5.00	\$179.65			
2/8/2017	T2304	1003	TRUCK-2007 FORD F150	1	18.86	5.00		\$94.30		
Road Id - 002587-: SUMATANGA ROAD										
Activity Id -J50 Ditching										
Road District -4										
10/23/2016	T2221	2521	BELL AMOS	3	20.27	4.00	\$81.08			
10/23/2016	T2221	1043	BACKHOE-2015 CAT 430F	1	61.73	4.00		\$246.92		
10/23/2016	T2221	2512	SHEELER DAVID	3	16.77	4.00	\$67.08			
10/23/2016	T2221	1069	DUMP TRUCK-2016 MACK	1	104.81	4.00		\$419.24		
10/23/2016	T2221	0679	KELLEY DONALD R	3	30.17	4.00	\$120.68			
10/23/2016	T2221	0983	PICKUP	1	14.93	4.00		\$59.72		
10/23/2016	T2221	1000	TRAILER-2009	1	12.47	4.00		\$49.88		
10/23/2016	T2221	1001	DUMP TRUCK-2010	1	47.93	4.00		\$191.72		
Road Id - 002605-: TABOR CUT-OFF										
Activity Id -J50 Ditching										
Road District -2										
12/8/2006	T2257	2516	CARROLL MARCUS	3	17.83	3.00	\$53.49			
12/8/2006	T2257	0998	DUMP TRUCK-2008 GMC	1	47.19	3.00		\$141.57		
12/8/2006	T2257	2503	GIPSON ADAM	3	19.68	3.00	\$58.80			
12/8/2006	T2257	1029	DUMP TRUCK-2006	1	46.35	3.00		\$139.05		
12/8/2006	T2257	2528	CATLING LEVAR	3	18.81	3.00	\$56.43			
12/8/2006	T2257	0981	PICKUP	1	18.31	3.00		\$54.93		
12/8/2006	T2257	2534	WDSN TOMMY L	3	16.05	3.00	\$48.15			
Road Id - 002614-: TARYN ROAD										
Activity Id -J50 Ditching										
Road District -3										
3/23/2007	T2342	1217	NORTON STEVE A	3	24.20	5.00	\$121.00			
3/23/2007	T2342	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
3/23/2007	T2342	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			
3/23/2007	T2342	1067	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
3/27/2007	T2345	1217	NORTON STEVE A	3	24.20	9.00	\$217.80			
3/27/2007	T2345	1052	EXCAVATOR--WHEELED	1	148.69	9.00		\$1,338.21		
3/27/2007	T2345	1144	HEARD ERIC W	3	24.69	10.00	\$246.90			
3/27/2007	T2345	1067	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
Road Id - 002621-: TERRELL ROAD										
Activity Id -J50 Ditching										
Road District -4										
1/30/2007	T2295	1217	NORTON STEVE A	3	24.20	5.00	\$121.00			
1/30/2007	T2295	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
1/30/2007	T2295	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			
1/30/2007	T2295	1067	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
1/30/2007	T2295	2512	SHEELER DAVID	3	16.92	5.00	\$84.60			
1/30/2007	T2295	1069	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
Road Id - 002630-: THRASHER ROAD										
Activity Id -J50 Ditching										
Road District -4										
1/11/2007	T2282	1217	NORTON STEVE A	3	24.20	1.00	\$24.20			
1/11/2007	T2282	1052	EXCAVATOR--WHEELED	1	148.69	1.00		\$148.69		
1/11/2007	T2282	1581	SALERS WILLIAM R	3	21.90	1.00	\$21.90			
1/11/2007	T2282	0952	DUMP TRUCK--FLATBED	1	49.26	1.00		\$49.26		
1/11/2007	T2282	1144	HEARD ERIC W	3	24.69	1.00	\$24.69			
1/11/2007	T2282	1067	DUMP TRUCK-2016 MACK	1	104.81	1.00		\$104.81		
1/11/2007	T2282	1491	NAL JAMES	3	22.71	1.00	\$22.71			
1/11/2007	T2282	1068	DUMP TRUCK-2016 MACK	1	104.81	1.00		\$104.81		
1/11/2007	T2282	2527	ALLEN JORDAN	3	16.54	1.00	\$16.55			

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Project Id - 28-002-180W MAINTENANCE-DRAINAGE,DITCH&SHOULDER										
Road Id - 002650- THRASHER ROAD										
Activity Id 358 Ditching										
Road District -4										
1/11/2017	72282	1040	BACKHOE-2015 CAT 430F	1	41.73	1.00		\$41.73		
1/11/2017	72282	1000	TRAILER-2009	1	12.47	1.00		\$12.47		
1/12/2017	72283	2127	ALEEN JORDAN	3	16.34	5.00	\$82.72			
1/12/2017	72283	1043	BACKHOE-2015 CAT 430F	1	41.73	5.00		\$308.65		
1/12/2017	72283	1000	TRAILER-2009	1	12.47	5.00		\$62.35		
1/12/2017	72283	1001	DUMP TRUCK-2010	1	49.26	5.00		\$246.80		
1/12/2017	72283	1491	NAIL JAMES	3	22.71	5.00	\$113.55			
1/12/2017	72283	1048	DUMP TRUCK-2010 MACK	1	104.81	5.00		\$524.05		
Road Id - 002631- TIDMORE BEND ROAD										
Activity Id 358 Ditching										
Road District -2										
09/31/2016	72236	1530	GUTHERY THOMAS	3	20.95	3.00	\$62.85			
09/31/2016	72236	1053	EXCAVATOR-WHEELED	1	148.69	3.00		\$446.07		
09/31/2016	72236	1468	DUTTON CLAUDE C	3	18.40	3.00	\$55.20			
09/31/2016	72236	1029	DUMP TRUCK-2006	1	46.35	3.00		\$139.05		
09/31/2016	72236	2526	CARROLL MARCUS	3	17.83	3.00	\$53.49			
09/31/2016	72236	0816	PICKUP	1	13.79	3.00		\$41.37		
Road Id - 002638- TOM CAT ROAD										
Activity Id 358 Ditching										
Road District -2										
12/5/2016	72254	1530	GUTHERY THOMAS	3	20.95	5.00	\$104.75			
12/5/2016	72254	1053	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
12/5/2016	72254	1468	DUTTON CLAUDE C	3	18.40	5.00	\$92.00			
12/5/2016	72254	1064	DUMP TRUCK-2010 MACK	1	104.81	5.00		\$524.05		
12/5/2016	72254	1110	MCGATHA CHARLES K	3	23.94	5.00	\$119.70			
12/5/2016	72254	1031	TRUCK-2008 FORD F450	1	27.92	5.00		\$139.60		
12/5/2016	72254	2534	WINN TOMMY L	3	16.05	5.00	\$80.25			
12/7/2016	72256	2526	CARROLL MARCUS	3	17.83	1.50	\$26.75			
12/7/2016	72256	0908	DUMP TRUCK-2008 GMC	1	47.19	1.50		\$70.79		
12/7/2016	72256	2503	GIPSON ADAM	3	19.60	1.50	\$29.40			
12/7/2016	72256	1029	DUMP TRUCK-2006	1	46.35	1.50		\$69.53		
12/7/2016	72256	2523	SEARS MARQUETTE	3	16.41	1.50	\$24.62			
12/7/2016	72256	0881	PICKUP	1	18.31	1.50		\$27.47		
12/7/2016	72256	1530	GUTHERY THOMAS	3	20.95	1.50	\$31.43			
12/7/2016	72256	1053	EXCAVATOR-WHEELED	1	148.69	1.50		\$223.04		
12/7/2016	72256	1468	DUTTON CLAUDE C	3	18.40	1.50	\$27.60			
12/7/2016	72256	1064	DUMP TRUCK-2010 MACK	1	104.81	1.50		\$157.22		
12/7/2016	72256	2515	STOWERS SHELA	3	20.48	1.50	\$30.72			
12/7/2016	72256	1031	TRUCK-2008 FORD F450	1	27.92	1.50		\$41.88		
12/7/2016	72256	1041	BACKHOE-2015 CAT 430F	1	41.73	1.50		\$62.60		
12/7/2016	72256	2528	CATTLING LEVAR	3	18.81	1.50	\$28.22			
12/7/2016	72256	2534	WINN TOMMY L	3	16.05	1.50	\$24.08			
Road Id - 002649- TUMLEN GAP ROAD										
Activity Id 358 Ditching										
Road District -4										
09/27/2016	72223	2521	HILL AMOS	3	20.27	3.00	\$60.81			
09/27/2016	72223	1043	BACKHOE-2015 CAT 430F	1	41.73	3.00		\$185.19		
09/27/2016	72223	2512	SHELLER DAVE D	3	16.77	3.00	\$50.31			
09/27/2016	72223	1069	DUMP TRUCK-2010 MACK	1	104.81	3.00		\$314.43		
09/27/2016	72223	0879	KILLEY DONALD R	3	30.17	3.00	\$90.51			
09/27/2016	72223	0983	PICKUP	1	14.93	3.00		\$44.79		
09/27/2016	72223	1000	TRAILER-2009	1	12.47	3.00		\$37.41		
09/27/2016	72223	1001	DUMP TRUCK-2010	1	47.93	3.00		\$143.79		
1/25/2017	72292	2531	MAYS JIMMY R	3	16.54	10.00	\$165.40			
1/25/2017	72292	1040	BACKHOE-2015 CAT 430F	1	41.73	10.00		\$417.30		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqp Cost	Mat Cost	Con Cost
Project Id - 28-002-FLOW MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road Id - 002649- TUNELIN GAP ROAD										
Activity Id 350 Ditching										
Road District -4										
1/25/2017	72292	2512	SHEELER DAVID	3	16.92	10.00	\$169.20			
1/25/2017	72292	1069	DUMP TRUCK--2016 MACK	1	104.81	10.00		\$1,048.10		
Road Id - 002650- TURKEY TOWN ROAD										
Activity Id 350 Ditching										
Road District -2										
10/27/2016	72221	0027	BRYANT JERRY A	3	29.89	4.00	\$119.56			
10/27/2016	72221	0997	DUMP TRUCK--2008	1	47.19	4.00		\$188.76		
10/27/2016	72221	1468	DUTTON CLAUDE C	3	18.40	4.00	\$73.60			
10/27/2016	72221	1064	DUMP TRUCK--2016 MACK	1	104.81	4.00		\$419.24		
10/27/2016	72221	1042	BACKHOE--2013 CAT 430F	1	61.73	4.00		\$246.92		
10/31/2016	72226	0027	BRYANT JERRY A	3	29.89	3.00	\$89.67			
10/31/2016	72226	0997	DUMP TRUCK--2008	1	47.19	3.00		\$141.57		
10/31/2016	72226	1042	BACKHOE--2013 CAT 430F	1	61.73	3.00		\$185.19		
10/31/2016	72226	2507	GRANGER BRUCE	3	18.70	3.00	\$56.10			
10/31/2016	72226	0882	DUMP TRUCK--FLAT BED	1	43.36	3.00		\$130.08		
Road Id - 002651- TURKEY TOWN GAP ROAD										
Activity Id 350 Ditching										
Road District -2										
1/04/2017	72291	1196	PATTERSON WILLIAM J	3	21.19	4.00	\$84.76			
1/04/2017	72291	0943	PICKUP--2001 DODGE RAM	1	14.42	4.00		\$57.68		
1/04/2017	72291	2526	CARROLL MARCUS	3	18.38	4.00	\$73.52			
1/04/2017	72291	1042	BACKHOE--2013 CAT 430F	1	61.73	4.00		\$246.92		
Road Id - 002656- TURNER MOUNTAIN ROAD										
Activity Id 350 Ditching										
Road District -1										
1/06/2017	72293	0027	BRYANT JERRY A	3	30.20	3.00	\$90.60			
1/06/2017	72293	0997	DUMP TRUCK--2008	1	49.36	3.00		\$148.08		
1/06/2017	72293	1809	FERKINS ROGER L	3	21.78	3.00	\$65.34			
1/06/2017	72293	1029	DUMP TRUCK--2008	1	49.36	3.00		\$148.08		
1/06/2017	72293	2507	GRANGER BRUCE	3	18.84	3.00	\$56.52			
1/06/2017	72293	0943	PICKUP--2001 DODGE RAM	1	14.42	3.00		\$43.26		
1/06/2017	72293	2123	SEARS MARQUETTE	3	16.54	3.00	\$49.62			
1/06/2017	72293	1041	BACKHOE--2013 CAT 430F	1	61.73	3.00		\$185.19		
Road Id - 002676- VALLEY STREET										
Activity Id 350 Ditching										
Road District -5										
3/23/2017	72342	2528	CATTLING LEVAR	3	19.01	10.00	\$190.10			
3/23/2017	72342	1053	EXCAVATOR--WYBELED	1	148.69	10.00		\$1,486.90		
3/23/2017	72342	1530	GUTHERY THOMAS	3	21.10	10.00	\$211.00			
3/23/2017	72342	0943	PICKUP--2001 DODGE RAM	1	14.42	10.00		\$144.20		
3/23/2017	72342	2505	GIPSON ADAM	3	19.88	10.00	\$198.80			
3/23/2017	72342	1064	DUMP TRUCK--2016 MACK	1	104.81	10.00		\$1,048.10		
3/27/2017	72343	2528	CATTLING LEVAR	3	19.01	10.00	\$190.10			
3/27/2017	72343	1053	EXCAVATOR--WYBELED	1	148.69	10.00		\$1,486.90		
3/27/2017	72343	2505	GIPSON ADAM	3	19.88	10.00	\$198.80			
3/27/2017	72343	1064	DUMP TRUCK--2016 MACK	1	104.81	10.00		\$1,048.10		
3/27/2017	72343	1530	GUTHERY THOMAS	3	21.10	10.00	\$211.00			
3/27/2017	72343	1031	TRUCK--2008 FORD F450	1	29.08	10.00		\$290.80		
Road Id - 002678- VALLEYVIEW CIRCLE										
Activity Id 350 Ditching										
Road District -1										
2/6/2017	72302	1117	WASHINGTON ROBERT E	3	27.93	4.00	\$111.72			
2/6/2017	72302	1065	TRUCK--2007 FORD F150	1	18.86	4.00		\$75.44		
2/6/2017	72302	0027	BRYANT JERRY A	3	30.20	4.00	\$120.80			
2/6/2017	72302	0997	DUMP TRUCK--2008	1	49.36	4.00		\$197.44		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002-180W MAINTENANCE-DRAINAGE,DITCH&SHOULDER										
Road Id - 002678- VALLEYVIEW CIRCLE										
Activity Id 250 Ditching										
Road District -1										
2/6/2017	72302	2115	STOWERS SHEA	3	20.62	4.00	\$82.48			
2/6/2017	72302	1016	BROOM	1	41.06	4.00		\$164.24		
2/6/2017	72302	1809	PERKINS RIDGER L	3	21.78	4.00	\$87.12			
2/6/2017	72302	1029	DUMP TRUCK-2006	1	49.36	4.00		\$197.44		
2/6/2017	72302	2507	GRANGER BRUCE	3	18.84	4.00	\$75.36			
2/6/2017	72302	0981	PICKUP	1	18.86	4.00		\$75.44		
2/6/2017	72302	2128	CATTLING LEVAR	3	19.01	4.00	\$76.04			
2/6/2017	72302	1041	BACKHOE-2013 CAT 430F	1	61.73	4.00		\$246.92		
Road Id - 002683- VAUGHN DRIVE										
Activity Id 250 Ditching										
Road District -2										
12/7/2016	72256	2126	CARROLL MARCUS	3	17.83	1.50	\$26.75			
12/7/2016	72256	0998	DUMP TRUCK-2008 GMC	1	47.19	1.50		\$70.79		
12/7/2016	72256	2505	GIBSON ADAM	3	19.60	1.50	\$29.40			
12/7/2016	72256	1029	DUMP TRUCK-2006	1	46.25	1.50		\$69.38		
12/7/2016	72256	2123	SEARS MARQUETTE	3	16.41	1.50	\$24.62			
12/7/2016	72256	0981	PICKUP	1	18.31	1.50		\$27.47		
12/7/2016	72256	1530	GUTHBRY THOMAS	3	20.95	1.50	\$31.43			
12/7/2016	72256	1003	EXCAVATOR-WHEELED	1	148.69	1.50		\$223.04		
12/7/2016	72256	1468	DUTTON CLAUDE C	3	18.40	1.50	\$27.60			
12/7/2016	72256	1064	DUMP TRUCK-2014 MACK	1	104.81	1.50		\$157.22		
12/7/2016	72256	2115	STOWERS SHEA	3	20.48	1.50	\$30.72			
12/7/2016	72256	1001	TRUCK-2008 FORD F450	1	27.92	1.50		\$41.88		
12/7/2016	72256	1041	BACKHOE-2013 CAT 430F	1	61.73	1.50		\$92.60		
12/7/2016	72256	2128	CATTLING LEVAR	3	18.81	1.50	\$28.22			
12/7/2016	72256	2134	WINSY TOMMY L	3	16.05	1.50	\$24.08			
1/24/2017	72291	0027	BRYANT JERRY A	3	30.20	3.00	\$151.00			
1/24/2017	72291	0997	DUMP TRUCK-2008	1	49.36	3.00		\$148.08		
1/24/2017	72291	1041	BACKHOE-2013 CAT 430F	1	61.73	3.00		\$185.19		
1/24/2017	72291	1468	DUTTON CLAUDE C	3	18.56	3.00	\$92.80			
1/24/2017	72291	1029	DUMP TRUCK-2006	1	49.36	3.00		\$148.08		
1/24/2017	72291	2507	GRANGER BRUCE	3	18.84	3.00	\$94.20			
1/24/2017	72291	0817	PICKUP	1	14.42	3.00		\$72.10		
1/24/2017	72291	1110	MCGATHA CHARLES K	3	24.22	3.00	\$121.10			
1/24/2017	72291	0816	PICKUP	1	14.42	3.00		\$72.10		
Road Id - 002684- VAUGHN LANE										
Activity Id 250 Ditching										
Road District -3										
1/26/2017	72293	2126	CARROLL MARCUS	3	18.38	3.00	\$55.14			
1/26/2017	72293	0998	DUMP TRUCK-2008 GMC	1	49.36	3.00		\$148.08		
1/26/2017	72293	2128	CATTLING LEVAR	3	19.01	3.00	\$57.03			
1/26/2017	72293	0981	PICKUP	1	18.86	3.00		\$56.58		
1/26/2017	72293	2507	GRANGER BRUCE	3	18.84	3.00	\$56.52			
1/26/2017	72293	1042	BACKHOE-2013 CAT 430F	1	61.73	3.00		\$185.19		
Road Id - 002685- VAUGHN ROAD										
Activity Id 250 Ditching										
Road District -4										
12/12/2016	72259	1534	KURN RICHARD A	3	27.75	4.00	\$111.00			
12/12/2016	72259	1015	PICKUP-2012 FORD F150	1	18.59	4.00		\$74.36		
12/12/2016	72259	1217	NORTON STEVE A	3	23.92	5.00	\$119.60			
12/12/2016	72259	1032	EXCAVATOR-WHEELED	1	148.69	5.00		\$743.45		
12/12/2016	72259	1144	HEARD ERIC W	3	24.40	5.00	\$122.00			
12/12/2016	72259	0932	DUMP TRUCK-FLATBED	1	43.41	5.00		\$217.05		
12/12/2016	72259	1181	SALERS WILLIAM R	3	21.62	5.00	\$108.10			
12/12/2016	72259	1030	DUMP TRUCK-2003	1	45.15	5.00		\$225.75		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-092-180W MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road Id - 002685- VAUGHN ROAD										
Activity Id J50 Ditching										
Road District -4										
12/04/2016	72261	2121	HILL AMOS	3	20.27	1.50	\$30.41			
12/04/2016	72261	1043	BACKHOE-2013 CAT 408F	1	61.73	1.50		\$92.60		
12/04/2016	72261	2112	SHEELER DAVID	3	36.77	1.50	\$25.16			
12/04/2016	72261	1069	DUMP TRUCK-2016 MACK	1	104.81	1.50		\$157.22		
12/04/2016	72261	0679	KELLEY DONALD R	3	30.17	1.50	\$45.26			
12/04/2016	72261	0983	PICKUP	1	34.93	1.50		\$22.40		
12/04/2016	72261	2127	ALLEN JORDAN	3	36.38	1.50	\$24.57			
12/04/2016	72261	1040	BACKHOE-2013 CAT 408F	1	61.73	1.50		\$92.60		
12/04/2016	72261	1491	NAIL JAMES	3	22.43	1.50	\$13.65			
12/04/2016	72261	1068	DUMP TRUCK-2016 MACK	1	104.81	1.50		\$157.22		
12/04/2016	72261	1217	NORTON STEVE A	3	23.92	1.50	\$15.88			
12/04/2016	72261	1052	EXCAVATOR-WHEELED	1	148.69	1.50		\$223.04		
12/04/2016	72261	1181	SALERS WILLIAM R	3	21.62	1.50	\$32.43			
12/04/2016	72261	1020	DUMP TRUCK-2003	1	45.15	1.50		\$67.73		
12/04/2016	72261	1144	HEARD ERIC W	3	24.40	1.50	\$36.60			
12/04/2016	72261	0952	DUMP TRUCK-FLATBED	1	45.41	1.50		\$68.12		
12/04/2016	72261	1324	KUBN RICHARD A	3	27.75	1.50	\$41.63			
12/04/2016	72261	1055	PICKUP-2012 FORD F150	1	18.59	1.50		\$27.89		
12/04/2016	72261	2127	ALLEN JORDAN	3	36.38	2.00	\$32.76			
12/09/2016	72265	1040	BACKHOE-2013 CAT 408F	1	61.73	2.00		\$123.46		
12/09/2016	72265	1000	TRAILER-2009	1	12.47	2.00		\$24.94		
12/09/2016	72265	1001	DUMP TRUCK-2010	1	47.93	2.00		\$95.86		
12/09/2016	72265	1491	NAIL JAMES	3	22.43	2.00	\$44.86			
12/09/2016	72265	1068	DUMP TRUCK-2016 MACK	1	104.81	2.00		\$209.62		
12/09/2016	72265	2121	HILL AMOS	3	20.27	2.00	\$40.54			
12/09/2016	72265	1043	BACKHOE-2013 CAT 408F	1	61.73	2.00		\$123.46		
12/09/2016	72265	2112	SHEELER DAVID	3	36.77	2.00	\$33.54			
12/09/2016	72265	1069	DUMP TRUCK-2016 MACK	1	104.81	2.00		\$209.62		
12/09/2016	72265	1217	NORTON STEVE A	3	23.92	2.00	\$47.84			
12/09/2016	72265	1052	EXCAVATOR-WHEELED	1	148.69	2.00		\$297.38		
12/09/2016	72265	1181	SALERS WILLIAM R	3	21.62	2.00	\$43.24			
12/09/2016	72265	1020	DUMP TRUCK-2003	1	45.15	2.00		\$90.30		
12/09/2016	72265	1144	HEARD ERIC W	3	24.40	2.00	\$48.80			
12/09/2016	72265	1067	DUMP TRUCK-2016 MACK	1	104.81	2.00		\$209.62		
12/09/2016	72266	2121	HILL AMOS	3	20.27	10.00	\$202.70			
12/09/2016	72266	1052	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
12/09/2016	72266	1181	SALERS WILLIAM R	3	21.62	10.00	\$216.20			
12/09/2016	72266	1020	DUMP TRUCK-2003	1	45.15	10.00		\$451.50		
12/09/2016	72266	1144	HEARD ERIC W	3	24.40	10.00	\$244.00			
12/09/2016	72266	1067	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
12/09/2016	72266	1324	KUBN RICHARD A	3	27.75	10.00	\$277.50			
12/09/2016	72266	1055	PICKUP-2012 FORD F150	1	18.59	10.00		\$185.90		
12/21/2016	72267	1324	KUBN RICHARD A	3	27.75	3.00	\$138.75			
12/21/2016	72267	1055	PICKUP-2012 FORD F150	1	18.59	3.00		\$55.77		
12/21/2016	72267	2121	HILL AMOS	3	20.27	10.00	\$202.70			
12/21/2016	72267	1052	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
12/21/2016	72267	1181	SALERS WILLIAM R	3	21.62	10.00	\$216.20			
12/21/2016	72267	1020	DUMP TRUCK-2003	1	45.15	10.00		\$451.50		
12/21/2016	72267	1144	HEARD ERIC W	3	24.40	10.00	\$244.00			
12/21/2016	72267	1067	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		

Road Id - 002783- WALDEN HOLLOW ROAD

Activity Id J50 Ditching

Road District -3

12/01/2016	72254	2121	HILL AMOS	3	20.27	10.00	\$202.70			
12/01/2016	72254	1043	BACKHOE-2013 CAT 408F	1	61.73	10.00		\$617.30		

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Project Id - 28-002-190W MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road Id - 002703- WALDEN HOLLOW ROAD										
Activity Id - 250 Ditching										
Road District - 3										
12/5/2016	72254	1000	TRAILER-2009	1	12.47	10.00		\$124.70		
12/5/2016	72254	1001	DUMP TRUCK-2010	1	47.93	10.00		\$479.30		
12/5/2016	72254	2112	SHEELER DAVID	3	36.77	10.00	\$167.70			
12/5/2016	72254	1009	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
12/5/2016	72254	1491	NAIL JAMES	3	22.43	10.00	\$224.30			
12/5/2016	72254	1008	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
12/5/2016	72254	0679	KELLEY DONALD R	3	30.17	10.00	\$301.70			
12/5/2016	72254	0983	PICKUP	1	14.93	10.00		\$149.30		
12/6/2016	72253	2121	HELL AMOS	3	20.27	3.00	\$60.81			
12/6/2016	72253	1043	BACKHOE-2013 CAT 40F	1	61.73	3.00		\$185.19		
12/6/2016	72253	2112	SHEELER DAVID	3	16.77	3.00	\$50.31			
12/6/2016	72253	1009	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.43		
12/6/2016	72253	0679	KELLEY DONALD R	3	30.17	3.00	\$90.51			
12/6/2016	72253	0983	PICKUP	1	14.93	3.00		\$44.79		
12/6/2016	72253	1000	TRAILER-2009	1	12.47	3.00		\$37.41		
12/6/2016	72253	1001	DUMP TRUCK-2010	1	47.93	3.00		\$143.79		
12/7/2016	72256	2121	HELL AMOS	3	20.27	5.00	\$101.35			
12/7/2016	72256	1043	BACKHOE-2013 CAT 40F	1	61.73	5.00		\$308.65		
12/7/2016	72256	2112	SHEELER DAVID	3	16.77	5.00	\$83.85			
12/7/2016	72256	1009	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
12/7/2016	72256	0679	KELLEY DONALD R	3	30.17	5.00	\$150.85			
12/7/2016	72256	0983	PICKUP	1	14.93	5.00		\$74.65		
Road Id - 002704- WALDEN ROAD										
Activity Id - 250 Ditching										
Road District - 2										
12/13/2016	72260	0027	BRYANT JERRY A	3	29.89	5.00	\$149.45			
12/13/2016	72260	0997	DUMP TRUCK-2008	1	47.19	5.00		\$235.95		
12/13/2016	72260	2107	GRANGER BRUCE	3	18.70	5.00	\$93.50			
12/13/2016	72260	1066	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
12/13/2016	72260	1196	PATTERSON WILLIAM J	3	21.05	5.00	\$105.25			
12/13/2016	72260	1004	TRUCK-PCK UP FLAT CREW	1	24.91	5.00		\$124.55		
12/13/2016	72260	2134	WINN TOMMY L	3	16.05	5.00	\$80.25			
12/13/2016	72260	1809	PERKINS ROGER L	3	21.49	5.00	\$107.45			
12/13/2016	72260	1042	BACKHOE-2013 CAT 40F	1	61.73	5.00		\$308.65		
1/10/2017	72281	1130	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
1/10/2017	72281	1053	EXCAVATOR-WHEELED	1	148.09	5.00		\$740.45		
1/10/2017	72281	2505	GIBSON ADAM	3	19.88	5.00	\$99.40			
1/10/2017	72281	1029	DUMP TRUCK-2006	1	49.36	5.00		\$246.80		
1/10/2017	72281	2128	CATLING LEVAR	3	19.01	5.00	\$95.05			
1/10/2017	72281	1004	TRUCK-PCK UP FLAT CREW	1	26.78	5.00		\$133.90		
1/11/2017	72282	1130	GUTHERY THOMAS	3	21.10	5.00	\$105.50			
1/11/2017	72282	1053	EXCAVATOR-WHEELED	1	148.09	5.00		\$740.45		
1/11/2017	72282	2123	SEARS MARQUETTE	3	16.54	5.00	\$82.70			
1/11/2017	72282	1029	DUMP TRUCK-2006	1	49.36	5.00		\$246.80		
1/11/2017	72282	2128	CATLING LEVAR	3	19.01	5.00	\$95.05			
1/11/2017	72282	1031	TRUCK-2008 FORD F350	1	29.08	5.00		\$145.40		
1/12/2017	72283	1130	GUTHERY THOMAS	3	21.10	4.00	\$84.40			
1/12/2017	72283	1053	EXCAVATOR-WHEELED	1	148.09	4.00		\$594.76		
1/12/2017	72283	2128	CATLING LEVAR	3	19.01	5.00	\$95.05			
1/12/2017	72283	0981	PICKUP	1	18.86	5.00		\$94.30		
1/12/2017	72283	2123	SEARS MARQUETTE	3	16.54	5.00	\$82.70			
1/12/2017	72283	1029	DUMP TRUCK-2006	1	49.36	5.00		\$246.80		
Road Id - 002723- WARD ROAD										
Activity Id - 250 Ditching										
Road District - 2										

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqp Cost	Mat Cost	Con Cost
Project Id - 28-002-2800 MAINTENANCE-DRAINAGE,DITCH,SHOULDER										
Road Id - 002723- WARD ROAD										
Activity Id 350 Ditching										
Road District -2										
3/3/2017	72328	1513	WASHINGTON ROBERT E	3	23.95	10.00	\$279.30			
3/3/2017	72328	1005	TRUCK-2007 FORD F150	1	18.86	10.00		\$188.60		
3/3/2017	72328	2515	STOWERS SHEA	3	20.62	10.00	\$206.20			
3/3/2017	72328	1053	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
3/3/2017	72328	2528	CATLINO LEVAN	3	19.01	10.00	\$190.10			
3/3/2017	72328	1031	TRUCK-2008 FORD F450	1	29.08	10.00		\$290.80		
3/3/2017	72328	2505	GIPSON ADAM	3	19.88	10.00	\$198.80			
3/3/2017	72328	1064	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
Road Id - 002730- WATER TOWER ROAD										
Activity Id 350 Ditching										
Road District -4										
1/31/2017	72296	1217	NORTON STEVE A	3	24.20	4.00	\$96.80			
1/31/2017	72296	1052	EXCAVATOR-WHEELED	1	148.69	4.00		\$594.76		
1/31/2017	72296	1144	HEARD ERIC W	3	24.69	4.00	\$98.76			
1/31/2017	72296	1067	DUMP TRUCK-2016 MACK	1	104.81	4.00		\$419.24		
1/31/2017	72296	2512	SHEELER DAVID	3	16.92	4.00	\$67.68			
1/31/2017	72296	1069	DUMP TRUCK-2016 MACK	1	104.81	4.00		\$419.24		
3/21/2017	72340	1217	NORTON STEVE A	3	24.20	10.00	\$242.00			
3/21/2017	72340	1052	EXCAVATOR-WHEELED	1	148.69	10.00		\$1,486.90		
3/21/2017	72340	1144	HEARD ERIC W	3	24.69	10.00	\$246.90			
3/21/2017	72340	1067	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
Road Id - 002742- WESSON GAP ROAD										
Activity Id 350 Ditching										
Road District -3										
3/30/2017	72348	1324	KUHN RICHARD A	3	27.90	3.50	\$97.75			
3/30/2017	72348	1015	PICKUP-2012 FORD F150	1	18.86	3.50		\$47.15		
3/30/2017	72348	2527	ALLEN JORDAN	3	16.54	3.50	\$41.36			
3/30/2017	72348	1040	BACKHOE-2013 CAT 430F	1	61.73	3.50		\$154.33		
3/30/2017	72348	2512	SHEELER DAVID	3	16.92	3.50	\$42.30			
3/30/2017	72348	1072	TRUCK-2011 FORD F550	1	24.57	3.50		\$61.43		
3/30/2017	72348	1000	TRAILER-2009	1	12.47	3.50		\$31.14		
3/30/2017	72348	1001	DUMP TRUCK-2010	1	49.36	3.50		\$123.40		
3/30/2017	72348	1491	NAE JAMES	3	22.71	3.50	\$56.78			
Road Id - 002743- WESSON LAKE ROAD										
Activity Id 350 Ditching										
Road District -4										
3/28/2017	72346	1225	POSEY JAMES D	3	24.11	4.00	\$96.44			
3/28/2017	72346	1040	BACKHOE-2013 CAT 430F	1	61.73	4.00		\$246.92		
3/28/2017	72346	2512	SHEELER DAVID	3	16.92	4.00	\$67.68			
3/28/2017	72346	1069	DUMP TRUCK-2016 MACK	1	104.81	4.00		\$419.24		
Road Id - 002754- WHISENANT ROAD										
Activity Id 350 Ditching										
Road District -3										
12/8/2016	72257	2531	MAYS JIMMY R	3	16.39	2.50	\$40.98			
12/8/2016	72257	1043	BACKHOE-2013 CAT 430F	1	61.73	2.50		\$154.33		
12/8/2016	72257	2532	HUFF WALTER B	3	18.38	2.50	\$45.95			
12/8/2016	72257	0913	PICKUP	1	18.07	2.50		\$45.18		
12/8/2016	72257	2512	SHEELER DAVID	3	16.77	2.50	\$41.93			
12/8/2016	72257	1069	DUMP TRUCK-2016 MACK	1	104.81	2.50		\$262.03		
12/8/2016	72257	0679	KELLEY DONALD R	3	20.17	2.50	\$75.43			
12/8/2016	72257	0983	PICKUP	1	14.93	2.50		\$37.33		
Road Id - 002762- WHITES CHAPEL ROAD										
Activity Id 350 Ditching										
Road District -2										
10/31/2016	72236	1130	GUTHERY THOMAS	3	20.95	3.00	\$62.85			

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Date	DJ Id	ID	Description	Rate Id	Rate	Units	Emp Cost	Eqp Cost	Mat Cost	Con Cost
Project Id - 28-002-180W MAINTENANCE-DRAINAGE,DITCH/SHOULDER										
Road Id - 002762- WHITES CHAPEL ROAD										
Activity Id -J50 Ditching										
Road District -2										
10/31/2016	72226	1053	EXCAVATOR--WHEELED	1	148.69	3.00		\$486.07		
10/31/2016	72226	1468	DUTTON CLAUDE C	3	18.40	3.00	\$55.20			
10/31/2016	72226	1029	DUMP TRUCK--2006	1	46.35	3.00		\$139.05		
10/31/2016	72226	2526	CARROLL MARCUS	3	17.83	3.00	\$53.49			
10/31/2016	72226	0806	PICKUP	1	13.79	3.00		\$41.37		
Road Id - 002763- WHITESBORO ROAD										
Activity Id -J50 Ditching										
Road District -3										
3/21/2017	72340	0679	KELLEY DONALD R	3	30.45	2.00	\$60.90			
3/21/2017	72340	0983	PICKUP	1	15.41	2.00		\$30.82		
3/21/2017	72340	2527	ALLEN JORDAN	3	16.54	2.00	\$33.09			
3/21/2017	72340	1043	BACKHOE--2013 CAT 400F	1	61.73	2.00		\$123.46		
3/21/2017	72340	2531	MAYS BMMY R	3	16.54	2.00	\$33.08			
3/21/2017	72340	1028	DUMP TRUCK--2005 FORD	1	39.15	2.00		\$78.30		
3/21/2017	72340	1491	NAIL JAMES	3	22.71	2.00	\$45.42			
3/21/2017	72340	1068	DUMP TRUCK--2016 MACK	1	104.81	2.00		\$209.62		
3/21/2017	72340	1090	TRAILER--2009	1	12.47	3.00		\$24.94		
3/21/2017	72340	1091	DUMP TRUCK--2010	1	49.36	2.00		\$98.72		
3/21/2017	72340	2532	SHEELER DAVID	3	16.92	2.00	\$33.84			
Road Id - 002764- WHITWORTH DR										
Activity Id -J50 Ditching										
Road District -2										
3/21/2017	72343	0027	BRYANT JERRY A	3	30.20	3.00	\$151.00			
3/21/2017	72343	0997	DUMP TRUCK--2008	1	49.36	3.00		\$246.88		
3/21/2017	72343	1041	BACKHOE--2013 CAT 400F	1	61.73	3.00		\$308.65		
3/21/2017	72343	1809	PERKINS ROGER L	3	21.78	3.00	\$108.90			
3/21/2017	72343	1065	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.05		
3/21/2017	72343	2507	GRANGER BRUCE	3	18.84	3.00	\$94.20			
3/21/2017	72343	0882	DUMP TRUCK--FLAT BED	1	49.36	3.00		\$246.88		
Road Id - 002768- WHORTON BEND ROAD										
Activity Id -J50 Ditching										
Road District -4										
2/22/2017	72316	1517	WASHINGTON ROBERT E	3	27.93	3.00	\$139.65			
2/22/2017	72316	1065	TRUCK--2007 FORD F150	1	18.86	3.00		\$94.38		
2/22/2017	72316	1530	GUTHRY THOMAS	3	21.38	3.00	\$105.50			
2/22/2017	72316	1053	EXCAVATOR--WHEELED	1	148.69	3.00		\$743.45		
2/22/2017	72316	1468	DUTTON CLAUDE C	3	18.56	3.00	\$90.80			
2/22/2017	72316	1064	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.05		
2/22/2017	72316	2528	CATLING LEVAR	3	19.01	3.00	\$95.05			
2/22/2017	72316	1031	TRUCK--2008 FORD F450	1	29.08	3.00		\$145.40		
Road Id - 002774- WILLETT ROAD										
Activity Id -J50 Ditching										
Road District -3										
12/12/2016	72259	2521	HELL AMOS	3	20.27	2.50	\$50.68			
12/12/2016	72259	1043	BACKHOE--2003 CAT 400F	1	61.73	2.50		\$154.33		
12/12/2016	72259	2512	SHEELER DAVID	3	16.77	2.50	\$41.93			
12/12/2016	72259	1009	DUMP TRUCK--2016 MACK	1	104.81	2.50		\$262.03		
12/12/2016	72259	0679	KELLEY DONALD R	3	30.17	2.50	\$75.43			
12/12/2016	72259	0983	PICKUP	1	14.93	2.50		\$37.33		
Road Id - 002777- WILLEANSBURG ROAD										
Activity Id -J50 Ditching										
Road District -3										
2/16/2017	72311	1217	NORTON STEVE A	3	24.26	4.00	\$96.80			
2/16/2017	72311	1052	EXCAVATOR--WHEELED	1	148.69	4.00		\$594.76		
2/16/2017	72311	1144	HEARD ERIC W	3	24.69	4.00	\$98.76			

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Date	DJ Id	ID	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002180W MAINTENANCE DRAINAGE, DITCH SHOULDER										
Road Id - 002777- WILLIAMSBERG ROAD										
Activity Id 350 Ditching										
Road District -3										
3/16/2017	72311	1067	DUMP TRUCK--2016 MACK	1	104.81	4.00		\$419.24		
2/20/2017	72314	1217	NORTON STEVE A	3	24.20	3.00	\$72.60			
2/20/2017	72314	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
2/20/2017	72314	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			
2/20/2017	72314	1067	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
2/20/2017	72314	1524	KUSHN RICHARD A	3	27.90	5.00	\$139.50			
2/20/2017	72314	1055	PICKUP--2012 FORD F150	1	88.86	5.00		\$94.30		
Road Id - 002809- WRENN RD										
Activity Id 350 Ditching										
Road District -3										
3/15/2017	72333	1217	NORTON STEVE A	3	24.20	3.00	\$72.60			
3/15/2017	72333	1052	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
3/15/2017	72333	1144	HEARD ERIC W	3	24.69	5.00	\$123.45			
3/15/2017	72333	1067	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
3/16/2017	72336	1217	NORTON STEVE A	3	24.20	3.00	\$72.60			
3/16/2017	72336	1067	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.43		
Road Id - 002814- YATES ROAD										
Activity Id 350 Ditching										
Road District -2										
12/7/2016	72256	2326	CARROLL MARCUS	3	17.83	1.50	\$26.75			
12/7/2016	72256	0998	DUMP TRUCK--2008 GMC	1	47.19	1.50		\$70.79		
12/7/2016	72256	2505	EPSON ADAM	3	19.60	1.50	\$29.40			
12/7/2016	72256	1029	DUMP TRUCK--2006	1	46.35	1.50		\$69.53		
12/7/2016	72256	2323	SEARS MARQUETTE	3	16.43	1.50	\$24.62			
12/7/2016	72256	0981	PICKUP	1	88.31	1.50		\$27.47		
12/7/2016	72256	1330	GUTHERY THOMAS	3	20.95	1.50	\$31.43			
12/7/2016	72256	1053	EXCAVATOR--WHEELED	1	148.69	1.50		\$223.04		
12/7/2016	72256	1488	DUTTON CLAUDE C	3	18.40	1.50	\$27.60			
12/7/2016	72256	1064	DUMP TRUCK--2014 MACK	1	104.81	1.50		\$157.22		
12/7/2016	72256	2115	STOWERS SHEA	3	20.48	1.50	\$30.72			
12/7/2016	72256	1001	TRUCK--2008 FORD F450	1	27.92	1.50		\$41.88		
12/7/2016	72256	1041	BACKHOE--2013 CAT 408F	1	61.73	1.50		\$92.60		
12/7/2016	72256	2528	CATLING LEVAR	3	18.81	1.50	\$28.22			
12/7/2016	72256	2334	WINN TOMMY L	3	16.05	1.50	\$24.08			
Road Id - 002829- GRANDVIEW DR										
Activity Id 350 Ditching										
Road District -3										
2/1/2017	72298	1217	NORTON STEVE A	3	24.20	3.00	\$72.60			
2/1/2017	72298	1052	EXCAVATOR--WHEELED	1	148.69	3.00		\$446.07		
2/1/2017	72298	1381	SALERS WILLIAM R	3	21.90	3.00	\$65.70			
2/1/2017	72298	0952	DUMP TRUCK--FLATBED	1	49.36	3.00		\$148.08		
2/1/2017	72298	1144	HEARD ERIC W	3	24.69	3.00	\$74.07			
2/1/2017	72298	1067	DUMP TRUCK--2016 MACK	1	104.81	3.00		\$314.43		
2/8/2017	72304	1217	NORTON STEVE A	3	24.20	4.00	\$96.80			
2/8/2017	72304	1052	EXCAVATOR--WHEELED	1	148.69	4.00		\$594.76		
2/8/2017	72304	1381	SALERS WILLIAM R	3	21.90	4.00	\$87.60			
2/8/2017	72304	0952	DUMP TRUCK--FLATBED	1	49.36	4.00		\$197.44		
2/8/2017	72304	1144	HEARD ERIC W	3	24.69	4.00	\$98.76			
2/8/2017	72304	1067	DUMP TRUCK--2016 MACK	1	104.81	4.00		\$419.24		
Road Id - 002835- MOUNTAIN VIEW CHURCH RD										
Activity Id 350 Ditching										
Road District -4										
12/12/2016	72259	2327	ALLEN JORDAN	3	16.38	3.00	\$49.14			
12/12/2016	72259	1040	BACKHOE--2013 CAT 408F	1	61.73	3.00		\$185.19		
12/12/2016	72259	1000	TRAILER--2009	1	12.47	3.00		\$37.41		

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Project Id - 28-002-180W MAINTENANCE DRAINAGE DITCH/SHOULDER										
Road Id - 002835- MOUNTAIN VIEW CHURCH RD										
Activity Id - 358 Ditching										
Road District - 4										
12/13/2016	72260	1001	DUMP TRUCK--2009	1	47.93	3.00		\$143.79		
12/13/2016	72260	1217	NORTON STEVE A	3	23.92	3.00	\$71.76			
12/13/2016	72260	1052	EXCAVATOR--WHEELED	1	148.69	3.00		\$446.07		
12/13/2016	72260	1381	SALERS WILLIAM R	3	21.62	3.00	\$64.86			
12/13/2016	72260	1020	DUMP TRUCK--2009	1	45.15	3.00		\$135.45		
12/13/2016	72260	1044	HEARD ERIC W	3	24.40	3.00	\$73.20			
12/13/2016	72260	0952	DUMP TRUCK--FLATBED	1	45.41	3.00		\$136.23		
12/13/2016	72260	1524	KUHN RICHARD A	3	27.73	3.00	\$83.19			
12/13/2016	72260	1055	PICKUP--2012 FORD F150	1	18.19	3.00		\$53.77		
3/29/2017	72347	1524	KUHN RICHARD A	3	27.90	00.00	\$279.00			
3/29/2017	72347	2527	ALLEN KORDAN	3	16.34	00.00	\$163.44			
3/29/2017	72347	1040	BACKHOE--2015 CAT 430F	1	61.73	00.00		\$617.30		
3/29/2017	72347	1000	TRAILER--2009	1	12.47	00.00		\$124.70		
3/29/2017	72347	1001	DUMP TRUCK--2009	1	49.36	00.00		\$493.60		
3/29/2017	72347	1491	NAIL JAMES	3	22.71	00.00	\$227.10			
3/29/2017	72347	1028	DUMP TRUCK--2005 FORD	1	39.15	00.00		\$391.50		
3/29/2017	72347	2512	SOBELER DAVID	3	16.92	00.00	\$169.20			
Road Id - 002858- ANTIOCH ROAD										
Activity Id - 358 Ditching										
Road District - 2										
12/12/2016	72259	2526	CARROLL MARCUS	3	17.83	5.00	\$89.15			
12/12/2016	72259	0998	DUMP TRUCK--2008 GMC	1	47.19	5.00		\$235.95		
12/12/2016	72259	2505	GEPSON ADAM	3	19.60	5.00	\$98.00			
12/12/2016	72259	1029	DUMP TRUCK--2006	1	46.35	5.00		\$231.75		
12/12/2016	72259	1110	MCGATHA CHARLES K	3	23.94	5.00	\$119.70			
12/12/2016	72259	0981	PICKUP	1	18.31	5.00		\$91.55		
12/12/2016	72259	2528	CATTLING LEVAR	3	18.81	5.00	\$94.05			
12/12/2016	72259	1041	BACKHOE--2015 CAT 430F	1	61.73	5.00		\$308.65		
1/18/2017	72287	0027	BRYANT JERRY A	3	30.20	5.00	\$151.00			
1/18/2017	72287	0997	DUMP TRUCK--2008	1	49.36	5.00		\$246.80		
1/18/2017	72287	1041	BACKHOE--2015 CAT 430F	1	61.73	5.00		\$308.65		
1/18/2017	72287	2507	GRANGER BRUCE	3	18.84	5.00	\$94.20			
1/18/2017	72287	0882	DUMP TRUCK--FLAT BED	1	49.36	5.00		\$246.80		
1/18/2017	72287	1809	PERKINS ROGER L	3	21.78	5.00	\$108.90			
1/18/2017	72287	1065	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
2/13/2017	72308	1517	WASHINGTON ROBERT E	3	27.93	5.00	\$139.65			
2/13/2017	72308	1005	TRUCK--2007 FORD F150	1	18.88	5.00		\$94.30		
2/13/2017	72308	1530	GUTHRY THOMAS	3	21.10	5.00	\$105.50			
2/13/2017	72308	1053	EXCAVATOR--WHEELED	1	148.69	5.00		\$743.45		
2/13/2017	72308	1468	DUTTON CLAUDE C	3	18.36	5.00	\$91.80			
2/13/2017	72308	1064	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
2/13/2017	72308	2528	CATTLING LEVAR	3	19.01	5.00	\$95.05			
2/13/2017	72308	1004	TRUCK-PICK UP FLAT CREW	1	26.78	5.00		\$133.90		
Road Id - 002880- COPPERHEAD CIRCLE										
Activity Id - 358 Ditching										
Road District - 2										
3/6/2017	72327	1196	PATTERSON WILLIAM J	3	21.19	5.00	\$105.95			
3/6/2017	72327	1049	MOTOR GRADER--2013 CAT	1	122.21	5.00		\$611.05		
3/6/2017	72327	0027	BRYANT JERRY A	3	30.20	5.00	\$151.00			
3/6/2017	72327	0998	DUMP TRUCK--2008 GMC	1	49.36	5.00		\$246.80		
3/6/2017	72327	1042	BACKHOE--2015 CAT 430F	1	61.73	5.00		\$308.65		
3/6/2017	72327	1809	PERKINS ROGER L	3	21.78	5.00	\$108.90			
3/6/2017	72327	1029	DUMP TRUCK--2006	1	49.36	5.00		\$246.80		
Road Id - 002978- DAVIS FERRY ROAD										
Activity Id - 358 Ditching										

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Project Id - 28-002-180W MAINTENANCE-DRAINAGE,DITCH,SHOULDER										
Road Id - 002978- DAVIS FERRY ROAD										
Activity Id -358 Ditching										
Road District -2										
12/14/2016	72261	0027	BRYANT JERRY A	3	29.89	2.50	\$74.73			
12/14/2016	72261	0997	DUMP TRUCK--2008	1	47.19	2.50		\$117.98		
12/14/2016	72261	1042	BACKHOE--2015 CAT 430F	1	61.73	2.50		\$154.33		
12/14/2016	72261	1809	PERKINS ROGER L	3	21.49	2.50	\$53.73			
12/14/2016	72261	0882	DUMP TRUCK--FLAT BED	1	43.36	2.50		\$108.40		
12/14/2016	72261	2534	WINN TOMMY L	3	16.05	2.50	\$40.13			
12/14/2016	72261	1004	TRUCK-PICK UP FLAT CREW	1	24.91	2.50		\$62.28		
12/14/2016	72261	2507	GRANGER BRUCE	3	18.70	2.50	\$46.75			
12/14/2016	72261	1066	DUMP TRUCK--2006 MACK	1	104.81	2.50		\$262.03		
Road Id - 003027- BRESTOW CREEK TRAIL										
Activity Id -358 Ditching										
Road District -4										
5/17/2017	72286	1217	NORTON STEVE A	3	24.20	4.00	\$96.80			
5/17/2017	72286	1052	EXCAVATOR--WHEELED	1	148.69	4.00		\$594.76		
5/17/2017	72286	1581	SALERS WILLIAM R	3	21.90	4.00	\$87.60			
5/17/2017	72286	0852	DUMP TRUCK--FLATBED	1	49.36	4.00		\$197.44		
5/17/2017	72286	1144	HLAKD ERIC W	3	24.69	4.00	\$98.76			
5/17/2017	72286	1067	DUMP TRUCK--2006 MACK	1	104.81	4.00		\$419.24		
Road Id - 003050- REDGEVIEW DRIVE										
Activity Id -358 Ditching										
Road District -4										
12/12/2016	72259	2527	ALLEN JORDAN	3	16.38	4.00	\$65.52			
12/12/2016	72259	1040	BACKHOE--2015 CAT 430F	1	61.73	4.00		\$246.92		
12/12/2016	72259	1000	TRAILER--2009	1	12.47	4.00		\$49.88		
12/12/2016	72259	1001	DUMP TRUCK--2010	1	47.93	4.00		\$191.72		
Road Id - 003078- CENTER STREET										
Activity Id -358 Ditching										
Road District -2										
3/9/2017	72330	0027	BRYANT JERRY A	3	30.20	10.00	\$302.00			
3/9/2017	72330	0997	DUMP TRUCK--2008	1	49.36	10.00		\$493.60		
3/9/2017	72330	1041	BACKHOE--2015 CAT 430F	1	61.73	10.00		\$617.30		
3/9/2017	72330	1809	PERKINS ROGER L	3	21.78	10.00	\$217.80			
3/9/2017	72330	1065	DUMP TRUCK--2016 MACK	1	104.81	10.00		\$1,048.10		
3/9/2017	72330	1517	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
3/9/2017	72330	1005	TRUCK--2007 FORD F150	1	18.86	10.00		\$188.60		
Road Id - 003106- LITTLE BREWER ROAD										
Activity Id -358 Ditching										
Road District -2										
3/6/2017	72327	1196	PATTERSON WILLIAM J	3	21.19	5.00	\$105.95			
3/6/2017	72327	1049	MOTOR GRADER--2015 CAT	1	122.21	5.00		\$611.05		
3/6/2017	72327	0027	BRYANT JERRY A	3	30.20	5.00	\$151.00			
3/6/2017	72327	0998	DUMP TRUCK--2008 GMC	1	49.36	5.00		\$246.80		
3/6/2017	72327	1042	BACKHOE--2015 CAT 430F	1	61.73	5.00		\$308.65		
3/6/2017	72327	1809	PERKINS ROGER L	3	21.78	5.00	\$108.90			
3/6/2017	72327	1029	DUMP TRUCK--2006	1	49.36	5.00		\$246.80		
Project Cost by Category							\$137,287.61	\$455,082.99	\$0.00	\$0.00
Total Project Cost							\$592,370.60			

Project Id - 28-006-1MAINTAINING UNPAVED ROADS

Road Id - 001097- MILLER LANE

Activity Id -358 Ditching

Road District -4

4/11/2016	72051	2520	BOBO BRIAN	1	13.36	4.00	\$80.16			
4/11/2016	72051	1020	DUMP TRUCK--2005	1	51.54	4.00		\$206.16		

Etowah County Road Department
Job Cost Selective Report
 from 4/1/2016 to 3/31/2017

Date	BJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqs Cost	Mat Cost	Con Cost
Project Id -28-086-MAINTAINING UNPAVED ROADS										
Road Id - 001097- MILLER LANE										
Activity Id 350 Ditching										
Road District -4										
4/11/2016	72051	1581	SALERS WILLIAM R	1	14.06	10.00	\$141.60			
4/11/2016	72051	1031	MOTOR GRADER-2015 CAT	1	131.67	10.00		\$1,316.70		
4/11/2016	72051	2512	SHEELER DAVID	1	12.43	10.00	\$124.30			
4/11/2016	72051	0014	DUMP TRUCK-FLAT BED	1	48.79	10.00		\$487.90		
4/11/2016	72051	0679	KELLEY DONALD R	1	21.49	10.00	\$214.90			
4/11/2016	72051	0983	PICKUP	1	15.75	10.00		\$157.50		
4/11/2016	72051	2517	MESSER NICHOLAS A	1	13.71	10.00	\$137.10			
4/11/2016	72051	1050	INTEGRATED TOOL	1	90.86	10.00		\$900.60		
Road Id - 002319- RED OAK DRIVE										
Activity Id 350 Ditching										
Road District -4										
5/10/2016	72075	2517	MESSER NICHOLAS A	1	13.71	4.00	\$54.84			
5/10/2016	72075	1043	BACKHOE	1	67.34	4.00		\$269.36		
5/10/2016	72075	1000	TRAILER-UTILITY	1	11.58	4.00		\$46.32		
5/10/2016	72075	1001	DUMP TRUCK-FLATBED	1	54.34	4.00		\$217.36		
5/10/2016	72075	1225	POSEY JAMES O	1	16.12	4.00	\$64.48			
5/10/2016	72075	1020	DUMP TRUCK-3000	1	52.54	4.00		\$210.16		
5/10/2016	72075	0679	KELLEY DONALD R	1	21.49	4.00	\$85.96			
5/10/2016	72075	0983	PICKUP	1	15.75	4.00		\$63.00		
Project Cost by Category							\$983.34	\$3,880.06	\$0.00	\$0.00
Total Project Cost										\$4,783.40

Project Id -28-019-DRIVEWAY PIPE INSTALLATION										
Road Id - 002621- TERRELL ROAD										
Activity Id 350 Ditching										
Road District -4										
6/20/2016	72108	2527	ALLEN JORDAN	1	12.00	2.50	\$30.25			
6/20/2016	72108	1043	BACKHOE	1	67.34	2.50		\$168.35		
6/20/2016	72108	2529	SWORDS NICOLAS	1	13.36	2.50	\$33.40			
6/20/2016	72108	1000	TRAILER-UTILITY	1	11.58	2.50		\$28.95		
6/20/2016	72108	1001	DUMP TRUCK-FLATBED	1	54.34	2.50		\$135.85		
6/20/2016	72108	2512	SHEELER DAVID	1	12.43	2.50	\$31.08			
6/20/2016	72108	1011	DUMP TRUCK	1	88.96	2.50		\$222.40		
6/20/2016	72108	0679	KELLEY DONALD R	1	21.49	2.50	\$53.73			
6/20/2016	72108	0983	PICKUP	1	15.75	2.50		\$39.38		
Project Cost by Category							\$148.46	\$594.93	\$0.00	\$0.00
Total Project Cost										\$743.39

**Etowah County
Municipal Facilities**

Facility Name	Address
County Shop	402 Tuscaloosa Ave
County Shop	1950 US Hwy 431

Spill Control

- Are all spills wiped up quickly?
- 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 properly?

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.
- _____ 3. Create a barrier to prevent spill from spreading.
- _____ 4. Use spill absorbents for greasy, oily, flammable, or toxic materials.
- _____ 5. Promptly and safely dispose of used absorbent materials.
- _____ 6. Make sure area is properly vented and notify supervisor.

Each Item should be signed off on by employee handling spill control.

DAILY EQUIPMENT REPORT

OPERATOR NAME # _____

VEHICLE #	DATE	HOUR METER MILEAGE	ENGINE OIL	HYD OIL	RADIATOR	GREASED	OTHER

DESCRIBE DEFECTS: _____

GARAGE REPAIR ORDER

REPAIR # : 2553

Parts Cost:	\$11.34	Date In:	07/11/2016	Equip Id/Desc:	1053 EXCAVATOR--WHEELED WMULCH
LEM Cost:	\$14.83	Date Out:	07/21/2016	Vehicle #:	
Other Cost:	\$0.00	Mileage/Hrs:	/ 794	Asset #:	10008
Job Total Cost:	\$26.17	VIN:		Department:	GADSDEN SHOP
		Emp Name:			
		Transfer Fund:	111 - 3110 - 531.23-40		

Repairs Needed: BROKEN GREASE LINE

Repairs Done: REPLACED WITH USED ONE

Materials/Labor

Type	Id	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

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	Vehicle #:	
Other Cost:	\$0.00	Mileage/Hrs:	100,564 /	Asset #:	
Job Total Cost:	\$67.42	VIN:		Department:	ATTALLA SHOP
		Emp Name:	MARK L		
		Transfer Fund:	111 - 5310-		

Repairs Needed: HYD CYLINDER LEAKING

Repairs Done: REMOVED ENCAP AND REBUILT

Materials/Labor

Type	Id	Name/Desc	Rate	Units	Cost
L	2517	MESSER NICHOLAS A	\$13.71	2.00	\$27.42
P		HYDRAULIC OIL	\$10.00	4.00	\$40.00

GARAGE REPAIR ORDER

REPAIR # : 2572

Parts Cost:	\$156.54	Date In:	06/09/2016	Equip Id/Desc:	812
LEM Cost:	\$42.22	Date Out:	06/09/2016	Vehicle #:	
Other Cost:	\$0.00	Mileage/Hrs:	208,088 /	Asset #:	
Job Total Cost:	\$198.76	VIN:		Department:	ROAD DEPARTMENT
		Emp Name:			
		Transfer Fund:	111 - 3110 - 531.23-40		

Repairs Needed: COOLANT LEAK

Repairs Done: REPLAED COOLANT PUMP, THERMOSTAT AND COOLANT

Materials/Labor

Type	Id	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
P		window washer	\$1.25	1.00	\$1.25
P		ANTIFREEZE	\$10.57	3.00	\$31.71
P	FWP0409	WATER PUMP	\$103.59	1.00	\$103.59
P	37987	T-STAT	\$19.99	1.00	\$19.99

GARAGE REPAIR ORDER

REPAIR # : 2575

Parts Cost:	\$391.18	Date In:	04/08/2016	Equip Id/Desc:	1041 BACKHOE
LEM Cost:	\$58.52	Date Out:	04/08/2016	Vehicle #:	
Other Cost:	\$0.00	Mileage/Hrs:	/ 260	Asset #:	9998
Job Total Cost:	\$449.70	VIN:		Department:	ROAD DEPARTMENT
		Emp Name:			
		Transfer Fund:	111 - 3110 - 631.23-40		

Repairs Needed: BROKEN HOSE

Repairs Done: REPLACED HOSE

Materials/Labor

Type	Id	Name/Desc	Rate	Units	Cost
L	1882	HESTER BENNY D	\$14.83	2.00	\$29.66
L	2502	BADGETT THOMAS	\$14.43	2.00	\$28.86
P		HYD OIL			\$345.00
P		HD HOSE	\$12.23	1.00	\$12.23
P	GW-30	HD OIL	\$33.95	1.00	\$33.95

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		TRACTOR--MOWER W/TIGER MOT
Other Cost:	\$0.00	Mileage/Hrs:	/ 1,708	Vehicle #:	
Job Total Cost:	\$16.33	VIN:		Asset #:	
		Emp Name:	SEARS	Department:	ROAD DEPARTMENT
		Transfer Fund:	111 - 3110 - 531.23-40		

Repairs Needed: HYDRAULIC LEAK ON MAIN BOOM

Repairs Done: REPLACED O-RING ON LINE

Materials/Labor

Type	Id	Name/Desc	Rate	Units	Cost
L	1882	HESTER BENNY D	\$14.83	1.00	\$14.83
P		O-RING	\$0.50	1.00	\$0.50
P		3 ZIP TIES	\$1.00	1.00	\$1.00

GARAGE REPAIR ORDER

REPAIR # : 2001

Parts Cost:	\$62.00	Date In:	04/14/2016	Equip Id/Desc:	977
LEM Cost:	\$14.83	Date Out:	04/14/2016	Vehicle #:	
Other Cost:	\$0.00	Mileage/Hrs:	43,120 /	Asset #:	
Job Total Cost:	\$76.83	VIN:		Department:	
		Emp Name:	BRUCE		
		Transfer Fund:	- -		

Repairs Needed: COOLANT LEAK BROKEN 3/8" LINE

Repairs Done:

Materials/Labor

Type	Id	Name/Desc	Rate	Units	Cost
L	1882	HESTER BENNY D	\$14.83	1.00	\$14.83
P		3/8" HOSE	\$2.00	1.00	\$2.00
P		COOLANT	\$10.00	6.00	\$60.00

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	Vehicle #:	
Other Cost:	\$0.00	Mileage/Hrs:	98,118 /	Asset #:	
Job Total Cost:	\$39.28	VIN:		Department:	ATTALLA SHOP
		Emp Name:	MARK J		
		Transfer Fund:	111 - 53106		

Repairs Needed: CYLINDER ON GRAVEL LID LEAKING

Repairs Done: REMOVED CY __, REPACKED AT UNITED HYRAULIC ___

INTALLED TWO NEW BATTER TERMINALS

Materials/Labor

Type	Id	Name/Desc	Rate	Units	Cost
L	1194	SUTTON WILLIAM M	\$16.94	2.00	\$33.88
P		battery terminals	\$2.70	2.00	\$5.40

GARAGE REPAIR ORDER

REPAIR # : 2018

Parts Cost:	\$300.50	Date In:	05/18/2016	Equip Id/Desc:	1029 DUMP TRUCK
LEM Cost:	\$43.29	Date Out:	05/18/2016	Vehicle #:	
Other Cost:	\$0.00	Mileage/Hrs:	134,314 /	Asset #:	9878
Job Total Cost:	\$343.79	VIN:	1HTMMAAR86H304925	Department:	GADSDEN SHOP
		Emp Name:			
		Transfer Fund:	111 - 3110 - 531.23-40		

Repairs Needed: WATER PUMP LEAKING

Repairs Done: REPLACE PUMP AND COOLANT

Materials/Labor

Type	Id	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
P		COOLANT	\$10.00	7.00	\$70.00

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		TRUCK--PICK UP FLAT CREW
Other Cost:	\$0.00	Mileage/Hrs:	140,624 /	Vehicle #:	
Job Total Cost:	\$7.22	VIN:	1FDXW48P03ED09057	Asset #:	9414
		Emp Name:		Department:	ATTALLA SHOP
		Transfer Fund:	111 - 5310-		

Repairs Needed: OIL LEAK

Repairs Done: TIGHTENED OIL FILTER

Materials/Labor

Type	Id	Name/Desc	Rate	Units	Cost
L	2502	BADGETT THOMAS	\$14.43	0.50	\$7.22

GARAGE REPAIR ORDER

REPAIR # : 2640

Parts Cost:	\$0.00	Date In:	05/19/2016	Equip Id/Desc:	328
LEM Cost:	\$29.66	Date Out:	05/19/2016	Vehicle #:	
Other Cost:	\$0.00	Mileage/Hrs:	/ 1,202	Asset #:	
Job Total Cost:	\$29.66	VIN:		Department:	
		Emp Name:	STEVE		
		Transfer Fund:	-		

Repairs Needed: HYDRAULIC LEAK

Repairs Done: REPLACED O-RING ON PUMP MOTOR

Materials/Labor

Type	Id	Name/Desc	Rate	Units	Cost
L	1882	HESTER BENNY D	\$14.83	2.00	\$29.66

GARAGE REPAIR ORDER

REPAIR # : 2685

Parts Cost: \$1,459.06	Date In: 05/20/2016	Equip Id/Desc: 1016
LEM Cost: \$87.78	Date Out: 05/20/2016	BROOM
Other Cost: \$0.00	Mileage/Hrs: / 930	Vehicle #:
Job Total Cost: \$1,546.84	VIN:	Asset #: 9897
	Emp Name:	Department: ROAD DEPARTMENT
	Transfer Fund: 111 - 3110 - 531.23-40	

Repairs Needed: BD SEAL IN AUX PUMP ..

Repairs Done: REPLACED STEER ORBIT - LEAKING // OIL //REBULOT CYLINDER //

REPLACED HYDRAULIC FILTER

Materials/Labor

Type	Id	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
P	39045	POWER STEERING MOTOR	\$1,340.00	1.00	\$1,340.00
P	6400-06-06	FITING	\$6.00	1.00	\$6.00
P	HYD OIL	UNIVERSAL	\$5.00	15.00	\$75.00
P	BT8851-MPG	HD FILTER	\$38.06	1.00	\$38.06

GARAGE REPAIR ORDER

REPAIR # : 2714

Parts Cost:	\$165.00	Date In:	08/10/2016	Equip Id/Desc:	0948 RECLAIMER/MIXER
LEM Cost:	\$28.80	Date Out:	08/11/2016	Vehicle #:	
Other Cost:	\$0.00	Mileage/Hrs:	/	Asset #:	8555
Job Total Cost:	\$193.80	VIN:		Department:	GADSDEN SHOP
		Emp Name:			
		Transfer Fund:	111 - 3110 - 531.23-40		

Repairs Needed: LEAKING STEERING CLYINDER

Repairs Done: HAD CYLINDER REBUILT AND INSTALLED

Materials/Labor

Type	Id	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

GARAGE REPAIR ORDER

REPAIR # : 2004

Parts Cost:	\$173.30	Date In:	01/25/2017	Equip Id/Desc:	1035
LEM Cost:	\$147.35	Date Out:	01/25/2017		TRACTOR--2009 JOHN DEER WMC
Other Cost:	\$0.00	Mileage/Hrs:	/ 1,749	Vehicle #:	
Job Total Cost:	\$320.65	VIN:	K-ITA-350493	Asset #:	9875
		Emp Name:		Department:	ETOWAH COUNTY WIDE
		Transfer 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
P	L169099	O RING	\$3.41	1.00	\$3.41
P	L209136	O RING	\$2.00	1.00	\$2.00
P	AL179270	RADIATOR RESERVOIR	\$167.89	1.00	\$167.89

GARAGE REPAIR ORDER

REPAIR # : 2941

Parts Cost:	\$17.00	Date In:	01/30/2017	Equip Id/Desc:	1001
LEM Cost:	\$14.72	Date Out:	01/30/2017		DUMP TRUCK--2010 INTERNATIONAL
Other Cost:	\$0.00	Mileage/Hrs:	45,195 /	Vehicle #:	
Job Total Cost:	\$31.72	VIN:	1HTMKAAR6AH213765	Asset #:	9313
		Emp Name:		Department:	ATTALLA SHOP
		Transfer 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
P	ANTIFREEZE	ANTIFREEZE	\$12.00	1.00	\$12.00
P	FUEL LINE	FUEL LINE	\$5.00	1.00	\$5.00

GARAGE REPAIR ORDER

REPAIR # : 2995

Parts Cost:	\$79.97	Date In:	02/17/2017	Equip Id/Desc:	0947 ASPHALT PATCHER
LEM Cost:	\$44.16	Date Out:	02/17/2017	Vehicle #:	
Other Cost:	\$0.00	Mileage/Hrs:	105,629 /	Asset #:	8542
Job Total Cost:	\$124.13	VIN:	1FVAB38V33DL04496	Department:	ATTALLA SHOP
		Emp Name:			
		Transfer 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
P	PLBTS3030-4	BRAKE CHAMBER	\$73.88	1.00	\$73.88

GARAGE REPAIR ORDER

REPAIR # : 2998

Parts Cost:	\$29.32	Date In:	02/20/2017	Equip Id/Desc:	1052
LEM Cost:	\$29.50	Date Out:	02/20/2017		EXCAVATOR--WHEELED 2015 CAT
Other Cost:	\$0.00	Mileage/Hrs:	/ 952	Vehicle #:	
Job Total Cost:	\$58.82	VIN:	2W00268	Asset #:	10007
		Emp Name:		Department:	GADSDEN SHOP
		Transfer Fund:	111 - 3110 - 531.23-40		

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
P	4A66V	FITTING	\$12.60	1.00	\$12.60
P	4S66V	FITTING	\$8.80	1.00	\$8.80
P	HOSE	HYDRO HOSE	\$7.92	1.00	\$7.92

GARAGE REPAIR ORDER

REPAIR # : 3015

Parts Cost:	\$249.00	Date In:	03/01/2017	Equip Id/Desc:	1042 BACKHOE--2015 CAT 430F
LEM Cost:	\$75.80	Date Out:	03/01/2017	Vehicle #:	
Other Cost:	\$0.00	Mileage/Hrs:	/ 993	Asset #:	9996
Job Total Cost:	\$324.80	VIN:	HRDF00784	Department:	GADSDEN SHOP
		Emp Name:			
		Transfer Fund:	111 - 3110 - 531.23-40		

Repairs Needed: HYDRO LINES LEAKING.

Repairs Done: REPLACED BOTH HYDRO LINES AND FILLED WITH FLUID.

Materials/Labor

Type	Id	Name/Desc	Rate	Units	Cost
L	1682	HESTER BENNY D	\$15.16	5.00	\$75.80
P		HYD LINE	\$94.20	1.00	\$94.20
P		HYD LINE	\$54.80	1.00	\$54.80
P		SAFE SPIRAL LINE COVER	\$35.00	1.00	\$35.00
P	CAT	FLUID	\$65.00	1.00	\$65.00

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		TRUCK-PICK UP FLAT CREW
Other Cost:	\$0.00	Mileage/Hrs:	148,348 /	Vehicle #:	
Job Total Cost:	\$509.59	VIN:	1FDXW46P03ED09050	Asset #:	9415
		Emp Name:		Department:	GADSDEN SHOP
		Transfer 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
P	177621	FAN CLUTCH	\$210.05	1.00	\$210.05
P	999396	OIL FILTER HOUSING SEAL	\$22.58	1.00	\$22.58
P	ANTIFREEZE	ANTIFREEZE	\$12.00	1.00	\$12.00

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 INTERNATIONAL
Other Cost:	\$0.00	Mileage/Hrs:	45,657 /	Vehicle #:	
Job Total Cost:	\$41.86	VIN:	1HTMKAAR8AH213765	Asset #:	9313
		Emp Name:		Department:	ATTALLA SHOP
		Transfer Fund:	111-5310-		

Repairs Needed: BUSTED HOSE.

Repairs Done: REPLACED HOSE

Materials/Labor

Type	Id	Name/Desc	Rate	Units	Cost
P	022122	RADIATOR HOSE	\$15.14	1.00	\$15.14
P	ANTIFREEZE	ANTIFREEZE	\$12.00	1.00	\$12.00
L	2517	MESSER NICHOLAS A	\$14.72	1.00	\$14.72

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 FL
Other Cost:	\$0.00	Mileage/Hrs:	112,322 /	Vehicle #:	
Job Total Cost:	\$271.63	VIN:	1FDWW36P05EB40084	Asset #:	9877
		Emp Name:		Department:	ATTALLA SHOP
		Transfer Fund:	111 - 5310-		

Repairs Needed: RADIATOR LEAKING ANTIFREEZE.

Repairs Done: REPLACED RADIATOR

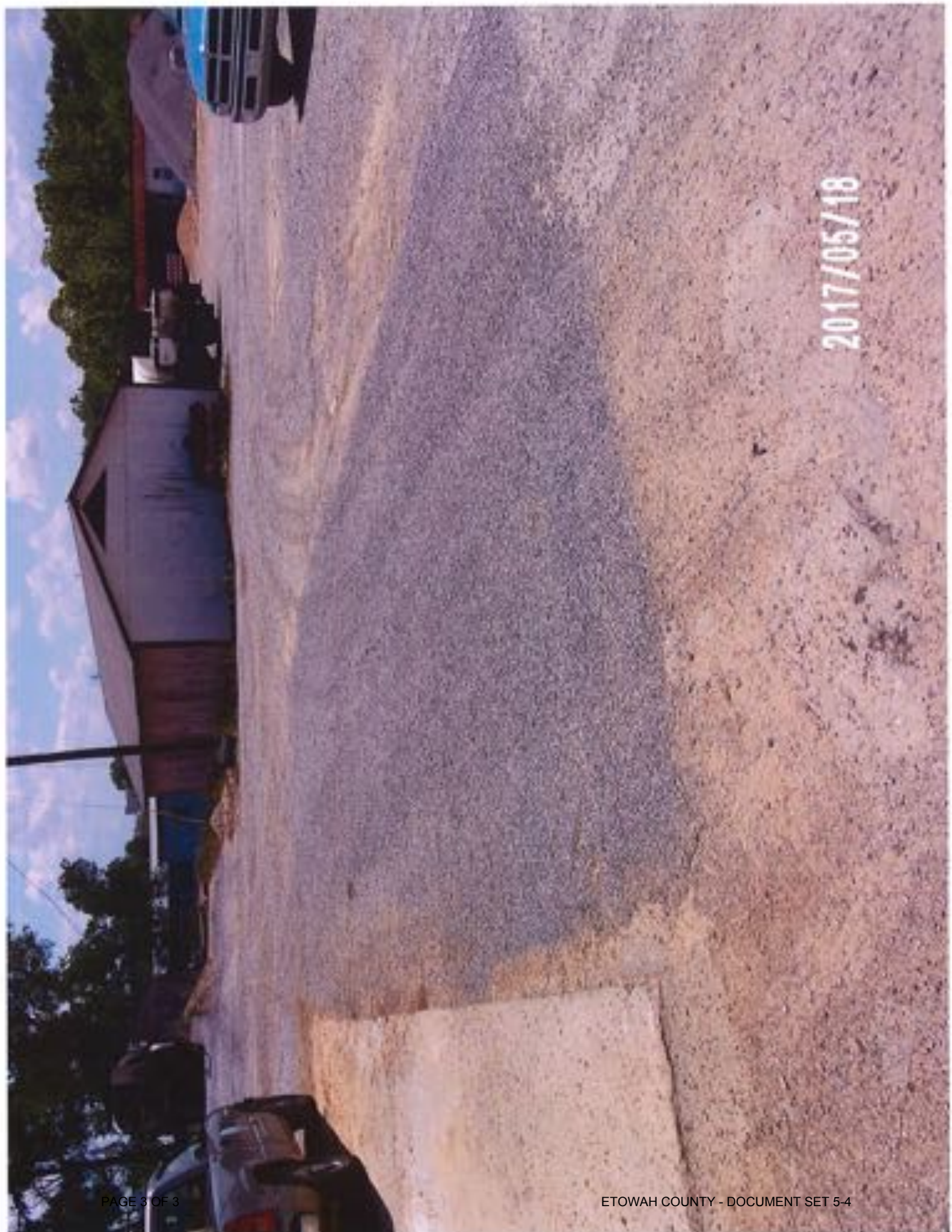
Materials/Labor

Type	Id	Name/Desc	Rate	Units	Cost
P	CU2887	RADIATOR	\$203.99	1.00	\$203.99
P	WWF	WINDSHEID WASHER FLUID	\$1.75	4.00	\$7.00
L	1882	HESTER BENNY D	\$15.16	4.00	\$60.64

Activities - Check each activity present at the site.	BMP			Implementation	Effectiveness*
	Yes	No	NA	Satisfactory	Needs Improvement
<input type="checkbox"/> Vehicle Washing					
1. Is vehicle washing performed over a pervious surface (grass, gravel)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2. Is vehicle wash water contained on the property to minimize pollutants from entering the storm water system?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3. Is wash water runoff allowed to enter the storm water system?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4. Is water turned off when not actively washing down vehicle?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5. Are degreasing activities conducted off site at a facility set up for such activity?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6. Are other alternative agents and cleaners in use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		




2017/05/18



2017/05/18

PESTICIDE APPLICATOR PERMIT



Department of
**AGRICULTURE &
INDUSTRIES**

Alabama

Richard Beard Building
1405 Federal Drive
Montgomery, AL 36107

Food Safety & Consumer Division - Pesticide Management
Phone (204) 340-7240 or 240-7241 Fax (204) 340-7168
www.ag.alabama.gov/pesticide_management

This is to attest that
GUTHRY, THOMAS D.
is certified as a
Commercial Applicator

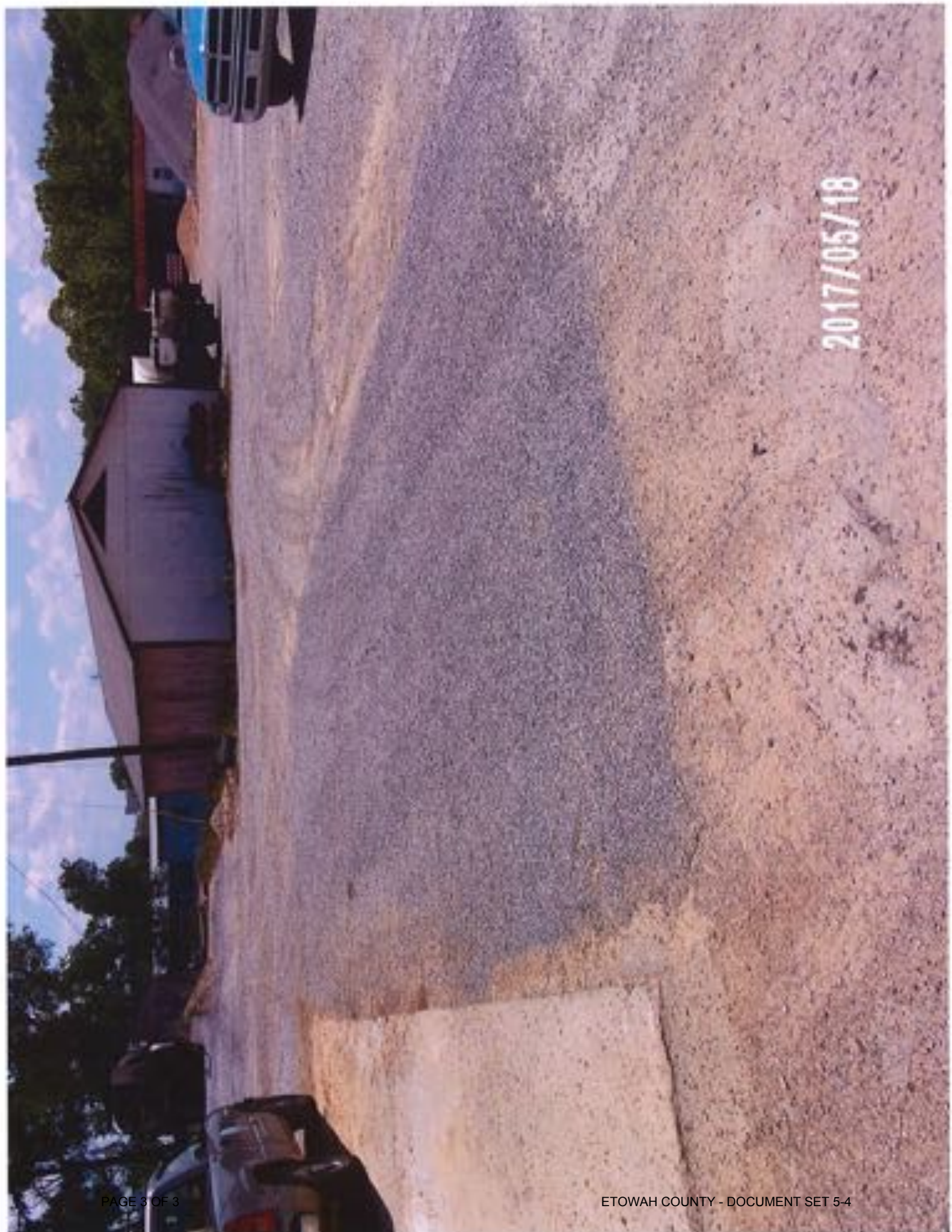
Categories: GRG; ROW;
Expires: 5/28/2017
Permit Number: 15384



Activities - Check each activity present at the site.	BMP			Implementation	Effectiveness*
	Yes	No	N/A	Satisfactory	Needs Improvement
<input type="checkbox"/> Vehicle Washing					
1. Is vehicle washing performed over a pervious surface (grass, gravel)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2. Is vehicle wash water contained on the property to minimize pollutants from entering the storm water system?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3. Is wash water runoff allowed to enter the storm water system?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4. Is water turned off when not actively washing down vehicle?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5. Are degreasing activities conducted off site at a facility set up for such activity?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6. Are other alternative agents and cleaners in use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		




2017/05/18



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Categories: GRG; ROW;
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Etowah County Road Department
Job Cost Selective Report
 from 4/1/2016 to 3/31/2017

Date	Job Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - -										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/27/2016	72064	1198	TALTON STEVEN W	1	18.22	10.00	\$182.20			
Road Id - 000001-2: CENTRE ROAD (CO RD 71)										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
5/4/2016	72070	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
5/4/2016	72070	0814	PICKUP	1	19.21	1.00		\$19.21		
5/4/2016	72070	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	1.00			\$21.46	
5/4/2016	72070	2000	WATER	GAL	0.00	60.00			\$0.00	
7/25/2016	72137	1130	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
7/25/2016	72137	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
8/25/2016	72164	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/25/2016	72164	0814	PICKUP	1	18.07	0.77		\$13.92		
8/25/2016	72164	1130	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
Road Id - 000013-: ALEXANDER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/16/2016	72105	1198	TALTON STEVEN W	1	18.22	0.58	\$10.37			
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			
8/2/2016	72144	0814	PICKUP	1	18.07	0.50		\$9.04		
8/2/2016	72144	1130	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
Road Id - 000015-: ALFORD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/19/2016	72058	1130	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
6/19/2016	72058	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
7/23/2016	72135	1130	GUTHERY THOMAS	2	22.81	0.59	\$13.46			
7/23/2016	72135	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
8/30/2016	72168	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
8/30/2016	72168	0814	PICKUP	1	18.07	0.71		\$12.83		
8/30/2016	72168	1130	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
Road Id - 000017-: ALFORDS BEND CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/27/2016	72139	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
7/27/2016	72139	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 000018-: ALFORDS BEND ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
5/5/2016	72071	1198	TALTON STEVEN W	1	18.22	0.83	\$15.13			
5/5/2016	72071	0814	PICKUP	1	19.21	0.83		\$15.95		
5/5/2016	72071	1130	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
7/27/2016	72139	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
7/27/2016	72139	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 000019-: ALFREDA DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/27/2016	72114	1130	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
6/27/2016	72114	1013	TRUCK-HERBICIDE-2000	1	42.01	0.59		\$24.79		
9/26/2016	72195	1130	GUTHERY THOMAS	1	15.66	0.36	\$5.64			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road Id - 000022-: ALLEN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/27/2016	72114	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			

Etowah County Road Department
Job Cost Selective Report
 from 4/1/2016 to 3/31/2017

Date	DEM	ID	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 24-018-HERBICIDE PROGRAM										
Road Id - 000022- ALLEN ROAD										
Activity Id - 400 Herbicide Treatment										
Road District - 4										
6/23/2016	T2114	1012	TRUCK-HERBICIDE	1	42.00	1.00		\$42.00		
8/22/2016	T2144	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
8/22/2016	T2141	0814	PICKUP	1	18.07	1.00		\$18.07		
8/22/2016	T2141	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
9/19/2016	T2187	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/19/2016	T2187	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 000023- AQUA VESTA DR E										
Activity Id - 400 Herbicide Treatment										
Road District - 2										
6/1/2016	T2092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	T2092	1013	TRUCK-HERBICIDE-2000	1	42.00	0.29		\$12.19		
9/21/2016	T2189	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/21/2016	T2189	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
Road Id - 000024- AQUA VESTA DR W										
Activity Id - 400 Herbicide Treatment										
Road District - 2										
6/1/2016	T2092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	T2092	1013	TRUCK-HERBICIDE-2000	1	42.00	0.29		\$12.19		
9/21/2016	T2189	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/21/2016	T2189	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
Road Id - 000028- ARLEDGE DRIVE										
Activity Id - 400 Herbicide Treatment										
Road District - 3										
6/17/2016	T2106	1198	TALTON STEVEN W	2	26.45	0.38	\$10.06			
6/17/2016	T2106	1012	TRUCK-HERBICIDE	1	42.00	0.38		\$15.97		
Road Id - 000034- ADAMS ROAD										
Activity Id - 400 Herbicide Treatment										
Road District - 2										
6/8/2016	T2098	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
6/8/2016	T2098	1013	TRUCK-HERBICIDE-2000	1	42.00	0.71		\$29.83		
9/1/2016	T2171	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
9/1/2016	T2171	0814	PICKUP	1	18.07	0.43		\$7.78		
9/1/2016	T2171	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/14/2016	T2182	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
9/14/2016	T2182	1013	TRUCK-HERBICIDE-2000	1	39.52	0.71		\$28.06		
Road Id - 000035- ADCOCK-MAYO ROAD										
Activity Id - 400 Herbicide Treatment										
Road District - 3										
4/25/2016	T2062	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
4/25/2016	T2062	1012	TRUCK-HERBICIDE	1	42.00	0.45		\$18.91		
7/18/2016	T2131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	T2131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 000038- ALLENSTEIN BOULEVARD										
Activity Id - 400 Herbicide Treatment										
Road District - 2										
6/1/2016	T2092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	T2092	1013	TRUCK-HERBICIDE-2000	1	42.00	0.29		\$12.19		
9/2/2016	T2172	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/2/2016	T2172	0814	PICKUP	1	18.07	0.71		\$12.83		
9/2/2016	T2172	1530	GUTHERY THOMAS	2	22.81	0.71	\$16.20			
9/23/2016	T2191	1530	GUTHERY THOMAS	2	22.81	0.45	\$10.27			
9/23/2016	T2191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.45		\$17.79		
Road Id - 000039- ALLEWAL DRIVE										
Activity Id - 400 Herbicide Treatment										
Road District - 3										

Etowah County Road Department
Job Cost Selective Report
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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-038-HERBICIDE PROGRAM										
Road Id - 000639- ALLTVAL DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/23/2016	72100	1198	TALTON STEVEN W	1	18.22	0.91	\$16.39			
6/23/2016	72110	1012	TRUCK-HERBICIDE	1	42.01	0.91		\$38.23		
8/17/2016	72157	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/17/2016	72157	0814	PICKUP	1	18.07	0.77		\$13.92		
8/17/2016	72157	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/21/2016	72189	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/21/2016	72189	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road Id - 000641- ALVERSON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
6/8/2016	72098	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
6/8/2016	72098	1013	TRUCK-HERBICIDE-2000	1	42.01	0.71		\$29.83		
9/1/2016	72171	1198	TALTON STEVEN W	1	18.22	0.43	\$7.94			
9/1/2016	72171	0814	PICKUP	1	18.07	0.43		\$7.78		
9/1/2016	72171	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/13/2016	72181	1530	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
9/13/2016	72181	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
Road Id - 000648- ANDERSON MORGAN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
5/2/2016	72068	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
5/2/2016	72068	0814	PICKUP	1	19.21	1.50		\$28.82		
5/2/2016	72068	1530	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
6/28/2016	72113	1198	TALTON STEVEN W	1	18.22	0.59	\$10.75			
6/28/2016	72113	0814	PICKUP	1	19.21	0.59		\$11.34		
6/28/2016	72113	1530	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
Road Id - 000649- ANDERSON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
5/4/2016	72070	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
5/4/2016	72070	0814	PICKUP	1	19.21	1.00		\$19.21		
5/4/2016	72070	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
6/1/2016	72092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.35			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
7/28/2016	72140	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
7/28/2016	72140	0814	PICKUP	1	18.07	1.00		\$18.07		
7/28/2016	72140	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
9/23/2016	72191	1530	GUTHERY THOMAS	2	22.81	0.45	\$10.27			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.45		\$17.79		
Road Id - 000650- ANISKA DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District -6										
6/20/2016	72059	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/20/2016	72059	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
Road Id - 000651- ANITA LANE										
Activity Id - 401 Herbicide Treatment										
Road District -6										
6/20/2016	72059	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/20/2016	72059	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
Road Id - 000656- ANNA DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/17/2016	72106	1198	TALTON STEVEN W	2	26.45	0.38	\$10.06			
6/17/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$13.97		
Road Id - 000657- ANNIE GASKIN ROAD										

Etowah County Road Department
Job Cost Selective Report
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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-008-HERBICIDE PROGRAM										
Road Id - 000057- ANNIE GASKIN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/14/2016	72100	1198	TALTON STEVEN W	1	18.22	0.58	\$10.37			
6/14/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
9/23/2016	72191	1198	TALTON STEVEN W	2	26.45	0.56	\$14.82			
9/23/2016	72190	1012	TRUCK-HERBICIDE	1	39.52	0.56		\$22.14		
Road Id - 000058- ANNIE GASKIN SPUR										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/14/2016	72100	1198	TALTON STEVEN W	1	18.22	0.58	\$10.37			
6/14/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
9/23/2016	72191	1198	TALTON STEVEN W	2	26.45	0.56	\$14.82			
9/23/2016	72190	1012	TRUCK-HERBICIDE	1	39.52	0.56		\$22.14		
Road Id - 000059- APPALACHIAN HIGHWAY										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
5/5/2016	72071	1198	TALTON STEVEN W	1	18.22	0.83	\$15.13			
5/5/2016	72071	0814	PICKUP	1	19.23	0.83		\$15.95		
5/5/2016	72071	1530	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
5/13/2016	72078	1198	TALTON STEVEN W	2	26.45	2.50	\$66.13			
5/13/2016	72078	0814	PICKUP	1	19.23	2.50		\$48.03		
5/13/2016	72078	1530	GUTHERY THOMAS	2	22.81	2.50	\$57.03			
7/19/2016	72132	1530	GUTHERY THOMAS	1	15.66	0.38	\$5.96			
7/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
8/25/2016	72164	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/25/2016	72164	0814	PICKUP	1	18.07	0.77		\$13.92		
8/25/2016	72164	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.96			
8/30/2016	72168	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/30/2016	72168	0814	PICKUP	1	18.07	0.77		\$13.92		
8/30/2016	72168	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	1.50			\$49.49	
8/30/2016	72168	0910	HERBICIDE-MSMA (TARGET	GALLON	21.46	1.50			\$32.19	
8/30/2016	72168	2000	WATER	GAL	0.00	75.00			\$0.00	
8/30/2016	72168	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.96			
9/20/2016	72188	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
9/20/2016	72188	0814	PICKUP	1	18.07	1.00		\$18.07		
9/20/2016	72188	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	2.00			\$65.98	
9/20/2016	72188	0910	HERBICIDE-MSMA (TARGET	GALLON	21.46	2.00			\$42.92	
9/20/2016	72188	2000	WATER	GAL	0.00	100.00			\$0.00	
9/20/2016	72188	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
9/23/2016	72196	1530	GUTHERY THOMAS	1	15.66	0.54	\$8.46			
9/23/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.54		\$21.35		
9/23/2016	72196	2000	WATER	GAL	0.00	2,000.00			\$0.00	
9/23/2016	72196	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	20.00			\$659.70	
9/23/2016	72196	0928	HERBICIDE-GROUND ZERO	PNT	8.71	2.00			\$17.42	
9/23/2016	72196	0933	HERBICIDE-FOAM BUSTER	QT	5.15	0.23			\$1.29	
9/29/2016	72198	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
9/29/2016	72198	0814	PICKUP	1	18.07	1.50		\$27.11		
9/29/2016	72198	1530	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
Road Id - 000063- AQUA VESTA ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/1/2016	72092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
9/21/2016	72189	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/21/2016	72189	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
Road Id - 000064- ARCH DRIVE										
Activity Id - 401 Herbicide Treatment										

Etowah County Road Department
Job Cost Selective Report
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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 00064- ARCH DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/26/2016	72063	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
4/26/2016	72063	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
5/26/2016	72138	1198	TALTON STEVEN W	1	18.22	0.91	\$16.39			
5/26/2016	72138	1012	TRUCK-HERBICIDE	1	39.52	0.91		\$35.93		
Road Id - 00071- ARTHUR LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
5/3/2016	72069	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
5/3/2016	72069	0814	PICKUP	1	19.21	0.76		\$14.60		
5/3/2016	72069	1530	GUTHRY THOMAS	1	15.66	0.76	\$11.91			
6/28/2016	72115	1198	TALTON STEVEN W	1	18.22	0.56	\$10.21			
6/28/2016	72115	0814	PICKUP	1	19.21	0.56		\$10.76		
6/28/2016	72115	0910	HERBICIDE-MISMA (TARGET GALLON		21.46	4.00			\$85.84	
6/28/2016	72115	0916	HERBICIDE-DURON 4L GALLON		18.00	1.00			\$18.00	
6/28/2016	72115	2000	WATER GAL		0.00	100.00			\$0.00	
6/28/2016	72115	1530	GUTHRY THOMAS	1	15.66	0.56	\$8.77			
Road Id - 00073- ASHVILLE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/12/2016	72077	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
5/12/2016	72077	0815	PICKUP	1	19.21	0.55		\$10.57		
5/12/2016	72077	1530	GUTHRY THOMAS	1	15.66	0.55	\$8.62			
6/24/2016	72112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/24/2016	72112	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
8/18/2016	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	1530	GUTHRY THOMAS	1	15.66	0.50	\$7.83			
9/16/2016	72184	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/16/2016	72184	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 00074- ASSEMBLY OF GOD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/8/2016	72098	1198	TALTON STEVEN W	1	18.22	0.91	\$16.39			
6/8/2016	72098	1012	TRUCK-HERBICIDE	1	42.01	0.91		\$38.23		
9/12/2016	72180	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/12/2016	72180	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 00076- AUHORA ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/23/2016	72111	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/23/2016	72111	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
8/17/2016	72157	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/17/2016	72157	0814	PICKUP	1	18.07	0.77		\$13.92		
8/17/2016	72157	1530	GUTHRY THOMAS	1	15.66	0.77	\$12.06			
9/21/2016	72189	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/21/2016	72189	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road Id - 00077- AVIS DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/23/2016	72114	1530	GUTHRY THOMAS	1	15.66	0.59	\$9.24			
6/27/2016	72114	1013	TRUCK-HERBICIDE-2000	1	42.01	0.59		\$24.79		
9/26/2016	72195	1530	GUTHRY THOMAS	1	15.66	0.36	\$5.64			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road Id - 00079- BACHELOR CHAPEL ROAD										
Activity Id - 401 Herbicide Treatment										

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000079 - BACHELOR CHAPEL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/27/2016	72139	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
3/27/2016	72139	1012	TRUCK-HERBICIDE	1	39.52	0.77		\$30.44		
3/27/2016	72139	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	7.50			\$160.93	
3/27/2016	72139	0916	HERBICIDE-DURON 4L GALLON		18.00	7.50			\$135.00	
3/27/2016	72139	0928	HERBICIDE-GROUND ZERO PNT		8.71	1.00			\$8.71	
3/27/2016	72139	2000	WATER		0.00	2,000.00			\$0.00	
Road Id - 000081 - BAKER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/13/2016	72102	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/13/2016	72102	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
9/23/2016	72191	1198	TALTON STEVEN W	2	26.45	0.56	\$14.82			
9/23/2016	72191	1012	TRUCK-HERBICIDE	1	39.52	0.56		\$22.14		
Road Id - 000083 - BALLANGER LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/23/2016	72111	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/23/2016	72111	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
9/26/2016	72191	1198	TALTON STEVEN W	1	18.22	0.66	\$12.83			
9/26/2016	72191	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road Id - 000084 - BALLARD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
8/23/2016	72162	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
8/23/2016	72162	0814	PICKUP	1	18.07	0.52		\$9.40		
8/23/2016	72162	1330	GUTHERY THOMAS	1	15.66	0.52	\$8.15			
Road Id - 000087 - BAMA LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/19/2016	72058	1330	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/19/2016	72058	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
7/22/2016	72113	1330	GUTHERY THOMAS	2	22.81	0.59	\$13.46			
7/22/2016	72113	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
8/30/2016	72168	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
8/30/2016	72168	0814	PICKUP	1	18.07	0.71		\$12.83		
8/30/2016	72168	1330	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
Road Id - 000091 - BARBSDALE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/2/2016	72093	1198	TALTON STEVEN W	1	18.22	2.50	\$45.55			
6/2/2016	72093	1012	TRUCK-HERBICIDE	1	42.01	2.50		\$105.03		
6/7/2016	72097	1198	TALTON STEVEN W	1	18.22	2.00	\$36.44			
6/7/2016	72097	1012	TRUCK-HERBICIDE	1	42.01	2.00		\$84.02		
6/7/2016	72097	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	15.00			\$321.90	
6/7/2016	72097	0916	HERBICIDE-DURON 4L GALLON		18.00	15.00			\$270.00	
6/7/2016	72097	0928	HERBICIDE-GROUND ZERO PNT		8.71	1.00			\$8.71	
6/7/2016	72097	2000	WATER		0.00	2,000.00			\$0.00	
9/14/2016	72182	1198	TALTON STEVEN W	1	18.22	0.77	\$14.83			
9/14/2016	72182	1012	TRUCK-HERBICIDE	1	39.52	0.77		\$30.44		
Road Id - 000098 - BASKIN FERRY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/19/2016	72132	1330	GUTHERY THOMAS	1	15.66	0.38	\$5.96			
7/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
9/23/2016	72196	1330	GUTHERY THOMAS	1	15.66	0.43	\$6.74			

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqp Cost	Mat Cost	Com Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000098- BASKIN FERRY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
8/27/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road Id - 000101- BATTLES ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/17/2016	72106	1198	TALTON STEVEN W	2	26.45	0.38	\$10.06			
6/17/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$15.97		
Road Id - 000103- BEAGLE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
9/19/2016	72187	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/19/2016	72187	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 000104- BEAKED ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
5/5/2016	72071	1198	TALTON STEVEN W	1	18.22	0.87	\$15.86			
5/5/2016	72071	0814	PICKUP	1	19.21	0.87		\$16.72		
5/5/2016	72071	0909	HERBICIDE-MISMA (TARGET GALLON		21.46	1.00			\$21.46	
5/5/2016	72071	2000	WATER	GAL	0.00	60.00			\$0.00	
5/5/2016	72071	1130	GUTHERY THOMAS	1	15.66	0.87	\$13.63			
6/24/2016	72112	1130	GUTHERY THOMAS	2	22.81	0.52	\$11.87			
6/24/2016	72112	1013	TRUCK-HERBICIDE-2000	1	42.01	0.52		\$21.85		
8/25/2016	72164	1198	TALTON STEVEN W	1	18.22	0.77	\$14.83			
8/25/2016	72164	0814	PICKUP	1	18.07	0.77		\$13.92		
8/25/2016	72164	1130	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
Road Id - 000106- BEASLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/19/2016	72058	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72058	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
7/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.56			
7/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
Road Id - 000113- BEECH STREET										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/15/2016	72104	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.07		
Road Id - 000116- BELLAMY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/21/2016	72109	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/21/2016	72109	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
9/26/2016	72193	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/26/2016	72193	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road Id - 000118- NORTH BELMONT DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/21/2016	72060	1130	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
4/21/2016	72060	1013	TRUCK-HERBICIDE-2000	1	42.01	0.66		\$27.73		
9/5/2016	72171	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
9/5/2016	72171	0814	PICKUP	1	18.07	0.43		\$7.38		
9/5/2016	72171	1130	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/15/2016	72183	1130	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/15/2016	72183	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 000119- SOUTH BELMONT DRIVE										
Activity Id - 401 Herbicide Treatment										

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Date	BJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqp Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000115- SOUTH BELMONT DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/21/2016	72060	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
4/21/2016	72060	1013	TRUCK-HERBICIDE-2000	1	42.01	0.66		\$27.73		
9/1/2016	72171	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	72171	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/15/2016	72183	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/15/2016	72183	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 000126- BEN WOOD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/23/2016	72062	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
4/23/2016	72062	1012	TRUCK-HERBICIDE	1	42.01	0.45		\$18.91		
7/26/2016	72138	1198	TALTON STEVEN W	1	18.22	0.91	\$16.59			
7/26/2016	72138	1012	TRUCK-HERBICIDE	1	39.52	0.91		\$35.97		
Road Id - 000221- BENJAMIN DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/8/2016	72098	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
6/8/2016	72098	1013	TRUCK-HERBICIDE-2000	1	42.01	0.71		\$29.83		
Road Id - 000222- BENSON DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/8/2016	72098	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
6/8/2016	72098	1013	TRUCK-HERBICIDE-2000	1	42.01	0.71		\$29.83		
9/1/2016	72171	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	72171	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/13/2016	72181	1530	GUTHERY THOMAS	1	15.66	0.99	\$9.24			
9/13/2016	72181	1013	TRUCK-HERBICIDE-2000	1	39.52	0.99		\$23.32		
Road Id - 000230- BERRY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
4/18/2016	72057	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/18/2016	72057	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
9/27/2016	72196	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
9/27/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.45		\$17.79		
Road Id - 000237- BILLY SMITH DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/23/2016	72111	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/23/2016	72111	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
9/26/2016	72195	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/26/2016	72195	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road Id - 000241- BISHOP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
5/2/2016	72068	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
5/2/2016	72068	0814	PICKUP	1	99.21	1.00		\$19.21		
5/2/2016	72068	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
Road Id - 000242- BLACK BOTTOM ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/27/2016	72114	1198	TALTON STEVEN W	1	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 STEVEN W	1	18.22	1.00	\$18.22			

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Date	Dist	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-015-HERBICIDE PROGRAM										
Road Id - 000142- BLACK BOTTOM ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
8/23/2016	72161	0814	PICKUP	1	18.07	1.00		\$18.07		
8/23/2016	72161	1130	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
9/19/2016	72187	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
9/19/2016	72187	1012	TRUCK-HERBICIDE	1	39.52	0.77		\$30.44		
9/19/2016	72187	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	15.00			\$494.85	
9/19/2016	72187	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
9/19/2016	72187	2000	WATER	GAL	0.00	2,000.00			\$0.00	
Road Id - 000143- BLACK CREEK ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
6/8/2016	72098	1130	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
6/8/2016	72098	1013	TRUCK-HERBICIDE-2000	1	42.01	0.71		\$29.83		
9/1/2016	72171	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	72171	1130	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/14/2016	72182	1130	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/14/2016	72182	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
9/14/2016	72182	2000	WATER	GAL	0.00	2,000.00			\$0.00	
9/14/2016	72182	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	30.00			\$989.70	
9/14/2016	72182	0928	HERBICIDE-GROUND ZERO	PNT	8.71	2.00			\$17.42	
9/14/2016	72182	0933	HERBICIDE-FOAM BUSTER	QT	5.15	0.25			\$1.29	
Road Id - 000145- BLACKWELL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
6/8/2016	72098	1130	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
6/8/2016	72098	1013	TRUCK-HERBICIDE-2000	1	42.01	0.71		\$29.83		
9/1/2016	72171	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	72171	1130	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/13/2016	72181	1130	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
9/13/2016	72181	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
Road Id - 000147- BLANTON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
7/18/2016	72131	1130	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
7/18/2016	72131	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
9/2/2016	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		
9/2/2016	72172	1130	GUTHERY THOMAS	2	22.81	0.71	\$16.20			
9/15/2016	72183	1130	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/15/2016	72183	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 000148- BLANTON ROBERTSON DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District -4										
5/12/2016	72077	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
5/13/2016	72077	0815	PICKUP	1	19.21	0.55		\$10.57		
5/12/2016	72077	1130	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
8/18/2016	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	1130	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
Road Id - 000149- BLOODWORTH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/13/2016	72106	1198	TALTON STEVEN W	2	36.45	0.38	\$10.06			
6/13/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$15.97		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000149- BLOODWORTH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
9/27/2016	72196	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
9/27/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.45		\$13.79		
Road Id - 000156- BLYTHE MCDANIEL DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/19/2016	72132	1530	GUTHERY THOMAS	1	15.66	0.38	\$3.96			
7/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
9/27/2016	72196	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/27/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road Id - 000164- BOLTON STREET										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/1/2016	72092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
9/23/2016	72191	1530	GUTHERY THOMAS	2	22.81	0.43	\$10.27			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.79		
Road Id - 000166- BONNIE PLACE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/27/2016	72114	1530	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
6/27/2016	72114	1013	TRUCK-HERBICIDE-2000	1	42.01	0.59		\$24.79		
9/26/2016	72195	1530	GUTHERY THOMAS	1	15.66	0.36	\$3.64			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road Id - 000167- DOCKER STREET										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
7/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.54			
7/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
Road Id - 000171- BOUTWELL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/16/2016	72105	1198	TALTON STEVEN W	1	18.22	0.58	\$10.37			
6/16/2016	72105	1012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
Road Id - 000173- BRADFORD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/12/2016	72077	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
5/12/2016	72077	0815	PICKUP	1	19.21	0.55		\$10.37		
5/12/2016	72077	1530	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
6/24/2016	72112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/24/2016	72112	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
8/23/2016	72162	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
8/23/2016	72162	0814	PICKUP	1	18.07	0.52		\$9.48		
8/23/2016	72162	1530	GUTHERY THOMAS	1	15.66	0.52	\$8.15			
9/16/2016	72184	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/16/2016	72184	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.04		
Road Id - 000177- BRANS CHAPEL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/16/2016	72100	1198	TALTON STEVEN W	2	26.45	0.53	\$14.02			
6/16/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.53		\$22.27		
9/8/2016	72177	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
9/8/2016	72177	1012	TRUCK-HERBICIDE	1	39.52	1.00		\$39.52		
Road Id - 000180- BRENTWOOD DRIVE										
Activity Id - 401 Herbicide Treatment										

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Project Id - 28-038-HERBICIDE PROGRAM										
Road Id - 000188- BRENTWOOD DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/7/2016	72097	1530	GUTHERY THOMAS	1	15.66	0.53	\$8.30			
6/7/2016	72097	1013	TRUCK-HERBICIDE-2000	1	42.01	0.53		\$22.27		
9/26/2016	72195	1530	GUTHERY THOMAS	1	15.66	0.36	\$5.64			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road Id - 000181- BREWER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/18/2016	72131	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
7/18/2016	72131	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
9/15/2016	72183	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/15/2016	72183	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 000186- BRICE DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/18/2016	72057	1530	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
6/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.41		\$17.23		
7/18/2016	72131	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
7/18/2016	72131	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
9/23/2016	72191	1530	GUTHERY THOMAS	2	22.81	0.45	\$10.27			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.45		\$17.79		
Road Id - 000190- BRIGHT ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/16/2016	72105	1198	TALTON STEVEN W	1	18.22	0.58	\$10.57			
6/16/2016	72105	1012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.27		
8/2/2016	72144	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
8/2/2016	72144	0814	PICKUP	1	18.07	0.50		\$9.04		
8/2/2016	72144	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
Road Id - 000191- BRISTOW COVE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/12/2016	72077	1198	TALTON STEVEN W	1	18.22	0.55	\$10.83			
5/12/2016	72077	0815	PICKUP	1	19.21	0.55		\$10.37		
5/12/2016	72077	1530	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
8/17/2016	72157	1198	TALTON STEVEN W	1	18.22	0.77	\$14.83			
8/17/2016	72157	0814	PICKUP	1	18.07	0.77		\$13.92		
8/17/2016	72157	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
Road Id - 000192- BRISTOW CREEK ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
8/18/2016	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	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
Road Id - 000196- BROKEN ARROW DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/2/2016	72093	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
6/2/2016	72093	1013	TRUCK-HERBICIDE-2000	1	42.01	1.00		\$42.01		
9/19/2016	72187	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/19/2016	72187	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
Road Id - 000198- BROTHERS DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
9/22/2016	72190	1198	TALTON STEVEN W	1	18.22	0.55	\$10.83			
9/22/2016	72190	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000199- BROTHERS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/26/2016	72063	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
4/26/2016	72063	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
7/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 000200- BROW ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/3/2016	72094	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/3/2016	72094	0814	PICKUP	1	19.21	1.00		\$19.21		
6/3/2016	72094	1530	GUTHERY THOMAS	2	22.81	1.00	\$22.81			
6/13/2016	72102	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/13/2016	72102	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
6/14/2016	72103	1198	TALTON STEVEN W	1	18.22	0.58	\$10.57			
6/14/2016	72103	1012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
9/23/2016	72190	1198	TALTON STEVEN W	1	18.22	0.53	\$10.03			
9/23/2016	72190	1012	TRUCK-HERBICIDE	1	39.52	0.53		\$21.74		
Road Id - 000201- BROW CUT-OFF ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/14/2016	72103	1198	TALTON STEVEN W	1	18.22	0.58	\$10.57			
6/14/2016	72103	1012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
9/23/2016	72190	1198	TALTON STEVEN W	1	18.22	0.53	\$10.03			
9/23/2016	72190	1012	TRUCK-HERBICIDE	1	39.52	0.53		\$21.74		
Road Id - 000205- BROWN LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/15/2016	72104	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.07		
9/23/2016	72190	1198	TALTON STEVEN W	2	26.45	0.56	\$14.82			
9/23/2016	72190	1012	TRUCK-HERBICIDE	1	39.52	0.56		\$22.14		
Road Id - 000207- BRUTON GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
5/5/2016	72071	1198	TALTON STEVEN W	1	18.22	0.83	\$15.13			
5/5/2016	72071	0814	PICKUP	1	19.21	0.83		\$15.95		
5/5/2016	72071	1530	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
6/1/2016	72092	1198	TALTON STEVEN W	1	18.22	5.00	\$91.10			
6/1/2016	72092	1012	TRUCK-HERBICIDE	1	42.01	5.00		\$210.05		
6/3/2016	72094	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/3/2016	72094	0814	PICKUP	1	19.21	1.00		\$19.21		
6/3/2016	72094	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
9/7/2016	72176	1198	TALTON STEVEN W	1	18.22	2.00	\$36.44			
9/7/2016	72176	1012	TRUCK-HERBICIDE	1	39.52	2.00		\$79.04		
Road Id - 000208- BRYANT DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/19/2016	72100	1198	TALTON STEVEN W	2	26.45	0.53	\$14.02			
6/19/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.53		\$22.27		
9/12/2016	72180	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/12/2016	72180	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 000211- BUCHANAN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
5/2/2016	72068	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
5/2/2016	72068	0814	PICKUP	1	19.21	1.00		\$19.21		

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Project Id - 28-908-HERBICIDE PROGRAM										
Road Id - 000211- BUCHANAN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
5/2/2016	72068	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
6/28/2016	72115	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	72115	1530	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
8/31/2016	72169	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
8/31/2016	72169	0814	PICKUP	1	18.07	0.55			\$9.94	
8/31/2016	72169	1530	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
Road Id - 000214- BUD UMPHREY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/12/2016	72077	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
5/12/2016	72077	0815	PICKUP	1	19.21	0.55			\$10.77	
5/12/2016	72077	1530	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
Road Id - 000217- BUFFINGTON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
5/11/2016	72076	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
5/11/2016	72076	0814	PICKUP	1	19.21	0.50			\$9.61	
5/11/2016	72076	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
6/22/2016	72110	1198	TALTON STEVEN W	1	18.22	0.91	\$16.59			
6/22/2016	72110	1012	TRUCK-HERBICIDE	1	42.01	0.91			\$18.23	
6/23/2016	72111	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/23/2016	72111	1012	TRUCK-HERBICIDE	1	42.01	0.50			\$21.01	
8/17/2016	72157	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/17/2016	72157	0814	PICKUP	1	18.07	0.77			\$13.92	
8/17/2016	72157	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/21/2016	72189	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/21/2016	72189	1012	TRUCK-HERBICIDE	1	39.52	0.66			\$26.09	
Road Id - 000218- BULL HOLLOW ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/25/2016	72062	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
4/25/2016	72062	1012	TRUCK-HERBICIDE	1	42.01	0.45			\$18.91	
Road Id - 000222- BURGESS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/19/2016	72058	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72058	1012	TRUCK-HERBICIDE	1	42.01	0.52			\$21.85	
3/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
3/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37			\$14.63	
3/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.56			
3/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36			\$14.23	
Road Id - 000226- BURTON CUT-OFF										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/16/2016	72080	1198	TALTON STEVEN W	1	18.22	0.83	\$15.13			
5/16/2016	72080	0814	PICKUP	1	19.21	0.83			\$15.95	
5/16/2016	72080	1530	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
6/30/2016	72123	1198	TALTON STEVEN W	1	18.22	0.70	\$12.76			
6/30/2016	72123	1012	TRUCK-HERBICIDE	1	42.01	0.70			\$29.41	
8/18/2016	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	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/13/2016	72185	1198	TALTON STEVEN W	2	26.43	1.00	\$26.43			
9/13/2016	72185	1012	TRUCK-HERBICIDE	1	39.52	1.00			\$39.52	

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Project ID - 26-018-HERBICIDE PROGRAM										
Road ID - 000227- BURTON LOOP ROAD										
Activity ID - 400 Herbicide Treatment										
Road District -4										
5/16/2016		72080	1198 TALTON STEVEN W	1	18.22	0.83	\$15.13			
5/16/2016		72080	0814 PICKUP	1	19.21	0.83		\$15.95		
5/16/2016		72080	1530 GUTHRY THOMAS	1	15.66	0.83	\$13.00			
6/30/2016		72123	1198 TALTON STEVEN W	1	18.22	0.70	\$12.76			
6/30/2016		72123	1012 TRUCK-HERBICIDE	1	42.01	0.70		\$29.41		
8/18/2016		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	1530 GUTHRY THOMAS	1	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	1012 TRUCK-HERBICIDE	1	39.52	1.00		\$39.52		
Road ID - 000228- BUS BARN ROAD										
Activity ID - 401 Herbicide Treatment										
Road District -2										
9/26/2016		72195	1530 GUTHRY THOMAS	1	15.66	0.36	\$5.64			
9/26/2016		72195	1013 TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road ID - 000230- BUSTER WILLET ROAD										
Activity ID - 401 Herbicide Treatment										
Road District -3										
6/10/2016		72100	1198 TALTON STEVEN W	2	26.45	0.46	\$12.17			
6/10/2016		72100	1012 TRUCK-HERBICIDE	1	42.01	0.46		\$19.33		
6/10/2016		72100	0910 HERBICIDE-MSMA (TARGET GALLON		21.46	13.00			\$321.90	
6/10/2016		72100	0916 HERBICIDE-DURON 4L GALLON		18.00	13.00			\$270.00	
6/10/2016		72100	0928 HERBICIDE-GROUND ZERO PNT		8.71	1.00			\$8.71	
6/10/2016		72100	2000 WATER GAL		0.00	2,000.00			\$0.00	
9/8/2016		72177	1198 TALTON STEVEN W	1	18.22	1.00	\$18.22			
9/8/2016		72177	1012 TRUCK-HERBICIDE	1	39.52	1.00		\$39.52		
9/12/2016		72180	1198 TALTON STEVEN W	1	18.22	0.77	\$14.03			
9/12/2016		72180	1012 TRUCK-HERBICIDE	1	39.52	0.77		\$30.44		
9/12/2016		72180	0921 HERBICIDE-GARLON 3-A GALLON		32.99	13.00			\$404.85	
9/12/2016		72180	2000 WATER GAL		0.00	1,000.00			\$0.00	
Road ID - 000231- BUTLER ROAD										
Activity ID - 401 Herbicide Treatment										
Road District -3										
4/18/2016		72057	1198 TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/18/2016		72057	1012 TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
6/17/2016		72106	1198 TALTON STEVEN W	2	26.45	0.38	\$10.06			
6/17/2016		72106	1012 TRUCK-HERBICIDE	1	42.01	0.38		\$15.97		
9/27/2016		72196	1198 TALTON STEVEN W	1	18.22	0.45	\$8.20			
9/27/2016		72196	1012 TRUCK-HERBICIDE	1	39.52	0.45		\$17.79		
Road ID - 000232- BUZZARD ROCK ROAD										
Activity ID - 401 Herbicide Treatment										
Road District -4										
5/16/2016		72080	1198 TALTON STEVEN W	1	18.22	0.83	\$15.13			
5/16/2016		72080	0814 PICKUP	1	19.21	0.83		\$15.95		
5/16/2016		72080	1530 GUTHRY THOMAS	1	15.66	0.83	\$13.00			
6/29/2016		72116	1198 TALTON STEVEN W	1	18.22	0.59	\$10.75			
6/29/2016		72116	1012 TRUCK-HERBICIDE	1	42.01	0.59		\$24.79		
8/22/2016		72161	1198 TALTON STEVEN W	1	18.22	1.00	\$18.22			
8/22/2016		72161	0814 PICKUP	1	18.07	1.00		\$18.07		
8/22/2016		72161	1530 GUTHRY THOMAS	1	15.66	1.00	\$15.66			
Road ID - 000244- CAMPBELL GAP ROAD										
Activity ID - 401 Herbicide Treatment										
Road District -2										
5/5/2016		72071	1198 TALTON STEVEN W	1	18.22	0.83	\$15.13			
5/5/2016		72071	0814 PICKUP	1	19.21	0.83		\$15.95		

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Date	DI Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000244- CAMPBELL GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
5/5/2016	72071	1330	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
7/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.56			
7/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
8/1/2016	72143	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
8/1/2016	72143	0814	PICKUP	1	18.07	1.00		\$18.07		
8/1/2016	72143	1330	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
9/6/2016	72173	1198	TALTON STEVEN W	1	18.22	2.00	\$36.44			
9/6/2016	72173	0814	PICKUP	1	18.07	2.00		\$36.14		
9/6/2016	72173	1330	GUTHERY THOMAS	1	15.66	2.00	\$31.32			
9/7/2016	72176	1198	TALTON STEVEN W	1	18.22	2.00	\$36.44			
9/7/2016	72176	1012	TRUCK-HERBICIDE	1	39.52	2.00		\$79.04		
9/20/2016	72188	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
9/20/2016	72188	0814	PICKUP	1	18.07	1.50		\$27.11		
9/20/2016	72188	1330	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
Road Id - 000245- CAMPNIRE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/25/2016	72137	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
7/25/2016	72137	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 000246- CANNON GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/4/2016	72046	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
4/4/2016	72046	1013	TRUCK-HERBICIDE-2000	1	42.01	0.77		\$32.35		
4/4/2016	72046	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
4/4/2016	72046	1013	TRUCK-HERBICIDE-2000	1	42.01	0.77		\$32.35		
10/1/2016	72134	1330	GUTHERY THOMAS	1	15.66	0.90	\$14.10			
10/1/2016	72134	1013	TRUCK-HERBICIDE-2000	1	39.52	0.90		\$35.57		
9/2/2016	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		
9/2/2016	72172	1330	GUTHERY THOMAS	2	22.81	0.71	\$16.20			
9/28/2016	72197	1330	GUTHERY THOMAS	1	15.66	2.00	\$31.32			
9/28/2016	72197	1013	TRUCK-HERBICIDE-2000	1	39.52	2.00		\$79.04		
Road Id - 000250- CARLISLE CUTOFF										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/21/2016	72109	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/21/2016	72109	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
9/26/2016	72195	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/26/2016	72195	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road Id - 000252- CARNES CHAPEL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/12/2016	72077	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
5/12/2016	72077	0815	PICKUP	1	19.21	0.55		\$10.37		
5/13/2016	72077	1330	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
7/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
8/1/2016	72143	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
8/1/2016	72143	0814	PICKUP	1	18.07	1.00		\$18.07		
8/1/2016	72143	1330	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
Road Id - 000254- CAROL LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.56			

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000254- CAROL LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
Road Id - 000256- CAROLYN COURT										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/19/2016	72152	1330	GUTHERY THOMAS	1	15.66	0.38	\$5.96			
7/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
9/21/2016	72196	1330	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/21/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road Id - 000265- CASH RD.										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/13/2016	72103	1198	TALTON STEVEN W	1	18.22	0.55	\$10.05			
6/13/2016	72103	1012	TRUCK-HERBICIDE	1	42.00	0.55		\$23.11		
9/22/2016	72199	1198	TALTON STEVEN W	1	18.22	0.55	\$10.05			
9/22/2016	72199	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road Id - 000267- CATES ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/1/2016	72092	1330	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.00	0.29		\$12.19		
9/23/2016	72191	1330	GUTHERY THOMAS	2	22.80	0.45	\$10.27			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.45		\$17.79		
Road Id - 000268- CAUSEY LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
3/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
3/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 000280- CENTER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/19/2016	72058	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72058	1012	TRUCK-HERBICIDE	1	42.00	0.52		\$21.85		
3/26/2016	72138	1198	TALTON STEVEN W	1	18.22	0.91	\$16.59			
3/26/2016	72138	1012	TRUCK-HERBICIDE	1	39.52	0.91		\$35.97		
8/23/2016	72162	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
8/23/2016	72162	0814	PICKUP	1	18.07	0.52		\$9.40		
8/23/2016	72162	1330	GUTHERY THOMAS	1	15.66	0.52	\$8.15			
Road Id - 000281- CHAMPION DR.										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/18/2016	72057	1330	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.00	0.41		\$17.23		
Road Id - 000283- CHARADA LAKE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/19/2016	72058	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72058	1012	TRUCK-HERBICIDE	1	42.00	0.52		\$21.85		
3/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.56			
3/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
8/24/2016	72163	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/24/2016	72163	0814	PICKUP	1	18.07	0.67		\$12.11		
8/24/2016	72163	1330	GUTHERY THOMAS	1	15.66	0.67	\$10.50			
Road Id - 000284- CHAHLEY STREET										
Activity Id - 401 Herbicide Treatment										
Road District - 2										

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Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 000284- CHARLEY STREET										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/7/2016	72097	1530	GUTHERY THOMAS	1	15.66	0.53	\$8.30			
6/7/2016	72097	1013	TRUCK-HERBICIDE-2000	1	42.01	0.53		\$22.27		
9/26/2016	72195	1530	GUTHERY THOMAS	1	15.66	0.38	\$5.64			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road Id - 000287- CHEROKEE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 6										
4/20/2016	72059	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
4/20/2016	72059	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
Road Id - 000292- CHESTER TODD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/27/2016	72114	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/27/2016	72114	1012	TRUCK-HERBICIDE	1	42.01	1.00		\$42.01		
8/23/2016	72162	1198	TALTON STEVEN W	1	18.22	0.64	\$11.67			
8/23/2016	72162	0814	PICKUP	1	18.07	0.64		\$11.57		
8/23/2016	72162	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	1.50			\$49.49	
8/23/2016	72162	0910	HERBICIDE-MSMA (TARGET	GALLON	21.46	1.50			\$32.19	
8/23/2016	72162	2000	WATER	GAL	0.00	75.00			\$0.00	
8/23/2016	72162	1530	GUTHERY THOMAS	1	15.66	0.64	\$10.03			
9/19/2016	72187	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/19/2016	72187	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 000293- CHESTNUT STREET NORTH										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/15/2016	72104	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.07		
Road Id - 000296- CHRISLYN DR.										
Activity Id - 401 Herbicide Treatment										
Road District - 6										
4/20/2016	72059	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
4/20/2016	72059	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
Road Id - 000297- CHRISTIAN WAY										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
4/18/2016	72057	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/18/2016	72057	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
9/27/2016	72196	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
9/27/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.45		\$17.79		
Road Id - 000300- CHUNLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/13/2016	72102	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/13/2016	72102	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
9/23/2016	72191	1198	TALTON STEVEN W	2	26.45	0.56	\$14.82			
9/23/2016	72191	1012	TRUCK-HERBICIDE	1	39.52	0.56		\$23.14		
Road Id - 000301- CHURCH CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 6										
4/20/2016	72059	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
4/20/2016	72059	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
Road Id - 000305- CLANTON STREET SW										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/25/2016	72062	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000109- CLANTON STREET SW										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/25/2016	72962	1012	TRUCK-HERBICIDE	1	42.01	0.45		\$18.91		
7/26/2016	72138	1198	TALTON STEVEN W	1	18.22	0.90	\$16.40			
7/26/2016	72138	1012	TRUCK-HERBICIDE	1	39.52	0.90		\$35.57		
7/26/2016	72138	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	7.50			\$160.95	
7/26/2016	72138	0916	HERBICIDE-DRIFON 4L GALLON		18.00	7.50			\$135.00	
7/26/2016	72138	0928	HERBICIDE-GROUND ZERO PNT		8.71	1.00			\$8.71	
7/26/2016	72138	2000	WATER		0.00	1,000.00			\$0.00	
8/23/2016	72162	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
8/23/2016	72162	0814	PICKUP	1	18.07	0.52		\$9.40		
8/23/2016	72162	1130	GUTHRY THOMAS	1	15.66	0.52	\$8.15			
Road Id - 000117- CLOUD LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/18/2016	72100	1198	TALTON STEVEN W	2	26.45	0.53	\$14.02			
6/18/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.53		\$22.27		
9/12/2016	72180	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/12/2016	72180	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 000321- COALBED HOLLOW RD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/7/2016	72097	1130	GUTHRY THOMAS	1	15.66	0.53	\$8.30			
6/7/2016	72097	1012	TRUCK-HERBICIDE-2000	1	42.01	0.53		\$22.27		
9/14/2016	72182	1130	GUTHRY THOMAS	1	15.66	0.71	\$11.12			
9/14/2016	72182	1012	TRUCK-HERBICIDE-2000	1	39.52	0.71		\$28.06		
Road Id - 000322- COATS BEND CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
5/4/2016	72070	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
5/4/2016	72070	0814	PICKUP	1	19.21	1.00		\$19.21		
5/4/2016	72070	1130	GUTHRY THOMAS	1	15.66	1.00	\$15.66			
6/27/2016	72114	1130	GUTHRY THOMAS	1	15.66	0.59	\$9.24			
6/27/2016	72114	1012	TRUCK-HERBICIDE-2000	1	42.01	0.59		\$24.79		
9/26/2016	72195	1130	GUTHRY THOMAS	1	15.66	0.36	\$5.64			
9/26/2016	72195	1012	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
9/27/2016	72196	1130	GUTHRY THOMAS	1	15.66	0.43	\$6.74			
9/27/2016	72196	1012	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road Id - 000325- COATS BEND ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
5/4/2016	72070	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
5/4/2016	72070	0814	PICKUP	1	19.21	1.00		\$19.21		
5/4/2016	72070	1130	GUTHRY THOMAS	1	15.66	1.00	\$15.66			
6/27/2016	72114	1130	GUTHRY THOMAS	1	15.66	0.56	\$8.77			
6/27/2016	72114	1012	TRUCK-HERBICIDE-2000	1	42.01	0.56		\$23.53		
6/27/2016	72114	2000	WATER		0.00	1,000.00			\$0.00	
6/27/2016	72114	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	7.50			\$160.95	
6/27/2016	72114	0916	HERBICIDE-DRIFON 4L GALLON		18.00	7.50			\$135.00	
6/27/2016	72114	0928	HERBICIDE-GROUND ZERO PNT		8.71	1.00			\$8.71	
8/9/2016	72143	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
8/9/2016	72143	0814	PICKUP	1	18.07	1.00		\$18.07		
8/9/2016	72143	0921	HERBICIDE-CARLON 3-A GALLON		56.48	1.00			\$56.48	
8/9/2016	72143	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	1.00			\$21.46	
8/9/2016	72143	2000	WATER		0.00	10.00			\$0.00	
8/9/2016	72143	1130	GUTHRY THOMAS	1	15.66	1.00	\$15.66			
9/26/2016	72195	1130	GUTHRY THOMAS	1	15.66	0.36	\$5.64			

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Project Id - 28-008-HERBICIDE PROGRAM										
Road Id - 00023- COATS BEND ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
9/26/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
9/27/2016	72196	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/27/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road Id - 00027- COFFEY SPRINGS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
7/25/2016	72137	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
7/25/2016	72137	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 00028- COIN LANE										
Activity Id - 401 Herbicide Treatment										
Road District -4										
6/24/2016	72112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/24/2016	72112	1013	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
Road Id - 00030- COLEY LANE										
Activity Id - 401 Herbicide Treatment										
Road District -1										
4/20/2016	72059	1530	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/20/2016	72059	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
7/26/2016	72138	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
7/26/2016	72138	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
8/25/2016	72164	1198	TALTON STEVEN W	1	18.22	0.77	\$14.83			
8/25/2016	72164	0814	PICKUP	1	18.07	0.77		\$13.92		
8/25/2016	72164	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/28/2016	72188	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
9/28/2016	72188	0814	PICKUP	1	18.07	1.00		\$18.07		
9/28/2016	72188	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
Road Id - 00031- COLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -1										
4/20/2016	72059	1530	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/20/2016	72059	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
7/26/2016	72138	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
7/26/2016	72138	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
Road Id - 00032- COLLEGE PARKWAY										
Activity Id - 401 Herbicide Treatment										
Road District -4										
4/20/2016	72059	1530	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/20/2016	72059	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
5/26/2016	72089	1198	TALTON STEVEN W	1	18.22	2.50	\$45.55			
5/26/2016	72089	0814	PICKUP	1	19.21	2.50		\$48.03		
5/26/2016	72089	1530	GUTHERY THOMAS	1	15.66	2.50	\$39.15			
7/26/2016	72138	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
7/26/2016	72138	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
7/28/2016	72140	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
7/28/2016	72140	0814	PICKUP	1	18.07	1.00		\$18.07		
7/28/2016	72140	0901	ARSENAL 1-GALLON	EACH	0.00	1.00			\$0.00	
7/28/2016	72140	0912	HERBICIDE-ROUNDUPGLY	GALLON	14.49	0.50			\$7.25	
7/28/2016	72140	2000	WATER	GAL	0.00	30.00			\$0.00	
7/28/2016	72140	0910	HERBICIDE-MSMA (TARGET	GALLON	21.46	1.00			\$21.46	
7/28/2016	72140	0921	HERBICIDE-CARLON 3-A	GALLON	32.99	0.50			\$16.50	
7/28/2016	72140	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
Road Id - 00039- COLVIN GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -1										
4/8/2016	72046	1530	GUTHERY THOMAS	1	15.66	0.76	\$11.91			

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Project ID - 28-008-HERBICIDE PROGRAM										
Road ID - 000339- COLVEN GAP ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 1										
4/4/2016	72046	1013	TRUCK-HERBICIDE-2000	I	42.01	0.76		\$31.93		
4/4/2016	72046	2000	WATER	GAL	0.00	1,000.00			\$0.00	
4/4/2016	72046	0911	HERBICIDE-2,4 D AMINE	GALLON	14.13	11.25			\$158.97	
4/4/2016	72046	0936	HERBICIDE-SULFOMET	LB	28.05	0.94			\$26.30	
4/4/2016	72046	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
5/3/2016	72069	1198	TALTON STEVEN W	I	18.22	0.76	\$13.85			
5/3/2016	72069	0814	PICKUP	I	19.21	0.76		\$14.60		
5/3/2016	72069	1530	GUTHERY THOMAS	I	15.66	0.76	\$11.91			
7/21/2016	72134	1530	GUTHERY THOMAS	I	15.66	1.00	\$15.66			
7/21/2016	72134	1013	TRUCK-HERBICIDE-2000	I	39.52	1.00		\$39.52		
7/21/2016	72134	2000	WATER	GAL	0.00	2,000.00			\$0.00	
7/21/2016	72134	0910	HERBICIDE-MESMA (TARGET	GALLON	21.46	15.00			\$321.90	
7/21/2016	72134	0916	HERBICIDE-DURON 4L	GALLON	18.00	15.00			\$270.00	
7/21/2016	72134	0928	HERBICIDE-GROUND ZERO	PNT	8.71	2.00			\$17.42	
7/21/2016	72134	0933	HERBICIDE-FOAM BUSTER	QT	11.30	0.25			\$2.83	
8/25/2016	72164	1198	TALTON STEVEN W	I	18.22	0.77	\$14.03			
8/25/2016	72164	0814	PICKUP	I	18.07	0.77		\$13.92		
8/25/2016	72164	1530	GUTHERY THOMAS	I	15.66	0.77	\$12.06			
Road ID - 000341- CONSERVATION LAKE ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 4										
4/26/2016	72063	1198	TALTON STEVEN W	I	18.22	0.50	\$8.11			
4/26/2016	72063	1012	TRUCK-HERBICIDE	I	42.00	0.50		\$21.00		
7/18/2016	72131	1198	TALTON STEVEN W	I	18.22	0.37	\$6.75			
7/18/2016	72131	1012	TRUCK-HERBICIDE	I	39.52	0.37		\$14.63		
Road ID - 000342- COOSA DRIVE										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
6/28/2016	72115	1198	TALTON STEVEN W	I	18.22	0.59	\$10.75			
6/28/2016	72115	0814	PICKUP	I	19.21	0.59		\$11.34		
6/28/2016	72115	1530	GUTHERY THOMAS	I	15.66	0.59	\$9.24			
9/19/2016	72187	1530	GUTHERY THOMAS	I	15.66	0.66	\$10.34			
9/19/2016	72187	1013	TRUCK-HERBICIDE-2000	I	39.52	0.66		\$26.09		
Road ID - 000345- COPELAND GAP CHURCH RD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
6/16/2016	72105	1198	TALTON STEVEN W	I	18.22	0.58	\$10.57			
6/16/2016	72105	1012	TRUCK-HERBICIDE	I	42.00	0.58		\$24.37		
Road ID - 000346- CORLEY ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
6/9/2016	72098	1530	GUTHERY THOMAS	I	15.66	0.71	\$11.12			
6/9/2016	72098	1013	TRUCK-HERBICIDE-2000	I	42.00	0.71		\$29.83		
9/1/2016	72171	1198	TALTON STEVEN W	I	18.22	0.43	\$7.84			
9/1/2016	72171	0814	PICKUP	I	18.07	0.43		\$7.78		
9/1/2016	72171	1530	GUTHERY THOMAS	I	15.66	0.43	\$6.74			
9/13/2016	72181	1530	GUTHERY THOMAS	I	15.66	0.59	\$9.24			
9/13/2016	72181	1013	TRUCK-HERBICIDE-2000	I	39.52	0.59		\$23.32		
Road ID - 000347- CORNELIA CIRCLE										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
6/27/2016	72114	1530	GUTHERY THOMAS	I	15.66	0.59	\$9.24			
6/27/2016	72114	1013	TRUCK-HERBICIDE-2000	I	42.00	0.59		\$24.79		
9/26/2016	72195	1530	GUTHERY THOMAS	I	15.66	0.36	\$5.64			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	I	39.52	0.36		\$14.23		

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000358 - COUNTRY CREEK ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/25/2016	72062	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
4/25/2016	72062	1012	TRUCK-HERBICIDE	1	42.01	0.45		\$18.91		
6/30/2016	72123	1198	TALTON STEVEN W	1	18.22	0.30	\$12.76			
6/30/2016	72123	1012	TRUCK-HERBICIDE	1	42.01	0.30		\$29.41		
Road Id - 000359 - COUNTRY HILLS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/25/2016	72062	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
4/25/2016	72062	1012	TRUCK-HERBICIDE	1	42.01	0.45		\$18.91		
7/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 000363 - COUNTY LINE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/13/2016	72102	1198	TALTON STEVEN W	1	18.22	0.55	\$10.83			
6/13/2016	72102	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
9/23/2016	72191	1198	TALTON STEVEN W	2	26.45	0.56	\$14.82			
9/23/2016	72191	1012	TRUCK-HERBICIDE	1	39.52	0.56		\$22.14		
Road Id - 000370 - COVE SPRINGS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/13/2016	72077	1198	TALTON STEVEN W	1	18.22	0.55	\$10.83			
5/13/2016	72077	0815	PICKUP	1	19.21	0.55		\$10.57		
5/13/2016	72077	1330	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
6/21/2016	72114	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/21/2016	72114	1012	TRUCK-HERBICIDE	1	42.01	1.00		\$42.01		
8/23/2016	72162	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
8/23/2016	72162	0814	PICKUP	1	18.07	0.52		\$9.40		
8/23/2016	72162	1330	GUTHERY THOMAS	1	15.66	0.52	\$8.15			
9/19/2016	72187	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/19/2016	72187	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 000375 - COX GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
5/19/2016	72075	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
5/19/2016	72075	0814	PICKUP	1	19.21	1.50		\$28.82		
5/19/2016	72075	1330	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
6/2/2016	72093	1198	TALTON STEVEN W	1	18.22	2.50	\$45.55			
6/2/2016	72093	1012	TRUCK-HERBICIDE	1	42.01	2.50		\$105.03		
6/15/2016	72104	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.07		
8/1/2016	72143	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
8/1/2016	72143	0814	PICKUP	1	18.07	1.00		\$18.07		
8/1/2016	72143	1330	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
8/2/2016	72144	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
8/2/2016	72144	0814	PICKUP	1	18.07	0.50		\$9.04		
8/2/2016	72144	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/8/2016	72177	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
9/8/2016	72177	1012	TRUCK-HERBICIDE	1	39.52	1.00		\$39.52		
Road Id - 000377 - CRANE CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
4/19/2016	72058	1330	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/19/2016	72058	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
7/22/2016	72115	1330	GUTHERY THOMAS	2	22.81	0.79	\$13.46			

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000774- CRANE CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/25/2016	72135	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
Road Id - 000778- CRANSTON DR										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/19/2016	72132	1530	GUTHERY THOMAS	1	15.66	0.38	\$5.96			
7/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.82		
Road Id - 000390- CREEKSIDE DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/25/2016	72137	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
7/25/2016	72137	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 000389- CROFT FERRY ROAD EAST										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
5/4/2016	72070	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
5/4/2016	72079	0804	PICKUP	1	19.21	1.00		\$19.21		
5/4/2016	72070	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
7/25/2016	72137	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
7/25/2016	72137	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 000390- CROFT FERRY ROAD WEST										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/28/2016	72115	1198	TALTON STEVEN W	1	18.22	0.59	\$10.75			
6/28/2016	72115	0804	PICKUP	1	19.21	0.59		\$11.34		
6/28/2016	72115	1530	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
9/19/2016	72187	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/19/2016	72187	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
Road Id - 000391- CROSBY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/29/2016	72116	1198	TALTON STEVEN W	1	18.22	0.59	\$10.75			
6/29/2016	72116	1012	TRUCK-HERBICIDE	1	42.01	0.59		\$24.79		
8/23/2016	72161	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
8/23/2016	72161	0804	PICKUP	1	18.07	1.00		\$18.07		
8/23/2016	72161	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
Road Id - 000392- CROSLY LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/13/2016	72102	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/13/2016	72102	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
9/23/2016	72191	1198	TALTON STEVEN W	2	26.45	0.56	\$14.82			
9/23/2016	72191	1012	TRUCK-HERBICIDE	1	39.52	0.56		\$22.14		
Road Id - 000395- CROSSON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/27/2016	72114	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/27/2016	72114	1012	TRUCK-HERBICIDE	1	42.01	1.00		\$42.01		
8/23/2016	72162	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
8/23/2016	72162	0804	PICKUP	1	18.07	0.52		\$9.48		
8/23/2016	72162	1530	GUTHERY THOMAS	1	15.66	0.52	\$8.15			
9/19/2016	72187	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/19/2016	72187	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 000396- CRUDUP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										

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Project Id - 28-018-16HERBICIDE PROGRAM										
Road Id - 000396- CRUMP ROAD										
Activity Id 401 Herbicide Treatment										
Road District -3										
7/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.50			
7/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
Road Id - 000398- CRUMP ROAD										
Activity Id 401 Herbicide Treatment										
Road District -2										
7/25/2016	72137	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
7/25/2016	72137	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 000412- DAY CIRCLE										
Activity Id 401 Herbicide Treatment										
Road District -1										
7/25/2016	72137	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
7/25/2016	72137	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 000420- DECKER ROAD										
Activity Id 401 Herbicide Treatment										
Road District -3										
9/28/2016	72197	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/28/2016	72197	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road Id - 000421- DEE HICKS ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
5/12/2016	72077	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
5/12/2016	72077	0815	PICKUP	1	19.21	0.55		\$10.57		
5/12/2016	72077	1330	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
Road Id - 000422- DEE NIX ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
5/16/2016	72080	1198	TALTON STEVEN W	1	18.22	0.83	\$15.13			
5/16/2016	72080	0814	PICKUP	1	19.21	0.83		\$15.95		
5/16/2016	72080	1330	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
6/29/2016	72116	1198	TALTON STEVEN W	1	18.22	0.59	\$10.75			
6/29/2016	72116	1012	TRUCK-HERBICIDE	1	42.01	0.59		\$24.79		
8/23/2016	72161	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
8/23/2016	72161	0814	PICKUP	1	18.07	1.00		\$18.07		
8/23/2016	72161	0971	HERBICIDE-GARLON 3-A	GALLON	32.99	1.00			\$32.99	
8/23/2016	72161	0910	HERBICIDE-MISMA (TARGET	GALLON	21.46	1.00			\$21.46	
8/23/2016	72161	2000	WATER	GAL.	0.00	30.00			\$0.00	
8/23/2016	72161	1330	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
Road Id - 000426- DELLEE AVENUE										
Activity Id 401 Herbicide Treatment										
Road District -1										
8/24/2016	72163	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/24/2016	72163	0814	PICKUP	1	18.07	0.67		\$12.11		
8/24/2016	72163	1330	GUTHERY THOMAS	1	15.66	0.67	\$10.50			
Road Id - 000427- DELMONT CIRCLE										
Activity Id 401 Herbicide Treatment										
Road District -2										
4/21/2016	72060	1330	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
4/21/2016	72060	1013	TRUCK-HERBICIDE-2000	1	42.01	0.66		\$27.73		
9/1/2016	72173	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
9/1/2016	72173	0814	PICKUP	1	18.07	0.43		\$7.78		
9/1/2016	72173	1330	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/15/2016	72183	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/15/2016	72183	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 000428- DELMONT DRIVE										
Activity Id 401 Herbicide Treatment										

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000428- DELAUNT DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/21/2016	72060	1530	GUTHRY THOMAS	1	15.66	0.66	\$10.34			
4/21/2016	72060	1012	TRUCK-HERBICIDE-2000	1	42.01	0.66		\$27.73		
5/2/2016	72172	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
5/2/2016	72172	0814	PICKUP	1	18.07	0.71		\$12.83		
5/2/2016	72172	1530	GUTHRY THOMAS	2	22.81	0.71	\$16.20			
Road Id - 000430- DENNEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
4/18/2016	72057	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/18/2016	72057	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
4/17/2016	72106	1198	TALTON STEVEN W	2	26.45	0.38	\$10.06			
4/17/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$15.97		
5/27/2016	72196	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
5/27/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.45		\$17.79		
Road Id - 000437- DOBBINS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/27/2016	72114	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
4/27/2016	72114	1012	TRUCK-HERBICIDE	1	42.01	1.00		\$42.01		
5/19/2016	72187	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
5/19/2016	72187	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 000438- DOC GASKIN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/3/2016	72094	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/3/2016	72094	0814	PICKUP	1	19.21	1.00		\$19.21		
6/3/2016	72094	1530	GUTHRY THOMAS	2	22.81	1.00	\$22.81			
4/14/2016	72105	1198	TALTON STEVEN W	1	18.22	0.58	\$10.37			
4/14/2016	72105	1012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
5/22/2016	72190	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
5/22/2016	72190	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road Id - 000440- DOGWOOD DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/26/2016	72063	1198	TALTON STEVEN W	1	18.22	0.58	\$9.11			
4/26/2016	72063	1012	TRUCK-HERBICIDE	1	42.01	0.58		\$21.01		
3/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
3/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 000445- DOGWOOD TRAIL										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/15/2016	72104	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.07		
Road Id - 000452- DOUBLE A CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
4/17/2016	72106	1198	TALTON STEVEN W	2	26.45	0.38	\$10.06			
4/17/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$15.97		
Road Id - 000455- DR. JENKINS LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/12/2016	72077	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
5/12/2016	72077	0814	PICKUP	1	19.21	0.55		\$10.57		
5/12/2016	72077	1530	GUTHRY THOMAS	1	15.66	0.55	\$8.62			
6/24/2016	72112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			

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Date	DU Id	ID	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 18-018-HERBICIDE PROGRAM										
Road Id - 000455- DR. JENKINS LANE										
Activity Id - 401 Herbicide Treatment										
Road District -4										
6/24/2016	72112	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
8/18/2016	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	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/16/2016	72184	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/16/2016	72184	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 000456- DRY CREEK LANE										
Activity Id - 401 Herbicide Treatment										
Road District -2										
6/24/2016	72112	1530	GUTHERY THOMAS	2	22.81	0.52	\$11.87			
6/24/2016	72112	1012	TRUCK-HERBICIDE-2000	1	42.01	0.52		\$21.85		
Road Id - 000457- DUCK SPRINGS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
5/10/2016	72075	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
5/10/2016	72075	0814	PICKUP	1	19.21	1.50		\$28.82		
5/10/2016	72075	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	1.00			\$32.99	
5/10/2016	72075	0911	HERBICIDE-2,4 D AMINE	GALLON	14.13	1.00			\$14.13	
5/10/2016	72075	2000	WATER	GAL	0.00	30.00			\$0.00	
5/10/2016	72075	1530	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
6/1/2016	72092	1198	TALTON STEVEN W	1	23.76	3.00	\$118.80			
6/1/2016	72092	1012	TRUCK-HERBICIDE	1	42.01	3.00		\$210.03		
6/1/2016	72092	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	7.50			\$160.95	
6/1/2016	72092	0916	HERBICIDE-DURON 4L	GALLON	18.00	7.50			\$135.00	
6/1/2016	72092	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
6/1/2016	72092	2000	WATER	GAL	0.00	1,000.00			\$0.00	
6/2/2016	72093	1198	TALTON STEVEN W	1	18.22	2.50	\$45.55			
6/2/2016	72093	1012	TRUCK-HERBICIDE	1	42.01	2.50		\$105.03		
6/2/2016	72093	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	7.50			\$160.95	
6/2/2016	72093	0916	HERBICIDE-DURON 4L	GALLON	18.00	7.50			\$135.00	
6/2/2016	72093	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
6/2/2016	72093	2000	WATER	GAL	0.00	2,000.00			\$0.00	
6/3/2016	72094	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/3/2016	72094	0814	PICKUP	1	19.21	1.00		\$19.21		
6/3/2016	72094	1530	GUTHERY THOMAS	2	22.81	1.00	\$22.81			
8/1/2016	72143	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
8/1/2016	72143	0814	PICKUP	1	18.07	1.00		\$18.07		
8/1/2016	72143	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
9/6/2016	72175	1198	TALTON STEVEN W	1	18.22	2.00	\$36.44			
9/6/2016	72175	0814	PICKUP	1	18.07	2.00		\$36.14		
9/6/2016	72175	1530	GUTHERY THOMAS	1	15.66	2.00	\$31.32			
9/7/2016	72176	1198	TALTON STEVEN W	1	18.22	2.00	\$36.44			
9/7/2016	72176	1012	TRUCK-HERBICIDE	1	39.52	2.00		\$79.04		
9/7/2016	72176	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	30.00			\$989.70	
9/7/2016	72176	2000	WATER	GAL	0.00	2,000.00			\$0.00	
9/8/2016	72177	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
9/8/2016	72177	1012	TRUCK-HERBICIDE	1	39.52	1.00		\$39.52		
9/22/2016	72190	1198	TALTON STEVEN W	1	18.22	0.65	\$11.85			
9/22/2016	72190	1012	TRUCK-HERBICIDE	1	39.52	0.65		\$25.69		
9/22/2016	72190	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	13.00			\$694.85	
9/22/2016	72190	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
9/22/2016	72190	2000	WATER	GAL	0.00	1,000.00			\$0.00	
Road Id - 000460- DURHAM ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										

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Project Id - 28-008-HERBICIDE PROGRAM										
Road Id - 000460 - DURHAM ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/29/2016	72106	1198	TALTON STEVEN W	1	18.22	0.59	\$10.75			
6/29/2016	72116	1012	TRUCK-HERBICIDE	1	42.01	0.59		\$24.79		
Road Id - 000473 - EDWARDS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/24/2016	72112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/24/2016	72112	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
9/16/2016	72184	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/16/2016	72184	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 000475 - EGYPT MOUNTAIN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
5/11/2016	72076	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
5/11/2016	72076	0814	PICKUP	1	19.21	0.50		\$9.61		
5/11/2016	72076	1130	GUTHRIEY THOMAS	1	15.66	0.50	\$7.83			
6/21/2016	72109	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/21/2016	72109	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
8/10/2016	72151	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
8/10/2016	72151	0814	PICKUP	1	18.07	0.66		\$11.93		
8/10/2016	72151	1130	GUTHRIEY THOMAS	1	15.66	0.66	\$10.34			
9/28/2016	72197	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/28/2016	72197	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road Id - 000476 - EGYPT ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
5/11/2016	72076	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
5/11/2016	72076	0814	PICKUP	1	19.21	0.50		\$9.61		
5/11/2016	72076	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	1.00			\$32.99	
5/11/2016	72076	0951	HERBICIDE-2,4 D AMNE	GALLON	14.13	1.00			\$14.13	
5/11/2016	72076	2000	WATER	GAL	0.00	2,000.00			\$0.00	
5/11/2016	72076	1130	GUTHRIEY THOMAS	1	15.66	0.50	\$7.83			
6/20/2016	72108	1198	TALTON STEVEN W	1	18.22	0.88	\$16.04			
6/20/2016	72108	1012	TRUCK-HERBICIDE	1	42.01	0.88		\$36.97		
6/20/2016	72108	0910	HERBICIDE-MSMA (TARGET	GALLON	21.46	13.00			\$279.00	
6/20/2016	72108	0916	HERBICIDE-DURON 4L	GALLON	18.00	13.00			\$234.00	
6/20/2016	72108	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
6/20/2016	72108	2000	WATER	GAL	0.00	2,000.00			\$0.00	
8/10/2016	72151	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
8/10/2016	72151	0814	PICKUP	1	18.07	0.76		\$13.74		
8/10/2016	72151	0910	HERBICIDE-MSMA (TARGET	GALLON	21.46	1.00			\$21.46	
8/10/2016	72151	0951	HERBICIDE-2,4 D AMNE	GALLON	13.68	0.50			\$6.84	
8/10/2016	72151	2000	WATER	GAL	0.00	30.00			\$0.00	
8/10/2016	72151	1130	GUTHRIEY THOMAS	1	15.66	0.76	\$11.91			
8/15/2016	72153	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/15/2016	72153	0814	PICKUP	1	18.07	0.77		\$13.92		
8/15/2016	72153	1130	GUTHRIEY THOMAS	1	15.66	0.77	\$12.06			
9/21/2016	72196	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
9/21/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.45		\$17.79		
9/28/2016	72197	1198	TALTON STEVEN W	1	18.22	0.65	\$11.85			
9/28/2016	72197	1012	TRUCK-HERBICIDE	1	39.52	0.65		\$23.09		
9/28/2016	72197	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	13.00			\$429.85	
9/28/2016	72197	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
9/28/2016	72197	2000	WATER	GAL	0.00	1,000.00			\$0.00	
Road Id - 000478 - ELBERT STREET										
Activity Id - 401 Herbicide Treatment										

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000478- ELBERT STREET										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/7/2016	72097	1530	GUTHERY THOMAS	1	15.66	0.53	\$8.30			
6/7/2016	72097	1013	TRUCK-HERBICIDE-2000	1	42.01	0.53		\$22.27		
9/26/2016	72195	1530	GUTHERY THOMAS	1	15.66	0.36	\$5.64			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road Id - 000480- ELLEOTT ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/8/2016	72098	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
6/8/2016	72098	1013	TRUCK-HERBICIDE-2000	1	42.01	0.71		\$29.83		
8/31/2016	72169	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
8/31/2016	72169	0814	PICKUP	1	18.07	0.55		\$9.94		
8/31/2016	72169	1530	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
9/13/2016	72181	1530	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
9/13/2016	72181	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
Road Id - 000481- ELLEOTT LANE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/5/2016	72137	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
10/5/2016	72137	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 000483- ELLISON DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/24/2016	72112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/24/2016	72112	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
8/18/2016	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	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/16/2016	72184	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/16/2016	72184	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 000485- ELROD MOUNTAIN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/24/2016	72112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/24/2016	72112	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
9/16/2016	72184	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/16/2016	72184	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 000486- ELROD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
11/9/2016	72132	1530	GUTHERY THOMAS	1	15.66	0.38	\$5.96			
11/9/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
Road Id - 000491- ESTES ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/19/2016	72058	1530	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/19/2016	72058	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
10/2/2016	72135	1530	GUTHERY THOMAS	2	22.81	0.59	\$13.46			
10/2/2016	72135	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
8/30/2016	72168	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
8/30/2016	72168	0814	PICKUP	1	18.07	0.71		\$12.83		
8/30/2016	72168	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.13			
Road Id - 000498- FAIRVIEW COVE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/12/2016	72077	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000498- FAIRVIEW COVE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/12/2016	72077	0815	PICKUP	1	19.21	0.55		\$10.37		
5/12/2016	72077	1130	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
5/18/2016	72158	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
5/18/2016	72158	0814	PICKUP	1	18.07	0.50		\$9.04		
5/18/2016	72158	1130	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
Road Id - 000499- FAIRVIEW DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/18/2016	72057	1130	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.41		\$17.23		
5/6/2016	72072	1198	TALTON STEVEN W	2	26.45	5.00	\$132.25			
5/6/2016	72072	0814	PICKUP	1	19.21	5.00		\$96.05		
5/6/2016	72072	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	1.00			\$21.46	
5/6/2016	72072	0901	MISCELLANEOUS	EACH	0.00	1.00			\$0.00	
5/6/2016	72072	1130	GUTHERY THOMAS	2	22.81	5.00	\$114.05			
5/13/2016	72078	1198	TALTON STEVEN W	2	26.45	2.50	\$66.13			
5/13/2016	72078	0814	PICKUP	1	19.21	2.50		\$48.03		
5/13/2016	72078	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	2.00			\$65.98	
5/13/2016	72078	0911	HERBICIDE-2,4 D AMINE	GALLON	14.13	0.25			\$3.54	
5/13/2016	72078	0912	HERBICIDE-ROUNDUPGLY	GALLON	14.49	2.00			\$28.98	
5/13/2016	72078	1130	GUTHERY THOMAS	2	22.81	2.50	\$57.03			
6/24/2016	72112	1130	GUTHERY THOMAS	2	22.81	0.52	\$11.87			
6/24/2016	72112	1013	TRUCK-HERBICIDE-2000	1	42.01	0.52		\$21.85		
7/29/2016	72133	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
7/29/2016	72133	0814	PICKUP	1	18.07	1.50		\$27.11		
7/29/2016	72133	1130	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
8/13/2016	72181	1130	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
8/13/2016	72181	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
8/29/2016	72198	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
8/29/2016	72198	0814	PICKUP	1	18.07	1.50		\$27.11		
8/29/2016	72198	1130	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
Road Id - 000500- FAIRVIEW ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/18/2016	72057	1130	GUTHERY THOMAS	1	15.66	0.57	\$8.93			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.57		\$23.93		
4/18/2016	72057	2000	WATER	GAL	0.00	2,000.00			\$0.00	
4/18/2016	72057	0911	HERBICIDE-2,4 D AMINE	GALLON	14.13	22.50			\$317.93	
4/18/2016	72057	0936	HERBICIDE-SULFOMET	LB	28.05	1.88			\$52.60	
4/18/2016	72057	0928	HERBICIDE-GROUND ZERO	PNT	8.71	2.00			\$17.42	
4/18/2016	72057	0814	PICKUP	1	19.21	0.25		\$4.81		
6/24/2016	72112	1130	GUTHERY THOMAS	2	22.81	0.52	\$11.87			
6/24/2016	72112	1013	TRUCK-HERBICIDE-2000	1	42.01	0.52		\$21.85		
8/15/2016	72155	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
8/15/2016	72155	0814	PICKUP	1	18.07	0.76		\$13.74		
8/15/2016	72155	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	2.00			\$42.92	
8/15/2016	72155	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	2.00			\$65.98	
8/15/2016	72155	2000	WATER	GAL	0.00	100.00			\$0.00	
8/15/2016	72155	1130	GUTHERY THOMAS	1	15.66	0.76	\$11.91			
8/31/2016	72169	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
8/31/2016	72169	0814	PICKUP	1	18.07	0.55		\$9.94		
8/31/2016	72169	1130	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
9/13/2016	72181	1130	GUTHERY THOMAS	1	15.66	0.54	\$8.77			
9/13/2016	72181	1013	TRUCK-HERBICIDE-2000	1	39.52	0.54		\$22.14		
9/29/2016	72198	1198	TALTON STEVEN W	1	18.22	2.50	\$45.55			

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Date	Dist	ID	Description	Rate ID	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project ID - 28-018-14HERBICIDE PROGRAM										
Road ID - 000500- FAIRVIEW ROAD										
Activity ID 401 Herbicide Treatment										
Road District -2										
9/29/2016	72198	0814	PICKUP	1	18.07	2.50		\$45.18		
9/29/2016	72198	0921	HERBICIDE-GARLOW 3-A	GALLON	32.99	1.00			\$32.99	
9/29/2016	72198	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	1.00			\$21.46	
9/29/2016	72198	2000	WATER	GAL	0.00	50.00				\$0.00
9/29/2016	72198	1330	GUTHRY THOMAS	1	15.66	2.50	\$39.15			
Road ID - 000506- FELIX STREET										
Activity ID 401 Herbicide Treatment										
Road District -2										
6/23/2016	72114	1330	GUTHRY THOMAS	1	15.66	0.59	\$9.24			
6/23/2016	72114	1013	TRUCK-HERBICIDE-2000	1	42.01	0.59		\$24.79		
9/26/2016	72195	1330	GUTHRY THOMAS	1	15.66	0.36	\$5.64			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road ID - 000511- FIRE TOWER ROAD										
Activity ID 401 Herbicide Treatment										
Road District -3										
5/11/2016	72076	1098	TALTON STEVEN W	1	18.22	0.50	\$9.11			
5/11/2016	72076	0814	PICKUP	1	19.21	0.50		\$9.61		
5/11/2016	72076	1330	GUTHRY THOMAS	1	15.66	0.50	\$7.83			
6/23/2016	72111	1098	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/23/2016	72111	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
9/21/2016	72189	1098	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/21/2016	72189	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road ID - 000512- FITTS FERRY ROAD										
Activity ID 401 Herbicide Treatment										
Road District -2										
6/7/2016	72097	1330	GUTHRY THOMAS	1	15.66	0.53	\$8.30			
6/7/2016	72097	1013	TRUCK-HERBICIDE-2000	1	42.01	0.53		\$22.27		
9/26/2016	72195	1330	GUTHRY THOMAS	1	15.66	0.36	\$5.64			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road ID - 000518- FORD VALLEY ROAD										
Activity ID 401 Herbicide Treatment										
Road District -1										
4/4/2016	72046	1330	GUTHRY THOMAS	1	15.66	0.77	\$12.06			
4/4/2016	72046	1013	TRUCK-HERBICIDE-2000	1	42.01	0.77		\$32.35		
4/4/2016	72046	1330	GUTHRY THOMAS	1	15.66	0.77	\$12.06			
4/4/2016	72046	1013	TRUCK-HERBICIDE-2000	1	42.01	0.77		\$32.35		
3/3/2016	72069	1098	TALTON STEVEN W	1	18.22	0.76	\$13.85			
3/3/2016	72069	0814	PICKUP	1	19.21	0.76		\$14.60		
3/3/2016	72069	1330	GUTHRY THOMAS	1	15.66	0.76	\$11.91			
3/21/2016	72134	1330	GUTHRY THOMAS	1	15.66	0.90	\$14.10			
3/21/2016	72134	1013	TRUCK-HERBICIDE-2000	1	39.52	0.90		\$35.37		
8/25/2016	72164	1098	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/25/2016	72164	0814	PICKUP	1	18.07	0.77		\$13.92		
8/25/2016	72164	1330	GUTHRY THOMAS	1	15.66	0.77	\$12.06			
9/2/2016	72172	1098	TALTON STEVEN W	1	18.22	0.77	\$14.03			
9/2/2016	72172	0814	PICKUP	1	18.07	0.77		\$13.92		
9/2/2016	72172	0912	HERBICIDE-ROUNDUPGLY	GALLON	14.49	1.00			\$14.49	
9/2/2016	72172	0953	HERBICIDE-SAHARA	GAL	50.00	1.00			\$50.00	
9/2/2016	72172	1330	GUTHRY THOMAS	2	22.81	0.77	\$17.57			
9/28/2016	72197	1330	GUTHRY THOMAS	1	15.66	2.00	\$31.32			
9/28/2016	72197	1013	TRUCK-HERBICIDE-2000	1	39.52	2.00		\$79.04		
Road ID - 000523- FOUR HAWKS PATH ROAD										
Activity ID 401 Herbicide Treatment										
Road District -3										
6/30/2016	72100	1098	TALTON STEVEN W	2	26.45	0.53	\$14.02			

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Project Id - 28-018-4HERBICIDE PROGRAM										
Road Id - 000522- FOUR HAWKS PATH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/30/2016	72100	1012	TRUCK-HERBICIDE	1	42.00	0.53				\$22.27
9/12/2016	72100	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/12/2016	72100	1012	TRUCK-HERBICIDE	1	39.52	0.71				\$28.06
Road Id - 000524- FOWLER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/19/2016	72058	1530	GUTHERY 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	22.81	0.59	\$13.46			
3/22/2016	72135	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59				\$23.32
Road Id - 000526- FOX ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/2/2016	72068	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
3/2/2016	72068	0814	PICKUP	1	19.21	1.50				\$28.82
3/2/2016	72068	1530	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
6/28/2016	72115	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	72115	1530	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
9/1/2016	72171	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	72171	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
Road Id - 000530- FRIENDSHIP CHURCH RD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/24/2016	72112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/24/2016	72112	1012	TRUCK-HERBICIDE	1	42.01	0.50				\$21.01
8/23/2016	72162	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
8/23/2016	72162	0814	PICKUP	1	18.07	0.52				\$9.40
8/23/2016	72162	1530	GUTHERY THOMAS	1	15.66	0.52	\$8.15			
Road Id - 000532- FULENWIDER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/29/2016	72110	1198	TALTON STEVEN W	1	18.22	0.59	\$10.75			
6/29/2016	72110	1012	TRUCK-HERBICIDE	1	42.01	0.59				\$24.79
Road Id - 000533- G RODEN DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/15/2016	72104	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.43				\$18.07
Road Id - 000537- GATHER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/23/2016	72111	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/23/2016	72111	1012	TRUCK-HERBICIDE	1	42.01	0.50				\$21.01
Road Id - 000538- GALLANT ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/1/2016	72076	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
5/1/2016	72076	0814	PICKUP	1	19.21	0.50				\$9.61
5/1/2016	72076	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
8/31/2016	72109	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
8/31/2016	72109	0814	PICKUP	1	18.07	0.55				\$9.94
8/31/2016	72109	1530	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
Road Id - 000541- GANNON ROAD										

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Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 000541- GANNON ROAD										
Activity Id 401 Herbicide Treatment										
Road District -2										
6/19/2016	72058	1330	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
6/19/2016	72058	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
7/22/2016	72133	1330	GUTHERY THOMAS	2	22.81	0.99	\$13.46			
7/22/2016	72135	1013	TRUCK-HERBICIDE-2000	1	39.52	0.99		\$23.32		
8/30/2016	72548	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
8/30/2016	72168	0814	PICKUP	1	18.07	0.71		\$12.83		
8/30/2016	72548	1330	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
Road Id - 000542- GARMON ROAD										
Activity Id 401 Herbicide Treatment										
Road District -6										
4/20/2016	72079	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
4/20/2016	72079	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
Road Id - 000544- GARRETT ROAD										
Activity Id 401 Herbicide Treatment										
Road District -2										
4/18/2016	72057	1330	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.41		\$17.23		
6/28/2016	72115	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	72115	1330	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
Road Id - 000547- GASKIN ROAD										
Activity Id 401 Herbicide Treatment										
Road District -3										
6/10/2016	72100	1198	TALTON STEVEN W	2	26.45	0.53	\$14.02			
6/10/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.53		\$22.27		
9/12/2016	72180	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/12/2016	72180	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 000549- GAZAWAY ROAD										
Activity Id 401 Herbicide Treatment										
Road District -3										
6/23/2016	72109	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/23/2016	72109	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
8/10/2016	72151	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
8/10/2016	72151	0814	PICKUP	1	18.07	0.66		\$11.93		
8/10/2016	72151	1330	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/26/2016	72195	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/26/2016	72195	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road Id - 000552- GENE BROWN ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
6/23/2016	72114	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/23/2016	72114	1012	TRUCK-HERBICIDE	1	42.01	1.00		\$42.01		
6/23/2016	72114	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	7.50			\$160.95	
6/23/2016	72114	0916	HERBICIDE-CAURON 4L GALLON		18.00	7.50			\$133.00	
6/23/2016	72114	0928	HERBICIDE-GROUND ZERO PNT		8.71	1.00			\$8.71	
6/23/2016	72114	2000	WATER GAL		0.00	1,000.00			\$0.00	
9/16/2016	72184	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
9/16/2016	72184	1012	TRUCK-HERBICIDE	1	39.52	0.77		\$30.44		
9/16/2016	72184	0921	HERBICIDE-GARLON 3-A GALLON		32.99	13.00			\$494.85	
9/16/2016	72184	0928	HERBICIDE-GROUND ZERO PNT		8.71	1.00			\$8.71	
9/16/2016	72184	2000	WATER GAL		0.00	1,000.00			\$0.00	
Road Id - 000553- GENE BURNS ROAD										
Activity Id 401 Herbicide Treatment										
Road District -3										
6/13/2016	72102	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			

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Project Id - 28-018-14HERBICIDE PROGRAM										
Road Id - 000553- GENE BURNS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/13/2016	72102	1012	TRUCK-HERBICIDE	1	42.01	0.55				\$23.31
9/22/2016	72190	1198	TALTON STEVEN W	1	18.22	0.55	\$10.00			
9/22/2016	72199	1012	TRUCK-HERBICIDE	1	39.52	0.55				\$21.34
Road Id - 000554- GENE WHITT ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/16/2016	72080	1198	TALTON STEVEN W	2	26.45	0.53	\$14.02			
6/16/2016	72109	1012	TRUCK-HERBICIDE	1	42.01	0.53				\$22.27
9/12/2016	72080	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/12/2016	72189	1012	TRUCK-HERBICIDE	1	39.52	0.71				\$28.06
Road Id - 000555- GEORGE JOHNSON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
5/13/2016	72076	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
5/13/2016	72075	0814	PICKUP	1	19.21	0.50				\$9.64
5/15/2016	72076	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
6/22/2016	72110	1198	TALTON STEVEN W	1	18.22	0.91	\$16.59			
6/22/2016	72119	1012	TRUCK-HERBICIDE	1	42.01	0.91				\$38.23
8/15/2016	72153	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/15/2016	72115	0814	PICKUP	1	18.07	0.77				\$13.92
8/15/2016	72153	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/21/2016	72189	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/21/2016	72189	1012	TRUCK-HERBICIDE	1	39.52	0.66				\$26.09
Road Id - 000561- GILLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
5/4/2016	72079	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
5/4/2016	72079	0814	PICKUP	1	19.21	1.00				\$19.21
5/4/2016	72079	1330	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
10/25/2016	72137	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
10/25/2016	72137	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50				\$19.76
8/25/2016	72164	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/25/2016	72164	0814	PICKUP	1	18.07	0.77				\$13.92
8/25/2016	72164	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
Road Id - 000564- GILLLAND ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
5/12/2016	72077	1198	TALTON STEVEN W	1	18.22	0.55	\$10.00			
5/12/2016	72077	0815	PICKUP	1	19.21	0.55				\$10.37
5/12/2016	72077	1330	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
8/22/2016	72161	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
8/22/2016	72161	0814	PICKUP	1	18.07	1.00				\$18.07
8/22/2016	72161	1330	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
Road Id - 000568- GLADDEN LANE										
Activity Id - 401 Herbicide Treatment										
Road District -2										
4/18/2016	72057	1330	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.41				\$17.23
7/18/2016	72131	1330	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
7/18/2016	72131	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66				\$26.09
9/23/2016	72193	1330	GUTHERY THOMAS	2	22.81	0.45	\$10.27			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.45				\$17.79
9/29/2016	72198	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
9/29/2016	72198	0814	PICKUP	1	18.07	1.50				\$27.11
9/29/2016	72198	1330	GUTHERY THOMAS	1	15.66	1.50	\$23.49			

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Project ID - 28-018-18HERBICIDE PROGRAM										
Road ID - 000569- GLADDEN ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
5/2/2016	72068	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
5/2/2016	72068	0814	PICKUP	1	19.21	1.50		\$28.82		
5/2/2016	72068	1530	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
6/28/2016	72115	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	72115	1530	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
8/31/2016	72169	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
8/31/2016	72169	0814	PICKUP	1	18.07	0.55		\$9.94		
8/31/2016	72169	1530	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
Road ID - 000572- GLENN GAP ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
9/1/2016	72171	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	72171	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/15/2016	72183	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/15/2016	72183	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road ID - 000574- GLOVER ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
5/11/2016	72076	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
5/11/2016	72076	0814	PICKUP	1	19.21	0.50		\$9.61		
5/11/2016	72076	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
6/22/2016	72119	1198	TALTON STEVEN W	1	18.22	0.91	\$16.59			
6/22/2016	72119	1012	TRUCK-HERBICIDE	1	42.01	0.91		\$38.23		
8/15/2016	72155	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/15/2016	72155	0814	PICKUP	1	18.07	0.77		\$13.92		
8/15/2016	72155	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/21/2016	72189	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/21/2016	72189	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road ID - 000575- GNATVILLE ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
4/19/2016	72058	1530	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/19/2016	72058	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
7/22/2016	72135	1530	GUTHERY THOMAS	2	22.81	0.59	\$13.46			
7/22/2016	72135	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
8/30/2016	72168	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
8/30/2016	72168	0814	PICKUP	1	18.07	0.71		\$12.83		
8/30/2016	72168	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.32			
Road ID - 000583- GREGG ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
6/14/2016	72103	1198	TALTON STEVEN W	1	18.22	0.58	\$10.57			
6/14/2016	72103	1012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
9/22/2016	72190	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/22/2016	72190	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road ID - 000584- GRIFFEY ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
6/15/2016	72104	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.07		
8/2/2016	72144	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
8/2/2016	72144	0814	PICKUP	1	18.07	0.50		\$9.04		
8/2/2016	72144	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			

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Date	DI Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000586- GROOVER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/23/2016	72111	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/23/2016	72111	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.00		
9/26/2016	72195	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
9/26/2016	72195	1012	TRUCK-HERBICIDE	1	39.52	0.76		\$30.04		
9/26/2016	72195	0901	HERBICIDE-GARLON 3-A	GALLON	32.99	15.00			\$494.85	
9/26/2016	72195	0908	HERBICIDE-GROUND ZERO	PINT	8.71	1.00			\$8.71	
9/26/2016	72195	2000	WATER	GAL	0.00	1,000.00			\$0.00	
Road Id - 000589- GUY HOOD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
8/24/2016	72163	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/24/2016	72163	0814	PICKUP	1	18.07	0.67		\$12.11		
8/24/2016	72163	1330	GUTHERY THOMAS	1	15.66	0.67	\$10.39			
Road Id - 000597- HAGGARD LANE										
Activity Id - 401 Herbicide Treatment										
Road District -3										
4/25/2016	72062	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
4/25/2016	72062	1012	TRUCK-HERBICIDE	1	42.01	0.45		\$18.91		
7/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 000603- HALLMARK ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
5/31/2016	72091	1198	TALTON STEVEN W	1	18.22	2.00	\$36.44			
5/31/2016	72091	0813	PICKUP	1	19.21	2.00		\$38.42		
5/31/2016	72091	1330	GUTHERY THOMAS	1	15.66	2.00	\$31.32			
6/15/2016	72104	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.07		
7/29/2016	72133	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
7/29/2016	72133	0814	PICKUP	1	18.07	1.50		\$27.11		
7/29/2016	72133	1330	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
8/2/2016	72144	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
8/2/2016	72144	0814	PICKUP	1	18.07	0.50		\$9.04		
8/2/2016	72144	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/2/2016	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		
9/2/2016	72172	1330	GUTHERY THOMAS	2	22.81	0.71	\$16.20			
9/23/2016	72191	1198	TALTON STEVEN W	2	26.45	0.56	\$14.82			
9/23/2016	72191	1012	TRUCK-HERBICIDE	1	39.52	0.56		\$22.14		
Road Id - 000605- HAMMONDS LN										
Activity Id - 401 Herbicide Treatment										
Road District -4										
3/26/2016	72138	1198	TALTON STEVEN W	1	18.22	0.91	\$16.39			
3/26/2016	72138	1012	TRUCK-HERBICIDE	1	39.52	0.91		\$33.97		
Road Id - 000606- HAMPTON MOUNTAEN RD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/21/2016	72109	1198	TALTON STEVEN W	1	18.22	0.65	\$11.85			
6/21/2016	72109	1012	TRUCK-HERBICIDE	1	42.01	0.65		\$27.31		
6/21/2016	72109	0910	HERBICIDE-MSMA (TARGET	GALLON	21.46	15.00			\$321.90	
6/21/2016	72109	0916	HERBICIDE-DEBUN 4L	GALLON	18.00	15.00			\$270.00	
6/21/2016	72109	0928	HERBICIDE-GROUND ZERO	PINT	8.71	1.00			\$8.71	
6/21/2016	72109	2000	WATER	GAL	0.00	2,000.00			\$0.00	
8/15/2016	72135	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/15/2016	72135	0814	PICKUP	1	18.07	0.77		\$13.92		

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Project Id - 28-018-1400 HERBICIDE PROGRAM										
Road Id - 000606- HAMPTON MOUNTAIN RD										
Activity Id - 401 Herbicide Treatment										
Road District - J										
8/15/2016	72153	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/23/2016	72196	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
9/23/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.45		\$17.79		
Road Id - 000609- HANEY RD										
Activity Id - 401 Herbicide Treatment										
Road District - J										
5/8/2016	72070	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
5/8/2016	72070	0814	PICKUP	1	19.21	1.00		\$19.21		
5/8/2016	72070	1330	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
10/5/2016	72137	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
10/5/2016	72137	1012	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 000610- HAPPY HILL CUTOFF ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - J										
6/15/2016	72104	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.07		
8/2/2016	72144	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
8/2/2016	72144	0814	PICKUP	1	18.07	0.50		\$9.04		
8/2/2016	72144	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
Road Id - 000611- HAPPY HILL RD.										
Activity Id - 401 Herbicide Treatment										
Road District - J										
6/3/2016	72094	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/3/2016	72094	0814	PICKUP	1	19.21	1.00		\$19.21		
6/3/2016	72094	1330	GUTHERY THOMAS	2	22.81	1.00	\$22.81			
6/16/2016	72105	1198	TALTON STEVEN W	1	18.22	0.72	\$13.12			
6/16/2016	72105	1012	TRUCK-HERBICIDE	1	42.01	0.72		\$30.25		
6/16/2016	72105	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	15.00			\$321.90	
6/16/2016	72105	0916	HERBICIDE-DURON 4L GALLON		18.00	15.00			\$270.00	
6/16/2016	72105	0928	HERBICIDE-GROUND ZERO PNT		8.71	1.00			\$8.71	
6/16/2016	72105	2000	WATER GAL		0.00	2,000.00			\$0.00	
8/2/2016	72144	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
8/2/2016	72144	0814	PICKUP	1	18.07	0.50		\$9.04		
8/2/2016	72144	0921	HERBICIDE-GARLON 3-A GALLON		56.48	1.00			\$56.48	
8/2/2016	72144	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	1.00			\$21.46	
8/2/2016	72144	2000	WATER GAL		0.00	50.00			\$0.00	
8/2/2016	72144	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
Road Id - 000614- HARBELSON RD.										
Activity Id - 401 Herbicide Treatment										
Road District - J										
6/20/2016	72108	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
6/20/2016	72108	1012	TRUCK-HERBICIDE	1	42.01	0.76		\$31.93		
8/10/2016	72151	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
8/10/2016	72151	0814	PICKUP	1	18.07	0.66		\$11.93		
8/10/2016	72151	1330	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/28/2016	72197	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/28/2016	72197	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road Id - 000618- HARRIS ST.										
Activity Id - 401 Herbicide Treatment										
Road District - J										
4/18/2016	72057	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/18/2016	72057	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.83		
9/23/2016	72196	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
9/23/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.45		\$17.79		
Road Id - 000627- HAYNES RD.										

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Project Id - 28-018-14HERBICIDE PROGRAM										
Road Id - 000627- HAYNES RD.										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/24/2016	72112	1198	TALTON STEVEN W	2	26.43	0.50	\$13.23			
6/24/2016	72112	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
9/16/2016	72184	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/16/2016	72184	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 000633- HENRY DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/13/2016	72102	1198	TALTON STEVEN W	1	18.22	0.53	\$10.03			
6/13/2016	72102	1012	TRUCK-HERBICIDE	1	42.01	0.53		\$23.11		
9/15/2016	72183	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
9/15/2016	72183	1012	TRUCK-HERBICIDE	1	39.52	1.50		\$59.28		
Road Id - 000642- HICKORY STREET										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/15/2016	72104	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.07		
Road Id - 000647- HIGGINBOTHAM ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/7/2016	72097	1330	GUTHERY THOMAS	1	15.66	0.53	\$8.30			
6/7/2016	72097	1013	TRUCK-HERBICIDE-2000	1	42.01	0.53		\$22.27		
9/14/2016	72182	1330	GUTHERY THOMAS	1	15.66	0.71	\$11.32			
9/14/2016	72182	1013	TRUCK-HERBICIDE-2000	1	39.52	0.71		\$28.06		
Road Id - 000648- HIGH SCHOOL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/7/2016	72097	1330	GUTHERY THOMAS	1	15.66	0.53	\$8.30			
6/7/2016	72097	1013	TRUCK-HERBICIDE-2000	1	42.01	0.53		\$22.27		
9/26/2016	72195	1330	GUTHERY THOMAS	1	15.66	0.36	\$5.64			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road Id - 000650- HIGHLAND LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/18/2016	72057	1330	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.41		\$17.23		
6/24/2016	72112	1330	GUTHERY THOMAS	2	22.81	0.52	\$11.87			
6/24/2016	72112	1013	TRUCK-HERBICIDE-2000	1	42.01	0.52		\$21.85		
Road Id - 000654- HILL TOP DR										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/13/2016	72106	1198	TALTON STEVEN W	2	26.43	0.38	\$10.06			
6/13/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$15.97		
Road Id - 000666- HILL TOP BOULEVARD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/2/2016	72093	1330	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
6/2/2016	72093	1013	TRUCK-HERBICIDE-2000	1	42.01	1.00		\$42.01		
9/19/2016	72187	1330	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/19/2016	72187	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
Road Id - 000668- HILLWAY DR										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/19/2016	72058	1330	GUTHERY THOMAS	1	15.66	0.38	\$9.09			
4/19/2016	72058	1013	TRUCK-HERBICIDE-2000	1	42.01	0.38		\$24.37		
7/23/2016	72125	1330	GUTHERY THOMAS	2	22.81	0.39	\$13.46			

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Project Id - 28-018-1HERBICIDE PROGRAM										
Road Id - 000668- HILLWAY DR										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/2/2016	72135	1013	TRUCK-HERBICIDE-2000	1	39.52	0.99		\$23.32		
Road Id - 000669- HODGES ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
4/18/2016	72057	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/18/2016	72057	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.81		
Road Id - 000670- HOLCOMBE DR.										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/20/2016	72099	1530	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/20/2016	72099	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
6/1/2016	72092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
9/19/2016	72187	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/19/2016	72187	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
Road Id - 000672- HOLLIDAY CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/20/2016	72108	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
6/20/2016	72108	1012	TRUCK-HERBICIDE	1	42.01	0.76		\$11.93		
8/10/2016	72131	1198	TALTON STEVEN W	1	18.22	0.66	\$12.80			
8/10/2016	72151	0814	PICKUP	1	18.07	0.66		\$11.93		
8/10/2016	72131	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/28/2016	72197	1198	TALTON STEVEN W	1	18.22	0.55	\$10.80			
9/28/2016	72197	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road Id - 000674- HOLLIDAY SPUR										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/20/2016	72108	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
6/20/2016	72108	1012	TRUCK-HERBICIDE	1	42.01	0.76		\$11.93		
9/28/2016	72197	1198	TALTON STEVEN W	1	18.22	0.55	\$10.80			
9/28/2016	72197	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road Id - 000680- HONEYSUCKLE DR										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/1/2016	72092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
9/23/2016	72191	1530	GUTHERY THOMAS	2	22.81	0.43	\$10.27			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.79		
Road Id - 000696- HOOKS LAKE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 5										
6/1/2016	72092	1530	GUTHERY THOMAS	1	15.66	0.14	\$2.20			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.14		\$5.89		
6/1/2016	72092	2000	WATER	GAL	0.00	2,000.00			\$0.00	
6/1/2016	72092	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	15.00			\$121.90	
6/1/2016	72092	0916	HERBICIDE-DURON 4L	GALLON	18.00	15.00			\$270.00	
6/1/2016	72092	0928	HERBICIDE-GROUND ZERO	PNT	8.71	2.00			\$17.42	
6/1/2016	72092	0933	HERBICIDE-FOAM BUSTER	QT	11.30	0.25			\$2.83	
9/21/2016	72189	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/21/2016	72189	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$10.44		
Road Id - 000697- HOOPER DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/14/2016	72100	1198	TALTON STEVEN W	1	18.22	0.58	\$10.57			

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Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 000697- HOOPER DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/14/2016	72103	1012	TRUCK-HERBICIDE	1	42.00	0.58		\$24.37		
Road Id - 000698- HOPE STREET										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/22/2016	72110	1198	TALTON STEVEN W	1	18.22	0.91	\$16.79			
6/22/2016	72110	1012	TRUCK-HERBICIDE	1	42.00	0.91		\$38.23		
Road Id - 000699- HOPPER MOUNTAIN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
6/24/2016	72112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/24/2016	72112	1012	TRUCK-HERBICIDE	1	42.00	0.50		\$21.01		
6/24/2016	72112	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	15.00			\$321.90	
6/24/2016	72112	0916	HERBICIDE-DURON 4L GALLON		18.00	15.00			\$270.00	
6/24/2016	72112	0928	HERBICIDE-GROUND ZERO PNT		8.71	1.00			\$8.71	
6/24/2016	72112	2000	WATER GAL		0.00	2,000.00			\$0.00	
9/16/2016	72184	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/16/2016	72184	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$38.06		
Road Id - 000703- HORNBUCKLE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
6/28/2016	72115	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	72115	1530	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
9/1/2016	72171	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	72171	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/13/2016	72181	1530	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
9/13/2016	72181	1012	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
Road Id - 000706- HORTON GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/7/2016	72097	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/7/2016	72097	1012	TRUCK-HERBICIDE	1	42.00	1.00		\$42.01		
6/13/2016	72102	1198	TALTON STEVEN W	1	18.22	0.65	\$11.85			
6/13/2016	72102	1012	TRUCK-HERBICIDE	1	42.00	0.65		\$27.31		
6/13/2016	72102	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	15.00			\$321.90	
6/13/2016	72102	0916	HERBICIDE-DURON 4L GALLON		18.00	15.00			\$270.00	
6/13/2016	72102	0928	HERBICIDE-GROUND ZERO PNT		8.71	1.00			\$8.71	
6/13/2016	72102	2000	WATER GAL		0.00	2,000.00			\$0.00	
9/14/2016	72182	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
9/14/2016	72182	1012	TRUCK-HERBICIDE	1	39.52	0.77		\$30.44		
9/22/2016	72190	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/22/2016	72190	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
9/23/2016	72191	1198	TALTON STEVEN W	2	26.45	0.56	\$14.82			
9/23/2016	72191	1012	TRUCK-HERBICIDE	1	39.52	0.56		\$22.34		
Road Id - 000710- HOWELTON CHURCH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/29/2016	72108	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
6/29/2016	72108	1012	TRUCK-HERBICIDE	1	42.00	0.76		\$31.53		
8/16/2016	72156	1198	TALTON STEVEN W	1	18.22	0.62	\$11.30			
8/16/2016	72156	0814	PICKUP	1	18.07	0.62		\$11.21		
8/16/2016	72156	0910	HERBICIDE-GARLON 3-A GALLON		32.99	2.00			\$65.98	
8/16/2016	72156	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	2.00			\$42.92	
8/16/2016	72156	2000	WATER GAL		0.00	100.00			\$0.00	

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000710- HOWELTON CHURCH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
8/16/2016	72156	1530	GUTHERY THOMAS	1	15.66	0.62	\$9.71			
Road Id - 000712- HOYT WHITE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
9/22/2016	72190	1198	TALTON STEVEN W	1	18.22	0.55	\$99.03			
9/22/2016	72190	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road Id - 000714- HUDSON DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/16/2016	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			
8/2/2016	72144	0814	PICKUP	1	18.07	0.50		\$9.04		
8/2/2016	72144	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
Road Id - 000715- HUDSON HOLLOW ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/16/2016	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			
8/2/2016	72144	0814	PICKUP	1	18.07	0.50		\$9.04		
8/2/2016	72144	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
Road Id - 000719- HURST CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/16/2016	72080	1198	TALTON STEVEN W	1	18.22	0.83	\$15.13			
5/16/2016	72080	0814	PICKUP	1	19.21	0.83		\$13.95		
5/16/2016	72080	1530	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
6/29/2016	72116	1198	TALTON STEVEN W	1	18.22	0.59	\$10.75			
6/29/2016	72116	1012	TRUCK-HERBICIDE	1	42.01	0.59		\$24.79		
9/17/2016	72185	1198	TALTON STEVEN W	2	26.45	1.00	\$26.45			
9/17/2016	72185	1012	TRUCK-HERBICIDE	1	39.52	1.00		\$39.52		
Road Id - 000720- HUTCHENS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/26/2016	72063	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/26/2016	72063	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
7/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 000721- HUTCHINS AVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/5/2016	72092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/5/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
7/20/2016	72133	1198	TALTON STEVEN W	1	18.22	2.50	\$45.55			
7/20/2016	72133	0814	PICKUP	1	18.07	2.50		\$45.18		
7/20/2016	72133	1530	GUTHERY THOMAS	1	15.66	2.50	\$39.15			
9/2/2016	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		
9/2/2016	72172	1530	GUTHERY THOMAS	2	22.81	0.71	\$16.20			
9/2/2016	72191	1530	GUTHERY THOMAS	2	22.81	0.45	\$10.27			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.45		\$17.79		
Road Id - 000725- HOU-ROBERSON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										

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Project ID - 28-018-100 HERBICIDE PROGRAM										
Road ID - 000723- HOU-ROBERSON ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
8/16/2016	72156	1100	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/16/2016	72156	0814	PICKUP	1	18.07	0.67		\$12.11		
8/16/2016	72156	1530	GUTHERY THOMAS	1	15.66	0.67	\$10.50			
Road ID - 000726- INDIAN CAMP ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 5										
6/1/2016	72092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
9/21/2016	72189	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/21/2016	72189	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$10.44		
Road ID - 000727- INDIAN HILL ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
3/25/2016	72137	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
3/25/2016	72137	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road ID - 000732- INDIAN LANE										
Activity ID - 401 Herbicide Treatment										
Road District - 1										
3/3/2016	72069	1100	TALTON STEVEN W	1	18.22	0.76	\$13.85			
3/3/2016	72069	0814	PICKUP	1	19.23	0.76		\$14.60		
3/3/2016	72069	1530	GUTHERY THOMAS	1	15.66	0.76	\$11.91			
Road ID - 000736- KEVIN DRIVE										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
6/16/2016	72105	1100	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	1100	TALTON STEVEN W	1	18.22	0.50	\$9.11			
8/2/2016	72144	0814	PICKUP	1	18.07	0.50		\$9.04		
8/2/2016	72144	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
Road ID - 000740- IVALEE CUTOFF ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
3/18/2016	72131	1100	TALTON STEVEN W	1	18.22	0.38	\$6.93			
3/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.38		\$15.02		
3/18/2016	72131	0916	HERBICIDE-COLSON 4L	GALLON	18.00	7.50			\$135.00	
3/18/2016	72131	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	7.50			\$160.95	
3/18/2016	72131	0928	HERBICIDE-GROUND ZERO	PENT	8.71	1.00			\$8.71	
3/18/2016	72131	2000	WATER	GAL	0.00	1,000.00			\$0.00	
Road ID - 000741- IVAN ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 4										
5/11/2016	72076	1100	TALTON STEVEN W	1	18.22	0.50	\$9.11			
5/11/2016	72076	0814	PICKUP	1	19.23	0.50		\$9.61		
5/11/2016	72076	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
8/17/2016	72157	1100	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/17/2016	72157	0814	PICKUP	1	18.07	0.77		\$13.92		
8/17/2016	72157	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
Road ID - 000745- J TUCKER ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
6/7/2016	72097	1530	GUTHERY THOMAS	1	15.66	0.53	\$8.30			
6/7/2016	72097	1013	TRUCK-HERBICIDE-2000	1	42.01	0.53		\$12.27		
9/1/2016	72171	1100	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	72171	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			

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Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 000745- J TUCKER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
9/14/2016	72182	1130	GUTHERY THOMAS	1	15.66	0.71	\$11.22			
9/14/2016	72182	1013	TRUCK-HERBICIDE-2000	1	39.52	0.71		\$28.06		
Road Id - 000748- JACKSON TRAIL										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/16/2016	72080	1198	TALTON STEVEN W	1	18.22	0.83	\$15.13			
5/16/2016	72080	0814	PICKUP	1	19.21	0.83		\$15.95		
5/16/2016	72080	1130	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
6/29/2016	72116	1198	TALTON STEVEN W	1	18.22	0.99	\$10.75			
6/29/2016	72116	1012	TRUCK-HERBICIDE	1	42.01	0.99		\$24.79		
8/18/2016	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	1130	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/13/2016	72185	1198	TALTON STEVEN W	2	36.45	1.00	\$26.45			
9/13/2016	72185	1012	TRUCK-HERBICIDE	1	39.52	1.00		\$39.52		
Road Id - 000749- JACOBS LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/7/2016	72097	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/7/2016	72097	1012	TRUCK-HERBICIDE	1	42.01	1.00		\$42.01		
9/14/2016	72182	1198	TALTON STEVEN W	1	18.22	0.77	\$14.89			
9/14/2016	72182	1012	TRUCK-HERBICIDE	1	39.52	0.77		\$30.44		
Road Id - 000750- JACOBS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/8/2016	72098	1198	TALTON STEVEN W	1	18.22	0.91	\$16.39			
6/8/2016	72098	1012	TRUCK-HERBICIDE	1	42.01	0.91		\$38.23		
9/14/2016	72182	1198	TALTON STEVEN W	1	18.22	0.77	\$14.89			
9/14/2016	72182	1012	TRUCK-HERBICIDE	1	39.52	0.77		\$30.44		
Road Id - 000758- JEFFREY DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/28/2016	72113	1198	TALTON STEVEN W	1	18.22	0.99	\$10.75			
6/28/2016	72113	0814	PICKUP	1	19.21	0.99		\$11.34		
6/28/2016	72113	1130	GUTHERY THOMAS	1	15.66	0.99	\$9.34			
8/31/2016	72169	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
8/31/2016	72169	0814	PICKUP	1	18.07	0.55		\$9.94		
8/31/2016	72169	1130	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
Road Id - 000760- JENKINS CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
4/4/2016	72046	1130	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
4/4/2016	72046	1013	TRUCK-HERBICIDE-2000	1	42.01	0.77		\$32.31		
7/21/2016	72134	1130	GUTHERY THOMAS	1	15.66	0.90	\$14.10			
7/21/2016	72134	1013	TRUCK-HERBICIDE-2000	1	39.52	0.90		\$35.57		
9/28/2016	72197	1130	GUTHERY THOMAS	1	15.66	2.00	\$31.32			
9/28/2016	72197	1013	TRUCK-HERBICIDE-2000	1	39.52	2.00		\$79.04		
Road Id - 000763- JERRY CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/5/2016	72092	1130	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/5/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
9/23/2016	72191	1130	GUTHERY THOMAS	2	22.81	0.45	\$10.27			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.45		\$17.79		
Road Id - 000764- JERRY LANE										

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Project ID - 28-018-14HERBICIDE PROGRAM										
Road ID - 000764- JERRY LANE										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
3/19/2016	72132	1330	GUTHERY THOMAS	1	15.66	0.38	\$5.96			
3/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
5/27/2016	72196	1330	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
5/27/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road ID - 000770- JOE MARONEY ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
6/15/2016	72104	1398	TALTON STEVEN W	1	18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.07		
9/23/2016	72191	1398	TALTON STEVEN W	2	26.45	0.56	\$14.82			
9/23/2016	72191	1012	TRUCK-HERBICIDE	1	39.52	0.56		\$22.14		
Road ID - 000774- JOHN L GAP ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
6/14/2016	72103	1398	TALTON STEVEN W	1	18.22	0.58	\$10.57			
6/14/2016	72103	1012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
6/15/2016	72104	1398	TALTON STEVEN W	1	18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.07		
9/15/2016	72183	1398	TALTON STEVEN W	1	18.22	1.50	\$27.33			
9/15/2016	72183	1012	TRUCK-HERBICIDE	1	39.52	1.50		\$59.28		
Road ID - 000775- JOHN L SMITH ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 4										
6/30/2016	72123	1398	TALTON STEVEN W	1	18.22	0.70	\$12.76			
6/30/2016	72123	1012	TRUCK-HERBICIDE	1	42.01	0.70		\$29.41		
8/18/2016	72138	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/17/2016	72185	1398	TALTON STEVEN W	2	26.45	1.00	\$26.45			
9/17/2016	72185	1012	TRUCK-HERBICIDE	1	39.52	1.00		\$39.52		
Road ID - 000778- JOHNS ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
6/16/2016	72105	1398	TALTON STEVEN W	1	18.22	0.58	\$10.57			
6/16/2016	72105	1012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
8/18/2016	72158	1398	TALTON STEVEN W	1	18.22	0.50	\$9.11			
8/18/2016	72158	0814	PICKUP	1	18.07	0.50		\$9.04		
Road ID - 000780- JOHNSON CIRCLE										
Activity ID - 401 Herbicide Treatment										
Road District - 1										
3/27/2016	72139	1398	TALTON STEVEN W	1	18.22	0.71	\$12.94			
3/27/2016	72139	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road ID - 000781- JOHNSON DRIVE										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
5/5/2016	72071	1398	TALTON STEVEN W	1	18.22	0.83	\$15.13			
5/5/2016	72071	0814	PICKUP	1	19.21	0.83		\$15.95		
5/5/2016	72071	1330	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
Road ID - 000782- JOHNSON DRIVE NORTH										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
3/22/2016	72135	1330	GUTHERY THOMAS	2	22.81	0.99	\$13.46			
3/22/2016	72135	1013	TRUCK-HERBICIDE-2000	1	39.52	0.99		\$23.32		
Road ID - 000784- JOHNSON ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
3/19/2016	72132	1330	GUTHERY THOMAS	1	15.66	0.38	\$5.96			

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Project Id - 28-018-1400 HERBICIDE PROGRAM										
Road Id - 000784- JOHNSON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
9/23/2016	72196	1130	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/23/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road Id - 000786- JOHNSON STREET										
Activity Id - 401 Herbicide Treatment										
Road District - 6										
4/20/2016	72059	1198	TALTON STEVEN W	1	18.22	0.55	\$10.83			
4/20/2016	72059	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
Road Id - 000788- JONES CHAPEL RD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/19/2016	72058	1130	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/19/2016	72058	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
7/25/2016	72137	1130	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
7/25/2016	72137	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
8/30/2016	72168	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
8/30/2016	72168	0814	PICKUP	1	18.07	0.71		\$12.83		
8/30/2016	72168	1130	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
Road Id - 000790- JONES ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/1/2016	72092	1130	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
Road Id - 000791- JONES ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/19/2016	72058	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72058	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
8/23/2016	72162	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
8/23/2016	72162	0814	PICKUP	1	18.07	0.52		\$9.40		
8/23/2016	72162	1130	GUTHERY THOMAS	1	15.66	0.52	\$8.15			
Road Id - 000795- JOSHUA TRAIL										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/1/2016	72092	1130	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
9/23/2016	72191	1130	GUTHERY THOMAS	2	22.81	0.45	\$10.27			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.45		\$17.79		
Road Id - 000797- JULEDE DR										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/19/2016	72058	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72058	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
8/24/2016	72163	1198	TALTON STEVEN W	1	18.22	0.67	\$12.31			
8/24/2016	72163	0814	PICKUP	1	18.07	0.67		\$12.11		
8/24/2016	72163	1130	GUTHERY THOMAS	1	15.66	0.67	\$10.50			
Road Id - 000810- KEENER GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/8/2016	72098	1130	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
6/8/2016	72098	1013	TRUCK-HERBICIDE-2000	1	42.01	0.71		\$29.83		
9/1/2016	72171	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	72171	1130	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/13/2016	72183	1130	GUTHERY THOMAS	1	15.66	0.59	\$9.24			

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 00010- KEENER GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
013/2016	72101	1013	TRUCK-HERBICIDE-2000	1	39.52	0.99		\$23.32		
Road Id - 00011- KEENER LANE										
Activity Id - 401 Herbicide Treatment										
Road District -2										
019/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.56			
019/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
Road Id - 00012- KEENER SCHOOL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
019/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.56			
019/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
020/2016	72188	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
020/2016	72188	0814	PICKUP	1	18.07	1.50		\$27.11		
020/2016	72188	1330	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
Road Id - 00014- KEITH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
4/19/2016	72058	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72058	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
8/24/2016	72163	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/24/2016	72163	0814	PICKUP	1	18.07	0.67		\$12.11		
8/24/2016	72163	1330	GUTHERY THOMAS	1	15.66	0.67	\$10.50			
Road Id - 00015- KELLEY LANE										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/10/2016	72100	1198	TALTON STEVEN W	2	36.45	0.53	\$14.02			
6/10/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.53		\$22.27		
9/8/2016	72177	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
9/8/2016	72177	1012	TRUCK-HERBICIDE	1	39.52	1.00		\$39.52		
Road Id - 00018- KERRI LANE W										
Activity Id - 401 Herbicide Treatment										
Road District -4										
8/13/2016	72157	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/13/2016	72157	0814	PICKUP	1	18.07	0.77		\$13.92		
8/13/2016	72157	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
Road Id - 00019- KERNEAW QUARTERS RD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
1025/2016	72137	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
1025/2016	72137	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 00022- KILLIAN CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District -4										
6/30/2016	72123	1198	TALTON STEVEN W	1	18.22	0.70	\$12.76			
6/30/2016	72123	1012	TRUCK-HERBICIDE	1	42.01	0.70		\$29.41		
Road Id - 00024- KIMBERL CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District -4										
4/26/2016	72063	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
4/26/2016	72063	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
7/06/2016	72138	1198	TALTON STEVEN W	1	18.22	0.91	\$16.59			
7/06/2016	72138	1012	TRUCK-HERBICIDE	1	39.52	0.91		\$35.97		
8/23/2016	72162	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
8/23/2016	72162	0814	PICKUP	1	18.07	0.52		\$9.48		
8/23/2016	72162	1330	GUTHERY THOMAS	1	15.66	0.52	\$8.13			

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 00025- KING LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/23/2016	72100	1198	TALTON STEVEN W	1	18.22	0.91	\$16.58			
6/23/2016	72110	1012	TRUCK-HERBICIDE	1	42.01	0.91		\$38.23		
9/21/2016	72189	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/21/2016	72189	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road Id - 00032- KIRBY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/16/2016	72105	1198	TALTON STEVEN W	1	18.22	0.58	\$10.17			
6/16/2016	72105	1012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.31		
8/2/2016	72144	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
8/2/2016	72144	0814	PICKUP	1	18.07	0.50		\$9.04		
8/2/2016	72144	1130	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
Road Id - 00041- LACKEY GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
5/11/2016	72076	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
5/11/2016	72076	0814	PICKUP	1	19.21	0.50		\$9.43		
5/11/2016	72076	1130	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
6/23/2016	72111	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/23/2016	72111	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
8/13/2016	72157	1198	TALTON STEVEN W	1	18.22	0.36	\$13.85			
8/13/2016	72157	0814	PICKUP	1	18.07	0.36		\$13.74		
8/13/2016	72157	0910	HERBICIDE-GARLON 3-A	GALLON	32.99	2.00			\$65.98	
8/13/2016	72157	0910	HERBICIDE-MSMA (TARGET	GALLON	21.46	2.00			\$42.92	
8/13/2016	72157	2000	WATER	GAL.	0.00	100.00			\$0.00	
8/13/2016	72157	1130	GUTHERY THOMAS	1	15.66	0.36	\$11.91			
9/21/2016	72189	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/21/2016	72189	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road Id - 00043- LAKE CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/23/2016	72114	1130	GUTHERY THOMAS	1	15.66	0.39	\$9.24			
6/23/2016	72114	1013	TRUCK-HERBICIDE-2000	1	42.01	0.39		\$24.79		
9/26/2016	72193	1130	GUTHERY THOMAS	1	15.66	0.36	\$1.64			
9/26/2016	72193	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road Id - 00049- LAKE HARDEN RD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/21/2016	72060	1130	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
4/21/2016	72060	1013	TRUCK-HERBICIDE-2000	1	42.01	0.66		\$27.73		
9/15/2016	72183	1130	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/15/2016	72183	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 00053- LAKE MARY LOUISE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/21/2016	72060	1130	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
4/21/2016	72060	1013	TRUCK-HERBICIDE-2000	1	42.01	0.66		\$27.73		
10/8/2016	72140	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
10/8/2016	72140	0814	PICKUP	1	18.07	1.00		\$18.07		
10/8/2016	72140	1130	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
9/1/2016	72171	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	72171	1130	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/15/2016	72183	1130	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/15/2016	72183	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 00070 - LAKESHORE DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/20/2016	72059	1198	TALTON STEVEN W	I	18.22	0.55	\$10.03			
4/20/2016	72059	1012	TRUCK-HERBICIDE	I	42.01	0.55		\$23.11		
Road Id - 00071 - LAKEVIEW DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/29/2016	72116	1198	TALTON STEVEN W	I	18.22	0.59	\$10.75			
6/29/2016	72116	1012	TRUCK-HERBICIDE	I	42.01	0.59		\$24.79		
8/16/2016	72116	1198	TALTON STEVEN W	I	18.22	0.67	\$12.21			
8/16/2016	72116	0814	PICKUP	I	18.07	0.67		\$12.11		
8/16/2016	72116	1530	GUTHERY THOMAS	I	15.66	0.67	\$10.50			
Road Id - 00081 - LAMAR WHITE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
9/22/2016	72190	1198	TALTON STEVEN W	I	18.22	0.55	\$10.03			
9/22/2016	72190	1012	TRUCK-HERBICIDE	I	39.52	0.55		\$21.74		
Road Id - 00090 - LAWSON GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
5/11/2016	72076	1198	TALTON STEVEN W	I	18.22	0.50	\$9.11			
5/11/2016	72076	0814	PICKUP	I	19.23	0.50		\$9.61		
5/11/2016	72076	1530	GUTHERY THOMAS	I	15.66	0.50	\$7.83			
6/25/2016	72111	1198	TALTON STEVEN W	I	18.22	0.50	\$9.11			
6/25/2016	72111	1012	TRUCK-HERBICIDE	I	42.01	0.50		\$21.01		
8/06/2016	72156	1198	TALTON STEVEN W	I	18.22	0.67	\$12.21			
8/06/2016	72156	0814	PICKUP	I	18.07	0.67		\$12.11		
8/06/2016	72156	1530	GUTHERY THOMAS	I	15.66	0.67	\$10.50			
9/26/2016	72195	1198	TALTON STEVEN W	I	18.22	0.66	\$12.03			
9/26/2016	72195	1012	TRUCK-HERBICIDE	I	39.52	0.66		\$26.09		
Road Id - 00098 - LAY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/19/2016	72132	1530	GUTHERY THOMAS	I	15.66	0.38	\$5.96			
7/19/2016	72132	1013	TRUCK-HERBICIDE-2000	I	39.52	0.38		\$15.02		
Road Id - 00099 - LAY SPRINGS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/21/2016	72060	1530	GUTHERY THOMAS	I	15.66	0.76	\$11.91			
4/21/2016	72060	1013	TRUCK-HERBICIDE-2000	I	42.01	0.76		\$31.93		
4/21/2016	72060	2000	WATER	GAL	0.00	1,000.00			\$0.00	
4/21/2016	72060	0911	HERBICIDE-3,4 D AMINE	GALLON	14.13	11.25			\$158.97	
4/21/2016	72060	0936	HERBICIDE-SULFOMET	LB	28.05	0.94			\$26.30	
4/21/2016	72060	0928	HERBICIDE-GROUND ZERO	PINT	8.71	1.00			\$8.71	
6/7/2016	72097	1530	GUTHERY THOMAS	I	15.66	0.53	\$8.30			
6/7/2016	72097	1013	TRUCK-HERBICIDE-2000	I	42.01	0.53		\$22.27		
7/28/2016	72140	1198	TALTON STEVEN W	I	18.22	1.00	\$18.22			
7/28/2016	72140	0814	PICKUP	I	18.07	1.00		\$18.07		
7/28/2016	72140	2000	WATER	GAL	0.00	50.00			\$0.00	
7/28/2016	72140	1530	GUTHERY THOMAS	I	15.66	1.00	\$15.66			
8/1/2016	72171	1198	TALTON STEVEN W	I	18.22	0.43	\$7.84			
8/1/2016	72171	0814	PICKUP	I	18.07	0.43		\$7.74		
8/1/2016	72171	1530	GUTHERY THOMAS	I	15.66	0.43	\$6.74			
9/14/2016	72182	1530	GUTHERY THOMAS	I	15.66	0.71	\$11.12			
9/14/2016	72182	1013	TRUCK-HERBICIDE-2000	I	39.52	0.71		\$28.06		
9/15/2016	72183	1530	GUTHERY THOMAS	I	15.66	0.50	\$7.83			
9/15/2016	72183	1013	TRUCK-HERBICIDE-2000	I	39.52	0.50		\$19.76		

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Project Id - 28-018-100 HERBICIDE PROGRAM										
Road Id - 000912- LEBANON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/23/2016	72114	1330	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
6/27/2016	72114	1013	TRUCK-HERBICIDE-2000	1	42.01	0.59		\$24.79		
9/26/2016	72195	1330	GUTHERY THOMAS	1	15.66	0.36	\$5.64			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road Id - 000916- LEE DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
4/18/2016	72057	1398	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/18/2016	72057	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
9/23/2016	72196	1398	TALTON STEVEN W	1	18.22	0.45	\$8.20			
9/23/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.45		\$17.79		
Road Id - 000918- LEE BOLCOMB ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
5/11/2016	72076	1398	TALTON STEVEN W	1	18.22	0.50	\$9.11			
5/11/2016	72076	0814	PICKUP	1	19.21	0.50		\$9.61		
5/11/2016	72076	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
6/22/2016	72119	1398	TALTON STEVEN W	1	18.22	0.91	\$16.59			
6/22/2016	72119	1012	TRUCK-HERBICIDE	1	42.01	0.91		\$38.23		
8/15/2016	72155	1398	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/15/2016	72155	0814	PICKUP	1	18.07	0.77		\$13.82		
8/15/2016	72155	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/21/2016	72189	1398	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/21/2016	72189	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road Id - 000919- LEE AVENUE										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
4/26/2016	72063	1398	TALTON STEVEN W	1	18.22	0.50	\$9.11			
4/26/2016	72063	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.61		
Road Id - 000920- LEE STREET										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
3/19/2016	72132	1398	TALTON STEVEN W	1	18.22	0.36	\$6.56			
3/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
Road Id - 000922- LEES ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/24/2016	72112	1398	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/24/2016	72112	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.61		
Road Id - 000923- LEETH GAP CUTOFF ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/14/2016	72103	1398	TALTON STEVEN W	1	18.22	0.58	\$10.57			
6/14/2016	72103	1012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
6/15/2016	72104	1398	TALTON STEVEN W	1	18.22	0.54	\$9.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.54		\$22.69		
6/15/2016	72104	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	7.50			\$160.93	
6/15/2016	72104	0914	HERBICIDE-DURON 4L, GALLON		18.00	7.50			\$135.00	
6/15/2016	72104	0928	HERBICIDE-GROUND ZERO PENT		8.71	1.00			\$8.71	
6/15/2016	72104	2000	WATER GAL		0.00	1,000.00			\$0.00	
9/22/2016	72190	1398	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/22/2016	72190	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.34		
Road Id - 000924- LEETH GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										

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Date	BJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqp Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000924- LEEETHI GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
5/30/2016	72075	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
5/30/2016	72075	0814	PICKUP	1	19.21	1.50		\$28.82		
5/30/2016	72075	1530	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
6/3/2016	72094	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/3/2016	72094	0814	PICKUP	1	19.21	0.50		\$9.61		
6/3/2016	72094	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	1.00			\$32.99	
6/3/2016	72094	0911	HERBICIDE-2,4 D AMINE	GALLON	14.13	1.00			\$14.13	
6/3/2016	72094	2000	WATER	GAL	0.00	50.00			\$0.00	
6/3/2016	72094	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
6/7/2016	72097	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/7/2016	72097	0012	TRUCK-HERBICIDE	1	42.01	1.00		\$42.01		
6/14/2016	72180	1198	TALTON STEVEN W	1	18.22	0.58	\$10.57			
6/14/2016	72103	0012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
8/2/2016	72144	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
8/2/2016	72144	0814	PICKUP	1	18.07	0.50		\$9.04		
8/2/2016	72144	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/12/2016	72180	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/12/2016	72180	0012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
9/23/2016	72191	1198	TALTON STEVEN W	2	26.45	0.48	\$12.70			
9/23/2016	72191	0012	TRUCK-HERBICIDE	1	39.52	0.48		\$18.97		
9/23/2016	72191	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	15.00			\$494.85	
9/23/2016	72191	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
9/23/2016	72191	2000	WATER	GAL	0.00	1,000.00			\$0.00	
Road Id - 000927- LEMONS HOLLOW ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/25/2016	72062	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
4/25/2016	72062	0012	TRUCK-HERBICIDE	1	42.01	0.45		\$18.91		
3/26/2016	72138	1198	TALTON STEVEN W	1	18.22	0.91	\$16.59			
3/26/2016	72138	0012	TRUCK-HERBICIDE	1	39.52	0.91		\$35.97		
8/23/2016	72162	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
8/23/2016	72162	0814	PICKUP	1	18.07	0.52		\$9.40		
8/23/2016	72162	1530	GUTHERY THOMAS	1	15.66	0.52	\$8.13			
Road Id - 000941- LEWIS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/18/2016	72057	1530	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	0013	TRUCK-HERBICIDE-2000	1	42.01	0.41		\$17.23		
3/18/2016	72131	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
3/18/2016	72131	0013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
9/23/2016	72191	1530	GUTHERY THOMAS	2	22.81	0.45	\$10.27			
9/23/2016	72191	0013	TRUCK-HERBICIDE-2000	1	39.52	0.45		\$17.79		
Road Id - 000943- LIBERTY HILL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/14/2016	72180	1198	TALTON STEVEN W	1	18.22	0.58	\$10.57			
6/14/2016	72103	0012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
9/22/2016	72190	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/22/2016	72190	0012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road Id - 000945- LIGHTSEY DR										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/14/2016	72180	1198	TALTON STEVEN W	1	18.22	0.58	\$10.57			
6/14/2016	72103	0012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
Road Id - 000947- LILLIAN AVENUE										

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 000947- LILLIAN AVENUE										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
3/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.56			
3/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
Road Id - 000958- LIPSCOMB DR										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/24/2016	72112	1330	GUTHERY THOMAS	2	22.81	0.52	\$11.87			
6/24/2016	72112	1013	TRUCK-HERBICIDE-2000	1	42.01	0.52		\$21.85		
Road Id - 000959- LIPSCOMB ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/13/2016	72102	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/13/2016	72102	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
9/23/2016	72199	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/23/2016	72199	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road Id - 000960- LISA LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/19/2016	72058	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72058	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
Road Id - 000965- LITTLE COVE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/11/2016	72076	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
3/11/2016	72076	0814	PICKUP	1	19.23	0.50		\$9.61		
3/11/2016	72076	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
8/17/2016	72157	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/17/2016	72157	0814	PICKUP	1	18.07	0.77		\$13.92		
8/17/2016	72157	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
Road Id - 000966- FITZHUGH-MEEKS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/19/2016	72058	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72058	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
Road Id - 000967- LITTLE TURKEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/19/2016	72132	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
3/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
3/19/2016	72132	2000	WATER	GAL	0.00	2,000.00			\$0.00	
3/19/2016	72132	0910	HERBICIDE-MSMA (TARGET	GALLON	21.46	15.00			\$321.90	
3/19/2016	72132	0916	HERBICIDE-COLORON 4L	GALLON	18.00	15.00			\$270.00	
3/19/2016	72132	0928	HERBICIDE-GROUND ZERO	PINT	8.71	2.00			\$17.42	
3/19/2016	72132	0933	HERBICIDE-FOAM BUSTER	QT	11.30	0.25			\$2.83	
Road Id - 000968- LITTLE WILLS VALLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.56			
3/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
9/28/2016	72188	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
9/28/2016	72188	0814	PICKUP	1	18.07	1.50		\$27.11		
9/28/2016	72188	1330	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
Road Id - 000969- LITTLETON CUT OFF ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/30/2016	72100	1198	TALTON STEVEN W	2	26.45	0.33	\$14.02			

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 00068- LITTLETON CUT OFF ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/10/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.53		\$22.27		
Road Id - 00070- LITTLETON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
5/12/2016	72077	1198	TALTON STEVEN W	1	18.22	0.65	\$11.85			
5/12/2016	72077	0815	PICKUP	1	19.21	0.65		\$12.49		
5/12/2016	72077	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	1.00			\$32.99	
5/12/2016	72077	0901	HERBICIDE-2,4 D AMINE	GALLON	14.13	1.00			\$14.13	
5/12/2016	72077	2000	WATER	GAL	0.00	50.00			\$0.00	
5/12/2016	72077	1330	GUTHERY THOMAS	1	15.66	0.65	\$10.18			
6/10/2016	72100	1198	TALTON STEVEN W	2	26.45	0.53	\$14.02			
6/10/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.53		\$22.27		
8/1/2016	72143	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
8/1/2016	72143	0814	PICKUP	1	18.07	1.00		\$18.07		
8/1/2016	72143	1330	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
9/21/2016	72189	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
9/21/2016	72189	1012	TRUCK-HERBICIDE	1	39.52	0.76		\$30.04		
9/21/2016	72189	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	15.00			\$494.85	
9/21/2016	72189	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
9/21/2016	72189	2000	WATER	GAL	0.00	1,000.00			\$0.00	
Road Id - 00076- LONGVIEW DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District -2										
3/19/2016	72132	1330	GUTHERY THOMAS	1	15.66	0.38	\$5.96			
3/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
9/27/2016	72196	1330	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/27/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road Id - 00077- LONG ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -1										
3/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.56			
3/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
8/24/2016	72163	1198	TALTON STEVEN W	1	18.22	0.67	\$12.31			
8/24/2016	72163	0814	PICKUP	1	18.07	0.67		\$12.11		
8/24/2016	72163	1330	GUTHERY THOMAS	1	15.66	0.67	\$10.50			
Road Id - 00080- LOUIE DUNN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -1										
4/20/2016	72059	1330	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/20/2016	72059	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
3/26/2016	72138	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
3/26/2016	72138	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
Road Id - 00084- LOUISE CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District -2										
3/19/2016	72132	1330	GUTHERY THOMAS	1	15.66	0.38	\$5.96			
3/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$13.02		
9/27/2016	72196	1330	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/27/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road Id - 00090- LUCKIE MOUNTAIN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
4/18/2016	72057	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/18/2016	72057	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
6/8/2016	72008	1198	TALTON STEVEN W	1	18.22	0.91	\$16.59			

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Date	DI Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28408-HERBICIDE PROGRAM										
Road Id - 000990- LUCKIE MOUNTAIN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/8/2016	72098	1012	TRUCK-HERBICIDE	1	42.01	0.91		\$38.23		
9/27/2016	72196	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/27/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
9/27/2016	72196	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	13.00			\$494.85	
9/27/2016	72196	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
9/27/2016	72196	2000	WATER	GAL	0.00	1,000.00			\$0.00	
Road Id - 000994- LUTES SHURLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
4/26/2016	72063	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
4/26/2016	72063	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.00		
4/26/2016	72063	0911	HERBICIDE-2,4 D AMINE	GALLON	14.13	11.00			\$155.43	
4/26/2016	72063	0936	HERBICIDE-SULFOMET	LB	28.05	0.94			\$26.33	
4/26/2016	72063	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
4/26/2016	72063	2000	WATER	GAL	0.00	1,000.00			\$0.00	
7/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
8/31/2016	72169	1198	TALTON STEVEN W	1	18.22	0.65	\$11.85			
8/31/2016	72169	0814	PICKUP	1	18.07	0.65		\$11.75		
8/31/2016	72169	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	1.50			\$49.49	
8/31/2016	72169	0910	HERBICIDE-ASMA (TARGET	GALLON	21.46	1.50			\$32.19	
8/31/2016	72169	2000	WATER	GAL	0.00	71.00			\$0.00	
8/31/2016	72169	1130	GUTHERY THOMAS	1	15.66	0.65	\$10.18			
Road Id - 000998- MACEDONIA ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
6/28/2016	72113	1198	TALTON STEVEN W	1	18.22	0.59	\$10.75			
6/28/2016	72113	0814	PICKUP	1	19.21	0.59		\$11.34		
6/28/2016	72113	1130	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
7/19/2016	72132	1130	GUTHERY THOMAS	1	15.66	0.38	\$5.96			
7/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
9/21/2016	72196	1130	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/21/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road Id - 001010- MANN DR										
Activity Id - 401 Herbicide Treatment										
Road District -2										
6/28/2016	72113	1198	TALTON STEVEN W	1	18.22	0.59	\$10.75			
6/28/2016	72113	0814	PICKUP	1	19.21	0.59		\$11.34		
6/28/2016	72113	1130	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
9/1/2016	72171	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	72171	1130	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
Road Id - 001013- MAPLE DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District -4										
7/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 001015- MAPLE LANE										
Activity Id - 401 Herbicide Treatment										
Road District -4										
4/19/2016	72058	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72058	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
Road Id - 001019- MAPLE WOOD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										

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Project Id - 25-015-HERBICIDE PROGRAM										
Road Id - 001019- MAPLE WOOD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
4/23/2016	72062	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
4/25/2016	72062	0012	TRUCK-HERBICIDE	1	42.01	0.45		\$18.90		
7/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	0012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 001028- MARIE DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/20/2016	72009	1130	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/20/2016	72009	0013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
6/2/2016	72003	1130	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
6/2/2016	72003	0013	TRUCK-HERBICIDE-2000	1	42.01	1.00		\$42.01		
9/19/2016	72187	1130	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/19/2016	72187	0013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
Road Id - 001030- MARK WHITT ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/3/2016	72094	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/3/2016	72094	0014	PICKUP	1	19.21	1.00		\$19.21		
6/3/2016	72094	1130	GUTHERY THOMAS	2	22.81	1.00	\$22.81			
6/15/2016	72104	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
6/15/2016	72104	0012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.07		
8/2/2016	72144	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
8/2/2016	72144	0014	PICKUP	1	18.07	0.50		\$9.04		
8/2/2016	72144	1130	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
Road Id - 001037- MARTIN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/1/2016	72092	1130	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	0013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
9/21/2016	72189	1130	GUTHERY THOMAS	1	15.66	0.36	\$11.91			
9/21/2016	72189	0013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$30.04		
Road Id - 001041- MARY ELIZABETH LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/23/2016	72111	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/23/2016	72111	0012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
Road Id - 001045- MATT SMITH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
4/20/2016	72009	1130	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/20/2016	72009	0013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
5/3/2016	72069	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
5/3/2016	72069	0014	PICKUP	1	19.21	0.76		\$14.60		
5/3/2016	72069	1130	GUTHERY THOMAS	1	15.66	0.76	\$11.91			
7/26/2016	72138	1130	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
7/26/2016	72138	0013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.64		
8/24/2016	72163	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/24/2016	72163	0014	PICKUP	1	18.07	0.67		\$12.11		
8/24/2016	72163	1130	GUTHERY THOMAS	1	15.66	0.67	\$10.50			
Road Id - 001050- MAYO ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/12/2016	72077	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
5/12/2016	72077	0015	PICKUP	1	19.21	0.55		\$10.57		
5/12/2016	72077	1130	GUTHERY THOMAS	1	15.66	0.55	\$8.62			

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Date	DFM	M	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-14HERBICIDE PROGRAM										
Road Id - 001050- MAYO ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
8/18/2016	72158	1798	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	1530	GUTHRY THOMAS	1	15.66	0.50	\$7.83			
Road Id - 001051- MAYO ROAD SOUTH										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/12/2016	72077	1798	TALTON STEVEN W	1	18.22	0.55	\$10.03			
5/12/2016	72077	0815	PICKUP	1	19.23	0.55		\$10.57		
5/12/2016	72077	1530	GUTHRY THOMAS	1	15.66	0.55	\$8.62			
8/18/2016	72158	1798	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	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	2.00			\$65.98	
8/18/2016	72158	0910	HERBICIDE-AMMA (TARGET	GALLON	21.46	2.00			\$42.92	
8/18/2016	72158	2000	WATER	GAL	0.00	100.00			\$0.00	
8/18/2016	72158	1530	GUTHRY THOMAS	1	15.66	0.50	\$7.83			
Road Id - 001052- MCDRAVER LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
9/2/2016	72172	1798	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/2/2016	72172	0814	PICKUP	1	18.07	0.71		\$12.83		
9/2/2016	72172	1530	GUTHRY THOMAS	2	22.81	0.71	\$16.20			
Road Id - 001053- MCCARVER DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/1/2016	72092	1530	GUTHRY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
9/23/2016	72189	1530	GUTHRY THOMAS	1	15.66	0.77	\$12.06			
9/23/2016	72189	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
Road Id - 001055- MCCLAIN AVENUE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/1/2016	72092	1530	GUTHRY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
10/09/2016	72133	1798	TALTON STEVEN W	1	18.22	1.50	\$27.33			
10/09/2016	72133	0814	PICKUP	1	18.07	1.50		\$27.11		
10/09/2016	72133	1530	GUTHRY THOMAS	1	15.66	1.50	\$23.49			
9/2/2016	72172	1798	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/2/2016	72172	0814	PICKUP	1	18.07	0.71		\$12.83		
9/2/2016	72172	1530	GUTHRY THOMAS	2	22.81	0.71	\$16.30			
9/23/2016	72191	1530	GUTHRY THOMAS	2	22.81	0.45	\$10.27			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.45		\$17.79		
Road Id - 001056- MCCLENDON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/8/2016	72098	1798	TALTON STEVEN W	1	18.22	0.91	\$16.39			
6/8/2016	72098	1012	TRUCK-HERBICIDE	1	42.01	0.91		\$38.23		
9/14/2016	72182	1798	TALTON STEVEN W	1	18.22	0.77	\$14.03			
9/14/2016	72182	1012	TRUCK-HERBICIDE	1	39.52	0.77		\$30.44		
Road Id - 001058- MCCLLOUD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
1/18/2016	72131	1530	GUTHRY THOMAS	1	15.66	0.66	\$10.34			
1/18/2016	72131	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
9/2/2016	72172	1798	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/2/2016	72172	0814	PICKUP	1	18.07	0.71		\$12.83		

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Date	DI Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-14HERBICIDE PROGRAM										
Road Id - 000058- MC CLOUD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
9/2/2016	72172	1530	GUTHERY THOMAS	2	22.81	0.71	\$16.20			
9/15/2016	72183	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/15/2016	72183	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 000059- MCCLANEY STREET										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
8/24/2016	72163	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/24/2016	72163	0814	PICKUP	1	18.97	0.67		\$12.11		
8/24/2016	72163	1530	GUTHERY THOMAS	1	15.66	0.67	\$10.50			
Road Id - 001061- MCCORMICK LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
9/9/2016	72187	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/9/2016	72187	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 001062- MCCOURT ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/24/2016	72112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/24/2016	72112	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
8/18/2016	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	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/16/2016	72184	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/16/2016	72184	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 001063- MCCOY LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
5/4/2016	72070	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
5/4/2016	72070	0814	PICKUP	1	19.21	1.00		\$19.21		
5/4/2016	72070	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
6/1/2016	72092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
Road Id - 001066- MCCURLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
8/18/2016	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	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
Road Id - 001076- MCWHORTER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/27/2016	72114	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
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			
9/19/2016	72187	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 001079- MEADOW LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/29/2016	72116	1198	TALTON STEVEN W	1	18.22	0.59	\$10.75			
6/29/2016	72116	1012	TRUCK-HERBICIDE	1	42.01	0.59		\$24.79		
8/16/2016	72156	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/16/2016	72156	0814	PICKUP	1	18.97	0.67		\$12.11		
8/16/2016	72156	1530	GUTHERY THOMAS	1	15.66	0.67	\$10.50			
Road Id - 001087- MEANS ROAD										
Activity Id - 401 Herbicide Treatment										

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Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 001087- MEANS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/21/2016	72060	1330	GUTHERY THOMAS	I	15.66	0.66	\$10.34			
4/21/2016	72060	1013	TRUCK-HERBICIDE-2000	I	42.01	0.66		\$27.73		
5/2/2016	72068	1198	TALTON STEVEN W	I	18.22	1.00	\$18.22			
5/2/2016	72068	0814	PICKUP	I	19.21	1.00		\$19.21		
5/2/2016	72068	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	0.75			\$24.73	
5/2/2016	72068	0912	HERBICIDE-ROUNDUPGLY	GALLON	14.49	0.50			\$7.25	
5/2/2016	72068	0910	HERBICIDE-MSMA (TARGET	GALLON	21.46	1.23			\$26.83	
5/2/2016	72068	2000	WATER	GAL	0.00	90.00			\$0.00	
5/2/2016	72068	1530	GUTHERY THOMAS	I	15.66	1.00	\$15.66			
9/15/2016	72183	1530	GUTHERY THOMAS	I	15.66	0.50	\$7.83			
9/15/2016	72183	1013	TRUCK-HERBICIDE-2000	I	39.52	0.50		\$19.76		
9/29/2016	72188	1198	TALTON STEVEN W	I	18.22	1.00	\$18.22			
9/29/2016	72188	0814	PICKUP	I	18.07	1.00		\$18.07		
9/29/2016	72188	1530	GUTHERY THOMAS	I	15.66	1.00	\$15.66			
Road Id - 001088- MEENS DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/21/2016	72109	1198	TALTON STEVEN W	I	18.22	0.55	\$10.03			
6/21/2016	72109	1012	TRUCK-HERBICIDE	I	42.01	0.55		\$23.11		
8/10/2016	72151	1198	TALTON STEVEN W	I	18.22	0.66	\$12.03			
8/10/2016	72151	0814	PICKUP	I	18.07	0.66		\$11.93		
8/10/2016	72151	1530	GUTHERY THOMAS	I	15.66	0.66	\$10.34			
9/26/2016	72195	1198	TALTON STEVEN W	I	18.22	0.66	\$12.03			
9/26/2016	72195	1012	TRUCK-HERBICIDE	I	39.52	0.66		\$26.09		
Road Id - 001094- MILL HILL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
5/19/2016	72075	1198	TALTON STEVEN W	I	18.22	1.50	\$27.33			
5/19/2016	72075	0814	PICKUP	I	19.21	1.50		\$28.82		
5/19/2016	72075	1530	GUTHERY THOMAS	I	15.66	1.50	\$23.49			
6/8/2016	72098	1198	TALTON STEVEN W	I	18.22	0.91	\$16.59			
6/8/2016	72098	1012	TRUCK-HERBICIDE	I	42.01	0.91		\$38.23		
8/1/2016	72143	1198	TALTON STEVEN W	I	18.22	1.00	\$18.22			
8/1/2016	72143	0814	PICKUP	I	18.07	1.00		\$18.07		
8/1/2016	72143	1530	GUTHERY THOMAS	I	15.66	1.00	\$15.66			
9/8/2016	72177	1198	TALTON STEVEN W	I	18.22	1.00	\$18.22			
9/8/2016	72177	1012	TRUCK-HERBICIDE	I	39.52	1.00		\$39.52		
Road Id - 001096- MILLER HOLLOW ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/26/2016	72063	1198	TALTON STEVEN W	I	18.22	0.50	\$9.11			
4/26/2016	72063	1012	TRUCK-HERBICIDE	I	42.01	0.50		\$21.01		
3/26/2016	72138	1198	TALTON STEVEN W	I	18.22	0.91	\$16.59			
3/26/2016	72138	1012	TRUCK-HERBICIDE	I	39.52	0.91		\$35.97		
8/23/2016	72162	1198	TALTON STEVEN W	I	18.22	0.52	\$9.48			
8/23/2016	72162	0814	PICKUP	I	18.07	0.52		\$9.40		
8/23/2016	72162	1530	GUTHERY THOMAS	I	15.66	0.52	\$8.15			
Road Id - 001097- MILLER LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
8/18/2016	72158	1198	TALTON STEVEN W	I	18.22	0.50	\$9.11			
8/18/2016	72158	0814	PICKUP	I	18.07	0.50		\$9.04		
8/18/2016	72158	1530	GUTHERY THOMAS	I	15.66	0.50	\$7.83			
Road Id - 001098- MILLER ROAD										
Activity Id - 401 Herbicide Treatment										

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Project Id - 28-008-HERBICIDE PROGRAM										
Road Id - 001098- MILLER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/20/2016	72009	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
4/20/2016	72059	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
Road Id - 002002- MINNOSIA STREET										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
4/26/2016	72063	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
4/26/2016	72063	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
7/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.56			
7/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
Road Id - 002003- MENE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
7/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.56			
7/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
Road Id - 002004- MINNESOTA BEND TRAIL										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/20/2016	72059	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
4/20/2016	72059	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
Road Id - 002005- MENSHEW DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
8/10/2016	72151	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
8/10/2016	72151	0814	PICKUP	1	18.07	0.66		\$11.93		
8/10/2016	72151	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/28/2016	72197	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/28/2016	72197	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road Id - 002013- MEZELL CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
5/11/2016	72076	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
5/11/2016	72076	0814	PICKUP	1	19.21	0.50		\$9.61		
5/11/2016	72076	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
6/23/2016	72111	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/23/2016	72111	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
8/17/2016	72157	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/17/2016	72157	0814	PICKUP	1	18.07	0.77		\$13.92		
8/17/2016	72157	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/26/2016	72195	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/26/2016	72195	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road Id - 002014- MOCKINGBIRD STREET										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/19/2016	72132	1530	GUTHERY THOMAS	1	15.66	0.38	\$5.96			
7/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
9/27/2016	72196	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/27/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road Id - 002014- MOLLY LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/19/2016	72132	1530	GUTHERY THOMAS	1	15.66	0.38	\$5.96			
7/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
9/27/2016	72196	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/27/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road Id - 002021- MOODYS CHAPEL ROAD										

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Project Id - 28-008-HERBICIDE PROGRAM										
Road Id - 002021- MOODYS CHAPEL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/16/2016	72080	1198	TALTON STEVEN W	1	18.22	0.83	\$15.13			
5/16/2016	72080	0814	PICKUP	1	19.21	0.83		\$15.95		
5/16/2016	72080	1530	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
6/9/2016	72123	1198	TALTON STEVEN W	1	18.22	0.90	\$16.40			
6/9/2016	72123	1012	TRUCK-HERBICIDE	1	42.01	0.90		\$37.81		
6/9/2016	72123	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	13.00			\$321.90	
6/9/2016	72123	0916	HERBICIDE-DURON 4L GALLON		18.00	13.00			\$270.00	
6/9/2016	72123	0928	HERBICIDE-GROUND ZERO PNT		8.71	1.00			\$8.71	
6/9/2016	72123	2000	WATER GAL		0.00	1,000.00			\$0.00	
8/18/2016	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	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/17/2016	72185	1198	TALTON STEVEN W	2	26.45	1.00	\$52.90			
9/17/2016	72185	1012	TRUCK-HERBICIDE	1	39.52	1.00		\$79.04		
9/17/2016	72185	0921	HERBICIDE-GARLON 3-A GALLON		56.88	13.00			\$847.20	
9/17/2016	72185	0928	HERBICIDE-GROUND ZERO PNT		8.48	1.00			\$8.48	
9/17/2016	72185	2000	WATER GAL		0.00	1,000.00			\$0.00	
Road Id - 002022- MOON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/21/2016	72060	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
4/21/2016	72060	1013	TRUCK-HERBICIDE-2000	1	42.01	0.66		\$27.73		
7/28/2016	72140	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
7/28/2016	72140	0814	PICKUP	1	18.07	1.00		\$18.07		
7/28/2016	72140	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
9/15/2016	72183	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/15/2016	72183	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 002027- MORGAN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
4/18/2016	72057	1530	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.41		\$17.23		
9/23/2016	72191	1530	GUTHERY THOMAS	2	22.81	0.45	\$10.23			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.45		\$17.79		
Road Id - 002036- MUDLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/19/2016	72058	1530	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/19/2016	72058	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
7/22/2016	72135	1530	GUTHERY THOMAS	2	22.81	0.59	\$13.46			
7/22/2016	72135	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
Road Id - 002041- MOUNTAIN MEADOW DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
4/20/2016	72059	1530	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/20/2016	72059	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
7/26/2016	72138	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
7/26/2016	72138	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
Road Id - 002042- MOUNTAIN PASS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
4/20/2016	72059	1530	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/20/2016	72059	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
5/3/2016	72069	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
5/3/2016	72069	0814	PICKUP	1	19.21	0.76		\$14.60		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-013-18000-HERBICIDE PROGRAM										
Road Id - 002042- MOUNTAIN PASS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
5/3/2016	72069	1330	GUTHERY THOMAS	1	15.66	0.76	\$11.91			
7/26/2016	72138	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
7/26/2016	72138	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
8/24/2016	72163	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/24/2016	72163	0814	PICKUP	1	18.07	0.67		\$12.11		
8/24/2016	72163	1330	GUTHERY THOMAS	1	15.66	0.67	\$10.50			
Road Id - 002043- MOUNTAIN RIDGE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/16/2016	72080	1198	TALTON STEVEN W	1	18.22	0.83	\$15.13			
3/16/2016	72080	0814	PICKUP	1	19.21	0.83		\$15.95		
3/16/2016	72080	1330	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
6/30/2016	72123	1198	TALTON STEVEN W	1	18.22	0.50	\$12.76			
6/30/2016	72123	1013	TRUCK-HERBICIDE	1	42.01	0.70		\$29.41		
8/18/2016	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	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/13/2016	72181	1198	TALTON STEVEN W	2	26.45	1.00	\$26.45			
9/13/2016	72181	1013	TRUCK-HERBICIDE	1	39.52	1.00		\$39.52		
Road Id - 002046- MOUNTAIN VIEW DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/16/2016	72105	1198	TALTON STEVEN W	1	18.22	0.58	\$10.57			
6/16/2016	72105	1013	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
Road Id - 002047- MOUNTAIN VIEW DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
3/16/2016	72080	1198	TALTON STEVEN W	1	18.22	0.83	\$15.13			
3/16/2016	72080	0814	PICKUP	1	19.21	0.83		\$15.95		
3/16/2016	72080	1330	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
Road Id - 002048- MOUNTAINBORO ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/30/2016	72108	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
6/30/2016	72108	1013	TRUCK-HERBICIDE	1	42.01	0.76		\$31.83		
8/16/2016	72156	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/16/2016	72156	0814	PICKUP	1	18.07	0.67		\$12.11		
8/16/2016	72156	1330	GUTHERY THOMAS	1	15.66	0.67	\$10.50			
9/26/2016	72195	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/26/2016	72195	1013	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road Id - 002050- MT. PISGAH RD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/8/2016	72098	1330	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
6/8/2016	72098	1013	TRUCK-HERBICIDE-2000	1	42.01	0.71		\$29.83		
8/31/2016	72169	1198	TALTON STEVEN W	1	18.22	0.55	\$10.83			
8/31/2016	72169	0814	PICKUP	1	18.07	0.55		\$9.94		
8/31/2016	72169	1330	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
9/13/2016	72181	1330	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
9/13/2016	72181	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
Road Id - 002051- MT. PLEASANT ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
3/11/2016	72076	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
3/11/2016	72076	0814	PICKUP	1	19.21	0.50		\$9.61		

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Date	DI	MI	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 002051- MT. PLEASANT ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
5/11/2016	72076	1130	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
6/21/2016	72109	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/21/2016	72109	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
8/10/2016	72151	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
8/10/2016	72151	0804	PICKUP	1	18.07	0.66		\$11.93		
8/10/2016	72151	1130	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/28/2016	72197	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/28/2016	72197	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road Id - 002052- MT. ZION RD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/19/2016	72132	1130	GUTHERY THOMAS	1	15.66	0.38	\$5.96			
7/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
Road Id - 002053- MOUNTAIN WAY										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
8/30/2016	72168	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
8/30/2016	72168	0804	PICKUP	1	18.07	0.71		\$12.83		
8/30/2016	72168	1130	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
Road Id - 002054- MURDOCK DR										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/23/2016	72111	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/23/2016	72111	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
9/26/2016	72195	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/26/2016	72195	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road Id - 002055- MURDOCK ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/7/2016	72097	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/7/2016	72097	1012	TRUCK-HERBICIDE	1	42.01	1.00		\$42.01		
9/14/2016	72182	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
9/14/2016	72182	1012	TRUCK-HERBICIDE	1	39.52	0.77		\$30.44		
Road Id - 002056- MURPHREE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/22/2016	72110	1198	TALTON STEVEN W	1	18.22	0.91	\$16.39			
6/22/2016	72110	1012	TRUCK-HERBICIDE	1	42.01	0.91		\$38.23		
8/15/2016	72155	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/15/2016	72155	0804	PICKUP	1	18.07	0.77		\$13.92		
8/15/2016	72155	1130	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/21/2016	72189	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/21/2016	72189	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road Id - 002057- MURPHREE VALLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/11/2016	72076	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
5/11/2016	72076	0804	PICKUP	1	18.21	0.50		\$9.01		
5/11/2016	72076	1130	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
Road Id - 002059- MYRICK LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/23/2016	72114	1130	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
6/23/2016	72114	1013	TRUCK-HERBICIDE-2000	1	42.01	0.59		\$24.79		
9/26/2016	72195	1130	GUTHERY THOMAS	1	15.66	0.36	\$5.64			

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Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 002059- MYRICK LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road Id - 002068- NAYLOR DR										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/13/2016	72102	1198	TALTON STEVEN W	1	18.22	0.53	\$10.93			
6/13/2016	72102	1012	TRUCK-HERBICIDE	1	42.01	0.53		\$23.11		
9/15/2016	72183	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
9/15/2016	72183	1012	TRUCK-HERBICIDE	1	39.52	1.50		\$59.28		
Road Id - 002076- NEW HOME ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/23/2016	72114	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/23/2016	72114	1012	TRUCK-HERBICIDE	1	42.01	1.00		\$42.01		
8/23/2016	72162	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
8/23/2016	72162	0814	PICKUP	1	18.07	0.52		\$9.40		
8/23/2016	72162	1330	GUTHERY THOMAS	1	15.66	0.52	\$8.15			
9/19/2016	72187	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/19/2016	72187	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 002077- NEW HOPE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
4/6/2016	72046	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
4/6/2016	72046	1012	TRUCK-HERBICIDE-2000	1	42.01	0.77		\$32.35		
7/21/2016	72134	1330	GUTHERY THOMAS	1	15.66	0.90	\$14.10			
7/21/2016	72134	1012	TRUCK-HERBICIDE-2000	1	39.52	0.90		\$35.57		
7/28/2016	72140	1330	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
7/28/2016	72140	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
7/28/2016	72140	0814	PICKUP	1	18.07	1.00		\$18.07		
8/25/2016	72164	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/25/2016	72164	0814	PICKUP	1	18.07	0.77		\$13.92		
8/25/2016	72164	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
Road Id - 002078- NEW WELCOME ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/29/2016	72108	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
6/29/2016	72108	1012	TRUCK-HERBICIDE	1	42.01	0.76		\$31.92		
8/10/2016	72151	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
8/10/2016	72151	0814	PICKUP	1	18.07	0.66		\$11.92		
8/10/2016	72151	1330	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
Road Id - 002081- NICHOLS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/16/2016	72080	1198	TALTON STEVEN W	1	18.22	0.83	\$15.13			
5/16/2016	72080	0814	PICKUP	1	18.21	0.83		\$15.95		
5/16/2016	72080	1330	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
6/24/2016	72112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/24/2016	72112	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
8/22/2016	72161	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
8/22/2016	72161	0814	PICKUP	1	18.07	1.00		\$18.07		
8/22/2016	72161	1330	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
Road Id - 002083- NICOLE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
9/19/2016	72187	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/19/2016	72187	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		

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Project ID - 28-018-18HERBICIDE PROGRAM										
Road ID - 002086- NOBLE HILL ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
6/10/2016	72100	1198	TALTON STEVEN W	2	26.45	0.53	\$14.02			
6/10/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.53		\$22.27		
9/8/2016	72177	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
9/8/2016	72177	1012	TRUCK-HERBICIDE	1	39.52	0.50		\$19.76		
Road ID - 002087- NOBLE ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
6/7/2016	72097	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/7/2016	72097	1012	TRUCK-HERBICIDE	1	42.01	1.00		\$42.01		
9/12/2016	72180	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/12/2016	72180	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
9/15/2016	72183	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
9/15/2016	72183	1012	TRUCK-HERBICIDE	1	39.52	1.50		\$59.28		
Road ID - 002090- NOOJEN DRIVE										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
6/23/2016	72111	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/23/2016	72111	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
9/26/2016	72195	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/26/2016	72195	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road ID - 002092- NORMAN DRIVE										
Activity ID - 401 Herbicide Treatment										
Road District - 4										
4/25/2016	72062	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
4/25/2016	72062	1012	TRUCK-HERBICIDE	1	42.01	0.45		\$18.91		
6/30/2016	72123	1198	TALTON STEVEN W	1	18.22	0.70	\$12.76			
6/30/2016	72123	1012	TRUCK-HERBICIDE	1	42.01	0.70		\$29.41		
Road ID - 002095- NORTH OAK ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
6/1/2016	72092	1330	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
9/23/2016	72191	1330	GUTHERY THOMAS	2	22.81	0.45	\$10.27			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.45		\$17.79		
Road ID - 002096- NORTHSHORE DR										
Activity ID - 401 Herbicide Treatment										
Road District - 5										
6/1/2016	72092	1330	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
9/21/2016	72189	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/21/2016	72189	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
Road ID - 002097- NORTON HOMESTEAD ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
6/17/2016	72106	1198	TALTON STEVEN W	2	26.45	0.38	\$10.06			
6/17/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$15.97		
Road ID - 002104- OAK DRIVE										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
5/10/2016	72073	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
5/10/2016	72075	0814	PICKUP	1	19.21	1.50		\$28.82		
5/10/2016	72073	1330	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
8/2/2016	72144	1198	TALTON STEVEN W	1	18.22	0.58	\$9.11			
8/2/2016	72144	0814	PICKUP	1	18.07	0.58		\$9.04		
8/2/2016	72144	1330	GUTHERY THOMAS	1	15.66	0.58	\$7.81			

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Project ID - 28418-HERBICIDE PROGRAM										
Road ID - 002106- OAK GROVE ROAD										
Activity ID 401 Herbicide Treatment										
Road District -3										
6/10/2016	72100	1198	TALTON STEVEN W	2	26.45	0.55	\$14.02			
6/10/2016	72100	1002	TRUCK-HERBICIDE	1	42.01	0.55		\$22.27		
9/8/2016	72177	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
9/8/2016	72177	1002	TRUCK-HERBICIDE	1	39.52	1.00		\$39.52		
Road ID - 002112- OAKES ROAD										
Activity ID 401 Herbicide Treatment										
Road District -3										
6/21/2016	72109	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/21/2016	72109	1002	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
8/10/2016	72151	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
8/10/2016	72151	0824	PICKUP	1	18.07	0.66		\$11.93		
8/10/2016	72151	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/26/2016	72195	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/26/2016	72195	1002	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road ID - 002113- OAKLAND DRIVE										
Activity ID 401 Herbicide Treatment										
Road District -4										
4/20/2016	72059	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
4/20/2016	72059	1002	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
Road ID - 002115- OLD BAKER GAP ROAD										
Activity ID 401 Herbicide Treatment										
Road District -3										
6/23/2016	72111	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/23/2016	72111	1002	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
8/17/2016	72157	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/17/2016	72157	0824	PICKUP	1	18.07	0.77		\$13.92		
8/17/2016	72157	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/26/2016	72195	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/26/2016	72195	1002	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road ID - 002117- OLD CAMP ROAD										
Activity ID 401 Herbicide Treatment										
Road District -2										
4/21/2016	72060	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
4/21/2016	72060	1003	TRUCK-HERBICIDE-2000	1	42.01	0.66		\$27.73		
7/28/2016	72140	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
7/28/2016	72140	0824	PICKUP	1	18.07	1.00		\$18.07		
7/28/2016	72140	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
9/1/2016	72171	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
9/1/2016	72171	0824	PICKUP	1	18.07	0.43		\$7.78		
9/1/2016	72171	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/15/2016	72183	1530	GUTHERY THOMAS	1	15.66	0.58	\$7.83			
9/15/2016	72183	1003	TRUCK-HERBICIDE-2000	1	39.52	0.58		\$19.76		
Road ID - 002119- OLD GARDEN-CENTRE HWY										
Activity ID 401 Herbicide Treatment										
Road District -2										
6/24/2016	72112	1530	GUTHERY THOMAS	2	22.81	0.52	\$11.87			
6/24/2016	72112	1003	TRUCK-HERBICIDE-2000	1	42.01	0.52		\$21.85		
9/27/2016	72196	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/27/2016	72196	1003	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road ID - 002120- OLD GALLANT ROAD										
Activity ID 401 Herbicide Treatment										
Road District -4										
5/11/2016	72076	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
5/11/2016	72076	0824	PICKUP	1	19.21	0.50		\$9.61		
5/11/2016	72076	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 002122- OLD HICKORY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
7/27/2016	72139	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
7/27/2016	72139	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 002125- OLD MINK FARM ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/21/2016	72109	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/21/2016	72109	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
8/16/2016	72156	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/16/2016	72156	0814	PICKUP	1	18.07	0.67		\$12.11		
8/16/2016	72156	1530	GUTHERY THOMAS	1	15.66	0.67	\$10.50			
9/28/2016	72197	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/28/2016	72197	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road Id - 002128- OLD SHEFFIELD GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
4/18/2016	72057	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/18/2016	72057	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
6/13/2016	72106	1198	TALTON STEVEN W	2	26.45	0.38	\$10.06			
6/13/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$15.97		
9/27/2016	72196	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
9/27/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.45		\$17.79		
Road Id - 002129- OLD SEBERT MILL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -1										
4/20/2016	72059	1530	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/20/2016	72059	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
10/6/2016	72138	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
10/6/2016	72138	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
Road Id - 002130- OLD STYLES ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
7/18/2016	72131	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
7/18/2016	72131	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
9/15/2016	72183	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/15/2016	72183	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 002132- OLDFIELD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
6/27/2016	72114	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/27/2016	72114	1012	TRUCK-HERBICIDE	1	42.01	1.00		\$42.01		
8/23/2016	72162	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
8/23/2016	72162	0814	PICKUP	1	18.07	0.52		\$9.40		
8/23/2016	72162	1530	GUTHERY THOMAS	1	15.66	0.52	\$8.15			
9/19/2016	72187	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/19/2016	72187	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 002133- OLD FORD VALLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -1										
4/6/2016	72046	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
4/6/2016	72046	1013	TRUCK-HERBICIDE-2000	1	42.01	0.77		\$32.35		
5/3/2016	72069	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
5/3/2016	72069	0814	PICKUP	1	19.21	0.76		\$14.60		
5/3/2016	72069	1530	GUTHERY THOMAS	1	15.66	0.76	\$11.91			
10/1/2016	72134	1530	GUTHERY THOMAS	1	15.66	0.90	\$14.10			
10/1/2016	72134	1013	TRUCK-HERBICIDE-2000	1	39.52	0.90		\$35.37		

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 002133- OLD FORD VALLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
8/25/2016	72164	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/25/2016	72164	0814	PICKUP	1	18.07	0.77		\$13.92		
8/25/2016	72164	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
Road Id - 002134- OLIVER DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/18/2016	72057	1530	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.41		\$17.23		
6/24/2016	72112	1530	GUTHERY THOMAS	2	22.81	0.52	\$11.87			
6/24/2016	72112	1013	TRUCK-HERBICIDE-2000	1	42.01	0.52		\$21.85		
9/13/2016	72181	1530	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
9/13/2016	72181	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
Road Id - 002139- OTWAY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/15/2016	72104	1198	TALTON STEVEN W	1	18.22	0.43	\$7.94			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.07		
9/23/2016	72191	1198	TALTON STEVEN W	2	26.45	0.56	\$14.82			
9/23/2016	72191	1012	TRUCK-HERBICIDE	1	39.52	0.56		\$22.14		
Road Id - 002140- OTWELL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/21/2016	72060	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
4/21/2016	72060	1013	TRUCK-HERBICIDE-2000	1	42.01	0.66		\$27.73		
9/15/2016	72183	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/15/2016	72183	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 002143- OVERLOOK ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/23/2016	72111	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/23/2016	72111	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
9/21/2016	72189	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/21/2016	72189	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road Id - 002145- OWENS DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/18/2016	72057	1530	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.41		\$17.23		
6/24/2016	72112	1530	GUTHERY THOMAS	2	22.81	0.52	\$11.87			
6/24/2016	72112	1013	TRUCK-HERBICIDE-2000	1	42.01	0.52		\$21.85		
9/13/2016	72181	1530	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
9/13/2016	72181	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
Road Id - 002147- OWENS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
5/31/2016	72091	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
5/31/2016	72091	0814	PICKUP	1	19.21	1.00		\$19.21		
5/31/2016	72091	0912	HERBICIDE-ROUNDUPOLY GALLON		14.49	1.00			\$14.49	
5/31/2016	72091	0001	SABARA	EACH	0.00	1.00			\$0.00	
5/31/2016	72091	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
6/13/2016	72102	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/13/2016	72102	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
10/20/2016	72133	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
10/20/2016	72133	0814	PICKUP	1	18.07	1.50		\$27.11		
10/20/2016	72133	0001	Asenab- 1 gallon	EACH	0.00	1.00			\$0.00	

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Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 002147- OWENS ROAD										
Activity Id 401 Herbicide Treatment										
Road District -3										
7/20/2016	72133	2000	WATER	GAL	0.00	60.00				\$0.00
7/20/2016	72133	1530	GUTHERY THOMAS		15.66	1.50	\$23.49			
8/2/2016	72172	1198	TALTON STEVEN W		18.22	0.71	\$12.94			
8/2/2016	72172	0814	PICKUP		18.07	0.71		\$12.83		
8/2/2016	72172	1530	GUTHERY THOMAS		22.81	0.71	\$16.20			
9/23/2016	72199	1198	TALTON STEVEN W		18.22	0.55	\$10.03			
9/23/2016	72199	1012	TRUCK-HERBICIDE		39.52	0.55		\$21.74		
Road Id - 002149- OWLS HOLLOW ROAD										
Activity Id 401 Herbicide Treatment										
Road District -2										
4/21/2016	72060	1530	GUTHERY THOMAS		15.66	0.66	\$10.34			
4/21/2016	72060	1013	TRUCK-HERBICIDE-2000		42.01	0.66		\$27.73		
6/2/2016	72093	1530	GUTHERY THOMAS		15.66	2.00	\$31.32			
6/2/2016	72093	1013	TRUCK-HERBICIDE-2000		42.01	2.00		\$84.02		
6/2/2016	72093	2000	WATER	GAL	0.00	2,000.00				\$0.00
6/2/2016	72093	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	15.00				\$321.90
6/2/2016	72093	0916	HERBICIDE-DILURON 4L	GALLON	18.00	15.00				\$270.00
6/2/2016	72093	0928	HERBICIDE-GROUND ZERO	PNT	8.71	2.00				\$17.42
6/2/2016	72093	0933	HERBICIDE-FOAM BUSTER	QT	11.30	0.25				\$2.83
6/24/2016	72112	1530	GUTHERY THOMAS		22.81	0.52	\$11.87			
6/24/2016	72112	1013	TRUCK-HERBICIDE-2000		42.01	0.52		\$21.85		
7/26/2016	72138	1530	GUTHERY THOMAS		15.66	0.77	\$12.06			
7/26/2016	72138	1013	TRUCK-HERBICIDE-2000		39.52	0.77		\$30.44		
9/12/2016	72189	1530	GUTHERY THOMAS		15.66	5.00	\$78.30			
9/12/2016	72189	1013	TRUCK-HERBICIDE-2000		39.52	5.00		\$197.60		
9/19/2016	72187	1530	GUTHERY THOMAS		15.66	0.76	\$11.91			
9/19/2016	72187	1013	TRUCK-HERBICIDE-2000		39.52	0.76		\$30.04		
9/19/2016	72187	2000	WATER	GAL	0.00	2,000.00				\$0.00
9/19/2016	72187	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	30.00				\$989.70
9/19/2016	72187	0928	HERBICIDE-GROUND ZERO	PNT	8.71	2.00				\$17.42
9/19/2016	72187	0933	HERBICIDE-FOAM BUSTER	QT	5.15	0.25				\$1.29
Road Id - 002165- PATTERSON DRIVE										
Activity Id 401 Herbicide Treatment										
Road District -2										
10/7/2016	72139	1198	TALTON STEVEN W		18.22	0.71	\$12.94			
10/7/2016	72139	1012	TRUCK-HERBICIDE		39.52	0.71		\$28.06		
Road Id - 002170- PAUL KELLY ROAD										
Activity Id 401 Herbicide Treatment										
Road District -3										
6/15/2016	72104	1198	TALTON STEVEN W		18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE		42.01	0.43		\$18.07		
Road Id - 002171- PAULA REED RD										
Activity Id 401 Herbicide Treatment										
Road District -3										
6/23/2016	72111	1198	TALTON STEVEN W		18.22	0.50	\$9.11			
6/23/2016	72111	1012	TRUCK-HERBICIDE		42.01	0.50		\$21.01		
Road Id - 002176- PAYNE ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
6/29/2016	72116	1198	TALTON STEVEN W		18.22	0.59	\$10.75			
6/29/2016	72116	1012	TRUCK-HERBICIDE		42.01	0.59		\$24.79		
8/23/2016	72163	1198	TALTON STEVEN W		18.22	1.00	\$18.22			
8/23/2016	72163	0814	PICKUP		18.07	1.00		\$18.07		
8/23/2016	72163	1530	GUTHERY THOMAS		15.66	1.00	\$15.66			
Road Id - 002177- PEACH TREE LANE										

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Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 002177- PEACH TREE LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/23/2016	72111	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/23/2016	72111	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
Road Id - 002178- PEACH TREE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/16/2016	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			
8/2/2016	72144	0814	PICKUP	1	18.07	0.50		\$9.04		
8/2/2016	72144	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
Road Id - 002179- PEARSON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/19/2016	72132	1330	GUTHERY THOMAS	1	15.66	0.38	\$5.96			
3/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
Road Id - 002180- PECK LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/7/2016	72139	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
10/7/2016	72139	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 002185- PERMAN LAKE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/19/2016	72058	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72058	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
9/29/2016	72198	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
9/29/2016	72198	0814	PICKUP	1	18.07	1.50		\$27.11		
9/29/2016	72198	1330	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
Road Id - 002186- PERRY WORKS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/16/2016	72100	1198	TALTON STEVEN W	2	26.43	0.53	\$14.02			
6/16/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.53		\$22.27		
9/12/2016	72180	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/12/2016	72180	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 002187- PERSALL DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/20/2016	72099	1330	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/20/2016	72099	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
6/1/2016	72092	1330	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
9/19/2016	72187	1330	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/19/2016	72187	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
Road Id - 002189- PEARN CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/17/2016	72106	1198	TALTON STEVEN W	2	26.43	0.38	\$10.06			
6/17/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$15.97		
Road Id - 002190- PEARN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/18/2016	72131	1330	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
3/18/2016	72131	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
9/2/2016	72172	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			

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Project Id - 28-018-14HERBICIDE PROGRAM										
Road Id - 002190- PEARR ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
9/2/2016	72172	0814	PICKUP	1	18.07	0.71				\$12.83
9/2/2016	72172	1530	GUTHERY THOMAS	2	22.81	0.71	\$16.20			
9/15/2016	72183	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/15/2016	72183	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50				\$19.76
Road Id - 002197- PINE DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/18/2016	72057	1530	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.41				\$17.23
6/24/2016	72112	1530	GUTHERY THOMAS	2	22.81	0.52	\$11.87			
6/24/2016	72112	1013	TRUCK-HERBICIDE-2000	1	42.01	0.52				\$21.85
Road Id - 002198- PINE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/19/2016	72058	1530	GUTHERY 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	22.81	0.59	\$13.46			
3/22/2016	72135	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59				\$23.32
8/30/2016	72168	1098	TALTON STEVEN W	1	18.22	0.71	\$12.94			
8/30/2016	72168	0814	PICKUP	1	18.07	0.71				\$12.83
8/30/2016	72168	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
Road Id - 002220- PILGRIMS REST ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
4/20/2016	72059	1530	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/20/2016	72059	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58				\$24.37
3/26/2016	72138	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
3/26/2016	72138	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77				\$30.44
8/24/2016	72163	1098	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/24/2016	72163	0814	PICKUP	1	18.07	0.67				\$12.11
8/24/2016	72163	1530	GUTHERY THOMAS	1	15.66	0.67	\$10.50			
Road Id - 002224- PINE GROVE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/8/2016	72098	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
6/8/2016	72098	1013	TRUCK-HERBICIDE-2000	1	42.01	0.71				\$29.83
9/1/2016	72171	1098	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	72171	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/14/2016	72182	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
9/14/2016	72182	1013	TRUCK-HERBICIDE-2000	1	39.52	0.71				\$28.06
Road Id - 002226- PINEHAVEN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/20/2016	72059	1098	TALTON STEVEN W	1	18.22	0.55	\$10.03			
4/20/2016	72059	1012	TRUCK-HERBICIDE	1	42.01	0.55				\$23.11
Road Id - 002239- PINE TRAIL										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/25/2016	72109	1098	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/25/2016	72109	1012	TRUCK-HERBICIDE	1	42.01	0.55				\$23.11
9/28/2016	72197	1098	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/28/2016	72197	1012	TRUCK-HERBICIDE	1	39.52	0.55				\$21.74
Road Id - 002240- PINEVIEW CIRCLE										
Activity Id - 401 Herbicide Treatment										

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Cost Cost
Project Id - 28-018-18ERBICIDE PROGRAM										
Road Id - 002240- PENEVIEW CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District -4										
4/19/2016	72058	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72058	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
Road Id - 002254- PENEY KNOLL										
Activity Id - 401 Herbicide Treatment										
Road District -4										
4/20/2016	72059	1198	TALTON STEVEN W	1	18.22	0.53	\$10.03			
4/20/2016	72059	1012	TRUCK-HERBICIDE	1	42.01	0.53		\$23.11		
Road Id - 002255- PUTTS DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District -1										
8/24/2016	72163	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/24/2016	72163	0814	PICKUP	1	18.07	0.67			\$12.11	
8/24/2016	72163	1330	GUTHERY THOMAS	1	15.66	0.67	\$10.50			
Road Id - 002256- PUTTS LANE										
Activity Id - 401 Herbicide Treatment										
Road District -3										
4/18/2016	72057	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/18/2016	72057	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
6/13/2016	72106	1198	TALTON STEVEN W	2	26.45	0.38	\$10.06			
6/13/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$13.97		
9/23/2016	72196	1198	TALTON STEVEN W	1	18.22	0.43	\$8.20			
9/23/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.43		\$11.79		
Road Id - 002259- PLEASANT HILL CHURCH RD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
5/11/2016	72076	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
5/11/2016	72076	0814	PICKUP	1	19.21	0.50		\$9.41		
5/11/2016	72076	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
6/23/2016	72110	1198	TALTON STEVEN W	1	18.22	0.90	\$16.40			
6/23/2016	72110	1012	TRUCK-HERBICIDE	1	42.01	0.90		\$37.81		
6/23/2016	72110	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	15.00			\$321.90	
6/23/2016	72110	0916	HERBICIDE-DURON 4L GALLON		18.00	15.00			\$270.00	
6/23/2016	72110	0928	HERBICIDE-GROUND ZERO) PNT		8.71	1.00			\$8.71	
6/23/2016	72110	2000	WATER GAL		0.00	2,000.00			\$0.00	
8/13/2016	72157	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/13/2016	72157	0814	PICKUP	1	18.07	0.77			\$13.92	
8/13/2016	72157	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
Road Id - 002261- PLEASANT HILL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
4/21/2016	72060	1330	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
4/21/2016	72060	1013	TRUCK-HERBICIDE-2000	1	42.01	0.66		\$27.73		
9/15/2016	72183	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/15/2016	72183	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 002262- PLEASANT HILL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
9/21/2016	72189	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/21/2016	72189	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road Id - 002263- PLEASANT VALLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
5/9/2016	72074	1198	TALTON STEVEN W	1	18.22	1.11	\$20.23			
5/9/2016	72074	0814	PICKUP	1	19.21	1.11		\$21.33		
5/9/2016	72074	1330	GUTHERY THOMAS	1	15.66	1.11	\$17.39			

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Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 002264- PLEMONS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
4/18/2016	72057	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/18/2016	72057	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
6/17/2016	72186	1198	TALTON STEVEN W	2	26.45	0.38	\$10.06			
6/17/2016	72186	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$15.97		
9/27/2016	72196	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
9/27/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.45		\$17.79		
Road Id - 002270- POLLY DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/15/2016	72104	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.07		
Road Id - 002271- PONDEROSA ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
10/6/2016	72138	1198	TALTON STEVEN W	1	18.22	0.91	\$16.39			
10/6/2016	72138	1012	TRUCK-HERBICIDE	1	39.52	0.91		\$35.97		
8/23/2016	72162	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
8/23/2016	72162	0814	PICKUP	1	18.07	0.52		\$9.48		
8/23/2016	72162	1530	GUTHRY THOMAS	1	15.66	0.52	\$8.15			
Road Id - 002272- POPE CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District -4										
4/25/2016	72062	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
4/25/2016	72062	1012	TRUCK-HERBICIDE	1	42.01	0.45		\$18.91		
5/9/2016	72074	1198	TALTON STEVEN W	1	18.22	1.11	\$20.23			
5/9/2016	72074	0814	PICKUP	1	18.21	1.11		\$21.33		
5/9/2016	72074	1530	GUTHRY THOMAS	1	15.66	1.11	\$17.39			
6/30/2016	72123	1198	TALTON STEVEN W	1	18.22	0.70	\$12.76			
6/30/2016	72123	1012	TRUCK-HERBICIDE	1	42.01	0.70		\$29.41		
Road Id - 002273- POPE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
6/1/2016	72092	1530	GUTHRY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
9/23/2016	72191	1530	GUTHRY THOMAS	2	22.81	0.45	\$10.27			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.45		\$17.79		
Road Id - 002275- POWELL CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/16/2016	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	0.59	\$9.13			
8/2/2016	72144	0814	PICKUP	1	18.07	0.59		\$9.04		
8/2/2016	72144	1530	GUTHRY THOMAS	1	15.66	0.59	\$7.83			
Road Id - 002284- PUCKETT ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
10/21/2016	72139	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
10/21/2016	72139	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 002285- PULLTIGHT ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
7/19/2016	72132	1530	GUTHRY THOMAS	1	15.66	0.38	\$5.96			
7/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$11.03		
9/27/2016	72196	1530	GUTHRY THOMAS	1	15.66	0.43	\$6.74			

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Project ID - 28-018-18HERBICIDE PROGRAM										
Road ID - 002285- PULL TIGHT ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
9/27/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road ID - 002286- PYRON ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 4										
4/19/2016	72058	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72058	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
7/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.56			
7/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
Road ID - 002289- QUARRY ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 1										
4/4/2016	72046	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
4/4/2016	72046	1013	TRUCK-HERBICIDE-2000	1	42.01	0.77		\$32.35		
7/21/2016	72134	1330	GUTHERY THOMAS	1	15.66	0.90	\$14.10			
7/21/2016	72134	1013	TRUCK-HERBICIDE-2000	1	39.52	0.90		\$35.57		
8/25/2016	72164	1198	TALTON STEVEN W	1	18.22	0.77	\$14.63			
8/25/2016	72164	0814	PICKUP	1	18.07	0.77		\$13.92		
8/25/2016	72164	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
Road ID - 002291- RABBITTOWN ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 1										
4/20/2016	72059	1330	GUTHERY THOMAS	1	15.66	0.72	\$11.28			
4/20/2016	72059	1013	TRUCK-HERBICIDE-2000	1	42.01	0.72		\$30.25		
4/20/2016	72059	2000	WATER	GAL	0.00	2,000.00			\$0.00	
4/20/2016	72059	0911	HERBICIDE-2,4 D AMNE	GALLON	14.13	22.50			\$17.93	
4/20/2016	72059	0936	HERBICIDE-SULFOMET	LB	28.05	1.88			\$32.60	
4/20/2016	72059	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$17.42	
4/20/2016	72059	0933	HERBICIDE-FOAM BUSTER	QT	11.30	0.25			\$2.83	
5/3/2016	72069	1198	TALTON STEVEN W	1	18.22	0.76	\$13.83			
5/3/2016	72069	0814	PICKUP	1	18.21	0.76		\$14.60		
5/3/2016	72069	1330	GUTHERY THOMAS	1	15.66	0.76	\$11.91			
7/26/2016	72138	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
7/26/2016	72138	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
7/28/2016	72140	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
7/28/2016	72140	0814	PICKUP	1	18.07	1.00		\$18.07		
7/28/2016	72140	1330	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
8/25/2016	72164	1198	TALTON STEVEN W	1	18.22	0.76	\$13.83			
8/25/2016	72164	0814	PICKUP	1	18.07	0.76		\$13.74		
8/25/2016	72164	0921	HERBICIDE-GLARON 3-A	GALLON	32.99	1.00			\$63.98	
8/25/2016	72164	0910	HERBICIDE-MSMA (TARGET	GALLON	21.46	2.00			\$42.92	
8/25/2016	72164	2000	WATER	GAL	0.00	100.00			\$0.00	
8/25/2016	72164	1330	GUTHERY THOMAS	1	15.66	0.76	\$11.91			
9/20/2016	72188	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
9/20/2016	72188	0814	PICKUP	1	18.07	1.00		\$18.07		
9/20/2016	72188	1330	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
Road ID - 002294- RAGAN DR										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
7/18/2016	72131	1330	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
7/18/2016	72131	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
Road ID - 002308- RANDALL ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 4										
4/25/2016	72062	1198	TALTON STEVEN W	1	18.22	0.43	\$8.30			
4/25/2016	72062	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.91		

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Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 002308- RANDALL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
6/30/2016	72123	1198	TALTON STEVEN W	1	18.22	0.70	\$12.76			
6/30/2016	72123	1012	TRUCK-HERBICIDE	1	42.01	0.70		\$29.41		
Road Id - 002312- RAYFORD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
6/29/2016	72116	1198	TALTON STEVEN W	1	18.22	0.59	\$10.75			
6/29/2016	72116	1012	TRUCK-HERBICIDE	1	42.01	0.59		\$24.79		
Road Id - 002317- RED HILL CHURCH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/25/2016	72062	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
6/25/2016	72062	1012	TRUCK-HERBICIDE	1	42.01	0.45		\$18.91		
7/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 002318- RED MOUNTAIN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/25/2016	72062	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
6/25/2016	72062	1012	TRUCK-HERBICIDE	1	42.01	0.45		\$18.91		
7/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 002319- RED OAK DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District -4										
6/20/2016	72108	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
6/20/2016	72108	1012	TRUCK-HERBICIDE	1	42.01	0.76		\$31.93		
Road Id - 002323- REGAL BOW										
Activity Id - 401 Herbicide Treatment										
Road District -2										
6/18/2016	72057	1130	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
6/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.41		\$17.23		
8/31/2016	72169	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
8/31/2016	72169	0814	PICKUP	1	18.07	0.55		\$9.94		
8/31/2016	72169	1130	GUTHERY THOMAS	1	15.66	0.55	\$8.63			
Road Id - 002328- REVEL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
6/18/2016	72057	1130	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
6/18/2016	72057	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-HERBICIDE-2000	1	42.01	0.52		\$21.85		
8/15/2016	72155	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/15/2016	72155	0814	PICKUP	1	18.07	0.77		\$13.92		
8/15/2016	72155	1130	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
Road Id - 002333- RICHARD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
6/20/2016	72059	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/20/2016	72059	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
Road Id - 002336- RICKLES ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/10/2016	72100	1198	TALTON STEVEN W	2	26.45	0.53	\$14.03			
6/10/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.53		\$22.27		
9/8/2016	72177	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 002336- RICKLES ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
5/8/2016	72177	1012	TRUCK-HERBICIDE	1	39.52	1.00		\$39.52		
5/12/2016	72180	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
5/12/2016	72180	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.66		
Road Id - 002338- RIDGULES BEND ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/19/2016	72058	1198	TALTON STEVEN W	1	18.22	0.64	\$11.67			
4/19/2016	72058	1012	TRUCK-HERBICIDE	1	42.01	0.64		\$26.89		
3/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.56			
3/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
8/24/2016	72163	1198	TALTON STEVEN W	1	18.22	0.62	\$11.30			
8/24/2016	72163	0814	PICKUP	1	18.07	0.62		\$21.23		
8/24/2016	72163	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	1.00			\$32.99	
8/24/2016	72163	0910	HERBICIDE-MSMA (TARGET	GALLON	21.46	1.00			\$21.46	
8/24/2016	72163	2000	WATER	GAL	0.00	50.00			\$0.00	
8/24/2016	72163	1530	GUTHERY THOMAS	1	15.66	0.62	\$9.71			
Road Id - 002340- RIDGEVIEW RD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/2/2016	72093	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
6/2/2016	72093	1013	TRUCK-HERBICIDE-2000	1	42.01	1.00		\$42.01		
Road Id - 002348- RIVER CLIFF DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/1/2016	72092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
5/21/2016	72189	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
5/21/2016	72189	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.48		
Road Id - 002350- RIVER DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/19/2016	72132	1530	GUTHERY THOMAS	1	15.66	0.38	\$5.96			
3/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
5/23/2016	72196	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
5/23/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road Id - 002359- RIVER HUN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/23/2016	72114	1530	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
6/23/2016	72114	1013	TRUCK-HERBICIDE-2000	1	42.01	0.59		\$24.79		
5/26/2016	72195	1530	GUTHERY THOMAS	1	15.66	0.36	\$5.64			
5/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road Id - 002360- REVERSIDE DR										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/23/2016	72114	1530	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
6/23/2016	72114	1013	TRUCK-HERBICIDE-2000	1	42.01	0.59		\$24.79		
5/26/2016	72195	1530	GUTHERY THOMAS	1	15.66	0.36	\$5.64			
5/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road Id - 002366- NORTH REVERVIEW LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 5										
6/1/2016	72092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
5/21/2016	72189	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			

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Date	District	Job	Description	Rate	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Cost
Project Id - 28-018-1HERBICIDE PROGRAM										
Road Id - 002366- NORTH RIVERVIEW LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 5										
02/10/16	72189	1003	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$38.44		
Road Id - 002369- ROBBINS BRANCH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/12/2016	72077	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
5/12/2016	72077	0805	PICKUP	1	19.21	0.55		\$18.57		
5/12/2016	72077	1330	GUTHERY THOMAS	1	15.66	0.53	\$8.62			
6/04/2016	72112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/04/2016	72112	1002	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
8/18/2016	72158	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
8/18/2016	72158	0804	PICKUP	1	18.07	0.50		\$9.04		
8/18/2016	72158	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/16/2016	72184	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/16/2016	72184	1002	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 002371- ROBERSON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/21/2016	72109	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/21/2016	72109	1002	TRUCK-HERBICIDE	1	42.01	0.55		\$21.01		
8/16/2016	72156	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/16/2016	72156	0804	PICKUP	1	18.07	0.67		\$12.11		
8/16/2016	72156	1330	GUTHERY THOMAS	1	15.66	0.67	\$10.59			
9/26/2016	72195	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/26/2016	72195	1002	TRUCK-HERBICIDE	1	39.52	0.66		\$26.00		
Road Id - 002375- ROBERTS DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/1/2016	72092	1330	GUTHERY THOMAS	1	15.66	0.29	\$4.35			
6/1/2016	72092	1003	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.79		
9/21/2016	72189	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/21/2016	72189	1003	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
Road Id - 002376- ROBERTS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/8/2016	72098	1198	TALTON STEVEN W	1	18.22	0.91	\$16.39			
6/8/2016	72098	1002	TRUCK-HERBICIDE	1	42.01	0.91		\$38.23		
9/14/2016	72182	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
9/14/2016	72182	1002	TRUCK-HERBICIDE	1	39.52	0.77		\$30.44		
Road Id - 002381- ROBINSON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/26/2016	72063	1198	TALTON STEVEN W	1	18.22	0.58	\$9.11			
4/26/2016	72063	1002	TRUCK-HERBICIDE	1	42.01	0.58		\$21.01		
7/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	1002	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 002385- ROCK BRIDGE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/26/2016	72063	1198	TALTON STEVEN W	1	18.22	0.58	\$9.11			
4/26/2016	72063	1002	TRUCK-HERBICIDE	1	42.01	0.58		\$21.01		
7/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	1002	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 002384- ROCKLEDGE CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										

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Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 002384- ROCKLEDGE CIRCLE										
Activity Id 401 Herbicide Treatment										
Road District -3										
4/18/2016	72057	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/18/2016	72057	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
6/17/2016	72096	1198	TALTON STEVEN W	2	26.45	0.38	\$10.96			
6/17/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$15.97		
9/23/2016	72096	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
9/23/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.45		\$17.79		
Road Id - 002385- ROCKLEDGE ROAD										
Activity Id 401 Herbicide Treatment										
Road District -3										
4/18/2016	72057	1198	TALTON STEVEN W	1	18.22	0.64	\$11.67			
4/18/2016	72057	1012	TRUCK-HERBICIDE	1	42.01	0.64		\$26.89		
5/11/2016	72076	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
5/11/2016	72076	0814	PICKUP	1	19.21	0.50		\$9.61		
5/11/2016	72076	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
6/17/2016	72096	1198	TALTON STEVEN W	2	26.45	0.38	\$10.96			
6/17/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$15.97		
8/10/2016	72151	1198	TALTON STEVEN W	1	18.22	0.66	\$12.83			
8/10/2016	72131	0814	PICKUP	1	18.07	0.66		\$11.93		
8/10/2016	72151	1330	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/23/2016	72196	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
9/23/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.45		\$17.79		
Road Id - 002386- ROCKY FORD ROAD										
Activity Id 401 Herbicide Treatment										
Road District -2										
4/19/2016	72058	1330	GUTHERY THOMAS	1	15.66	0.72	\$11.28			
4/19/2016	72058	1013	TRUCK-HERBICIDE-2000	1	42.01	0.72		\$30.23		
4/19/2016	72058	2000	WATER	GAL	0.00	2,000.00			\$0.00	
4/19/2016	72058	0911	HERBICIDE-2,4 D AMINE	GALLON	14.13	22.50			\$317.93	
4/19/2016	72058	0916	HERBICIDE-SULFOMIT	LB	28.05	1.88			\$52.60	
4/19/2016	72058	0928	HERBICIDE-GROUND ZERO	PNT	8.71	3.00			\$17.42	
4/19/2016	72058	0933	HERBICIDE-FOAM BUSTER	QT	11.30	0.25			\$2.83	
5/5/2016	72071	1198	TALTON STEVEN W	1	18.22	0.83	\$15.13			
5/5/2016	72071	0814	PICKUP	1	19.21	0.83		\$15.95		
5/5/2016	72071	1330	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
10/2/2016	72135	1330	GUTHERY THOMAS	2	22.81	0.56	\$12.78			
10/2/2016	72135	1013	TRUCK-HERBICIDE-2000	1	39.52	0.56		\$22.34		
10/2/2016	72135	2000	WATER	GAL	0.00	2,000.00			\$0.00	
10/2/2016	72135	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	13.00			\$321.90	
10/2/2016	72135	0916	HERBICIDE-DUBON 4L	GALLON	18.00	13.00			\$270.00	
10/2/2016	72135	0928	HERBICIDE-GROUND ZERO	PNT	8.71	3.00			\$17.42	
10/2/2016	72135	0933	HERBICIDE-FOAM BUSTER	QT	11.30	0.25			\$2.83	
10/25/2016	72137	1330	GUTHERY THOMAS	1	15.66	0.59	\$7.83			
10/25/2016	72137	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$19.76		
10/25/2016	72137	2000	WATER	GAL	0.00	2,000.00			\$0.00	
10/25/2016	72137	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	13.00			\$321.90	
10/25/2016	72137	0916	HERBICIDE-DUBON 4L	GALLON	18.00	13.00			\$270.00	
10/25/2016	72137	0928	HERBICIDE-GROUND ZERO	PNT	8.71	3.00			\$17.42	
10/25/2016	72137	0933	HERBICIDE-FOAM BUSTER	QT	11.30	0.25			\$2.83	
8/30/2016	72168	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
8/30/2016	72168	0814	PICKUP	1	18.07	0.71		\$12.83		
8/30/2016	72168	1330	GUTHERY THOMAS	1	15.66	0.71	\$11.42			
Road Id - 002387- ROCKY BOLLOW CUT-OFF										
Activity Id 401 Herbicide Treatment										
Road District -4										
4/25/2016	72062	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			

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Project ID - 25-018-HERBICIDE PROGRAM										
Road ID - 002387- ROCKY HOLLOW CUT-OFF										
Activity ID - 401 Herbicide Treatment										
Road District - 4										
4/25/2016	72062	1012	TRUCK-HERBICIDE	1	42.01	0.45		\$18.91		
5/9/2016	72074	1198	TALTON STEVEN W	1	18.22	1.11	\$20.23			
5/9/2016	72074	0814	PICKUP	1	19.21	1.11		\$21.33		
6/30/2016	72123	1198	TALTON STEVEN W	1	18.22	0.70	\$12.76			
6/30/2016	72123	1012	TRUCK-HERBICIDE	1	42.01	0.70		\$29.41		
Road ID - 002388- ROCKY HOLLOW ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 4										
4/25/2016	72062	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
4/25/2016	72062	1012	TRUCK-HERBICIDE	1	42.01	0.45		\$18.91		
5/9/2016	72074	1198	TALTON STEVEN W	1	18.22	1.11	\$20.23			
5/9/2016	72074	0814	PICKUP	1	19.21	1.11		\$21.33		
5/9/2016	72074	1530	GUTHRIEY THOMAS	1	15.66	1.11	\$17.39			
6/30/2016	72123	1198	TALTON STEVEN W	1	18.22	0.70	\$12.76			
6/30/2016	72123	1012	TRUCK-HERBICIDE	1	42.01	0.70		\$29.41		
8/31/2016	72169	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
8/31/2016	72169	0814	PICKUP	1	18.07	0.55		\$9.94		
8/31/2016	72169	1530	GUTHRIEY THOMAS	1	15.66	0.55	\$8.62			
Road ID - 002389- BODEN ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
6/13/2016	72102	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/13/2016	72102	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
9/22/2016	72190	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/22/2016	72190	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road ID - 002390- RODGERS ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
6/17/2016	72106	1198	TALTON STEVEN W	2	26.45	0.38	\$10.06			
6/17/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$15.97		
Road ID - 002394- ROLLING HILLS ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
6/3/2016	72092	1530	GUTHRIEY THOMAS	1	15.66	0.29	\$4.55			
6/3/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
9/23/2016	72191	1530	GUTHRIEY THOMAS	2	22.81	0.45	\$10.23			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.45		\$17.79		
Road ID - 002398- ROOF DR										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
6/15/2016	72104	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.07		
Road ID - 002403- ROSE ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 4										
7/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.36			
7/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
Road ID - 002408- ROSS DRIVE										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
6/27/2016	72114	1530	GUTHRIEY THOMAS	1	15.66	0.59	\$9.24			
6/27/2016	72114	1013	TRUCK-HERBICIDE-2000	1	42.01	0.59		\$24.79		
9/26/2016	72195	1530	GUTHRIEY THOMAS	1	15.66	0.28	\$4.39			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.28		\$11.07		
Road ID - 002415- BOWAN CUT-OFF										

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Project Id - 28-018-14HERBICIDE PROGRAM										
Road Id - 002415- ROWAN CUT-OFF										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
4/18/2016	72057	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/18/2016	72057	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
6/17/2016	72106	1198	TALTON STEVEN W	2	26.45	0.38	\$10.66			
6/17/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$15.97		
9/27/2016	72196	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
9/27/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.45		\$17.79		
Road Id - 002416- ROWAN DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/22/2016	72110	1198	TALTON STEVEN W	1	18.22	0.91	\$16.39			
6/22/2016	72110	1012	TRUCK-HERBICIDE	1	42.01	0.91		\$38.23		
6/23/2016	72111	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/23/2016	72111	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
9/21/2016	72189	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
9/21/2016	72189	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$26.09		
Road Id - 002418- ROY WHITE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/14/2016	72103	1198	TALTON STEVEN W	1	18.22	0.58	\$10.37			
6/14/2016	72103	1012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
9/23/2016	72191	1198	TALTON STEVEN W	2	26.45	0.56	\$14.82			
9/23/2016	72191	1012	TRUCK-HERBICIDE	1	39.52	0.56		\$23.14		
Road Id - 002424- HUNYAN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/1/2016	72092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.35			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
9/23/2016	72191	1530	GUTHERY THOMAS	2	22.81	0.45	\$10.27			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.45		\$13.79		
Road Id - 002426- RUSSELL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/19/2016	72132	1530	GUTHERY THOMAS	1	15.66	0.38	\$5.96			
7/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
9/23/2016	72196	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/23/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road Id - 002430- SADDLE CLUB ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/8/2016	72098	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
6/8/2016	72098	1013	TRUCK-HERBICIDE-2000	1	42.01	0.71		\$29.83		
8/31/2016	72169	1198	TALTON STEVEN W	1	18.22	0.55	\$10.00			
8/31/2016	72169	0814	PICKUP	1	18.07	0.55		\$9.94		
8/31/2016	72169	1530	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
9/13/2016	72181	1530	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
9/13/2016	72181	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
Road Id - 002434- SAMPLES ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/7/2016	72097	1530	GUTHERY THOMAS	1	15.66	0.53	\$8.30			
6/7/2016	72097	1013	TRUCK-HERBICIDE-2000	1	42.01	0.53		\$22.27		
9/14/2016	72182	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
9/14/2016	72182	1013	TRUCK-HERBICIDE-2000	1	39.52	0.71		\$28.06		
Road Id - 002435- SAMUELS CHAPEL ROAD										
Activity Id - 401 Herbicide Treatment										

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Date	District	ID	Description	Rate ID	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Com Cost
Project ID - 28-018-14HERBICIDE PROGRAM										
Road ID - 002435- SAMUELS CHAPEL ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 4										
6/04/2016	72112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/04/2016	72112	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
6/29/2016	72116	1198	TALTON STEVEN W	1	18.22	0.56	\$10.21			
6/29/2016	72116	1012	TRUCK-HERBICIDE	1	42.01	0.56		\$23.53		
6/29/2016	72116	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	15.00			\$321.90	
6/29/2016	72116	0916	HERBICIDE-DIURON 4L GALLON		18.00	15.00			\$270.00	
6/29/2016	72116	0928	HERBICIDE-GROUND ZERO PNT		8.71	1.00			\$8.71	
6/29/2016	72116	2000	WATER GAL		0.00	2,000.00			\$0.00	
8/22/2016	72161	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
8/22/2016	72161	0814	PICKUP	1	18.07	1.00		\$18.07		
8/22/2016	72161	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
Road ID - 002437- SAND VALLEY ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
6/2/2016	72093	1198	TALTON STEVEN W	1	18.22	2.50	\$45.55			
6/2/2016	72093	1012	TRUCK-HERBICIDE	1	42.01	2.50		\$105.03		
6/3/2016	72094	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/3/2016	72094	0814	PICKUP	1	19.21	0.50		\$9.61		
6/3/2016	72094	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
6/7/2016	72097	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/7/2016	72097	1012	TRUCK-HERBICIDE	1	42.01	1.00		\$42.01		
6/8/2016	72098	1198	TALTON STEVEN W	1	18.22	0.91	\$16.59			
6/8/2016	72098	1012	TRUCK-HERBICIDE	1	42.01	0.91		\$38.23		
8/1/2016	72143	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
8/1/2016	72143	0814	PICKUP	1	18.07	1.00		\$18.07		
8/1/2016	72143	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
9/8/2016	72177	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
9/8/2016	72177	1012	TRUCK-HERBICIDE	1	39.52	1.00		\$39.52		
9/14/2016	72182	1198	TALTON STEVEN W	3	25.76	0.76	\$18.06			
9/14/2016	72182	1012	TRUCK-HERBICIDE	1	39.52	0.76		\$30.04		
9/14/2016	72182	0921	HERBICIDE-GARLON 3-A GALLON		32.99	15.00			\$494.85	
9/14/2016	72182	2000	WATER GAL		0.00	1,000.00			\$0.00	
9/15/2016	72183	1198	TALTON STEVEN W	1	18.22	2.50	\$45.55			
9/15/2016	72183	1012	TRUCK-HERBICIDE	1	39.52	2.50		\$98.80		
9/15/2016	72183	0921	HERBICIDE-GARLON 3-A GALLON		32.99	15.00			\$494.85	
9/15/2016	72183	0928	HERBICIDE-GROUND ZERO PNT		8.71	1.00			\$8.71	
9/15/2016	72183	2000	WATER GAL		0.00	1,000.00			\$0.00	
Road ID - 002444- SARDIS ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
4/18/2016	72057	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/18/2016	72057	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
5/19/2016	72075	1198	TALTON STEVEN W	1	18.22	2.50	\$45.55			
5/19/2016	72075	0814	PICKUP	1	19.21	2.50		\$48.03		
5/19/2016	72075	1530	GUTHERY THOMAS	1	15.66	2.50	\$39.15			
6/13/2016	72100	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/13/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
6/14/2016	72100	1198	TALTON STEVEN W	1	18.22	0.72	\$13.12			
6/14/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.72		\$30.25		
6/14/2016	72100	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	1.50			\$168.95	
6/14/2016	72100	0916	HERBICIDE-DIURON 4L GALLON		18.00	1.50			\$135.00	
6/14/2016	72100	0928	HERBICIDE-GROUND ZERO PNT		8.71	1.00			\$8.71	
6/14/2016	72100	2000	WATER GAL		0.00	1,000.00			\$0.00	
8/2/2016	72144	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
8/2/2016	72144	0814	PICKUP	1	18.07	0.50		\$9.04		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 002444- SARDIS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
8/2/2016	72144	1130	GUTHRY THOMAS	1	15.66	0.50	\$7.83			
9/15/2016	72183	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
9/15/2016	72183	1012	TRUCK-HERBICIDE	1	39.52	1.50		\$59.28		
Road Id - 002445- SARRATT BATTLES ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
4/25/2016	72062	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
4/25/2016	72062	1012	TRUCK-HERBICIDE	1	42.01	0.45		\$18.91		
7/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 002446- SATTERFIELD LANE										
Activity Id - 401 Herbicide Treatment										
Road District -2										
6/21/2016	72114	1130	GUTHRY THOMAS	1	15.66	0.59	\$9.24			
6/21/2016	72114	1012	TRUCK-HERBICIDE-2000	1	42.01	0.59		\$24.79		
9/26/2016	72193	1130	GUTHRY THOMAS	1	15.66	0.36	\$5.64			
9/26/2016	72193	1012	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road Id - 002447- SAULS CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District -3										
4/18/2016	72057	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/18/2016	72057	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
9/21/2016	72196	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
9/21/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.45		\$17.79		
Road Id - 002448- SAULS WARREN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
4/18/2016	72057	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/18/2016	72057	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
6/17/2016	72106	1198	TALTON STEVEN W	2	26.45	0.38	\$10.06			
6/17/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$15.91		
9/21/2016	72196	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
9/21/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.45		\$17.79		
Road Id - 002449- SCALES ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
7/25/2016	72137	1130	GUTHRY THOMAS	1	15.66	0.50	\$7.83			
7/25/2016	72137	1012	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 002450- SCENIC DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/29/2016	72116	1198	TALTON STEVEN W	1	18.22	0.59	\$10.75			
6/29/2016	72116	1012	TRUCK-HERBICIDE	1	42.01	0.59		\$24.79		
8/16/2016	72156	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/16/2016	72156	0814	PICKUP	1	18.07	0.67		\$12.11		
8/16/2016	72156	1130	GUTHRY THOMAS	1	15.66	0.67	\$10.50			
Road Id - 002451- SCENIC HIGHWAY										
Activity Id - 401 Herbicide Treatment										
Road District -2										
6/8/2016	72098	1130	GUTHRY THOMAS	1	15.66	0.77	\$12.06			
6/8/2016	72098	1012	TRUCK-HERBICIDE-2000	1	42.01	0.77		\$32.33		
6/8/2016	72098	2000	WATER	GAL	6.00	2,000.00			\$0.00	
6/8/2016	72098	0910	HERBICIDE-MSMA (TARGET GALLON	GALLON	21.46	15.00			\$321.90	
6/8/2016	72098	0916	HERBICIDE-DEURON 4L	GALLON	18.00	15.00			\$270.00	
6/8/2016	72098	0928	HERBICIDE-GROUND ZERO	PNT	8.71	2.00			\$17.42	

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Project ID - 28-018-14 HERBICIDE PROGRAM										
Road ID - 002451- SCENIC HIGHWAY										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
6/8/2016	72098	0903	HERBICIDE-FOAM BUSTER	QT	11.30	0.25			\$2.83	
6/24/2016	72112	1300	GUTHERY THOMAS	2	22.81	0.64	\$14.60			
6/24/2016	72112	1013	TRUCK-HERBICIDE-2000	1	42.01	0.64		\$26.89		
6/24/2016	72112	2000	WATER	GAL	0.00	2,000.00			\$0.00	
6/24/2016	72112	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	15.00			\$321.90	
6/24/2016	72112	0916	HERBICIDE-DEURON 4L	GALLON	18.00	15.00			\$270.00	
6/24/2016	72112	0908	HERBICIDE-GROUND ZERO	PNT	8.71	2.00			\$17.42	
6/24/2016	72112	0903	HERBICIDE-FOAM BUSTER	QT	11.30	0.25			\$2.83	
8/31/2016	72169	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
8/31/2016	72169	0814	PICKUP	1	18.07	0.55		\$9.94		
8/31/2016	72169	1300	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
9/5/2016	72171	1198	TALTON STEVEN W	1	18.22	0.54	\$9.84			
9/5/2016	72171	0814	PICKUP	1	18.07	0.54		\$9.76		
9/5/2016	72171	0921	HERBICIDE-GARLOW 3-A	GALLON	32.99	1.50			\$49.49	
9/5/2016	72171	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	1.50			\$32.19	
9/5/2016	72171	2000	WATER	GAL	0.00	75.00			\$0.00	
9/5/2016	72171	1300	GUTHERY THOMAS	1	15.66	0.54	\$8.46			
9/13/2016	72181	1300	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
9/13/2016	72181	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
9/14/2016	72182	1300	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
9/14/2016	72182	1013	TRUCK-HERBICIDE-2000	1	39.52	0.71		\$28.06		
Road ID - 002454- SCHOOL ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 4										
6/24/2016	72112	1198	TALTON STEVEN W	2	26.45	0.59	\$13.23			
6/24/2016	72112	1012	TRUCK-HERBICIDE	1	42.01	0.59		\$21.61		
9/16/2016	72184	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/16/2016	72184	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road ID - 002456- SCOTT ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
6/13/2016	72102	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/13/2016	72102	1012	TRUCK-HERBICIDE	1	42.01	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	1	39.52	0.56		\$22.14		
Road ID - 002459- SCROUG OUF DR										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
4/18/2016	72057	1530	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.41		\$17.23		
5/18/2016	72131	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
5/18/2016	72131	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
Road ID - 002465- STEADY GROVE ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
6/20/2016	72108	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
6/20/2016	72108	1012	TRUCK-HERBICIDE	1	42.01	0.76		\$31.93		
8/16/2016	72156	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/16/2016	72156	0814	PICKUP	1	18.07	0.67		\$12.11		
8/16/2016	72156	1530	GUTHERY THOMAS	1	15.66	0.67	\$10.50			
Road ID - 002471- SHANGRI-LA DRIVE										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
4/18/2016	72057	1530	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.41		\$17.23		

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 002471 - SLAGERS LA DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/24/2016	72112	1530	GUTHERY THOMAS	2	22.81	0.52	\$11.87			
6/24/2016	72112	1013	TRUCK-HERBICIDE-2000	1	42.01	0.52		\$21.85		
9/13/2016	72181	1530	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
9/13/2016	72181	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
Road Id - 002483 - SHELTON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/18/2016	72057	1530	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.41		\$17.23		
3/18/2016	72131	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
3/18/2016	72131	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
8/31/2016	72169	1798	TALTON STEVEN W	1	18.22	0.55	\$10.03			
8/31/2016	72169	0814	PICKUP	1	18.07	0.55		\$9.94		
8/31/2016	72169	1330	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
Road Id - 002485 - SHERRIE LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/19/2016	72132	1530	GUTHERY THOMAS	1	15.66	0.38	\$5.96			
3/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$13.82		
9/23/2016	72196	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/23/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road Id - 002490 - SHILOH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/19/2016	72058	1798	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72058	1013	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
3/18/2016	72131	1798	TALTON STEVEN W	1	18.22	0.37	\$6.75			
3/18/2016	72131	1013	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 002491 - SHINBONE RIDGE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/2/2016	72093	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
6/2/2016	72093	1013	TRUCK-HERBICIDE-2000	1	42.01	1.00		\$42.01		
9/19/2016	72187	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/19/2016	72187	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
Road Id - 002493 - SHORELANE DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/7/2016	72097	1530	GUTHERY THOMAS	1	15.66	0.52	\$8.30			
6/7/2016	72097	1013	TRUCK-HERBICIDE-2000	1	42.01	0.52		\$22.27		
9/26/2016	72195	1530	GUTHERY THOMAS	1	15.66	0.36	\$5.64			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road Id - 002498 - SIBERT STREETS										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
6/6/2016	72046	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
6/6/2016	72046	1013	TRUCK-HERBICIDE-2000	1	42.01	0.77		\$32.35		
7/26/2016	72138	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
7/26/2016	72138	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
Road Id - 002499 - SILER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/19/2016	72058	1530	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
6/19/2016	72058	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
7/22/2016	72133	1530	GUTHERY THOMAS	2	22.81	0.59	\$13.46			

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Project Id - 28-018-140ERBICIDE PROGRAM										
Road Id - 002499- SILER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/2/2016	72135	1013	TRUCK-HERBICIDE-2000	1	39.52	0.99		\$23.32		
8/30/2016	72168	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
8/30/2016	72168	0814	PICKUP	1	18.07	0.71		\$12.83		
8/30/2016	72168	1330	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
Road Id - 002503- SIMMONS LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/16/2016	72100	1198	TALTON STEVEN W	2	26.45	0.53	\$14.82			
6/16/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.53		\$22.27		
Road Id - 002504- SIMMONS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/17/2016	72100	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/17/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.61		
Road Id - 002505- SIMS CHAPEL CHURCH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/25/2016	72137	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
7/25/2016	72137	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 002519- SLAGO ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/28/2016	72108	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
6/28/2016	72108	1012	TRUCK-HERBICIDE	1	42.01	0.76		\$31.53		
8/18/2016	72151	1198	TALTON STEVEN W	1	18.22	0.66	\$12.83			
8/18/2016	72151	0814	PICKUP	1	18.07	0.66		\$11.39		
8/18/2016	72151	1330	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
Road Id - 002523- SMITH CHAPEL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
3/26/2016	72089	1198	TALTON STEVEN W	1	18.22	2.50	\$45.55			
3/26/2016	72089	0814	PICKUP	1	19.23	2.50		\$48.03		
3/26/2016	72089	1330	GUTHERY THOMAS	1	15.66	2.50	\$39.15			
6/13/2016	72100	1198	TALTON STEVEN W	1	18.22	0.55	\$10.83			
6/13/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$21.31		
6/15/2016	72104	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.07		
9/23/2016	72191	1198	TALTON STEVEN W	2	26.45	0.56	\$14.82			
9/23/2016	72191	1012	TRUCK-HERBICIDE	1	39.52	0.56		\$22.64		
Road Id - 002524- SMITH CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
4/25/2016	72062	1198	TALTON STEVEN W	1	18.22	0.45	\$8.28			
4/25/2016	72062	1012	TRUCK-HERBICIDE	1	42.01	0.45		\$18.91		
7/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 002525- SMITH DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/18/2016	72057	1330	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.41		\$17.23		
6/28/2016	72115	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	72115	1330	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
9/8/2016	72175	1198	TALTON STEVEN W	1	18.22	2.00	\$36.44			

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-04HERBICIDE PROGRAM										
Road Id - 002525- SMITH DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
9/6/2016	72171	0804	PICKUP	1	18.07	2.00		\$36.14		
9/6/2016	72171	0921	HERBICIDE-CARLON 3-A GALLON		32.99	1.00			\$32.99	
9/6/2016	72171	0900	HERBICIDE-MSMA (TARGET GALLON		21.46	1.00			\$21.46	
9/6/2016	72171	2000	WATER	GAL	0.00	30.00			\$0.00	
9/6/2016	72175	1130	GUTHRY THOMAS	1	15.66	2.00	\$31.32			
Road Id - 002530- SMITH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
5/5/2016	72071	1198	TALTON STEVEN W	1	18.22	0.83	\$13.13			
5/5/2016	72071	0804	PICKUP	1	19.21	0.83		\$13.99		
5/5/2016	72071	1130	GUTHRY THOMAS	1	15.66	0.83	\$13.00			
7/21/2016	72139	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
7/21/2016	72139	1002	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 002539- SON JOHNSON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/14/2016	72103	1198	TALTON STEVEN W	1	18.22	0.58	\$10.37			
6/14/2016	72103	1002	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
Road Id - 002552- SPENCE DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/19/2016	72058	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72058	1002	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
7/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.56			
7/19/2016	72132	1002	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
Road Id - 002553- SPENKS DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/27/2016	72139	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
7/27/2016	72139	1002	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 002555- SPOUT SPRINGS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/8/2016	72098	1198	TALTON STEVEN W	1	18.22	0.91	\$16.59			
6/8/2016	72098	1002	TRUCK-HERBICIDE	1	42.01	0.91		\$38.23		
9/13/2016	72180	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/13/2016	72180	1002	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 002558- SPRENGDALE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/16/2016	72103	1198	TALTON STEVEN W	1	18.22	0.58	\$10.37			
6/16/2016	72103	1002	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
Road Id - 002567- STAN WYNTER ST										
Activity Id - 401 Herbicide Treatment										
Road District - 6										
4/20/2016	72059	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
4/20/2016	72059	1002	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
Road Id - 002569- STANFORD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/8/2016	72098	1198	TALTON STEVEN W	1	18.22	0.91	\$16.59			
6/8/2016	72098	1002	TRUCK-HERBICIDE	1	42.01	0.91		\$38.23		
9/14/2016	72182	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
9/14/2016	72182	1002	TRUCK-HERBICIDE	1	39.52	0.77		\$30.44		
Road Id - 002571- STATON ROAD										

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Project ID - 28-018-18HERBICIDE PROGRAM										
Road ID - 002571- STATON ROAD										
Activity ID - 401 Herbicide Treatment										
Road District -3										
6/21/2016	72109	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/21/2016	72109	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
8/10/2016	72151	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
8/10/2016	72153	0814	PICKUP	1	18.07	0.66			\$11.93	
8/10/2016	72151	1330	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/28/2016	72197	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/28/2016	72197	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.34		
Road ID - 002572- STEEL PLANT LAKE ROAD										
Activity ID - 401 Herbicide Treatment										
Road District -3										
5/13/2016	72076	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
5/13/2016	72076	0814	PICKUP	1	19.21	0.50			\$9.64	
5/13/2016	72076	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
6/21/2016	72109	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/21/2016	72109	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
8/15/2016	72153	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/15/2016	72155	0814	PICKUP	1	18.07	0.77			\$13.92	
8/15/2016	72153	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/28/2016	72197	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/28/2016	72197	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.34		
Road ID - 002573- STEELE STATION ROAD										
Activity ID - 401 Herbicide Treatment										
Road District -4										
5/9/2016	72074	1198	TALTON STEVEN W	1	18.22	1.11	\$20.23			
5/9/2016	72074	0814	PICKUP	1	19.21	1.11			\$21.33	
5/9/2016	72074	1330	GUTHERY THOMAS	1	15.66	1.11	\$17.39			
9/29/2016	72198	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
9/29/2016	72198	0814	PICKUP	1	18.07	1.50			\$27.11	
9/29/2016	72198	1330	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
Road ID - 002574- STEPHENS GAP ROAD										
Activity ID - 401 Herbicide Treatment										
Road District -2										
5/5/2016	72071	1198	TALTON STEVEN W	1	18.22	0.83	\$15.13			
5/5/2016	72071	0814	PICKUP	1	19.21	0.83			\$15.95	
5/5/2016	72071	1330	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
8/1/2016	72143	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
8/1/2016	72143	0814	PICKUP	1	18.07	1.00			\$18.07	
8/1/2016	72143	1330	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
9/7/2016	72176	1198	TALTON STEVEN W	1	18.22	2.00	\$36.44			
9/7/2016	72176	1012	TRUCK-HERBICIDE	1	39.52	2.00			\$79.04	
Road ID - 002578- STONE DRIVE										
Activity ID - 401 Herbicide Treatment										
Road District -2										
4/20/2016	72039	1330	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/20/2016	72039	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58			\$24.31	
6/2/2016	72093	1330	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
6/2/2016	72093	1013	TRUCK-HERBICIDE-2000	1	42.01	1.00			\$42.01	
9/19/2016	72187	1330	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/19/2016	72187	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66			\$26.09	
Road ID - 002582- STRAWBERRY HILL ROAD										
Activity ID - 401 Herbicide Treatment										
Road District -2										
4/18/2016	72057	1330	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.41			\$17.23	
5/6/2016	72072	1198	TALTON STEVEN W	2	26.45	1.00	\$132.25			

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Project ID - 28-018-14HERBICIDE PROGRAM										
Road ID - 002582- STRAWBERRY HILL ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
5/6/2016	72072	0814	PICKUP	1	19.21	5.00		\$96.05		
5/6/2016	72072	1330	GUTHERY THOMAS	2	22.81	5.00	\$114.05			
5/13/2016	72078	1198	TALTON STEVEN W	2	26.45	2.50	\$66.13			
5/13/2016	72078	0814	PICKUP	1	19.21	2.50		\$48.03		
5/13/2016	72078	1330	GUTHERY THOMAS	2	22.81	2.50	\$57.03			
6/24/2016	72112	1330	GUTHERY THOMAS	2	22.81	0.52	\$11.87			
6/24/2016	72112	1013	TRUCK-HERBICIDE-2000	1	42.01	0.52		\$21.85		
7/20/2016	72133	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
7/20/2016	72133	0814	PICKUP	1	18.07	1.50		\$27.11		
7/20/2016	72133	1330	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
8/15/2016	72155	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/15/2016	72155	0814	PICKUP	1	18.07	0.77		\$13.93		
8/15/2016	72155	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/13/2016	72181	1330	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
9/13/2016	72181	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
Road ID - 002584- STYLES BRIDGE ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
5/26/2016	72089	1198	TALTON STEVEN W	1	18.22	2.50	\$45.55			
5/26/2016	72089	0814	PICKUP	1	19.21	2.50		\$48.03		
5/26/2016	72089	0912	HERBICIDE-ROUNDUPPOLY GALLON		14.89	0.50			\$7.25	
5/26/2016	72089		Solara-dry component-lbs		0.00	2.00			\$0.00	
5/26/2016	72089	2000	WATER	GAL	0.00	40.00			\$0.00	
5/26/2016	72089	1330	GUTHERY THOMAS	1	15.66	2.50	\$39.15			
7/18/2016	72131	1330	GUTHERY THOMAS	1	15.66	8.66	\$10.34			
7/18/2016	72131	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
9/15/2016	72183	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/15/2016	72183	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road ID - 002585- SUBURBAN DRIVE										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
8/30/2016	72168	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
8/30/2016	72168	0814	PICKUP	1	18.07	0.71		\$12.83		
8/30/2016	72168	1330	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
Road ID - 002587- SUMATANGA ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 4										
4/26/2016	72063	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
4/26/2016	72063	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
5/11/2016	72076	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
5/11/2016	72076	0814	PICKUP	1	19.21	0.50		\$9.61		
5/11/2016	72076	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
7/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road ID - 002589- SUMMERSET LANE										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
7/27/2016	72139	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
7/27/2016	72139	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road ID - 002597- SUNSET TRAIL										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
6/21/2016	72109	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/21/2016	72109	1012	TRUCK-HERBICIDE	1	43.00	0.55		\$23.11		
9/28/2016	72197	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			

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Project Id - 28-018-04HERBICIDE PROGRAM										
Road Id - 002597- SUNSET TRAIL										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
9/28/2016	72197	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road Id - 002599- SUTTON BRIDGE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/9/2016	72074	1198	TALTON STEVEN W	1	18.22	1.11	\$20.23			
5/9/2016	72074	0814	PICKUP	1	19.21	1.11		\$21.33		
5/9/2016	72074	1530	GUTHERY THOMAS	1	15.66	1.11	\$17.39			
8/23/2016	72162	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
8/23/2016	72162	0814	PICKUP	1	18.07	0.52		\$9.40		
8/23/2016	72162	1530	GUTHERY THOMAS	1	15.66	0.52	\$8.15			
Road Id - 002604- T.C. DOBBINS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
9/19/2016	72187	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/19/2016	72187	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 002605- TADOR CUT-OFF										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/18/2016	72131	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
7/18/2016	72131	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
9/2/2016	72172	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/2/2016	72172	0814	PICKUP	1	18.07	0.71		\$12.81		
9/2/2016	72172	1530	GUTHERY THOMAS	2	22.81	0.71	\$16.20			
Road Id - 002606- TADOR ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/18/2016	72057	1530	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.41		\$17.23		
5/3/2016	72069	1198	TALTON STEVEN W	1	18.22	0.88	\$16.04			
5/3/2016	72069	0814	PICKUP	1	19.21	0.88		\$35.91		
5/3/2016	72069	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	0.50			\$10.73	
5/3/2016	72069	2000	WATER		0.00	40.00			\$0.00	
5/3/2016	72069	1530	GUTHERY THOMAS	1	15.66	0.88	\$13.79			
7/18/2016	72131	1530	GUTHERY THOMAS	1	15.66	0.76	\$11.91			
7/18/2016	72131	1013	TRUCK-HERBICIDE-2000	1	39.52	0.76		\$30.04		
7/18/2016	72131	2000	WATER		0.00	1,000.00			\$0.00	
7/18/2016	72131	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	1.00			\$321.90	
7/18/2016	72131	0916	HERBICIDE-DEBRON 4L		18.00	15.00			\$270.00	
7/18/2016	72131	0928	HERBICIDE-GROUND ZERO		8.71	1.00			\$17.42	
7/18/2016	72131	0903	HERBICIDE-FOAM BUSTER		11.30	0.25			\$2.83	
8/31/2016	72169	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
8/31/2016	72169	0814	PICKUP	1	18.07	0.55		\$9.94		
8/31/2016	72169	1530	GUTHERY 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	72183	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
9/23/2016	72191	1530	GUTHERY THOMAS	2	22.81	0.55	\$12.55			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.55		\$21.74		
Road Id - 002607- TALTON CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/06/2016	72105	1198	TALTON STEVEN W	1	18.22	0.58	\$10.57			
6/06/2016	72105	1012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
Road Id - 002608- TAMMY TRAIL										
Activity Id - 401 Herbicide Treatment										
Road District - 2										

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 002608- TANDY TRAIL										
Activity Id - 401 Herbicide Treatment										
Road District -2										
7/19/2016	72132	1130	GUTHERY THOMAS	1	15.66	0.38	\$3.96			
7/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
9/27/2016	72196	1130	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/27/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road Id - 002612- TARPLEY DR. E										
Activity Id - 401 Herbicide Treatment										
Road District -2										
6/7/2016	72092	1130	GUTHERY THOMAS	1	15.66	0.29	\$4.33			
6/7/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.79		
6/7/2016	72097	1130	GUTHERY THOMAS	1	15.66	0.53	\$8.30			
6/7/2016	72097	1013	TRUCK-HERBICIDE-2000	1	42.01	0.53		\$22.27		
9/23/2016	72191	1130	GUTHERY THOMAS	2	22.81	0.45	\$10.23			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.45		\$13.79		
9/26/2016	72195	1130	GUTHERY THOMAS	1	15.66	0.36	\$5.64			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road Id - 002618- TAYLOR LANE										
Activity Id - 401 Herbicide Treatment										
Road District -2										
6/7/2016	72097	1130	GUTHERY THOMAS	1	15.66	0.53	\$8.30			
6/7/2016	72097	1013	TRUCK-HERBICIDE-2000	1	42.01	0.53		\$22.27		
9/14/2016	72182	1130	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
9/14/2016	72182	1013	TRUCK-HERBICIDE-2000	1	39.52	0.71		\$28.04		
Road Id - 002621- TERRELL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
6/24/2016	72112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/24/2016	72112	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
Road Id - 002626- THOMPSON BRIDGE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
6/24/2016	72112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/24/2016	72112	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
9/16/2016	72184	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/16/2016	72184	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 002627- TIBORNHILL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
6/16/2016	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			
8/2/2016	72144	0804	PICKUP	1	18.07	0.50		\$9.04		
8/2/2016	72144	1130	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
Road Id - 002628- TIBORNTON LAKES										
Activity Id - 401 Herbicide Treatment										
Road District -2										
6/24/2016	72112	1130	GUTHERY THOMAS	2	22.81	0.52	\$11.87			
6/24/2016	72112	1013	TRUCK-HERBICIDE-2000	1	42.01	0.52		\$21.83		
Road Id - 002630- THRASHER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
5/12/2016	72077	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
5/12/2016	72077	0815	PICKUP	1	19.21	0.55		\$10.57		
5/12/2016	72077	1130	GUTHERY THOMAS	1	15.66	0.15	\$8.63			
6/24/2016	72112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/24/2016	72112	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		

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Project Id - 28-008-HERBICIDE PROGRAM										
Road Id - 002630- TIBBASSER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
9/16/2016	72184	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/16/2016	72184	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 002631- TIDMORE BEND ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
5/4/2016	72070	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
5/4/2016	72070	0814	PICKUP	1	19.21	1.00		\$19.21		
5/4/2016	72070	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
6/1/2016	72092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
7/28/2016	72140	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
7/28/2016	72140	0814	PICKUP	1	18.07	1.00		\$18.07		
7/28/2016	72140	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
9/21/2016	72189	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/21/2016	72189	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
Road Id - 002632- TIDWELL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/15/2016	72104	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.07		
9/23/2016	72191	1198	TALTON STEVEN W	2	26.45	0.56	\$14.82			
9/23/2016	72191	1012	TRUCK-HERBICIDE	1	39.52	0.56		\$22.14		
Road Id - 002633- TILLESON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
4/26/2016	72063	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
4/26/2016	72063	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
Road Id - 002634- TINSLEY SPRING ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/27/2016	72139	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
7/27/2016	72139	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 002637- TOBY ANNA TRAIL										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/23/2016	72111	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
6/23/2016	72111	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
Road Id - 002638- TOM CAT ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/19/2016	72058	1530	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/19/2016	72058	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
5/5/2016	72071	1198	TALTON STEVEN W	1	18.22	0.83	\$15.13			
5/5/2016	72071	0814	PICKUP	1	19.21	0.83		\$15.95		
5/5/2016	72071	1530	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
6/24/2016	72112	1530	GUTHERY THOMAS	2	22.81	0.52	\$11.87			
6/24/2016	72112	1013	TRUCK-HERBICIDE-2000	1	42.01	0.52		\$23.85		
7/22/2016	72135	1530	GUTHERY THOMAS	2	22.81	0.59	\$13.46			
7/22/2016	72135	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
8/30/2016	72168	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
8/30/2016	72168	0814	PICKUP	1	18.07	0.71		\$12.83		
8/30/2016	72168	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
Road Id - 002639- TONEY DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										

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Project ID - 28-018-HERBICIDE PROGRAM										
Road ID - 002629- TONEY DRIVE										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
6/21/2016	72109	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/21/2016	72109	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
8/16/2016	72156	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/16/2016	72156	0814	PICKUP	1	18.07	0.67		\$12.11		
8/16/2016	72156	1530	GUTHERY THOMAS	1	15.66	0.67	\$10.50			
9/28/2016	72197	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/28/2016	72197	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road ID - 002643- TRAILWOOD LANE										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
6/7/2016	72097	1530	GUTHERY THOMAS	1	15.66	0.53	\$8.30			
6/7/2016	72097	1013	TRUCK-HERBICIDE-2000	1	42.01	0.53		\$22.27		
9/26/2016	72195	1530	GUTHERY THOMAS	1	15.66	0.36	\$5.64			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road ID - 002646- TUCKER MOUNTAIN ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 4										
5/16/2016	72080	1198	TALTON STEVEN W	1	18.22	0.83	\$15.13			
5/16/2016	72080	0814	PICKUP	1	19.21	0.83		\$15.95		
5/16/2016	72080	1530	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
Road ID - 002648- TUMLEN CIRCLE										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
7/19/2016	72132	1530	GUTHERY THOMAS	1	15.66	0.38	\$5.96			
7/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$13.02		
9/21/2016	72196	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/21/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road ID - 002649- TUMLEN GAP ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 4										
5/9/2016	72074	1198	TALTON STEVEN W	1	18.22	1.12	\$20.41			
5/9/2016	72074	0814	PICKUP	1	19.21	1.12		\$21.52		
5/9/2016	72074	1530	GUTHERY THOMAS	1	15.66	1.12	\$17.54			
Road ID - 002650- TURKEY TOWN ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
7/19/2016	72132	1530	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	72195	1530	GUTHERY THOMAS	1	15.66	0.36	\$5.64			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
9/27/2016	72196	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/27/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road ID - 002651- TURKEY TOWN GAP ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
6/2/2016	72093	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
6/2/2016	72093	1013	TRUCK-HERBICIDE-2000	1	42.01	1.00		\$42.01		
9/19/2016	72187	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/19/2016	72187	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
Road ID - 002655- TURNER LANE										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
9/1/2016	72171	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	72171	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			

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Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 002656- TURNER MOUNTAIN ROAD										
Activity Id 401 Herbicide Treatment										
Road District -1										
4/4/2016	72046	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
4/4/2016	72046	1013	TRUCK-HERBICIDE-2000	1	42.01	0.77		\$32.35		
7/21/2016	72134	1330	GUTHERY THOMAS	1	15.66	0.90	\$14.10			
7/21/2016	72134	1013	TRUCK-HERBICIDE-2000	1	39.52	0.90		\$35.57		
9/2/2016	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		
9/2/2016	72172	1330	GUTHERY THOMAS	2	22.81	0.71	\$16.20			
Road Id - 002658- TURNER ROAD										
Activity Id 401 Herbicide Treatment										
Road District -1										
5/5/2016	72071	1198	TALTON STEVEN W	1	18.22	0.83	\$15.13			
5/5/2016	72071	0814	PICKUP	1	19.21	0.83		\$15.85		
5/5/2016	72071	1330	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
Road Id - 002661- TWIN SPRINGS DRIVE										
Activity Id 401 Herbicide Treatment										
Road District -2										
5/3/2016	72069	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
5/3/2016	72069	0814	PICKUP	1	19.21	0.76		\$14.60		
5/3/2016	72069	1330	GUTHERY THOMAS	1	15.66	0.76	\$11.91			
6/28/2016	72115	1198	TALTON STEVEN W	1	18.22	0.99	\$10.75			
6/28/2016	72115	0814	PICKUP	1	19.21	0.99		\$11.34		
6/28/2016	72115	1330	GUTHERY THOMAS	1	15.66	0.99	\$9.24			
Road Id - 002666- UNDERWOOD ROAD										
Activity Id 401 Herbicide Treatment										
Road District -3										
6/13/2016	72102	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/13/2016	72102	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
9/22/2016	72190	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/22/2016	72190	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.34		
Road Id - 002667- UNITY CHURCH ROAD										
Activity Id 401 Herbicide Treatment										
Road District -3										
6/8/2016	72098	1198	TALTON STEVEN W	1	18.22	0.91	\$16.39			
6/8/2016	72098	1012	TRUCK-HERBICIDE	1	42.01	0.91		\$38.23		
9/14/2016	72182	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
9/14/2016	72182	1012	TRUCK-HERBICIDE	1	39.52	0.77		\$30.44		
Road Id - 002676- VALLEY STREET										
Activity Id 401 Herbicide Treatment										
Road District -5										
6/5/2016	72092	1330	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/5/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
9/12/2016	72180	1330	GUTHERY THOMAS	1	15.66	3.00	\$78.30			
9/12/2016	72180	1011	TRUCK-FLAMED CREW	1	27.92	3.00		\$139.68		
9/12/2016	72180	2000	WATER	GAL	0.00	2,000.00			\$0.00	
9/12/2016	72180	0921	HERBICIDE-CARLON 3-A	GALLON	32.99	30.00			\$989.70	
Road Id - 002678- VALLEYVIEW CIRCLE										
Activity Id 401 Herbicide Treatment										
Road District -1										
4/4/2016	72046	1330	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
4/4/2016	72046	1013	TRUCK-HERBICIDE-2000	1	42.01	0.77		\$32.35		
7/21/2016	72134	1330	GUTHERY THOMAS	1	15.66	0.90	\$14.10			
7/21/2016	72134	1013	TRUCK-HERBICIDE-2000	1	39.52	0.90		\$35.57		
Road Id - 002683- VAUGHN DRIVE										
Activity Id 401 Herbicide Treatment										
Road District -2										

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Project Id - 28-018-1HERBICIDE PROGRAM										
Road Id - 002683- VAUGHN DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/21/2016	72060	1330	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
4/21/2016	72060	1013	TRUCK-HERBICIDE-2000	1	42.01	0.66		\$27.73		
10/8/2016	72140	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
10/8/2016	72140	0814	PICKUP	1	18.07	1.00		\$18.07		
10/8/2016	72140	1330	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
9/1/2016	72171	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	72171	1330	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/15/2016	72183	1330	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/15/2016	72183	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 002684- VAUGHN LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/20/2016	72108	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
6/20/2016	72108	1012	TRUCK-HERBICIDE	1	42.01	0.76		\$31.93		
9/23/2016	72196	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
9/23/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.45		\$17.79		
Road Id - 002685- VAUGHN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/12/2016	72077	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
5/12/2016	72077	0815	PICKUP	1	19.21	0.55		\$10.57		
5/12/2016	72077	1330	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
8/22/2016	72163	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
8/22/2016	72163	0814	PICKUP	1	18.07	1.00		\$18.07		
8/22/2016	72163	1330	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
Road Id - 002692- VINYARD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
5/2/2016	72068	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
5/2/2016	72068	0814	PICKUP	1	19.21	1.00		\$19.21		
5/2/2016	72068	1330	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
6/28/2016	72113	1198	TALTON STEVEN W	1	18.22	0.59	\$10.75			
6/28/2016	72113	0814	PICKUP	1	19.21	0.59		\$11.34		
6/28/2016	72113	1330	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
8/31/2016	72169	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
8/31/2016	72169	0814	PICKUP	1	18.07	0.55		\$9.94		
8/31/2016	72169	1330	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
Road Id - 002791- WALDEN DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
9/19/2016	72187	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/19/2016	72187	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 002793- WALDEN HOLLOW ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/8/2016	72098	1198	TALTON STEVEN W	1	18.22	0.90	\$16.40			
6/8/2016	72098	1012	TRUCK-HERBICIDE	1	42.01	0.90		\$37.81		
6/8/2016	72098	0910	HERBICIDE-MESMA (TARGET GALLON		21.46	13.00			\$321.90	
6/8/2016	72098	0916	HERBICIDE-DURON 4L GALLON		18.00	13.00			\$270.00	
6/8/2016	72098	0928	HERBICIDE-GROUND ZERO PPT		8.71	1.00			\$8.71	
6/8/2016	72098	2000	WATER GAL		0.00	2,000.00			\$0.00	
9/14/2016	72182	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
9/14/2016	72182	1012	TRUCK-HERBICIDE	1	39.52	0.77		\$30.44		
Road Id - 002794- WALDEN ROAD										

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Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 002704- WALDEN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/8/2016	72098	1130	GUTHERY THOMAS	1	15.66	0.71	\$11.32			
6/8/2016	72098	1013	TRUCK-HERBICIDE-2000	1	42.01	0.71		\$29.83		
8/31/2016	72169	1198	TALTON STEVEN W	1	18.22	0.55	\$10.83			
8/31/2016	72169	0814	PICKUP	1	18.07	0.55		\$9.94		
8/31/2016	72169	1130	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
9/13/2016	72181	1130	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
9/13/2016	72181	1013	TRUCK-HERBICIDE-2000	1	39.52	0.59		\$23.32		
Road Id - 002705- WALDRUP DR										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/18/2016	72057	1130	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.41		\$17.23		
9/23/2016	72191	1130	GUTHERY THOMAS	2	22.81	0.45	\$10.27			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.45		\$17.79		
Road Id - 002707- WALKER DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/21/2016	72109	1198	TALTON STEVEN W	1	18.22	0.55	\$10.83			
6/21/2016	72109	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
8/15/2016	72155	1198	TALTON STEVEN W	1	18.22	0.77	\$14.83			
8/15/2016	72155	0814	PICKUP	1	18.07	0.77		\$13.92		
8/15/2016	72155	1130	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/28/2016	72197	1198	TALTON STEVEN W	1	18.22	0.55	\$10.83			
9/28/2016	72197	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road Id - 002712- WALKER LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.36			
7/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
Road Id - 002713- WALKER MOUNTAIN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/20/2016	72108	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
6/20/2016	72108	1012	TRUCK-HERBICIDE	1	42.81	0.76		\$31.93		
8/16/2016	72156	1198	TALTON STEVEN W	1	18.22	0.67	\$12.31			
8/16/2016	72156	0814	PICKUP	1	18.07	0.67		\$12.11		
8/16/2016	72156	1130	GUTHERY THOMAS	1	15.66	0.67	\$10.30			
9/28/2016	72197	1198	TALTON STEVEN W	1	18.22	0.55	\$10.83			
9/28/2016	72197	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road Id - 002715- WALLACE DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.36			
7/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
9/20/2016	72188	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
9/20/2016	72188	0814	PICKUP	1	18.07	1.50		\$27.11		
9/20/2016	72188	1130	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
Road Id - 002716- WALLACE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
7/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.28	\$5.11			
7/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.28		\$11.87		
7/19/2016	72132	0919	HERBICIDE-MESMA (TARGET GALLON		21.44	7.50			\$160.95	
7/19/2016	72132	0916	HERBICIDE-DEURON 4L GALLON		18.00	7.50			\$135.00	
7/19/2016	72132	0928	HERBICIDE-GROUND ZERO PNT		8.71	1.00			\$8.71	

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-14HERBICIDE PROGRAM										
Road Id - 002716- WALLACE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
7/15/2016	72132	2000	WATER	GAL	0.00	1,000.00				\$0.00
9/7/2016	72176	1198	TALTON STEVEN W	I	18.22	2.00	\$36.44			
9/7/2016	72176	1012	TRUCK-HERBICIDE	I	39.52	2.00		\$79.04		
Road Id - 002719- WALTER WHITE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/15/2016	72104	1198	TALTON STEVEN W	I	18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	I	42.01	0.43		\$18.07		
8/2/2016	72144	1198	TALTON STEVEN W	I	18.22	0.59	\$9.11			
8/2/2016	72144	0814	PICKUP	I	18.07	0.50		\$9.04		
8/2/2016	72144	1530	GUTHBRY THOMAS	I	15.66	0.50	\$7.83			
Road Id - 002720- WALTERS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/23/2016	72111	1198	TALTON STEVEN W	I	18.22	0.59	\$9.11			
6/23/2016	72111	1012	TRUCK-HERBICIDE	I	42.01	0.59		\$21.61		
Road Id - 002723- WARD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/27/2016	72139	1198	TALTON STEVEN W	I	18.22	0.71	\$12.94			
7/27/2016	72139	1012	TRUCK-HERBICIDE	I	39.52	0.71		\$28.06		
Road Id - 002724- WARREN DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/21/2016	72109	1198	TALTON STEVEN W	I	18.22	0.55	\$10.03			
6/21/2016	72109	1012	TRUCK-HERBICIDE	I	42.01	0.55		\$23.11		
8/16/2016	72156	1198	TALTON STEVEN W	I	18.22	0.67	\$12.31			
8/16/2016	72156	0814	PICKUP	I	18.07	0.67		\$12.11		
8/16/2016	72156	1530	GUTHBRY THOMAS	I	15.66	0.67	\$10.58			
9/28/2016	72197	1198	TALTON STEVEN W	I	18.22	0.55	\$10.03			
9/28/2016	72197	1012	TRUCK-HERBICIDE	I	39.52	0.55		\$21.74		
Road Id - 002725- WARRIOR VALLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/16/2016	72080	1198	TALTON STEVEN W	I	18.22	0.87	\$15.86			
5/16/2016	72080	0814	PICKUP	I	19.21	0.87		\$16.72		
5/16/2016	72080	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	2.50			\$82.48	
5/16/2016	72080	0912	HERBICIDE-ROUNDUPGLY	GALLON	14.49	0.25			\$3.63	
5/16/2016	72080	2000	WATER	GAL	0.00	60.00			\$0.00	
5/16/2016	72080	1530	GUTHBRY THOMAS	I	15.66	0.87	\$13.63			
Road Id - 002733- WATKINS DR										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/17/2016	72106	1198	TALTON STEVEN W	2	26.45	0.38	\$10.06			
6/17/2016	72106	1012	TRUCK-HERBICIDE	I	42.01	0.38		\$15.97		
Road Id - 002742- WESSON GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
5/31/2016	72091	1198	TALTON STEVEN W	I	18.22	2.00	\$36.44			
5/31/2016	72091	0814	PICKUP	I	19.21	2.00		\$38.42		
5/31/2016	72091	1530	GUTHBRY THOMAS	I	15.66	2.00	\$31.32			
6/06/2016	72100	1198	TALTON STEVEN W	2	26.45	0.53	\$14.02			
6/06/2016	72100	1012	TRUCK-HERBICIDE	I	42.01	0.53		\$22.27		
6/7/2016	72106	1198	TALTON STEVEN W	2	26.45	0.38	\$10.06			
6/7/2016	72106	1012	TRUCK-HERBICIDE	I	42.01	0.38		\$15.97		

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Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 002742- WESSON GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
9/3/2016	72177	1798	TALTON STEVEN W	1	18.22	0.50	\$9.11			
9/3/2016	72177	1012	TRUCK-HERBICIDE	1	39.52	0.50		\$19.76		
Road Id - 002743- WESSON LAKE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/19/2016	72058	1798	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72058	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.83		
5/9/2016	72074	1798	TALTON STEVEN W	1	18.22	1.11	\$20.23			
5/9/2016	72074	0814	PICKUP	1	19.21	1.11		\$21.33		
5/9/2016	72074	1530	GUTHERY THOMAS	1	15.66	1.11	\$17.39			
6/3/2016	72094	1798	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/3/2016	72094	0814	PICKUP	1	19.21	1.00		\$19.21		
6/3/2016	72094	1530	GUTHERY THOMAS	2	22.81	1.00	\$22.81			
7/19/2016	72132	1798	TALTON STEVEN W	1	18.22	0.36	\$6.56			
7/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
Road Id - 002744- WEST HILL SIDE DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
7/18/2016	72131	1798	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 002754- WHESENANT ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/7/2016	72097	1798	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/7/2016	72097	1012	TRUCK-HERBICIDE	1	42.01	1.00		\$42.01		
9/14/2016	72182	1798	TALTON STEVEN W	1	18.22	0.77	\$14.03			
9/14/2016	72182	1012	TRUCK-HERBICIDE	1	39.52	0.77		\$30.44		
Road Id - 002755- WHISPERING PINES ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/17/2016	72106	1798	TALTON STEVEN W	2	26.43	0.38	\$10.06			
6/17/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$15.97		
Road Id - 002759- WHITE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/29/2016	72116	1798	TALTON STEVEN W	1	18.22	0.59	\$10.75			
6/29/2016	72116	1012	TRUCK-HERBICIDE	1	42.01	0.59		\$24.79		
Road Id - 002762- WHITES CHAPEL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/7/2016	72097	1530	GUTHERY THOMAS	1	15.66	0.46	\$7.21			
6/7/2016	72097	1013	TRUCK-HERBICIDE-2000	1	42.01	0.46		\$19.33		
6/7/2016	72097	2000	WATER	GAL	0.00	2,000.00			\$0.00	
6/7/2016	72097	0910	HERBICIDE-MISMA (TARGET GALLON		21.46	15.00			\$321.90	
6/7/2016	72097	0916	HERBICIDE-DURON 4L GALLON		18.00	15.00			\$270.00	
6/7/2016	72097	0928	HERBICIDE-GROUND ZERO PNT		8.71	2.00			\$17.42	
6/7/2016	72097	0953	HERBICIDE-FOAM BUSTER QT		11.30	0.25			\$2.83	
9/26/2016	72195	1530	GUTHERY THOMAS	1	15.66	0.36	\$5.64			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road Id - 002763- WHITESBORO ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/15/2016	72104	1798	TALTON STEVEN W	1	18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.01		
8/2/2016	72164	1798	TALTON STEVEN W	1	18.22	0.50	\$9.11			

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Project Id - 28408-HERBICIDE PROGRAM										
Road Id - 002763- WHITESBORO ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
8/2/2016	72144	0014	PICKUP	1	18.07	0.50		\$9.04		
8/2/2016	72144	1530	GUTHRY THOMAS	1	15.66	0.50	\$7.83			
Road Id - 002766- WHITWORTH DR										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/7/2016	72097	1530	GUTHRY THOMAS	1	15.66	0.53	\$8.30			
6/7/2016	72097	1013	TRUCK-HERBICIDE-2000	1	42.01	0.53		\$22.27		
9/14/2016	72182	1530	GUTHRY THOMAS	1	15.66	0.71	\$11.12			
9/14/2016	72182	1013	TRUCK-HERBICIDE-2000	1	39.52	0.71		\$28.06		
Road Id - 002768- WHORTON BEND ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/20/2016	72059	1198	TALTON STEVEN W	1	18.22	0.65	\$11.85			
4/20/2016	72059	1013	TRUCK-HERBICIDE	1	42.01	0.65		\$27.31		
4/20/2016	72059	2000	WATER	GAL	0.00	2,000.00			\$0.00	
4/20/2016	72059	0911	HERBICIDE-2,4 D AMNE	GALLON	14.13	22.50			\$317.50	
4/20/2016	72059	0906	HERBICIDE-SULFOMET	LB	28.05	1.88			\$12.60	
4/20/2016	72059	0928	HERBICIDE-GROUND ZIRBO	PNT	8.71	1.00			\$8.71	
8/23/2016	72162	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
8/23/2016	72162	0014	PICKUP	1	18.07	0.52		\$9.40		
8/23/2016	72162	1530	GUTHRY THOMAS	1	15.66	0.52	\$8.15			
Road Id - 002771- WILCONSON DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/24/2016	72112	1198	TALTON STEVEN W	2	26.45	0.50	\$13.23			
6/24/2016	72112	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
Road Id - 002774- WILLETT ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/10/2016	72100	1198	TALTON STEVEN W	2	26.45	0.53	\$14.02			
6/10/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.53		\$22.27		
9/12/2016	72180	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/12/2016	72180	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 002777- WILLIAMSBURG ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
8/10/2016	72151	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
8/10/2016	72151	0014	PICKUP	1	18.07	0.66		\$11.93		
8/10/2016	72151	1530	GUTHRY THOMAS	1	15.66	0.66	\$10.34			
9/28/2016	72197	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/28/2016	72197	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road Id - 002780- WILLOW CREEK ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/25/2016	72137	1530	GUTHRY THOMAS	1	15.66	0.50	\$7.83			
7/25/2016	72137	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road Id - 002784- WILLS CREEK ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/9/2016	72074	1198	TALTON STEVEN W	1	18.22	1.11	\$20.23			
5/9/2016	72074	0014	PICKUP	1	19.21	1.11		\$21.33		
5/9/2016	72074	0910	HERBICIDE-MSMA (TARGET	GALLON	21.46	1.00			\$21.46	
5/9/2016	72074	0912	HERBICIDE-ROUNDUPGLY	GALLON	14.49	0.13			\$1.83	
5/9/2016	72074	2000	WATER	GAL	0.00	50.00			\$0.00	
5/9/2016	72074	1530	GUTHRY THOMAS	1	15.66	1.11	\$17.39			

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Date	District	M	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 002784- WILLS CREEK ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 6										
8/23/2016	72162	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
8/23/2016	72162	0814	PICKUP	1	18.07	0.52		\$9.60		
8/23/2016	72162	1130	GUTHERY THOMAS	1	15.66	0.52	\$8.15			
Road Id - 002795- WENNGHAM DR										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/18/2016	72057	1130	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.41		\$17.23		
9/23/2016	72191	1130	GUTHERY THOMAS	2	22.81	0.43	\$10.27			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.79		
Road Id - 002809- WHENN RD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/22/2016	72118	1198	TALTON STEVEN W	1	18.22	0.91	\$16.59			
6/22/2016	72118	1012	TRUCK-HERBICIDE	1	42.01	0.91		\$38.23		
8/15/2016	72155	1198	TALTON STEVEN W	1	18.22	0.77	\$14.83			
8/15/2016	72155	0814	PICKUP	1	18.07	0.77		\$13.92		
8/15/2016	72155	1130	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/21/2016	72189	1198	TALTON STEVEN W	1	18.22	0.66	\$12.83			
9/21/2016	72189	1012	TRUCK-HERBICIDE	1	39.52	0.66		\$28.09		
Road Id - 002814- YATES ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/21/2016	72060	1130	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
4/21/2016	72060	1013	TRUCK-HERBICIDE-2000	1	42.01	0.66		\$27.73		
8/15/2016	72155	1198	TALTON STEVEN W	1	18.22	0.77	\$14.83			
8/15/2016	72155	0814	PICKUP	1	18.07	0.77		\$13.92		
8/15/2016	72155	1130	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
Road Id - 002819- YOUNGS CHAPEL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/19/2016	72058	1130	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/19/2016	72058	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
10/2/2016	72135	1130	GUTHERY THOMAS	2	22.81	0.99	\$13.46			
10/2/2016	72135	1013	TRUCK-HERBICIDE-2000	1	39.52	0.99		\$23.32		
8/30/2016	72168	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
8/30/2016	72168	0814	PICKUP	1	18.07	0.71		\$12.83		
8/30/2016	72168	1130	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
Road Id - 002829- GRANDVIEW DR										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/29/2016	72116	1198	TALTON STEVEN W	1	18.22	0.99	\$10.73			
6/29/2016	72116	1012	TRUCK-HERBICIDE	1	42.01	0.99		\$24.79		
8/16/2016	72156	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/16/2016	72156	0814	PICKUP	1	18.07	0.67		\$12.11		
8/16/2016	72156	1130	GUTHERY THOMAS	1	15.66	0.67	\$10.50			
Road Id - 002830- HARDIE LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/2/2016	72139	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
10/2/2016	72139	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road Id - 002831- LAURA ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/13/2016	72106	1198	TALTON STEVEN W	2	26.45	0.38	\$10.06			

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Date	DFM	ID	Description	Rate ID	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Cost
Project ID - 28-018-18HERBICIDE PROGRAM										
Road ID - 002831- LAURA ROAD										
Activity ID 401 Herbicide Treatment										
Road District -3										
6/17/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$15.97		
7/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road ID - 002832- LAUREL LANE										
Activity ID 401 Herbicide Treatment										
Road District -3										
4/25/2016	72062	1198	TALTON STEVEN W	1	18.22	0.43	\$8.20			
4/25/2016	72062	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.91		
Road ID - 002834- GREEN VALLEY ROAD										
Activity ID 401 Herbicide Treatment										
Road District -1										
4/20/2016	72059	1130	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/20/2016	72059	1012	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
5/3/2016	72069	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
5/3/2016	72069	0814	PICKUP	1	19.23	0.76		\$14.60		
5/3/2016	72069	1130	GUTHERY THOMAS	1	15.66	0.76	\$11.91			
10/6/2016	72138	1130	GUTHERY THOMAS	1	15.66	0.76	\$11.91			
10/6/2016	72138	1012	TRUCK-HERBICIDE-2000	1	39.52	0.76		\$30.04		
10/6/2016	72138	2000	WATER	1 GAL	0.00	2,000.00			\$0.00	
10/6/2016	72138	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	15.00			\$321.90	
10/6/2016	72138	0916	HERBICIDE-GLURON 4L GALLON		18.00	15.00			\$270.00	
10/6/2016	72138	0928	HERBICIDE-GROUND ZERO PNYF		8.71	2.00			\$17.42	
10/6/2016	72138	0903	HERBICIDE-FOAM BUSTER QT		11.30	0.25			\$2.83	
8/24/2016	72163	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/24/2016	72163	0814	PICKUP	1	18.07	0.67		\$12.11		
8/24/2016	72163	1130	GUTHERY THOMAS	1	15.66	0.67	\$10.58			
Road ID - 002835- MOUNTAIN VIEW CHURCH RD										
Activity ID 401 Herbicide Treatment										
Road District -4										
6/29/2016	72116	1198	TALTON STEVEN W	1	18.22	0.59	\$10.75			
6/29/2016	72116	1012	TRUCK-HERBICIDE	1	42.01	0.59		\$24.79		
6/30/2016	72123	1198	TALTON STEVEN W	1	18.22	0.70	\$12.76			
6/30/2016	72123	1012	TRUCK-HERBICIDE	1	42.01	0.70		\$29.41		
8/18/2016	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	1130	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/13/2016	72185	1198	TALTON STEVEN W	2	26.45	1.00	\$26.45			
9/13/2016	72185	1012	TRUCK-HERBICIDE	1	39.52	1.00		\$39.52		
Road ID - 002838- CEDAR DRIVE										
Activity ID 401 Herbicide Treatment										
Road District -2										
6/23/2016	72114	1130	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
6/23/2016	72114	1012	TRUCK-HERBICIDE-2000	1	42.01	0.59		\$24.79		
Road ID - 002839- NELSON WILLIAMS ROAD										
Activity ID 401 Herbicide Treatment										
Road District -3										
6/13/2016	72102	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/13/2016	72102	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
9/23/2016	72191	1198	TALTON STEVEN W	2	26.45	0.56	\$54.82			
9/23/2016	72191	1012	TRUCK-HERBICIDE	1	39.52	0.56		\$22.14		
Road ID - 002841- WESLEY LANE										
Activity ID 401 Herbicide Treatment										
Road District -3										
6/7/2016	72097	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
6/7/2016	72097	1012	TRUCK-HERBICIDE	1	42.01	1.00		\$42.01		

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Date	DJ ID	ID	Description	Rate ID	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project ID - 28-018-HERBICIDE PROGRAM										
Road ID - 002841- WESLEY LANE										
Activity ID - 401 Herbicide Treatment										
Road District -3										
9/14/2016	72182	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
9/14/2016	72182	1012	TRUCK-HERBICIDE	1	39.52	0.77		\$30.44		
Road ID - 002843- CEDAR LANE										
Activity ID - 401 Herbicide Treatment										
Road District -2										
5/3/2016	72069	1198	TALTON STEVEN W	1	18.22	0.36	\$13.85			
5/3/2016	72069	0814	PICKUP	1	19.21	0.76		\$14.60		
5/3/2016	72069	1530	GUTHERY THOMAS	1	15.66	0.36	\$11.91			
6/28/2016	72115	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	72115	1530	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
9/26/2016	72195	1530	GUTHERY THOMAS	1	15.66	0.36	\$5.64			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road ID - 002846- HIBBS CEMETERY ROAD										
Activity ID - 401 Herbicide Treatment										
Road District -3										
8/5/2016	72143	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
8/5/2016	72143	0814	PICKUP	1	18.07	1.00		\$18.07		
8/5/2016	72143	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
Road ID - 002849- GOWENS CIRCLE										
Activity ID - 401 Herbicide Treatment										
Road District -2										
7/25/2016	72137	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
7/25/2016	72137	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Road ID - 002851- GOWENS ROAD										
Activity ID - 401 Herbicide Treatment										
Road District -2										
5/4/2016	72070	1198	TALTON STEVEN W	1	18.22	1.00	\$18.22			
5/4/2016	72070	0814	PICKUP	1	19.21	1.00		\$19.21		
5/4/2016	72070	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
7/25/2016	72137	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
7/25/2016	72137	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
8/25/2016	72164	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/25/2016	72164	0814	PICKUP	1	18.07	0.77		\$13.93		
8/25/2016	72164	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
Road ID - 002857- AGRICOLA DRIVE										
Activity ID - 401 Herbicide Treatment										
Road District -2										
4/18/2016	72057	1530	GUTHERY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.61	0.41		\$17.23		
9/6/2016	72175	1198	TALTON STEVEN W	1	18.22	2.00	\$36.44			
9/6/2016	72175	0814	PICKUP	1	18.07	2.00		\$36.14		
9/6/2016	72175	1530	GUTHERY THOMAS	1	15.66	2.00	\$31.32			
Road ID - 002858- ANTIOCH ROAD										
Activity ID - 401 Herbicide Treatment										
Road District -2										
6/7/2016	72097	1530	GUTHERY THOMAS	1	15.66	0.53	\$8.30			
6/7/2016	72097	1013	TRUCK-HERBICIDE-2000	1	42.61	0.53		\$22.27		
9/14/2016	72182	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
9/14/2016	72182	1013	TRUCK-HERBICIDE-2000	1	39.52	0.71		\$28.06		
Road ID - 002861- BELLWOOD PL										
Activity ID - 401 Herbicide Treatment										
Road District -2										
4/20/2016	72059	1530	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/20/2016	72059	1013	TRUCK-HERBICIDE-2000	1	42.61	0.58		\$24.37		

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 002861- DELLYWOOD PL.										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/1/2016	72092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
9/19/2016	72187	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/19/2016	72187	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
Road Id - 002862- MOUNTAIN CREEK DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/20/2016	72059	1530	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
4/20/2016	72059	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
6/1/2016	72092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
9/19/2016	72187	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/19/2016	72187	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
Road Id - 002865- GRANGER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/27/2016	72114	1530	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
6/27/2016	72114	1013	TRUCK-HERBICIDE-2000	1	42.01	0.59		\$24.79		
9/26/2016	72195	1530	GUTHERY THOMAS	1	15.66	0.36	\$5.64			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road Id - 002870- GRAYSON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
5/2/2016	72068	1198	TALTON STEVEN W	1	18.22	1.50	\$27.33			
5/2/2016	72068	0814	PICKUP	1	19.21	1.50		\$28.82		
5/2/2016	72068	1530	GUTHERY THOMAS	1	15.66	1.50	\$23.49			
6/24/2016	72112	1530	GUTHERY THOMAS	2	22.81	0.52	\$11.87			
6/24/2016	72112	1013	TRUCK-HERBICIDE-2000	1	42.01	0.52		\$21.85		
8/16/2016	72169	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
8/16/2016	72169	0814	PICKUP	1	18.07	0.55		\$9.94		
8/16/2016	72169	1530	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
Road Id - 002872- GREEN LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/21/2016	72109	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
6/21/2016	72109	1013	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
8/10/2016	72151	1198	TALTON STEVEN W	1	18.22	0.66	\$12.03			
8/10/2016	72151	0814	PICKUP	1	18.07	0.66		\$11.93		
8/10/2016	72151	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/27/2016	72196	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
9/27/2016	72196	1013	TRUCK-HERBICIDE	1	39.52	0.45		\$13.79		
Road Id - 002876- GREENBRIER WAY										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
5/5/2016	72071	1198	TALTON STEVEN W	1	18.22	0.83	\$15.13			
5/5/2016	72071	0814	PICKUP	1	19.21	0.83		\$15.95		
5/5/2016	72071	1530	GUTHERY THOMAS	1	15.66	0.83	\$13.00			
Road Id - 002877- CEDAR CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/20/2016	72116	1198	TALTON STEVEN W	1	18.22	0.59	\$10.75			
6/20/2016	72116	1013	TRUCK-HERBICIDE	1	42.01	0.59		\$24.79		
Road Id - 002879- CHRIS DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-04HERBICIDE PROGRAM										
Road Id - 002879- CHERIS DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/19/2016	72058	1530	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
6/19/2016	72058	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
7/23/2016	72135	1530	GUTHERY THOMAS	2	22.81	0.99	\$13.46			
7/23/2016	72135	1013	TRUCK-HERBICIDE-2000	1	39.52	0.99		\$23.32		
Road Id - 002882- FOX RUN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/7/2016	72097	1530	GUTHERY THOMAS	1	15.66	0.53	\$8.30			
6/7/2016	72097	1013	TRUCK-HERBICIDE-2000	1	42.01	0.53		\$22.25		
9/14/2016	72182	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
9/14/2016	72182	1013	TRUCK-HERBICIDE-2000	1	39.52	0.71		\$28.06		
Road Id - 002884- NOOJEN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/16/2016	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		
Road Id - 002885- USRY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/19/2016	72058	1530	GUTHERY THOMAS	1	15.66	0.58	\$9.09			
6/19/2016	72058	1013	TRUCK-HERBICIDE-2000	1	42.01	0.58		\$24.37		
7/23/2016	72135	1530	GUTHERY THOMAS	2	22.81	0.99	\$13.46			
7/23/2016	72135	1013	TRUCK-HERBICIDE-2000	1	39.52	0.99		\$23.32		
Road Id - 002890- GREEN LEAF ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
4/26/2016	72063	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
4/26/2016	72063	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
7/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.56			
7/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
8/24/2016	72163	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/24/2016	72163	0804	PICKUP	1	18.07	0.67		\$12.11		
8/24/2016	72163	1530	GUTHERY THOMAS	1	15.66	0.67	\$10.50			
Road Id - 002893- SPRING OAKS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
7/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.56			
7/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
Road Id - 002894- MORGAN DRIVE N.W.										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/17/2016	72106	1198	TALTON STEVEN W	2	26.45	0.38	\$10.06			
6/17/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$15.97		
Road Id - 002895- MADISON WAY										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/17/2016	72106	1198	TALTON STEVEN W	2	26.45	0.38	\$10.06			
6/17/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$15.97		
Road Id - 002900- OLD NELSON GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
8/17/2016	72157	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/17/2016	72157	0804	PICKUP	1	18.07	0.77		\$13.92		
8/17/2016	72157	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
Road Id - 002901- STONKHER ROAD										

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Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 002901- STONICHER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
8/17/2016	72157	1198	TALTON STEVEN W	1	18.22	0.77	\$14.83			
8/17/2016	72157	0814	PICKUP	1	18.07	0.77		\$13.30		
8/17/2016	72157	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
Road Id - 002909- DANIEL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/1/2016	72092	1530	GUTHERY THOMAS	1	15.66	0.29	\$4.55			
6/1/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$12.19		
9/21/2016	72189	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
9/21/2016	72189	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
Road Id - 002910- PHYLLIS DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/19/2016	72132	1530	GUTHERY THOMAS	1	15.66	0.38	\$5.96			
3/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
9/27/2016	72196	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/27/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road Id - 002911- ANNITA DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/27/2016	72114	1530	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
6/27/2016	72114	1013	TRUCK-HERBICIDE-2000	1	42.01	0.59		\$24.79		
9/26/2016	72195	1530	GUTHERY THOMAS	1	15.66	0.36	\$5.64			
9/26/2016	72195	1013	TRUCK-HERBICIDE-2000	1	39.52	0.36		\$14.23		
Road Id - 002917- SPRING AVENUE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/2/2016	72093	1530	GUTHERY THOMAS	1	15.66	1.00	\$15.66			
6/2/2016	72093	1013	TRUCK-HERBICIDE-2000	1	42.01	1.00		\$42.01		
9/19/2016	72187	1530	GUTHERY THOMAS	1	15.66	0.66	\$10.34			
9/19/2016	72187	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
Road Id - 002918- EDWARDS LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/7/2016	72097	1530	GUTHERY THOMAS	1	15.66	0.53	\$8.30			
6/7/2016	72097	1013	TRUCK-HERBICIDE-2000	1	42.01	0.53		\$22.27		
9/14/2016	72182	1530	GUTHERY THOMAS	1	15.66	0.71	\$11.12			
9/14/2016	72182	1013	TRUCK-HERBICIDE-2000	1	39.52	0.71		\$28.06		
Road Id - 002923- NEELY NORMA LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/18/2016	72057	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/18/2016	72057	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
6/17/2016	72106	1198	TALTON STEVEN W	2	26.45	0.38	\$10.06			
6/17/2016	72106	1012	TRUCK-HERBICIDE	1	42.01	0.38		\$13.97		
9/27/2016	72196	1198	TALTON STEVEN W	1	18.22	0.45	\$8.20			
9/27/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.45		\$17.79		
Road Id - 002925- THOMPSON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
5/12/2016	72077	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
5/12/2016	72077	0815	PICKUP	1	19.21	0.55		\$10.37		
5/12/2016	72077	1530	GUTHERY THOMAS	1	15.66	0.55	\$8.62			
Road Id - 002928- FIRE LANE ROAD										
Activity Id - 401 Herbicide Treatment										

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Date	Dist	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 002928- FIRE LANE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/26/2016	72063	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
4/26/2016	72063	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
7/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 002929- HILL SIDE DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/25/2016	72062	1198	TALTON STEVEN W	1	18.22	0.53	\$10.03			
4/25/2016	72062	1012	TRUCK-HERBICIDE	1	42.01	0.53		\$23.11		
Road Id - 002930- MCDANIEL LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/19/2016	72058	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/19/2016	72058	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
Road Id - 002932- MILLER CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/26/2016	72063	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
4/26/2016	72063	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
7/26/2016	72138	1198	TALTON STEVEN W	1	18.22	0.91	\$16.59			
7/26/2016	72138	1012	TRUCK-HERBICIDE	1	39.52	0.91		\$35.97		
8/23/2016	72162	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
8/23/2016	72162	0814	PICKUP	1	18.07	0.52		\$9.40		
8/23/2016	72162	1530	GUTHRY THOMAS	1	15.66	0.52	\$8.15			
Road Id - 002935- GARMON DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 6										
4/29/2016	72039	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
4/29/2016	72039	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
Road Id - 002938- WILDER LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/14/2016	72103	1198	TALTON STEVEN W	1	18.22	0.58	\$10.57			
6/14/2016	72103	1012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
Road Id - 002941- COPELAND DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/19/2016	72100	1198	TALTON STEVEN W	2	26.45	0.53	\$14.02			
6/19/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.53		\$22.27		
Road Id - 002942- THOMPSON CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/14/2016	72103	1198	TALTON STEVEN W	1	18.22	0.58	\$10.57			
6/14/2016	72103	1012	TRUCK-HERBICIDE	1	42.01	0.58		\$24.37		
9/23/2016	72191	1198	TALTON STEVEN W	2	26.45	0.56	\$14.82			
9/23/2016	72191	1012	TRUCK-HERBICIDE	1	39.52	0.56		\$22.14		
Road Id - 002944- ALAN HALLMARK										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/15/2016	72104	1198	TALTON STEVEN W	1	18.22	0.43	\$7.84			
6/15/2016	72104	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.07		
Road Id - 002950- WASHBURN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
4/25/2016	72062	1198	TALTON STEVEN W	1	18.22	0.43	\$8.20			

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Date	District	ID	Description	Rate ID	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project ID - 28-018-14HERBICIDE PROGRAM										
Road ID - 002950- WASHBURN ROAD										
Activity ID 401 Herbicide Treatment										
Road District -3										
4/25/2016	72062	1012	TRUCK-HERBICIDE	1	42.01	0.43		\$18.91		
Road ID - 002951- ELLES ROAD										
Activity ID 401 Herbicide Treatment										
Road District -3										
4/18/2016	72057	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			
4/18/2016	72057	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
9/21/2016	72196	1198	TALTON STEVEN W	1	18.22	0.43	\$8.20			
9/21/2016	72196	1012	TRUCK-HERBICIDE	1	39.52	0.43		\$17.79		
Road ID - 002954- LEETH GAP CEMETARY ROAD										
Activity ID 401 Herbicide Treatment										
Road District -3										
9/22/2016	72190	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
9/22/2016	72190	1012	TRUCK-HERBICIDE	1	39.52	0.55		\$21.74		
Road ID - 002963- MCCLAIN DRIVE										
Activity ID 401 Herbicide Treatment										
Road District -3										
7/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.36			
7/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
Road ID - 002964- 20TH AVENUE NW										
Activity ID 401 Herbicide Treatment										
Road District -3										
5/26/2016	72089	1198	TALTON STEVEN W	1	18.22	2.50	\$45.55			
5/26/2016	72089	0814	PICKUP	1	19.21	2.50		\$48.03		
5/26/2016	72089	1530	GUTHRY THOMAS	1	15.66	2.50	\$39.15			
7/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.36			
7/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
Road ID - 002975- LOUIE WORKS DRIVE										
Activity ID 401 Herbicide Treatment										
Road District -3										
9/12/2016	72180	1198	TALTON STEVEN W	1	18.22	0.71	\$12.94			
9/12/2016	72180	1012	TRUCK-HERBICIDE	1	39.52	0.71		\$28.06		
Road ID - 002981- WHORTON BEND AREA										
Activity ID 401 Herbicide Treatment										
Road District -4										
5/13/2016	72078	1198	TALTON STEVEN W	2	26.45	2.50	\$66.13			
5/13/2016	72078	0814	PICKUP	1	19.21	2.50		\$48.03		
5/13/2016	72078	1530	GUTHRY THOMAS	2	22.81	2.50	\$57.03			
6/9/2016	72099	1198	TALTON STEVEN W	1	18.22	10.00	\$182.20			
6/9/2016	72099	1012	TRUCK-HERBICIDE	1	42.01	10.00		\$420.10		
6/9/2016	72099	0910	HERBICIDE-MSMA (TARGET GALLON		21.46	13.00			\$321.90	
6/9/2016	72099	0916	HERBICIDE-DURON 4L GALLON		18.00	13.00			\$270.00	
6/9/2016	72099	0928	HERBICIDE-GROUND ZERO PNT		8.71	1.00			\$8.71	
6/9/2016	72099	2000	WATER GAL		0.00	2,000.00			\$0.00	
8/24/2016	72163	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			
8/24/2016	72163	0814	PICKUP	1	18.07	0.67		\$12.11		
8/24/2016	72163	1530	GUTHRY THOMAS	1	15.66	0.67	\$10.30			
9/6/2016	72175	1198	TALTON STEVEN W	1	18.22	2.00	\$36.44			
9/6/2016	72175	0814	PICKUP	1	18.07	2.00		\$36.14		
9/6/2016	72175	1530	GUTHRY THOMAS	1	15.66	2.00	\$31.32			
Road ID - 003030- HOWELTON CEMETERY ROAD										
Activity ID 401 Herbicide Treatment										
Road District -3										
6/20/2016	72108	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
6/20/2016	72108	1012	TRUCK-HERBICIDE	1	43.01	0.76		\$31.93		
8/16/2016	72156	1198	TALTON STEVEN W	1	18.22	0.67	\$12.21			

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Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 003030 - HOWELTON CEMETERY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
8/16/2016	72156	0814	PICKUP	1	18.07	0.67		\$12.11		
8/16/2016	72156	1530	GUTHERY THOMAS	1	15.66	0.67	\$10.50			
Road Id - 003049 - GALLANT COVE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/26/2016	72063	1198	TALTON STEVEN W	1	18.22	0.50	\$9.11			
4/26/2016	72063	1012	TRUCK-HERBICIDE	1	42.01	0.50		\$21.01		
7/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.63		
Road Id - 003050 - RIDGEVIEW DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
6/30/2016	72123	1198	TALTON STEVEN W	1	18.22	0.70	\$12.76			
6/30/2016	72123	1012	TRUCK-HERBICIDE	1	42.01	0.70		\$29.41		
8/18/2016	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	1530	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
9/17/2016	72183	1198	TALTON STEVEN W	2	36.45	1.00	\$26.45			
9/17/2016	72183	1012	TRUCK-HERBICIDE	1	39.52	1.00		\$39.52		
Road Id - 003051 - LAKEWOOD COVE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/20/2016	72059	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
4/20/2016	72059	1012	TRUCK-HERBICIDE	1	42.01	0.55		\$23.11		
Road Id - 003063 - GIBBLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
7/19/2016	72132	1530	GUTHERY THOMAS	1	15.66	0.38	\$5.96			
7/19/2016	72132	1013	TRUCK-HERBICIDE-2000	1	39.52	0.38		\$15.02		
9/27/2016	72196	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
9/27/2016	72196	1013	TRUCK-HERBICIDE-2000	1	39.52	0.43		\$17.00		
Road Id - 003067 - TILLYSON BEND AREA										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
7/19/2016	72132	1198	TALTON STEVEN W	1	18.22	0.36	\$6.56			
7/19/2016	72132	1012	TRUCK-HERBICIDE	1	39.52	0.36		\$14.23		
Road Id - 003069 - CROFT FERRY ROAD AREA										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
8/25/2016	72164	1198	TALTON STEVEN W	1	18.22	0.77	\$14.03			
8/25/2016	72164	0814	PICKUP	1	18.07	0.77		\$13.92		
8/25/2016	72164	1530	GUTHERY THOMAS	1	15.66	0.77	\$12.06			
Road Id - 003071 - SHELTON CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
5/3/2016	72069	1198	TALTON STEVEN W	1	18.22	0.76	\$13.85			
5/3/2016	72069	0814	PICKUP	1	19.21	0.76		\$14.60		
5/3/2016	72069	1530	GUTHERY THOMAS	1	15.66	0.76	\$11.91			
9/1/2016	72171	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	72171	1530	GUTHERY THOMAS	1	15.66	0.43	\$6.74			
Road Id - 003074 - CANOE CREEK ROAD, N										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/19/2016	72018	1198	TALTON STEVEN W	1	18.22	0.52	\$9.48			

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 003074- CANOE CREEK ROAD, N										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
4/19/2016	72058	1012	TRUCK-HERBICIDE	1	42.01	0.52		\$21.85		
7/18/2016	72131	1198	TALTON STEVEN W	1	18.22	0.37	\$6.75			
7/18/2016	72131	1012	TRUCK-HERBICIDE	1	39.52	0.37		\$14.61		
7/26/2016	72138	1198	TALTON STEVEN W	1	18.22	0.91	\$16.59			
7/26/2016	72138	1012	TRUCK-HERBICIDE	1	39.52	0.91		\$35.97		
Road Id - 003078- CENTER STREET										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/3/2016	72092	1530	GUTHRY THOMAS	1	15.66	0.29	\$4.55			
6/3/2016	72092	1013	TRUCK-HERBICIDE-2000	1	42.01	0.29		\$13.19		
9/23/2016	72191	1530	GUTHRY THOMAS	2	22.81	0.45	\$10.27			
9/23/2016	72191	1013	TRUCK-HERBICIDE-2000	1	39.52	0.45		\$17.79		
Road Id - 003082- HILL TOP DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/24/2016	72112	1530	GUTHRY THOMAS	2	22.81	0.52	\$11.87			
6/24/2016	72112	1013	TRUCK-HERBICIDE-2000	1	42.01	0.52		\$21.85		
Road Id - 003083- JENKINS CIRCLE S										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
7/21/2016	72134	1530	GUTHRY THOMAS	1	15.66	0.90	\$14.10			
7/21/2016	72134	1013	TRUCK-HERBICIDE-2000	1	39.52	0.90		\$35.57		
Road Id - 003110- OLD HWY 411										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
8/19/2016	72187	1530	GUTHRY THOMAS	1	15.66	0.66	\$10.34			
8/19/2016	72187	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
Road Id - 004009- JENKINS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/18/2016	72057	1530	GUTHRY THOMAS	1	15.66	0.41	\$6.43			
4/18/2016	72057	1013	TRUCK-HERBICIDE-2000	1	42.01	0.41		\$17.23		
7/18/2016	72131	1530	GUTHRY THOMAS	1	15.66	0.66	\$10.34			
7/18/2016	72131	1013	TRUCK-HERBICIDE-2000	1	39.52	0.66		\$26.09		
8/31/2016	72169	1198	TALTON STEVEN W	1	18.22	0.55	\$10.03			
8/31/2016	72169	0814	PICKUP	1	18.07	0.55		\$9.94		
8/31/2016	72169	1530	GUTHRY THOMAS	1	15.66	0.55	\$8.62			
Road Id - 004103- FINE HILLS WAY										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
4/9/2016	72046	1530	GUTHRY THOMAS	1	15.66	0.77	\$12.06			
4/9/2016	72046	1013	TRUCK-HERBICIDE-2000	1	42.01	0.77		\$32.33		
7/21/2016	72134	1530	GUTHRY THOMAS	1	15.66	0.90	\$14.30			
7/21/2016	72134	1013	TRUCK-HERBICIDE-2000	1	39.52	0.90		\$35.57		
9/28/2016	72197	1530	GUTHRY THOMAS	1	15.66	1.00	\$15.66			
9/28/2016	72197	1013	TRUCK-HERBICIDE-2000	1	39.52	1.00		\$39.52		
Road Id - 004108- WYCKOFF ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
6/10/2016	72100	1198	TALTON STEVEN W	2	26.40	0.53	\$14.02			
6/10/2016	72100	1012	TRUCK-HERBICIDE	1	42.01	0.53		\$22.27		
Road Id - 004111- CHAMPION ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
6/28/2016	72115	1198	TALTON STEVEN W	1	18.22	0.39	\$10.75			

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Project ID - 28-018-18HERBICIDE PROGRAM										
Road ID - 004811- CHAMPION ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
6/28/2016	72115	0804	PICKUP	1	19.21	0.59		\$11.34		
6/28/2016	72113	1130	GUTHERY THOMAS	1	15.66	0.59	\$9.24			
Road ID - 004815- CREEK ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
10/25/2016	72137	1130	GUTHERY THOMAS	1	15.66	0.50	\$7.83			
10/25/2016	72137	1013	TRUCK-HERBICIDE-2000	1	39.52	0.50		\$19.76		
Project Cost by Category							\$24,664.24	\$34,274.89	\$32,644.08	\$0.00
Total Project Cost										\$91,583.61

Project ID - 28-018-18HERBICIDE PROGRAM										
Road ID - -										
Activity ID - 401 Herbicide Treatment										
Road District -										
3/7/2017	72328	1130	GUTHERY THOMAS	1	66.01	10.00	\$660.10			
Road ID - 000091-21 CENTRE ROAD (CORD 70)										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
10/29/2016	72213	1130	GUTHERY THOMAS	1	66.01	0.77	\$12.33			
10/29/2016	72213	1071	TANKER-2002	1	33.03	0.77		\$25.44		
11/18/2016	72242	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
11/18/2016	72242	1012	TANKER-2000	1	39.52	1.00		\$39.52		
3/8/2017	72329	1130	GUTHERY THOMAS	1	66.01	0.79	\$11.21			
3/8/2017	72329	1071	TANKER-2002	1	35.75	0.79		\$25.03		
3/8/2017	72329	2000	WATER	GAL	0.00	2,000.00			\$0.00	
3/8/2017	72329	0911	HERBICIDE-2,4 D AMINE	GALLON	13.68	22.50			\$307.80	
3/8/2017	72329	0909	HERBICIDE-GLIST	POUND	25.78	0.25			\$6.45	
3/8/2017	72329	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$17.42	
3/8/2017	72329	0913	HERBICIDE-FOAM BUSTER	QT	5.15	0.50			\$2.58	
3/9/2017	72330	1130	GUTHERY THOMAS	1	66.01	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road ID - 000015- ALFORD ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
10/14/2016	72210	1130	GUTHERY THOMAS	1	66.01	0.72	\$11.53			
10/14/2016	72210	1013	TANKER-2000	1	39.52	0.72		\$28.46		
Road ID - 000017- ALFORDS BEND CIRCLE										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
10/19/2016	72214	1130	GUTHERY THOMAS	1	66.01	0.50	\$8.01			
10/19/2016	72214	1071	TANKER-2002	1	33.03	0.50		\$16.52		
3/9/2017	72330	1130	GUTHERY THOMAS	1	66.01	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road ID - 000018- ALFORDS BEND ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
10/19/2016	72214	1130	GUTHERY THOMAS	1	66.01	0.50	\$8.01			
10/19/2016	72214	1071	TANKER-2002	1	33.03	0.50		\$16.52		
3/9/2017	72330	1130	GUTHERY THOMAS	1	66.01	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road ID - 000019- ALFREDA DRIVE										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
3/21/2017	72340	1130	GUTHERY THOMAS	1	66.01	0.42	\$6.73			

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000019- ALFREDA DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/21/2017	72348	1071	TANKER-2002	1	35.75	0.42		\$13.02		
Road Id - 000022- ALLEN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/8/2017	72329	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/8/2017	72329	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road Id - 000023- AQUA VISTA DR E										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/20/2017	72339	1530	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 000024- AQUA VISTA DR W										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/20/2017	72339	1530	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 000028- ARLEDGE DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
10/19/2016	72214	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Road Id - 000035- ADCOCK-MAYO ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
10/19/2016	72214	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Road Id - 000038- ALLENSTEIN BOULEVARD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/20/2017	72339	1530	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 000039- ALLWAL DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
3/30/2017	72348	1198	TALTON STEVEN	1	13.31	0.50	\$6.66			
3/30/2017	72348	1012	TANKER-2000	1	42.21	0.50		\$21.11		
Road Id - 000049- ANDERSON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/20/2017	72339	1530	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 000054- ANNA DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
10/19/2016	72214	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Road Id - 000055- APPALACHIAN HIGHWAY										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
11/18/2016	72242	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
11/18/2016	72242	1012	TANKER-2000	1	39.52	1.00		\$39.52		
3/29/2017	72347	1530	GUTHERY THOMAS	1	16.01	1.50	\$24.02			
3/29/2017	72347	1071	TANKER-2002	1	35.75	1.50		\$53.63		
Road Id - 000063- AQUA VESTA ROAD										
Activity Id - 401 Herbicide Treatment										

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Date	BJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000063-c AQUA VESTA ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/20/2017	72339	1530	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 000073-c ASHVILLE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/21/2017	72340	1198	TALTON STEVEN	1	13.31	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1	42.21	0.53		\$22.38		
Road Id - 000076-c AURORA ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
3/30/2017	72348	1198	TALTON STEVEN	1	13.31	0.50	\$6.66			
3/30/2017	72348	1012	TANKER-2000	1	42.21	0.50		\$21.11		
Road Id - 000077-c AVIS DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/21/2017	72340	1530	GUTHERY THOMAS	1	16.01	0.42	\$6.73			
3/21/2017	72340	1071	TANKER-2002	1	35.75	0.42		\$15.02		
Road Id - 000079-c BACHELOR CHAPEL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/19/2016	72214	1530	GUTHERY THOMAS	1	16.01	0.50	\$8.01			
10/19/2016	72214	1071	TANKER-2002	1	33.03	0.50		\$16.52		
3/9/2017	72330	1530	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 000082-c BALD MOUNTAIN CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
11/16/2016	72340	1198	TALTON STEVEN W	1	18.62	0.66	\$12.29			
11/16/2016	72340	1012	TANKER-2000	1	39.52	0.66		\$26.09		
Road Id - 000098-c BASKIN FERRY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/22/2017	72341	1530	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/22/2017	72341	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 000101-c BATTLES ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
10/19/2016	72214	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Road Id - 000103-c BEAGLE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/9/2017	72330	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/9/2017	72330	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road Id - 000104-c BEARSD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/20/2016	72215	1530	GUTHERY THOMAS	1	16.01	0.71	\$11.37			
10/20/2016	72215	1071	TANKER-2002	1	33.03	0.71		\$23.46		
Road Id - 000142-c BLACK BOTTOM ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/8/2017	72329	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/8/2017	72329	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road Id - 000155-c BLUFF ROAD										

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Date	DJ ID	ID	Description	Rate	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Cost
Project ID - 28-018-1HERBICIDE PROGRAM										
Road ID - 000155- BLUFF ROAD										
Activity ID 401 Herbicide Treatment										
Road District -4										
11/15/2016	72239	1198	TALTON STEVEN W	1	18.62	1.25	\$23.28			
11/15/2016	72239	1012	TANKER-2000	1	39.52	1.25		\$49.40		
3/8/2017	72239	1198	TALTON STEVEN	1	13.31	0.50	\$6.66			
3/8/2017	72239	1012	TANKER-2000	1	42.21	0.50		\$21.11		
3/9/2017	72239	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/9/2017	72239	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road ID - 000156- BLYTHE MCDANIEL DRIVE										
Activity ID 401 Herbicide Treatment										
Road District -2										
3/22/2017	72241	1130	GUTHRY THOMAS	1	16.01	0.43	\$6.89			
3/22/2017	72241	1071	TANKER-2000	1	35.75	0.43		\$15.38		
Road ID - 000164- BOLTON STREET										
Activity ID 401 Herbicide Treatment										
Road District -2										
3/26/2017	72239	1130	GUTHRY THOMAS	1	16.01	0.26	\$4.17			
3/26/2017	72239	1071	TANKER-2000	1	35.75	0.26		\$9.30		
Road ID - 000166- BONNIE PLACE										
Activity ID 401 Herbicide Treatment										
Road District -2										
3/21/2017	72240	1130	GUTHRY THOMAS	1	16.01	0.42	\$6.73			
3/21/2017	72240	1071	TANKER-2000	1	35.75	0.42		\$13.62		
Road ID - 000179- BRAZELL MILL ROAD										
Activity ID 401 Herbicide Treatment										
Road District -4										
10/3/2016	72202	1198	TALTON STEVEN W	1	18.62	1.50	\$27.93			
10/3/2016	72202	1012	TRUCK-HERBICIDE	1	39.52	1.50		\$59.28		
3/21/2017	72240	1198	TALTON STEVEN	1	13.31	0.53	\$7.06			
3/21/2017	72240	1012	TANKER-2000	1	42.21	0.53		\$22.38		
Road ID - 000180- BRENTWOOD DRIVE										
Activity ID 401 Herbicide Treatment										
Road District -2										
3/20/2017	72239	1130	GUTHRY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72239	1071	TANKER-2000	1	35.75	0.26		\$9.30		
Road ID - 000191- BRISTOW COVE ROAD										
Activity ID 401 Herbicide Treatment										
Road District -4										
10/13/2016	72212	1198	TALTON STEVEN W	1	18.62	2.00	\$37.24			
10/13/2016	72212	1012	TANKER-2000	1	39.52	2.00		\$79.04		
3/20/2017	72239	1198	TALTON STEVEN	1	13.31	0.55	\$7.33			
3/20/2017	72239	1012	TANKER-2000	1	42.21	0.55		\$23.22		
3/20/2017	72239	0911	HERBICIDE-2.4 D-AMENE	GALLON	13.68	22.10			\$307.80	
3/20/2017	72239	0909	HERBICIDE-OLIST	POUND	25.78	1.88			\$48.34	
3/20/2017	72239	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
3/20/2017	72239	2000	WATER	GAL	0.00	2,000.00			\$0.00	
Road ID - 000192- BRISTOW CREEK ROAD										
Activity ID 401 Herbicide Treatment										
Road District -4										
3/20/2017	72239	1198	TALTON STEVEN	1	13.31	0.63	\$8.39			
3/20/2017	72239	1012	TANKER-2000	1	42.21	0.63		\$26.60		
Road ID - 000195- BROTHERS ROAD										
Activity ID 401 Herbicide Treatment										
Road District -4										
11/16/2016	72240	1198	TALTON STEVEN W	1	18.62	0.66	\$12.29			
11/16/2016	72240	1012	TANKER-2000	1	39.52	0.66		\$26.09		
Road ID - 000214- SUB UNPIERREY ROAD										

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Project Id - 28-018-1HERBICIDE PROGRAM										
Road Id - 000214- BUD UMPHREY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
11/14/2016	72238	1198	TALTON STEVEN W	1	18.62	0.83	\$15.46			
11/14/2016	72238	1012	TANKER-2000	1	39.52	0.83		\$32.81		
3/20/2017	72339	1198	TALTON STEVEN	1	13.31	0.63	\$8.39			
3/20/2017	72339	1012	TANKER-2000	1	42.21	0.63		\$26.60		
Road Id - 000217- BUFFINGTON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -3										
3/20/2017	72348	1198	TALTON STEVEN	1	13.31	0.50	\$6.66			
3/20/2017	72348	1012	TANKER-2000	1	42.21	0.50		\$21.11		
Road Id - 000226- BURTON CUT-OFF										
Activity Id - 401 Herbicide Treatment										
Road District -4										
3/6/2017	72327	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/6/2017	72327	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road Id - 000227- BURTON LOOP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
3/6/2017	72327	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/6/2017	72327	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road Id - 000228- BUS BARN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
3/20/2017	72339	1330	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 000233- BYNUM ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
10/3/2016	72202	1198	TALTON STEVEN W	1	18.62	1.50	\$27.93			
10/3/2016	72202	1012	TRUCK-HERBICIDE	1	39.52	1.50		\$59.28		
Road Id - 000245- CAMPFIRE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
3/8/2017	72329	1330	GUTHERY THOMAS	1	16.01	0.62	\$9.93			
3/8/2017	72329	1071	TANKER-2002	1	35.75	0.62		\$22.17		
Road Id - 000246- CANNON GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
3/30/2017	72348	1330	GUTHERY THOMAS	1	16.01	1.00	\$16.01			
3/30/2017	72348	1071	TANKER-2002	1	35.75	1.00		\$35.75		
Road Id - 000254- CAROLYN COURT										
Activity Id - 401 Herbicide Treatment										
Road District -2										
3/22/2017	72341	1330	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/22/2017	72341	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 000267- CATES ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
3/20/2017	72339	1330	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 000268- CAUSEY LANE										
Activity Id - 401 Herbicide Treatment										
Road District -3										
10/19/2016	72214	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Road Id - 000283- CHARADA LAKE ROAD										

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000283 - CHARADA LAKE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
11/17/2016	72341	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
11/17/2016	72341	1012	TANKER-2000	1	39.52	1.00		\$39.52		
Road Id - 000284 - CHARLEY STREET										
Activity Id - 401 Herbicide Treatment										
Road District -2										
3/26/2017	72339	1530	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/26/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 000292 - CHESTER TODD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
3/8/2017	72329	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/8/2017	72329	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road Id - 000309 - CLANTON STREET SW										
Activity Id - 401 Herbicide Treatment										
Road District -4										
11/19/2016	72342	1198	TALTON STEVEN W	1	18.62	0.50	\$9.31			
11/19/2016	72342	1012	TANKER-2000	1	39.52	0.50		\$19.76		
Road Id - 000322 - COATS BEND CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District -2										
3/21/2017	72340	1530	GUTHERY THOMAS	1	16.01	0.42	\$6.73			
3/21/2017	72340	1071	TANKER-2002	1	35.75	0.42		\$15.02		
3/22/2017	72341	1530	GUTHERY THOMAS	1	16.01	0.54	\$8.65			
3/22/2017	72341	1071	TANKER-2002	1	35.75	0.54		\$19.31		
3/22/2017	72341	2000	WATER	GAL	0.00	2,900.00			\$0.00	
3/22/2017	72341	0911	HERBICIDE-2,4 D AMINE	GALLON	13.68	22.50			\$307.80	
3/22/2017	72341	0928	HERBICIDE-GROUND ZERO	PINT	8.71	1.00			\$17.42	
3/22/2017	72341	0909	HERBICIDE-CRUST	POUND	25.78	1.88			\$48.34	
3/22/2017	72341	0933	HERBICIDE-FOAM BUSTER	QT	5.15	0.50			\$2.58	
Road Id - 000323 - COATS BEND ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
3/21/2017	72340	1530	GUTHERY THOMAS	1	16.01	0.42	\$6.73			
3/21/2017	72340	1071	TANKER-2002	1	35.75	0.42		\$15.02		
3/22/2017	72341	1530	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/22/2017	72341	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 000327 - COFFEY SPRINGS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
10/20/2016	72215	1530	GUTHERY THOMAS	1	16.01	0.71	\$11.37			
10/20/2016	72215	1071	TANKER-2002	1	33.00	0.71		\$23.46		
3/8/2017	72329	1530	GUTHERY THOMAS	1	16.01	0.62	\$9.93			
3/8/2017	72329	1071	TANKER-2002	1	35.75	0.62		\$22.17		
Road Id - 000332 - COLLEGE PARKWAY										
Activity Id - 401 Herbicide Treatment										
Road District -4										
10/3/2016	72202	1530	GUTHERY THOMAS	1	16.01	0.77	\$12.33			
10/3/2016	72202	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
3/29/2017	72347	1530	GUTHERY THOMAS	1	16.01	1.50	\$24.02			
3/29/2017	72347	1071	TANKER-2002	1	35.75	1.50		\$53.63		
Road Id - 000335 - COLVEN GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -1										
10/3/2016	72202	1530	GUTHERY THOMAS	1	16.01	0.77	\$12.33			
10/3/2016	72202	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		

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Date	DJID	ID	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000339- COLVIN GAP ROAD										
Activity Id 401 Herbicide Treatment										
Road District -1										
3/30/2017	72348	1130	GUTHRY THOMAS	1	16.01	1.00	\$16.01			
3/30/2017	72348	1071	TANKER-2002	1	35.75	1.00		\$35.75		
Road Id - 000341- CONSERVATION LAKE ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
11/14/2016	72238	1198	TALTON STEVEN W	1	18.62	0.83	\$15.46			
11/14/2016	72238	1012	TANKER-2000	1	39.52	0.83		\$32.81		
Road Id - 000347- CORNELIA CIRCLE										
Activity Id 401 Herbicide Treatment										
Road District -2										
3/21/2017	72340	1130	GUTHRY THOMAS	1	16.01	0.42	\$6.73			
3/21/2017	72340	1071	TANKER-2002	1	35.75	0.42		\$15.02		
Road Id - 000358- COUNTRY CREEK ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
11/16/2016	72240	1198	TALTON STEVEN W	1	18.62	0.66	\$12.29			
11/16/2016	72240	1012	TANKER-2000	1	39.52	0.66		\$26.09		
Road Id - 000359- COUNTRY HILLS ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
11/16/2016	72240	1198	TALTON STEVEN W	1	18.62	0.66	\$12.29			
11/16/2016	72240	1012	TANKER-2000	1	39.52	0.66		\$26.09		
Road Id - 000370- COVE SPRINGS ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
3/8/2017	72330	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/8/2017	72330	1012	TANKER-2000	1	42.21	1.00		\$42.21		
3/20/2017	72339	1198	TALTON STEVEN	1	13.31	0.63	\$8.39			
3/20/2017	72339	1012	TANKER-2000	1	42.21	0.63		\$26.60		
Road Id - 000377- CRANE CIRCLE										
Activity Id 401 Herbicide Treatment										
Road District -2										
10/20/2016	72213	1130	GUTHRY THOMAS	1	16.01	0.71	\$11.37			
10/20/2016	72213	1071	TANKER-2002	1	33.00	0.71		\$23.46		
Road Id - 000378- CRANSTON DR										
Activity Id 401 Herbicide Treatment										
Road District -2										
3/23/2017	72341	1130	GUTHRY THOMAS	1	16.01	0.43	\$6.89			
3/23/2017	72341	1071	TANKER-2002	1	35.75	0.43		\$15.34		
Road Id - 000380- CREEKSIDE DRIVE										
Activity Id 401 Herbicide Treatment										
Road District -2										
10/20/2016	72213	1130	GUTHRY THOMAS	1	16.01	0.71	\$11.37			
10/20/2016	72213	1071	TANKER-2002	1	33.00	0.71		\$23.46		
3/8/2017	72329	1130	GUTHRY THOMAS	1	16.01	0.62	\$9.93			
3/8/2017	72329	1071	TANKER-2002	1	35.75	0.62		\$22.17		
Road Id - 000389- CROFT FERRY ROAD EAST										
Activity Id 401 Herbicide Treatment										
Road District -2										
3/8/2017	72329	1130	GUTHRY THOMAS	1	16.01	0.62	\$9.93			
3/8/2017	72329	1071	TANKER-2002	1	35.75	0.62		\$22.17		
Road Id - 000395- CROSSON ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
3/8/2017	72329	1198	TALTON STEVEN	1	13.31	0.50	\$6.66			

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Date	District	M	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 000395- CROSSON ROAD										
Activity Id - 400 Herbicide Treatment										
Road District - 4										
3/8/2017	72329	1012	TANKER-2000	1	42.21	0.50		\$21.11		
Road Id - 000398- CRUMP ROAD										
Activity Id - 400 Herbicide Treatment										
Road District - 2										
3/8/2017	72329	1330	GUTHERY THOMAS	1	16.01	0.62	\$9.93			
3/8/2017	72329	1071	TANKER-2002	1	35.75	0.62		\$22.17		
Road Id - 000409- DAUGHETTE DR										
Activity Id - 400 Herbicide Treatment										
Road District - 4										
3/21/2017	72340	1198	TALTON STEVEN	1	13.31	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1	42.21	0.53		\$22.38		
Road Id - 000412- DAY CIRCLE										
Activity Id - 400 Herbicide Treatment										
Road District - 1										
10/19/2016	72214	1330	GUTHERY THOMAS	1	16.01	0.50	\$8.01			
10/19/2016	72214	1071	TANKER-2002	1	33.03	0.50		\$16.52		
3/9/2017	72330	1330	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 000414- DAYS ROAD										
Activity Id - 400 Herbicide Treatment										
Road District - 2										
10/19/2016	72214	1330	GUTHERY THOMAS	1	16.01	0.50	\$8.01			
10/19/2016	72214	1071	TANKER-2002	1	33.03	0.50		\$16.52		
3/9/2017	72330	1330	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 000421- DEE HICKS ROAD										
Activity Id - 400 Herbicide Treatment										
Road District - 4										
10/18/2016	72213	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
10/18/2016	72213	1012	TANKER-2000	1	39.52	1.00		\$39.52		
3/21/2017	72340	1198	TALTON STEVEN	1	13.31	0.46	\$6.13			
3/21/2017	72340	1012	TANKER-2000	1	42.21	0.46		\$19.42		
3/21/2017	72340	0911	HERBICIDE-2,4 D AMINE	GALLON	13.68	22.50			\$307.80	
3/21/2017	72340	0909	HERBICIDE-COUST	POUND	25.78	1.88			\$48.34	
3/21/2017	72340	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
3/21/2017	72340	2000	WATER	GAL	0.00	2,000.00			\$0.00	
Road Id - 000422- DEE NIX ROAD										
Activity Id - 400 Herbicide Treatment										
Road District - 4										
11/14/2016	72238	1198	TALTON STEVEN W	1	18.62	0.83	\$15.46			
11/14/2016	72238	1012	TANKER-2000	1	39.52	0.83		\$32.81		
Road Id - 000437- DOBBINS ROAD										
Activity Id - 400 Herbicide Treatment										
Road District - 4										
3/8/2017	72329	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/8/2017	72329	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road Id - 000440- DOGWOOD DRIVE										
Activity Id - 400 Herbicide Treatment										
Road District - 4										
11/16/2016	72240	1198	TALTON STEVEN W	1	18.62	0.66	\$12.29			
11/16/2016	72240	1012	TANKER-2000	1	39.52	0.66		\$26.09		
Road Id - 000452- DOUBLE A CIRCLE										
Activity Id - 400 Herbicide Treatment										
Road District - 3										
10/19/2016	72214	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			

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Date	Dist	ID	Description	Rate Id	Rate	Units	Emp Cost	Equ Cost	Mat Cost	Con Cost
Project Id - 28-018-1HERBICIDE PROGRAM										
Road Id - 000452- DOUBLE A CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District -3										
10/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Road Id - 000455- DR. JENKINS LANE										
Activity Id - 401 Herbicide Treatment										
Road District -4										
3/21/2017	72340	1198	TALTON STEVEN	1	13.31	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1	42.21	0.53		\$22.38		
Road Id - 000456- DRY CREEK LANE										
Activity Id - 401 Herbicide Treatment										
Road District -2										
10/20/2016	72215	1330	GUTHERY THOMAS	1	16.01	0.71	\$11.37			
10/20/2016	72215	1071	TANKER-2002	1	33.03	0.71		\$23.46		
Road Id - 000450- DURHAM ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
10/18/2016	72213	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
10/18/2016	72213	1012	TANKER-2000	1	39.52	1.00		\$39.52		
3/21/2017	72340	1198	TALTON STEVEN	1	13.31	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1	42.21	0.53		\$22.38		
Road Id - 000478- ELBERT STREET										
Activity Id - 401 Herbicide Treatment										
Road District -2										
3/20/2017	72329	1330	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72329	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 000481- ELLIOTT LANE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
10/20/2016	72215	1330	GUTHERY THOMAS	1	16.01	0.71	\$11.37			
10/20/2016	72215	1071	TANKER-2002	1	33.03	0.71		\$23.46		
3/8/2017	72329	1330	GUTHERY THOMAS	1	16.01	0.42	\$6.93			
3/8/2017	72329	1071	TANKER-2002	1	35.75	0.42		\$22.17		
Road Id - 000483- ELLISON DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District -4										
3/21/2017	72340	1198	TALTON STEVEN	1	13.31	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1	42.21	0.53		\$22.38		
Road Id - 000485- ELROD MOUNTAIN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
3/21/2017	72340	1198	TALTON STEVEN	1	13.31	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1	42.21	0.53		\$22.38		
Road Id - 000496- ELROD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
3/22/2017	72341	1330	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/22/2017	72341	1071	TANKER-2002	1	35.75	0.43		\$13.38		
Road Id - 000491- ESTES ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
10/14/2016	72210	1330	GUTHERY THOMAS	1	16.01	0.72	\$11.33			
10/14/2016	72210	1012	TANKER-2000	1	39.52	0.72		\$28.46		
Road Id - 000498- FAIRVIEW COVE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
11/14/2016	72238	1198	TALTON STEVEN W	1	18.62	0.83	\$15.46			
11/14/2016	72238	1012	TANKER-2000	1	39.52	0.83		\$32.81		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000498- FAIRVIEW COVE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/20/2017	72339	1198	TALTON STEVEN	1	13.31	0.63	\$8.39			
3/20/2017	72339	1012	TANKER-2000	1	42.21	0.63		\$26.60		
Road Id - 000506- FELIX STREET										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/21/2017	72340	1330	GUTHERY THOMAS	1	16.01	0.42	\$6.73			
3/21/2017	72340	1071	TANKER-2002	1	35.75	0.42		\$15.02		
Road Id - 000511- FIRE TOWER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
3/20/2017	72348	1198	TALTON STEVEN	1	13.31	0.50	\$6.66			
3/20/2017	72348	1012	TANKER-2000	1	42.21	0.50		\$21.11		
Road Id - 000512- FITTS FERRY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/20/2017	72339	1330	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 000518- FORD VALLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
3/30/2016	72302	1330	GUTHERY THOMAS	1	16.01	0.77	\$12.33			
3/30/2016	72302	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
3/30/2017	72348	1330	GUTHERY THOMAS	1	16.01	1.00	\$16.01			
3/30/2017	72348	1071	TANKER-2002	1	35.75	1.00		\$35.75		
Road Id - 000524- FOWLER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
09/14/2016	72210	1330	GUTHERY THOMAS	1	16.01	0.72	\$11.53			
09/14/2016	72210	1013	TANKER--2000	1	39.52	0.72		\$28.46		
Road Id - 000538- GALLANT ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
11/14/2016	72238	1198	TALTON STEVEN W	1	18.62	0.83	\$15.46			
11/14/2016	72238	1012	TANKER-2000	1	39.52	0.83		\$32.81		
11/15/2016	72239	1198	TALTON STEVEN W	1	18.62	1.25	\$23.28			
11/15/2016	72239	1012	TANKER-2000	1	39.52	1.25		\$49.40		
11/15/2016	72239	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	15.00			\$494.85	
11/15/2016	72239	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00				\$8.71
11/15/2016	72239	2000	WATER	GAL	0.00	1,000.00				\$0.00
11/16/2016	72240	1198	TALTON STEVEN W	1	18.62	0.76	\$14.14			
11/16/2016	72240	1012	TANKER-2000	1	39.52	0.76		\$30.04		
11/16/2016	72240	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	30.00			\$989.70	
11/16/2016	72240	0928	HERBICIDE-GROUND ZERO	PNT	8.71	3.00				\$17.42
11/16/2016	72240	2000	WATER	GAL	0.00	2,000.00				\$0.00
Road Id - 000541- GANNON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/3/2016	72202	1330	GUTHERY THOMAS	1	16.01	0.77	\$12.33			
10/3/2016	72202	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
Road Id - 000546- GARRY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/21/2017	72340	1198	TALTON STEVEN	1	13.31	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1	42.21	0.53		\$22.38		
Road Id - 000552- GENE BROWN ROAD										

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Date	BJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Com Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000552- GENE BROWN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/8/2017	72329	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/8/2017	72329	1012	TANKER-2000	1	42.21	1.00		\$42.21		
3/8/2017	72329	0911	HERBICIDE-3.4 D AMBUE	GALLON	13.68	22.50			\$307.80	
3/8/2017	72329	0909	HERBICIDE-COUST	POUND	25.78	0.25			\$6.45	
3/8/2017	72329	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
3/8/2017	72329	2000	WATER	GAL	6.00	1,000.00			\$6.00	
Road Id - 000561- GILLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/20/2016	72215	1530	GUTHRY THOMAS	1	16.01	0.71	\$11.37			
10/20/2016	72215	1071	TANKER-2002	1	33.03	0.71		\$23.46		
3/8/2017	72329	1530	GUTHRY THOMAS	1	16.01	0.62	\$9.93			
3/8/2017	72329	1071	TANKER-2002	1	35.75	0.62		\$22.17		
Road Id - 000564- GILLBLAND ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
11/14/2016	72238	1198	TALTON STEVEN W	1	18.62	0.83	\$15.46			
11/14/2016	72238	1012	TANKER-2000	1	39.52	0.83		\$32.81		
Road Id - 000575- GNATVILLE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/14/2016	72210	1530	GUTHRY THOMAS	1	16.01	0.72	\$11.53			
10/14/2016	72210	1012	TANKER-2000	1	39.52	0.72		\$28.46		
Road Id - 000585- GUY HOOD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
11/17/2016	72241	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
11/17/2016	72241	1012	TANKER-2000	1	39.52	1.00		\$39.52		
Road Id - 000609- HANEY RD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/8/2017	72329	1530	GUTHRY THOMAS	1	16.01	0.62	\$9.93			
3/8/2017	72329	1071	TANKER-2002	1	35.75	0.62		\$22.17		
Road Id - 000648- HIGH SCHOOL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/20/2017	72339	1530	GUTHRY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 000664- HILL TOP DR										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
10/19/2016	72214	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Road Id - 000668- HILLWAY DR										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/20/2016	72215	1530	GUTHRY THOMAS	1	16.01	0.71	\$11.37			
10/20/2016	72215	1071	TANKER-2002	1	33.03	0.71		\$23.46		
Road Id - 000678- HOLCOMBE DR										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/21/2017	72340	1530	GUTHRY THOMAS	1	16.01	0.42	\$6.73			
3/21/2017	72340	1071	TANKER-2002	1	35.75	0.42		\$15.02		
Road Id - 000680- BONEYSUCKLE DR										
Activity Id - 401 Herbicide Treatment										

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Date	DJ ID	ID	Description	Rate ID	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project ID - 28-018-HERBICIDE PROGRAM										
Road ID - 000680- HONEYSUCKLE DR										
Activity ID - 401 Herbicide Treatment										
Road District -2										
3/20/2017	72339	1330	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2000	1	35.75	0.26		\$9.30		
Road ID - 000696- HOOKS LAKE ROAD										
Activity ID - 401 Herbicide Treatment										
Road District -5										
3/20/2017	72339	1330	GUTHERY THOMAS	1	16.01	0.12	\$1.93			
3/20/2017	72339	1071	TANKER-2000	1	35.75	0.12		\$4.29		
3/20/2017	72339	2000	WATER	GAL	0.00	2,000.00			\$0.00	
3/20/2017	72339	0911	HERBICIDE-2,4 D AMINE	GALLON	13.68	22.50			\$307.80	
3/20/2017	72339	0903	HERBICIDE-FOAM BUSTER	QT	5.15	0.50			\$2.58	
3/20/2017	72339	0928	HERBICIDE-GROUND ZERO	PNT	8.71	2.00			\$17.42	
Road ID - 000698- HOPE STREET										
Activity ID - 401 Herbicide Treatment										
Road District -3										
3/30/2017	72348	1198	TALTON STEVEN	1	13.31	0.50	\$6.66			
3/30/2017	72348	1012	TANKER-2000	1	42.21	0.50		\$21.11		
Road ID - 000710- HOWELTON CHURCH ROAD										
Activity ID - 401 Herbicide Treatment										
Road District -3										
10/18/2016	72213	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
10/18/2016	72213	1012	TANKER-2000	1	39.52	1.00		\$39.52		
Road ID - 000719- HURST CIRCLE										
Activity ID - 401 Herbicide Treatment										
Road District -4										
10/3/2016	72202	1198	TALTON STEVEN W	1	18.62	1.50	\$27.93			
10/3/2016	72202	1012	TRUCK-HERBICIDE	1	39.52	1.50		\$59.28		
3/6/2017	72327	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/6/2017	72327	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road ID - 000720- HUTCHENS ROAD										
Activity ID - 401 Herbicide Treatment										
Road District -4										
11/16/2016	72240	1198	TALTON STEVEN W	1	18.62	0.66	\$12.29			
11/16/2016	72240	1012	TANKER-2000	1	39.52	0.66		\$26.09		
Road ID - 000721- HUTCHENS AVE										
Activity ID - 401 Herbicide Treatment										
Road District -2										
3/20/2017	72339	1330	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2000	1	35.75	0.26		\$9.30		
Road ID - 000726- INDIAN CAMP ROAD										
Activity ID - 401 Herbicide Treatment										
Road District -5										
3/20/2017	72339	1330	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2000	1	35.75	0.26		\$9.30		
Road ID - 000727- INDIAN HILL ROAD										
Activity ID - 401 Herbicide Treatment										
Road District -2										
3/8/2017	72329	1330	GUTHERY THOMAS	1	16.01	0.62	\$9.93			
3/8/2017	72329	1071	TANKER-2000	1	35.75	0.62		\$22.17		
Road ID - 000740- IVALEE CUTOFF ROAD										
Activity ID - 401 Herbicide Treatment										
Road District -3										
10/19/2016	72214	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Road ID - 000741- IVAN ROAD										
Activity ID - 401 Herbicide Treatment										

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000741- IVAN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/9/2017	72130	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/9/2017	72130	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road Id - 000748- JACKSON TRAIL										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/6/2017	72327	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/6/2017	72327	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road Id - 000760- JENKINS CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
3/9/2017	72348	1130	GUTHERY THOMAS	1	16.01	1.00	\$16.01			
3/9/2017	72348	1071	TANKER-2002	1	35.75	1.00		\$35.75		
Road Id - 000761- JENKINS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
3/9/2017	72348	1130	GUTHERY THOMAS	1	16.01	1.00	\$16.01			
3/9/2017	72348	1071	TANKER-2002	1	35.75	1.00		\$35.75		
Road Id - 000763- JERRY CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/20/2017	72339	1130	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 000764- JERRY LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/22/2017	72341	1130	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/22/2017	72341	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 000775- JOHN L SMITH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/6/2017	72327	1198	TALTON STEVEN	1	13.31	0.50	\$6.66			
3/6/2017	72327	1012	TANKER-2000	1	42.21	0.50		\$21.11		
Road Id - 000776- JOHN WALLS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
11/15/2016	72239	1198	TALTON STEVEN W	1	18.62	1.25	\$23.28			
11/15/2016	72239	1012	TANKER-2000	1	39.52	1.25		\$49.40		
3/9/2017	72130	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/9/2017	72130	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road Id - 000780- JOHNSON CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/19/2016	72214	1130	GUTHERY THOMAS	1	16.01	0.59	\$9.01			
10/19/2016	72214	1071	TANKER-2002	1	33.00	0.59		\$19.52		
3/9/2017	72330	1130	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 000784- JOHNSON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/22/2017	72341	1130	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/22/2017	72341	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 000788- JONES CHAPEL RD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/14/2016	72210	1130	GUTHERY THOMAS	1	16.01	0.72	\$11.53			

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Date	Dist	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 000788- JONES CHAPEL RD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
03/14/2016	72210	1013	TANKER--2000	1	39.52	0.72		\$28.46		
Road Id - 000795- JOSHUA TRAIL										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/30/2017	72339	1530	GUTHRY THOMAS	1	16.01	0.26	\$4.17			
3/30/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 000797- JULIETTE DR										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
11/17/2016	72241	1098	TALTON STEVEN W	1	18.62	1.00	\$18.62			
11/17/2016	72241	1012	TANKER-2000	1	39.52	1.00		\$39.52		
Road Id - 000814- KETH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
11/17/2016	72241	1098	TALTON STEVEN W	1	18.62	1.00	\$18.62			
11/17/2016	72241	1012	TANKER-2000	1	39.52	1.00		\$39.52		
Road Id - 000816- KERRI LANE E										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/9/2017	72330	1098	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/9/2017	72330	1012	TANKER-2000	1	42.23	1.00		\$42.23		
Road Id - 000818- KERRI LANE W										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/9/2017	72330	1098	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/9/2017	72330	1012	TANKER-2000	1	42.23	1.00		\$42.23		
Road Id - 000819- KERSHAW QUARTERS RD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/9/2017	72329	1530	GUTHRY THOMAS	1	16.01	0.62	\$9.83			
3/9/2017	72329	1071	TANKER-2002	1	35.75	0.62		\$22.17		
Road Id - 000822- KILLIAN CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
11/16/2016	72240	1098	TALTON STEVEN W	1	18.62	0.66	\$12.29			
11/16/2016	72240	1012	TANKER-2000	1	39.52	0.66		\$26.09		
Road Id - 000839- KREEKVIEW ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/29/2017	72339	1530	GUTHRY THOMAS	1	16.01	0.26	\$4.17			
3/29/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 000841- LACKEY GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
3/30/2017	72348	1098	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/30/2017	72348	1012	TANKER-2000	1	42.23	1.00		\$42.23		
3/30/2017	72348	0911	HERBICIDE-2,4 D AMINE	GALLON	13.68	11.00			\$150.48	
3/30/2017	72348	0909	HERBICIDE-COUST	POUND	25.78	1.00			\$25.78	
3/30/2017	72348	0028	HERBICIDE-GROUND ZERO	PENT	8.71	1.00			\$8.71	
3/30/2017	72348	2000	WATER	GAL	0.00	1,000.00			\$0.00	
Road Id - 000843- LAKE CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/21/2017	72340	1530	GUTHRY THOMAS	1	16.01	0.42	\$6.73			
3/21/2017	72340	1071	TANKER-2002	1	35.75	0.42		\$15.02		

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000871- LAKEVIEW DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
10/18/2016	72213	1098	TALTON STEVEN W	1	18.62	1.00	\$18.62			
10/18/2016	72213	1012	TANKER-2000	1	39.52	1.00		\$39.52		
Road Id - 000897- LASSETER DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/22/2017	72341	1530	GUTHRY THOMAS	1	16.01	0.43	\$6.89			
3/22/2017	72341	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 000912- LEBANON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/21/2017	72340	1530	GUTHRY THOMAS	1	16.01	0.42	\$6.73			
3/21/2017	72340	1071	TANKER-2002	1	35.75	0.42		\$15.02		
Road Id - 000919- LEE AVENUE										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
11/18/2016	72242	1098	TALTON STEVEN W	1	18.62	1.50	\$27.93			
11/18/2016	72242	1012	TANKER-2000	1	39.52	1.50		\$59.28		
11/18/2016	72242	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	15.00			\$494.85	
11/18/2016	72242	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
11/18/2016	72242	2000	WATER	GAL	0.00	1,000.00			\$0.00	
Road Id - 000922- LEES ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
10/3/2016	72202	1098	TALTON STEVEN W	1	18.62	1.50	\$27.93			
10/3/2016	72202	1012	TRUCK-HERBICIDE	1	39.52	1.50		\$59.28		
3/21/2017	72340	1098	TALTON STEVEN	1	13.31	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1	42.21	0.53		\$22.38		
Road Id - 000947- LILLIAN AVENUE										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
11/18/2016	72242	1098	TALTON STEVEN W	1	18.62	1.00	\$18.62			
11/18/2016	72242	1012	TANKER-2000	1	39.52	1.00		\$39.52		
Road Id - 000958- LIPS COMB DR										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/20/2016	72213	1530	GUTHRY THOMAS	1	16.01	0.71	\$11.37			
10/20/2016	72213	1071	TANKER-2002	1	33.03	0.71		\$23.46		
Road Id - 000963- LISTER FERRY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
10/17/2016	72212	1098	TALTON STEVEN W	1	18.62	2.00	\$37.24			
10/17/2016	72212	1012	TANKER-2000	1	39.52	2.00		\$79.04		
Road Id - 000965- LITTLE COVE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/9/2017	72339	1098	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/9/2017	72339	1012	TANKER-2000	1	42.21	1.00		\$42.21		
3/20/2017	72339	1098	TALTON STEVEN	1	13.31	0.63	\$8.39			
3/20/2017	72339	1012	TANKER-2000	1	42.21	0.63		\$26.60		
Road Id - 000969- LITTLETON CUT OFF ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
10/19/2016	72214	1098	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Road Id - 000970- LITTLETON ROAD										

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Project ID - 28-018-HERBICIDE PROGRAM										
Road Id - 000970 - LITTLETON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
10/19/2016	72214	1198	TALTON STEVEN W	I	18.62	0.55	\$10.25			
10/19/2016	72214	1012	TANKER-2000	I	39.52	0.55		\$21.34		
10/19/2016	72214	0921	HERBICIDE-GALLON 3-A	GALLON	32.99	15.00			\$494.85	
10/19/2016	72214	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
10/19/2016	72214	2000	WATER	GAL	0.00	1,000.00			\$0.00	
Road Id - 000976 - LONGVIEW DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/22/2017	72341	1530	GUTHERY THOMAS	I	16.01	0.43	\$6.89			
3/22/2017	72341	1071	TANKER-2002	I	35.75	0.43		\$15.38		
Road Id - 000977 - LONZ ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
11/19/2016	72242	1198	TALTON STEVEN W	I	18.62	1.50	\$27.93			
11/19/2016	72242	1012	TANKER-2000	I	39.52	1.50		\$59.28		
Road Id - 000980 - LOUIE DUNN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
10/3/2016	72202	1530	GUTHERY THOMAS	I	16.01	0.77	\$12.33			
10/3/2016	72202	1012	TRUCK-HERBICIDES-2000	I	39.52	0.77		\$30.44		
Road Id - 000984 - LOUISE CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/22/2017	72341	1530	GUTHERY THOMAS	I	16.01	0.43	\$6.89			
3/22/2017	72341	1071	TANKER-2002	I	35.75	0.43		\$15.38		
Road Id - 000998 - MACEDONIA ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/22/2017	72341	1530	GUTHERY THOMAS	I	16.01	0.43	\$6.89			
3/22/2017	72341	1071	TANKER-2002	I	35.75	0.43		\$15.38		
Road Id - 001012 - MAPLE DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
11/19/2016	72242	1198	TALTON STEVEN W	I	18.62	1.00	\$18.62			
11/19/2016	72242	1012	TANKER-2000	I	39.52	1.00		\$39.52		
Road Id - 001013 - MAPLE DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/20/2017	72339	1198	TALTON STEVEN	I	13.31	0.63	\$8.39			
3/20/2017	72339	1012	TANKER-2000	I	42.21	0.63		\$26.60		
Road Id - 001019 - MAPLE WOOD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
10/19/2016	72214	1198	TALTON STEVEN W	I	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-2000	I	39.52	0.45		\$17.79		
Road Id - 001037 - MARTIN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/20/2017	72339	1530	GUTHERY THOMAS	I	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	I	35.75	0.26		\$9.30		
Road Id - 001045 - MATT SMITH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
3/20/2017	72347	1530	GUTHERY THOMAS	I	16.01	1.00	\$16.01			
3/20/2017	72347	1071	TANKER-2002	I	35.75	1.00		\$35.75		

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Date	DJ Id	ID	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 001049- MAYO CIRCLE										
Activity Id 401 Herbicide Treatment										
Road District -4										
10/18/2016	72213	1198	TALTON STEVEN W	1	18.62	0.50	\$9.31			
10/18/2016	72213	1012	TANKER-2000	1	39.52	0.50		\$19.76		
3/21/2017	72340	1198	TALTON STEVEN	1	13.31	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1	42.21	0.53		\$22.38		
Road Id - 001050- MAYO ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
10/18/2016	72213	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
10/18/2016	72213	1012	TANKER-2000	1	39.52	1.00		\$39.32		
3/20/2017	72339	1198	TALTON STEVEN	1	13.31	0.63	\$8.39			
3/20/2017	72339	1012	TANKER-2000	1	42.21	0.63		\$26.60		
3/21/2017	72340	1198	TALTON STEVEN	1	13.31	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1	42.21	0.53		\$22.38		
Road Id - 001051- MAYO ROAD SOUTH										
Activity Id 401 Herbicide Treatment										
Road District -4										
10/18/2016	72213	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
10/18/2016	72213	1012	TANKER-2000	1	39.52	1.00		\$39.32		
11/14/2016	72238	1198	TALTON STEVEN W	1	18.62	0.87	\$16.20			
11/14/2016	72238	1012	TANKER-2000	1	39.52	0.87		\$34.39		
11/14/2016	72238	0921	HERBICIDE-GALLON 3-A	GALLON	32.99	13.00			\$494.83	
11/14/2016	72238	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
11/14/2016	72238	2000	WATER	GAL	0.00	1,000.00			\$0.00	
Road Id - 001053- MCCARVER DRIVE										
Activity Id 401 Herbicide Treatment										
Road District -2										
3/20/2017	72339	1130	GUTHRY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.39		
Road Id - 001062- MCCOURT ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
3/21/2017	72340	1198	TALTON STEVEN	1	13.31	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1	42.21	0.53		\$22.38		
Road Id - 001063- MCCOY LANE										
Activity Id 401 Herbicide Treatment										
Road District -2										
3/9/2017	72339	1130	GUTHRY THOMAS	1	16.01	0.43	\$6.89			
3/9/2017	72339	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 001065- MCCOY ROAD										
Activity Id 401 Herbicide Treatment										
Road District -2										
10/19/2016	72214	1130	GUTHRY THOMAS	1	16.01	0.59	\$8.00			
10/19/2016	72214	1071	TANKER-2002	1	33.03	0.59		\$16.32		
Road Id - 001066- MCCURLEY ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
3/20/2017	72339	1198	TALTON STEVEN	1	13.31	0.63	\$8.39			
3/20/2017	72339	1012	TANKER-2000	1	42.21	0.63		\$26.60		
Road Id - 001070- MCCLAIN CIRCLE										
Activity Id 401 Herbicide Treatment										
Road District -2										
3/8/2017	72329	1130	GUTHRY THOMAS	1	16.01	0.62	\$9.93			
3/8/2017	72329	1071	TANKER-2002	1	35.75	0.62		\$22.17		
Road Id - 001076- MCWBORTER ROAD										
Activity Id 401 Herbicide Treatment										

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 001076- MCWHORTER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
3/8/2017	72329	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/8/2017	72329	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road Id - 001096- MILLER HOLLOW ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
11/19/2016	72242	1198	TALTON STEVEN W	1	18.62	0.50	\$9.31			
11/19/2016	72242	1012	TANKER-2000	1	39.52	0.50		\$19.76		
Road Id - 001097- MILLER LANE										
Activity Id - 401 Herbicide Treatment										
Road District -4										
3/20/2017	72339	1198	TALTON STEVEN	1	13.31	0.63	\$8.39			
3/20/2017	72339	1012	TANKER-2000	1	42.21	0.63		\$26.60		
Road Id - 002002- MIMOSA STREET										
Activity Id - 401 Herbicide Treatment										
Road District -1										
11/18/2016	72242	1198	TALTON STEVEN W	1	18.62	1.50	\$27.93			
11/18/2016	72242	1012	TANKER-2000	1	39.52	1.50		\$59.28		
Road Id - 002014- MOCKINGBIRD STREET										
Activity Id - 401 Herbicide Treatment										
Road District -2										
3/22/2017	72341	1130	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/22/2017	72341	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 002016- MOLLY LANE										
Activity Id - 401 Herbicide Treatment										
Road District -2										
3/22/2017	72341	1130	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/22/2017	72341	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 002021- MOODYS CHAPEL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
3/6/2017	72327	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/6/2017	72327	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road Id - 002036- MOSLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
10/14/2016	72210	1130	GUTHERY THOMAS	1	16.01	0.72	\$11.53			
10/14/2016	72210	1013	TANKER-2000	1	39.52	0.72		\$28.46		
Road Id - 002042- MOUNTAIN PASS ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -1										
3/29/2017	72347	1130	GUTHERY THOMAS	1	16.01	1.00	\$16.01			
3/29/2017	72347	1071	TANKER-2002	1	35.75	1.00		\$35.75		
Road Id - 002043- MOUNTAIN RIDGE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
3/6/2017	72327	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/6/2017	72327	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road Id - 002057- MURPHREE VALLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
10/17/2016	72212	1198	TALTON STEVEN W	1	18.62	2.00	\$37.24			
10/17/2016	72212	1012	TANKER-2000	1	39.52	2.00		\$79.04		
11/15/2016	72239	1198	TALTON STEVEN W	1	18.62	1.25	\$23.28			
11/15/2016	72239	1012	TANKER-2000	1	39.52	1.25		\$49.40		
3/20/2017	72339	1198	TALTON STEVEN	1	13.31	0.63	\$8.39			

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Project Id - 28-018-18ERBICIDE PROGRAM										
Road Id - 002057-: MURPHREE VALLEY ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
3/20/2017	72339	1012	TANKER-2000	1	42.21	0.63		\$26.60		
Road Id - 002059-: MYRICK LANE										
Activity Id 401 Herbicide Treatment										
Road District -2										
3/21/2017	72340	1330	GUTHERY THOMAS	1	16.01	0.42	\$6.73			
3/21/2017	72340	1071	TANKER-2002	1	35.75	0.42		\$15.02		
Road Id - 002076-: NEW HOME ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
3/8/2017	72329	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/8/2017	72329	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road Id - 002077-: NEW HOPE ROAD										
Activity Id 401 Herbicide Treatment										
Road District -1										
10/3/2016	72202	1330	GUTHERY THOMAS	1	16.01	0.77	\$12.33			
10/3/2016	72202	1013	TRUCK-4ERBICIDE-2000	1	39.52	0.77		\$30.44		
Road Id - 002095-: NORTH OAK ROAD										
Activity Id 401 Herbicide Treatment										
Road District -2										
3/20/2017	72339	1330	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 002096-: NORTHSORE DR										
Activity Id 401 Herbicide Treatment										
Road District -5										
3/20/2017	72339	1330	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 002097-: NORTON HOMESTEAD ROAD										
Activity Id 401 Herbicide Treatment										
Road District -3										
10/19/2016	72214	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Road Id - 002103-: OAK CIRCLE										
Activity Id 401 Herbicide Treatment										
Road District -4										
3/20/2017	72339	1198	TALTON STEVEN	1	13.31	0.63	\$8.39			
3/20/2017	72339	1012	TANKER-2000	1	42.21	0.63		\$26.60		
Road Id - 002115-: OLD BAKER GAP ROAD										
Activity Id 401 Herbicide Treatment										
Road District -3										
3/30/2017	72348	1198	TALTON STEVEN	1	13.31	0.50	\$6.66			
3/30/2017	72348	1012	TANKER-2000	1	42.21	0.50		\$21.11		
Road Id - 002116-: OLD BLUFF ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
3/9/2017	72330	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/9/2017	72330	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road Id - 002119-: OLD GADSDEN-CENTRE HWY										
Activity Id 401 Herbicide Treatment										
Road District -2										
3/21/2017	72340	1330	GUTHERY THOMAS	1	16.01	0.42	\$6.73			
3/21/2017	72340	1071	TANKER-2002	1	35.75	0.42		\$15.02		
Road Id - 002120-: OLD GALLANT ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
11/15/2016	72239	1198	TALTON STEVEN W	1	18.62	1.25	\$23.28			

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Date	DI	ID	Description	Rate ID	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project ID - 28-018-1HERBICIDE PROGRAM										
Road ID - 002120- OLD GALLANT ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 4										
11/15/2016	72239	1012	TANKER-2000	1	39.52	1.25		\$49.40		
Road ID - 002122- OLD HICKORY ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
10/18/2016	72213	1330	GUTHERY THOMAS	1	16.01	2.50	\$40.03			
10/18/2016	72213	1071	TANKER-2002	1	33.03	2.50		\$82.58		
3/9/2017	72330	1330	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road ID - 002129- OLD SHERY HILL ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 1										
10/3/2016	72202	1330	GUTHERY THOMAS	1	16.01	0.77	\$12.33			
10/3/2016	72202	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
Road ID - 002132- OLDFIELD ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 4										
3/8/2017	72329	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/8/2017	72329	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road ID - 002133- OLD FORD VALLEY ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 1										
10/3/2016	72202	1330	GUTHERY THOMAS	1	16.01	0.77	\$12.33			
10/3/2016	72202	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
3/30/2017	72348	1330	GUTHERY THOMAS	1	16.01	1.00	\$16.01			
3/30/2017	72348	1071	TANKER-2002	1	35.75	1.00		\$35.75		
Road ID - 002143- OVERLOOK ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
3/30/2017	72348	1198	TALTON STEVEN	1	13.31	0.50	\$6.66			
3/30/2017	72348	1012	TANKER-2000	1	42.21	0.50		\$21.11		
Road ID - 002149- OWLS HOLLOW ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
10/14/2016	72210	1330	GUTHERY THOMAS	1	16.01	0.80	\$12.81			
10/14/2016	72210	1013	TANKER--2000	1	39.52	0.80		\$31.62		
Road ID - 002165- PATTERSON DRIVE										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
10/19/2016	72214	1330	GUTHERY THOMAS	1	16.01	0.50	\$8.01			
10/19/2016	72214	1071	TANKER-2002	1	33.03	0.50		\$16.52		
3/9/2017	72330	1330	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road ID - 002168- PATTERSON ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
3/9/2017	72330	1330	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road ID - 002177- PEACH TREE LANE										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
3/30/2017	72348	1198	TALTON STEVEN	1	13.31	0.50	\$6.66			
3/30/2017	72348	1012	TANKER-2000	1	42.21	0.50		\$21.11		
Road ID - 002179- PEARSON ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 002179- PEARSON ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/29/2017	72347	1530	GUTHRY THOMAS	1	16.00	1.50	\$24.00			
3/29/2017	72347	1871	TANKER-2002	1	35.75	1.50		\$53.63		
Road Id - 002185- PERMAN LAKE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
11/17/2016	72241	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
11/17/2016	72241	1812	TANKER-2000	1	39.52	1.00		\$39.52		
Road Id - 002187- PERSALL DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/21/2017	72340	1530	GUTHRY THOMAS	1	16.00	0.42	\$6.72			
3/21/2017	72340	1871	TANKER-2002	1	35.75	0.42		\$15.02		
Road Id - 002189- PHARR CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
10/19/2016	72214	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	72214	1812	TANKER-2000	1	39.52	0.45		\$17.79		
Road Id - 002198- PINE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/14/2016	72210	1530	GUTHRY THOMAS	1	16.00	0.72	\$11.52			
10/14/2016	72210	1812	TANKER-2000	1	39.52	0.72		\$28.46		
Road Id - 002220- PILGRIMS REST ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
3/29/2017	72347	1530	GUTHRY THOMAS	1	16.00	1.00	\$16.00			
3/29/2017	72347	1871	TANKER-2002	1	35.75	1.00		\$35.75		
Road Id - 002222- PINE CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/28/2017	72339	1198	TALTON STEVEN	1	13.31	0.63	\$8.39			
3/28/2017	72339	1812	TANKER-2000	1	42.21	0.63		\$26.68		
Road Id - 002240- PINEVIEW CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
11/17/2016	72241	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
11/17/2016	72241	1812	TANKER-2000	1	39.52	1.00		\$39.52		
Road Id - 002255- PITTS DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
11/18/2016	72242	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
11/18/2016	72242	1812	TANKER-2000	1	39.52	1.00		\$39.52		
Road Id - 002259- PLEASANT HILL CHURCH RD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
3/28/2017	72348	1198	TALTON STEVEN	1	13.31	0.50	\$6.66			
3/28/2017	72348	1812	TANKER-2000	1	42.21	0.50		\$21.11		
Road Id - 002263- PLEASANT VALLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
11/17/2016	72241	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
11/17/2016	72241	1812	TANKER-2000	1	39.52	1.00		\$39.52		
Road Id - 002273- POPE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										

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Date	Job Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqs Cost	Mat Cost	Cost Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 002273- POPE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/28/2017	72339	1530	GUTHERY THOMAS	1	16.61	0.26	\$4.17			
3/28/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 002284- PUCKETT ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/19/2016	72214	1530	GUTHERY THOMAS	1	16.61	0.50	\$8.01			
10/19/2016	72214	1071	TANKER-2002	1	33.83	0.50		\$16.52		
3/9/2017	72330	1530	GUTHERY THOMAS	1	16.61	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 002285- PULLTIGHT ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/22/2017	72341	1530	GUTHERY THOMAS	1	16.61	0.43	\$6.89			
3/22/2017	72341	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 002289- QUARRY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
9/9/2016	72202	1530	GUTHERY THOMAS	1	16.61	0.77	\$12.35			
9/9/2016	72202	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
Road Id - 002291- RABBITTOWN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
9/9/2016	72202	1530	GUTHERY THOMAS	1	16.61	0.77	\$12.35			
9/9/2016	72202	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
Road Id - 002308- RANDALL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
11/16/2016	72240	1198	TALTON STEVEN W	1	18.62	0.66	\$12.29			
11/16/2016	72240	1012	TANKER-2000	1	39.52	0.66		\$26.09		
Road Id - 002312- RAYFORD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/6/2017	72327	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/6/2017	72327	1012	TANKER-2000	1	42.23	1.00		\$42.21		
Road Id - 002317- RED HILL CHURCH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
10/19/2016	72214	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Road Id - 002318- RED MOUNTAIN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
10/19/2016	72214	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Road Id - 002338- RIDDLES BEND ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
11/17/2016	72241	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
11/17/2016	72241	1012	TANKER-2000	1	39.52	1.00		\$39.52		
11/17/2016	72241	0921	HERBICIDE-CARLON 3-A	GALLON	32.99	15.00			\$494.85	
11/17/2016	72241	0928	HERBICIDE-GROGOND ZERO	PNT	8.71	1.00			\$8.71	
11/17/2016	72241	2000	WATER	GAL	0.09	1,000.00			\$9.00	
Road Id - 002348- RIVER CLIFF DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										

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Date	District	M	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 002348- RIVER CLIFF DRIVE										
Activity Id 401 Herbicide Treatment										
Road District -2										
3/20/2017	72339	1330	GUTHRY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 002350- RIVER DRIVE										
Activity Id 401 Herbicide Treatment										
Road District -2										
3/23/2017	72341	1330	GUTHRY THOMAS	1	16.01	0.43	\$6.89			
3/23/2017	72341	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 002359- RIVER RUN ROAD										
Activity Id 401 Herbicide Treatment										
Road District -2										
3/21/2017	72340	1330	GUTHRY THOMAS	1	16.01	0.42	\$6.73			
3/21/2017	72340	1071	TANKER-2002	1	35.75	0.42		\$15.02		
Road Id - 002360- RIVERSIDE DR										
Activity Id 401 Herbicide Treatment										
Road District -2										
3/21/2017	72340	1330	GUTHRY THOMAS	1	16.01	0.42	\$6.73			
3/21/2017	72340	1071	TANKER-2002	1	35.75	0.42		\$15.02		
Road Id - 002366- NORTH RIVERVIEW LANE										
Activity Id 401 Herbicide Treatment										
Road District -5										
3/20/2017	72339	1330	GUTHRY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$8.30		
Road Id - 002368- RIVERWOOD DRIVE										
Activity Id 401 Herbicide Treatment										
Road District -2										
10/19/2016	72214	1330	GUTHRY THOMAS	1	16.01	0.39	\$6.61			
10/19/2016	72214	1071	TANKER-2002	1	33.03	0.39		\$16.52		
3/9/2017	72330	1330	GUTHRY THOMAS	1	16.01	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 002369- ROBBINS BRANCH ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
3/21/2017	72340	1198	TALTON STEVEN	1	13.21	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1	42.21	0.53		\$22.38		
Road Id - 002375- ROBERTS DRIVE										
Activity Id 401 Herbicide Treatment										
Road District -2										
3/20/2017	72339	1330	GUTHRY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 002381- ROBINSON ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
11/06/2016	72340	1198	TALTON STEVEN W	1	18.62	0.66	\$12.29			
11/06/2016	72340	1012	TANKER-2000	1	39.52	0.66		\$26.09		
Road Id - 002383- ROCK BRIDGE ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
11/06/2016	72340	1198	TALTON STEVEN W	1	18.62	0.66	\$12.29			
11/06/2016	72340	1012	TANKER-2000	1	39.52	0.66		\$26.09		
Road Id - 002386- ROCKY FORD ROAD										
Activity Id 401 Herbicide Treatment										
Road District -2										
10/14/2016	72210	1330	GUTHRY THOMAS	1	16.00	0.72	\$11.53			
10/14/2016	72210	1013	TANKER-2000	1	39.52	0.72		\$28.46		
Road Id - 002387- ROCKY HOLLOW CUT-OFF										

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Date	District	MI	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 002387- ROCKY BOLLOW CUT-OFF										
Activity Id 401 Herbicide Treatment										
Road District -4										
11/16/2016	72240	1198	TALTON STEVEN W	1	18.62	0.66	\$12.29			
11/16/2016	72240	1012	TANKER-2000	1	39.52	0.66		\$26.09		
Road Id - 002388- ROCKY BOLLOW ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
11/16/2016	72240	1198	TALTON STEVEN W	1	18.62	0.66	\$12.29			
11/16/2016	72240	1012	TANKER-2000	1	39.52	0.66		\$26.09		
Road Id - 002390- RODGERS ROAD										
Activity Id 401 Herbicide Treatment										
Road District -3										
10/19/2016	72214	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Road Id - 002394- BOLLING HILLS ROAD										
Activity Id 401 Herbicide Treatment										
Road District -2										
3/26/2017	72339	1130	GUTHRY THOMAS	1	16.01	0.26	\$4.17			
3/26/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 002408- BOSS DRIVE										
Activity Id 401 Herbicide Treatment										
Road District -2										
3/21/2017	72340	1130	GUTHRY THOMAS	1	16.01	0.42	\$6.73			
3/21/2017	72340	1071	TANKER-2002	1	35.75	0.42		\$15.02		
Road Id - 002416- BOWAN DRIVE										
Activity Id 401 Herbicide Treatment										
Road District -3										
3/30/2017	72348	1198	TALTON STEVEN	1	13.31	0.58	\$6.66			
3/30/2017	72348	1012	TANKER-2000	1	42.21	0.58		\$21.11		
Road Id - 002417- BOWAN-JACOBS ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
11/14/2016	72238	1198	TALTON STEVEN W	1	18.62	0.83	\$15.46			
11/14/2016	72238	1012	TANKER-2000	1	39.52	0.83		\$32.81		
Road Id - 002424- RUNYAN ROAD										
Activity Id 401 Herbicide Treatment										
Road District -2										
3/20/2017	72339	1130	GUTHRY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 002426- RUSSELL ROAD										
Activity Id 401 Herbicide Treatment										
Road District -2										
3/22/2017	72341	1130	GUTHRY THOMAS	1	16.01	0.43	\$6.89			
3/22/2017	72341	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 002435- SAMUELS CHAPEL ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
11/14/2016	72238	1198	TALTON STEVEN W	1	18.62	0.83	\$15.46			
11/14/2016	72238	1012	TANKER-2000	1	39.52	0.83		\$32.81		
11/15/2016	72239	1198	TALTON STEVEN W	1	18.62	1.25	\$23.28			
11/15/2016	72239	1012	TANKER-2000	1	39.52	1.25		\$49.80		
Road Id - 002445- SARRATT BATTLES ROAD										
Activity Id 401 Herbicide Treatment										
Road District -3										
10/19/2016	72214	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Road Id - 002446- SATTERFIELD LANE										

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 002446- SATTERFIELD LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/21/2017	72340	1530	GUTHERY THOMAS	1	16.00	0.42	\$6.73			
3/21/2017	72340	1071	TANKER-2002	1	35.75	0.42		\$15.02		
Road Id - 002454- SCHOOL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/21/2017	72340	1198	TALTON STEVEN	1	13.31	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1	42.21	0.53		\$22.34		
Road Id - 002465- SBLADY GROVE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 3										
10/13/2016	72212	1198	TALTON STEVEN W	1	18.62	2.00	\$37.24			
10/13/2016	72212	1012	TANKER-2000	1	39.52	2.00		\$79.04		
10/13/2016	72212	0901	HERBICIDE-GARLON 3-A	GALLON	32.99	15.00			\$494.85	
10/13/2016	72212	0908	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
10/13/2016	72212	3000	WATER	GAL	0.00	1,000.00			\$0.00	
Road Id - 002481- SHEELLY LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/9/2017	72330	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/9/2017	72330	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road Id - 002485- SHERRIE LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/22/2017	72341	1530	GUTHERY THOMAS	1	16.00	0.43	\$6.89			
3/22/2017	72341	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 002490- SHILOH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
11/19/2016	72242	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
11/19/2016	72242	1012	TANKER-2000	1	39.52	1.00		\$39.52		
Road Id - 002493- SHORELANE DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/20/2017	72339	1530	GUTHERY THOMAS	1	16.00	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 002498- SEBERT STREETS										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
10/3/2016	72202	1530	GUTHERY THOMAS	1	16.00	0.77	\$12.33			
10/3/2016	72202	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
Road Id - 002499- SELER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/28/2016	72215	1530	GUTHERY THOMAS	1	16.00	0.71	\$11.37			
10/28/2016	72215	1071	TANKER-2002	1	33.03	0.71		\$23.46		
Road Id - 002500- SLO ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
10/18/2016	72213	1198	TALTON STEVEN W	1	18.62	0.50	\$9.31			
10/18/2016	72213	1012	TANKER-2000	1	39.52	0.50		\$19.76		
3/21/2017	72340	1198	TALTON STEVEN	1	13.31	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1	42.21	0.53		\$22.34		
Road Id - 002505- SEMS CHAPEL CHURCH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										

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Date	DJ Id	M	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018 HERBICIDE PROGRAM										
Road Id - 002505- SIMS CHAPEL CHURCH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/8/2017	72329	1130	GUTHERY THOMAS	1	16.01	0.62	\$9.93			
3/8/2017	72329	1071	TANKER-2002	1	35.75	0.62		\$22.17		
Road Id - 002530- SMITH ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/19/2016	72214	1130	GUTHERY THOMAS	1	16.01	0.50	\$8.01			
10/19/2016	72214	1071	TANKER-2002	1	33.03	0.50		\$16.52		
3/9/2017	72330	1130	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$13.38		
Road Id - 002534- SNEAD LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
11/16/2016	72238	1198	TALTON STEVEN W	1	18.62	0.83	\$15.46			
11/16/2016	72238	1012	TANKER-2000	1	39.52	0.83		\$32.81		
Road Id - 002553- SPENKS DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/19/2016	72214	1130	GUTHERY THOMAS	1	16.01	0.50	\$8.01			
10/19/2016	72214	1071	TANKER-2002	1	33.03	0.50		\$16.52		
3/9/2017	72330	1130	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$13.38		
Road Id - 002573- STEELE STATION ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 6										
11/17/2016	72241	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
11/17/2016	72241	1012	TANKER-2000	1	39.52	1.00		\$39.52		
Road Id - 002587- SUMATANGA ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
11/16/2016	72240	1198	TALTON STEVEN W	1	18.62	0.66	\$12.29			
11/16/2016	72240	1012	TANKER-2000	1	39.52	0.66		\$26.09		
Road Id - 002589- SUMMERSET LANE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/19/2016	72214	1130	GUTHERY THOMAS	1	16.01	0.50	\$8.01			
10/19/2016	72214	1071	TANKER-2002	1	33.03	0.50		\$16.52		
3/9/2017	72330	1130	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$13.38		
Road Id - 002608- TANNY TRAIL										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/23/2017	72341	1130	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/23/2017	72341	1071	TANKER-2002	1	35.75	0.43		\$13.38		
Road Id - 002612- TARPLEY DR. E										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/20/2017	72339	1130	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 002613- TARPLEY DRIVE WEST										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/20/2017	72339	1130	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 002621- TERRELL ROAD										
Activity Id - 401 Herbicide Treatment										

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Date	Job Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 002621- TERRELL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
10/18/2016	72213	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
10/18/2016	72213	1012	TANKER-2000	1	39.52	1.00		\$39.52		
3/21/2017	72340	1198	TALTON STEVEN	1	13.31	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1	42.21	0.53		\$22.38		
Road Id - 002626- THOMPSON BRIDGE ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
3/21/2017	72340	1198	TALTON STEVEN	1	13.31	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1	42.21	0.53		\$22.38		
Road Id - 002628- THORNTON LAKES										
Activity Id - 401 Herbicide Treatment										
Road District -2										
10/20/2016	72215	1530	GUTHERY THOMAS	1	16.01	0.71	\$11.37			
10/20/2016	72215	1071	TANKER-2002	1	33.03	0.71		\$23.46		
Road Id - 002631- TIMBOHE BEND ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
3/20/2017	72339	1530	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 002636- TINSLEY SPRING ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
10/18/2016	72213	1530	GUTHERY THOMAS	1	16.01	2.50	\$40.03			
10/18/2016	72213	1071	TANKER-2002	1	33.03	2.50		\$82.58		
10/19/2016	72214	1530	GUTHERY THOMAS	1	16.01	0.50	\$8.01			
10/19/2016	72214	1071	TANKER-2002	1	33.03	0.50		\$16.52		
3/9/2017	72330	1530	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 002638- TOMCAT ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -2										
10/20/2016	72215	1530	GUTHERY THOMAS	1	16.01	0.71	\$11.37			
10/20/2016	72215	1071	TANKER-2002	1	33.03	0.71		\$23.46		
Road Id - 002643- TRAILWOOD LANE										
Activity Id - 401 Herbicide Treatment										
Road District -2										
3/20/2017	72339	1530	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 002646- TUCKER MOUNTAIN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
10/3/2016	72202	1198	TALTON STEVEN W	1	18.62	1.50	\$27.93			
10/3/2016	72202	1012	TRUCK-HERBICIDE	1	39.52	1.50		\$59.28		
Road Id - 002648- TUMLEN CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District -2										
3/22/2017	72341	1530	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/22/2017	72341	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 002649- TUMLEN GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District -4										
11/14/2016	72238	1198	TALTON STEVEN W	1	18.62	0.83	\$15.46			
11/14/2016	72238	1012	TANKER-2000	1	39.52	0.83		\$32.81		
11/15/2016	72239	1198	TALTON STEVEN W	1	18.62	1.25	\$23.28			
11/15/2016	72239	1012	TANKER-2000	1	39.52	1.25		\$49.40		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Cost Cost
Project Id - 28-018-18HERBICIDE PROGRAM										
Road Id - 002650- TURKEY TOWN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/22/2017	72341	1330	GUTHERY THOMAS	1	16.00	0.43	\$6.89			
3/22/2017	72341	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 002656- TURNER MOUNTAIN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
10/3/2016	72202	1330	GUTHERY THOMAS	1	16.00	0.76	\$12.17			
10/3/2016	72202	1013	TRUCK-HERBICIDE-2000	1	39.52	0.76		\$30.04		
3/30/2017	72348	1330	GUTHERY THOMAS	1	16.00	1.00	\$16.01			
3/30/2017	72348	1071	TANKER-2002	1	35.75	1.00		\$35.75		
Road Id - 002676- VALLEY STREET										
Activity Id - 401 Herbicide Treatment										
Road District - 5										
3/21/2017	72340	1330	GUTHERY THOMAS	1	16.00	0.42	\$6.73			
3/21/2017	72340	1071	TANKER-2002	1	35.75	0.42		\$15.02		
Road Id - 002678- VALLEYVIEW CIRCLE										
Activity Id - 401 Herbicide Treatment										
Road District - 1										
10/3/2016	72202	1330	GUTHERY THOMAS	1	16.00	0.77	\$12.33			
10/3/2016	72202	1013	TRUCK-HERBICIDE-2000	1	39.52	0.77		\$30.44		
3/30/2017	72348	1330	GUTHERY THOMAS	1	16.00	2.00	\$32.02			
3/30/2017	72348	1071	TANKER-2002	1	35.75	2.00		\$71.50		
Road Id - 002685- VAUGHN ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
11/14/2016	72238	1198	TALTON STEVEN W	1	18.62	0.83	\$15.44			
11/14/2016	72238	1012	TANKER-2000	1	39.52	0.83		\$32.81		
3/30/2017	72339	1198	TALTON STEVEN	1	13.31	0.63	\$8.39			
3/30/2017	72339	1012	TANKER-2000	1	42.21	0.63		\$26.60		
Road Id - 002723- WARD ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/18/2016	72213	1330	GUTHERY THOMAS	1	16.00	2.50	\$40.00			
10/18/2016	72213	1071	TANKER-2002	1	33.03	2.50		\$82.58		
10/18/2016	72213	2000	WATER	GAL	0.00	1,500.00			\$0.00	
10/18/2016	72213	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	30.00			\$989.70	
10/18/2016	72213	0928	HERBICIDE-GROUND ZERO	PNT	8.71	2.00			\$17.42	
10/18/2016	72213	0903	HERBICIDE-FOAM BUSTER	QT	5.15	0.25			\$1.29	
10/19/2016	72214	1330	GUTHERY THOMAS	1	16.00	0.50	\$8.00			
10/19/2016	72214	1071	TANKER-2002	1	33.03	0.50		\$16.52		
3/9/2017	72330	1330	GUTHERY THOMAS	1	16.00	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 002725- WARRIOR VALLEY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
10/3/2016	72202	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
10/3/2016	72202	1012	TRUCK-HERBICIDE	1	39.52	1.00		\$39.52		
10/3/2016	72202	0921	HERBICIDE-GARLON 3-A	GALLON	32.99	11.00			\$394.85	
10/3/2016	72202	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
10/3/2016	72202	2000	WATER	GAL	0.00	1,000.00			\$0.00	
3/6/2017	72327	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/6/2017	72327	1012	TANKER-2000	1	42.21	1.00		\$42.21		
3/6/2017	72327	0909	HERBICIDE-CRIST	POUND	25.78	0.25			\$6.45	
3/6/2017	72327	0901	HERBICIDE-2,4 D AMINE	GALLON	13.68	23.30			\$319.80	
3/6/2017	72327	0928	HERBICIDE-GROUND ZERO	PNT	8.71	1.00			\$8.71	
3/6/2017	72327	2000	WATER	GAL	0.00	2,000.00			\$0.00	

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Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 002730- WATER TOWER ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
3/21/2017	72340	1198	TALTON STEVEN	1	13.31	0.53	\$7.06			
3/21/2017	72340	1012	TANKER-2000	1	42.21	0.53		\$22.38		
Road Id - 002733- WATKENS DR										
Activity Id 401 Herbicide Treatment										
Road District -3										
10/19/2016	72214	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Road Id - 002743- WESSON LAKE ROAD										
Activity Id 401 Herbicide Treatment										
Road District -4										
11/17/2016	72241	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
11/17/2016	72241	1012	TANKER-2000	1	39.52	1.00		\$39.52		
Road Id - 002744- WEST HILL SIDE DRIVE										
Activity Id 401 Herbicide Treatment										
Road District -4										
11/15/2016	72239	1198	TALTON STEVEN W	1	18.62	1.25	\$23.28			
11/15/2016	72239	1012	TANKER-2000	1	39.52	1.25		\$49.40		
Road Id - 002755- WHISPERING PINES ROAD										
Activity Id 401 Herbicide Treatment										
Road District -3										
10/19/2016	72214	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Road Id - 002762- WHITES CHAPEL ROAD										
Activity Id 401 Herbicide Treatment										
Road District -2										
3/20/2017	72339	1130	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 002780- WILLOW CREEK ROAD										
Activity Id 401 Herbicide Treatment										
Road District -3										
10/19/2016	72214	1130	GUTHERY THOMAS	1	16.01	0.50	\$8.01			
10/19/2016	72214	1071	TANKER-2002	1	33.03	0.50		\$16.52		
3/9/2017	72330	1130	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 002812- YANCEY DRIVE										
Activity Id 401 Herbicide Treatment										
Road District -2										
10/19/2016	72214	1130	GUTHERY THOMAS	1	16.01	0.50	\$8.01			
10/19/2016	72214	1071	TANKER-2002	1	33.03	0.50		\$16.52		
3/9/2017	72330	1130	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 002813- YANCEY DRIVE NORTH										
Activity Id 401 Herbicide Treatment										
Road District -2										
10/19/2016	72214	1130	GUTHERY THOMAS	1	16.01	0.50	\$8.01			
10/19/2016	72214	1071	TANKER-2002	1	33.03	0.50		\$16.52		
3/9/2017	72330	1130	GUTHERY THOMAS	1	16.01	0.54	\$8.65			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.54		\$19.31		
Road Id - 002819- YOUNGS CHAPEL ROAD										
Activity Id 401 Herbicide Treatment										
Road District -2										
10/14/2016	72210	1130	GUTHERY THOMAS	1	16.01	0.72	\$11.53			
10/14/2016	72210	1012	TANKER-2000	1	39.52	0.72		\$28.66		
Road Id - 002829- GRANDVIEW DR										
Activity Id 401 Herbicide Treatment										

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Project ID - 28-018-HERBICIDE PROGRAM										
Road ID - 002829- GRANDVIEW DR										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
10/18/2016	72213	1198	TALTON STEVEN W	1	18.62	1.00	\$18.62			
10/18/2016	72213	1012	TANKER-2000	1	39.52	1.00		\$39.52		
Road ID - 002830- HARBOE LANE										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
10/18/2016	72213	1330	GUTHRY THOMAS	1	16.01	2.50	\$40.03			
10/18/2016	72213	1071	TANKER-2002	1	33.03	2.50		\$82.58		
10/19/2016	72214	1330	GUTHRY THOMAS	1	16.01	0.50	\$8.01			
10/19/2016	72214	1071	TANKER-2002	1	33.03	0.50		\$16.52		
3/9/2017	72330	1330	GUTHRY THOMAS	1	16.01	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Road ID - 002831- LAURA ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
10/19/2016	72214	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Road ID - 002832- LAUREL LANE										
Activity ID - 401 Herbicide Treatment										
Road District - 3										
10/19/2016	72214	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	72214	1012	TANKER-2000	1	39.52	0.45		\$17.79		
Road ID - 002834- GREEN VALLEY ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 1										
3/29/2017	72347	1330	GUTHRY THOMAS	1	16.01	2.00	\$32.02			
3/29/2017	72347	1071	TANKER-2002	1	35.75	2.00		\$71.50		
3/29/2017	72347	2000	WATER	GAL	0.00	2,000.00			\$0.00	
3/29/2017	72347	0911	HERBICIDE-2,4 D AMINE	GALLON	13.68	22.50			\$307.80	
3/29/2017	72347	0909	HERBICIDE-COUST	POUND	25.78	2.00			\$51.56	
3/29/2017	72347	0928	HERBICIDE-CROCKND ZERO	PNT	8.71	1.00			\$8.71	
3/29/2017	72347	0933	HERBICIDE-FOAM BUSTER	QT	5.15	0.25			\$1.29	
Road ID - 002835- MOUNTAIN VIEW CHURCH RD										
Activity ID - 401 Herbicide Treatment										
Road District - 4										
10/3/2016	72202	1198	TALTON STEVEN W	1	18.62	1.50	\$27.93			
10/3/2016	72202	1012	TRUCK-HERBICIDE	1	39.52	1.50		\$59.28		
3/6/2017	72327	1198	TALTON STEVEN	1	13.31	1.00	\$13.31			
3/6/2017	72327	1012	TANKER-2000	1	42.21	1.00		\$42.21		
Road ID - 002838- CEDAR DRIVE										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
3/23/2017	72340	1330	GUTHRY THOMAS	1	16.01	0.42	\$6.73			
3/23/2017	72340	1071	TANKER-2002	1	35.75	0.42		\$15.02		
Road ID - 002849- GOWENS CIRCLE										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
3/8/2017	72329	1330	GUTHRY THOMAS	1	16.01	0.62	\$9.93			
3/8/2017	72329	1071	TANKER-2002	1	35.75	0.62		\$22.17		
Road ID - 002851- GOWENS ROAD										
Activity ID - 401 Herbicide Treatment										
Road District - 2										
3/8/2017	72329	1330	GUTHRY THOMAS	1	16.01	0.62	\$9.93			
3/8/2017	72329	1071	TANKER-2002	1	35.75	0.62		\$22.17		
Road ID - 002861- DELWOOD PL										
Activity ID - 401 Herbicide Treatment										

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Date	DEM	ID	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 002861- DELLWOOD PL										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/21/2017	72340	1530	GUTHERY THOMAS	1	16.01	0.34	\$5.45			
3/21/2017	72340	1671	TANKER-2002	1	35.75	0.34		\$12.16		
Road Id - 002862- MOUNTAIN CREEK DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/21/2017	72340	1530	GUTHERY THOMAS	1	16.01	0.42	\$6.73			
3/21/2017	72340	1671	TANKER-2002	1	35.75	0.42		\$15.02		
Road Id - 002865- GRANGER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/21/2017	72340	1530	GUTHERY THOMAS	1	16.01	0.42	\$6.73			
3/21/2017	72340	1671	TANKER-2002	1	35.75	0.42		\$15.02		
Road Id - 002885- USRY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/14/2016	72210	1530	GUTHERY THOMAS	1	16.01	0.72	\$11.53			
10/14/2016	72210	1613	TANKER-2000	1	39.52	0.72		\$28.46		
Road Id - 002900- OLD NELSON GAP ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
10/13/2016	72212	1198	TALTON STEVEN W	1	18.62	2.00	\$37.24			
10/13/2016	72212	1612	TANKER-2000	1	39.52	2.00		\$79.04		
3/20/2017	72339	1198	TALTON STEVEN	1	13.31	0.63	\$8.39			
3/20/2017	72339	1612	TANKER-2000	1	42.21	0.63		\$26.60		
Road Id - 002901- STONICHER ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
3/20/2017	72339	1198	TALTON STEVEN	1	13.31	0.63	\$8.39			
3/20/2017	72339	1612	TANKER-2000	1	42.21	0.63		\$26.60		
Road Id - 002909- DANIEL ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/20/2017	72339	1530	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1671	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 002910- PHYLLIS DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/22/2017	72341	1530	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/22/2017	72341	1671	TANKER-2002	1	35.75	0.43		\$15.38		
Road Id - 002911- ANNITA DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/21/2017	72340	1530	GUTHERY THOMAS	1	16.01	0.42	\$6.73			
3/21/2017	72340	1671	TANKER-2002	1	35.75	0.42		\$13.62		
Road Id - 002919- HILL SIDE DRIVE										
Activity Id - 401 Herbicide Treatment										
Road District - 4										
10/19/2016	72214	1198	TALTON STEVEN W	1	18.62	0.45	\$8.38			
10/19/2016	72214	1612	TANKER-2000	1	39.52	0.45		\$17.79		
Road Id - 002978- DAVIS FERRY ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
3/8/2017	72329	1530	GUTHERY THOMAS	1	16.01	0.62	\$9.93			
3/8/2017	72329	1671	TANKER-2002	1	35.75	0.62		\$22.17		
Road Id - 003030- HOWELTON CEMETERY ROAD										

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Date	District	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 000030- HOWELTON CEMETERY ROAD										
Activity Id 400 Herbicide Treatment										
Road District -3										
10/18/2016	72213	1098	TALTON STEVEN W	1	18.62	1.00	\$18.62			
10/18/2016	72213	1012	TANKER-2000	1	39.52	1.00		\$39.52		
Road Id - 000049- GALLANT COVE										
Activity Id 400 Herbicide Treatment										
Road District -4										
11/16/2016	72240	1098	TALTON STEVEN W	1	18.62	0.66	\$12.29			
11/16/2016	72240	1012	TANKER-2000	1	39.52	0.66		\$26.09		
Road Id - 000050- RIDGEVIEW DRIVE										
Activity Id 400 Herbicide Treatment										
Road District -4										
3/6/2017	72327	1098	TALTON STEVEN	1	13.31	0.50	\$6.66			
3/6/2017	72327	1012	TANKER-2000	1	42.21	0.50		\$21.11		
Road Id - 000063- GIDLEY ROAD										
Activity Id 400 Herbicide Treatment										
Road District -2										
3/29/2017	72347	1330	GUTHERY THOMAS	1	16.01	1.50	\$24.02			
3/29/2017	72347	1071	TANKER-2002	1	35.75	1.50		\$53.63		
Road Id - 000067- TELLISON BEND AREA										
Activity Id 400 Herbicide Treatment										
Road District -4										
11/18/2016	72242	1098	TALTON STEVEN W	1	18.62	1.50	\$27.93			
11/18/2016	72242	1012	TANKER-2000	1	39.52	1.50		\$59.28		
Road Id - 000074- CANOE CREEK ROAD, N										
Activity Id 400 Herbicide Treatment										
Road District -4										
11/19/2016	72242	1098	TALTON STEVEN W	1	18.62	1.00	\$18.62			
11/19/2016	72242	1012	TANKER-2000	1	39.52	1.00		\$39.52		
Road Id - 000078- CENTER STREET										
Activity Id 400 Herbicide Treatment										
Road District -2										
3/20/2017	72339	1330	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 000082- HILL TOP DRIVE										
Activity Id 400 Herbicide Treatment										
Road District -2										
10/20/2016	72215	1330	GUTHERY THOMAS	1	16.01	0.71	\$11.37			
10/20/2016	72215	1071	TANKER-2002	1	33.03	0.71		\$23.46		
Road Id - 000084- MCCLAIN DRIVE										
Activity Id 400 Herbicide Treatment										
Road District -2										
3/20/2017	72339	1330	GUTHERY THOMAS	1	16.01	0.26	\$4.17			
3/20/2017	72339	1071	TANKER-2002	1	35.75	0.26		\$9.30		
Road Id - 000110- OLD HWY 411										
Activity Id 400 Herbicide Treatment										
Road District -2										
3/21/2017	72340	1330	GUTHERY THOMAS	1	16.01	0.42	\$6.73			
3/21/2017	72340	1071	TANKER-2002	1	35.75	0.42		\$15.02		
Road Id - 004103- PINE HILLS WAY										
Activity Id 400 Herbicide Treatment										
Road District -2										
3/30/2017	72348	1330	GUTHERY THOMAS	1	16.01	1.00	\$16.01			
3/30/2017	72348	1071	TANKER-2002	1	35.75	1.00		\$35.75		
Road Id - 004115- CREEK ROAD										
Activity Id 400 Herbicide Treatment										
Road District -2										

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-018-HERBICIDE PROGRAM										
Road Id - 004115- CREEK ROAD										
Activity Id - 401 Herbicide Treatment										
Road District - 2										
10/19/2016	72214	1130	GUTHERY THOMAS	1	16.01	0.50	\$8.01			
10/19/2016	72214	1071	TANKER-2002	1	33.03	0.50		\$16.32		
3/9/2017	72330	1130	GUTHERY THOMAS	1	16.01	0.43	\$6.89			
3/9/2017	72330	1071	TANKER-2002	1	35.75	0.43		\$15.38		
Project Cost by Category							\$4,549.02	\$16,278.79	\$8,588.59	\$0.00
Total Project Cost										\$21,336.40

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Job Cost Selective Report

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Date	DI Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id -28-071-18INSECTICIDE SPRAYING--WHORTON BEND AREA										
Road Id - 002951 - WHORTON BEND AREA										
Activity Id 403 Insecticide Treatment										
Road District - 6										
4/6/2016	72045	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
4/6/2016	72045	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
4/6/2016	72045	1706-P	INSECTICIDE--PERMANONE	GAL	36.95	2.00			\$73.90	
4/6/2016	72045	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
4/6/2016	72045	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
4/6/2016	72045	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
4/6/2016	72045	1706-P	INSECTICIDE--PERMANONE	GAL	36.95	2.00			\$73.90	
4/6/2016	72045	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
4/7/2016	72045	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
4/7/2016	72045	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
4/7/2016	72045	1706-P	INSECTICIDE--PERMANONE	GAL	36.95	2.00			\$73.90	
4/7/2016	72045	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
4/11/2016	72050	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
4/11/2016	72050	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
4/11/2016	72050	1706-P	INSECTICIDE--PERMANONE	GAL	36.95	2.00			\$73.90	
4/11/2016	72050	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
4/13/2016	72050	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
4/13/2016	72050	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
4/13/2016	72050	1706-P	INSECTICIDE--PERMANONE	GAL	36.95	2.00			\$73.90	
4/13/2016	72050	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
4/14/2016	72050	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
4/14/2016	72050	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
4/14/2016	72050	1706-P	INSECTICIDE--PERMANONE	GAL	36.95	2.00			\$73.90	
4/14/2016	72050	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
4/18/2016	72056	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
4/18/2016	72056	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
4/18/2016	72056	1706-P	INSECTICIDE--PERMANONE	GAL	36.95	2.00			\$73.90	
4/18/2016	72056	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
4/20/2016	72056	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
4/20/2016	72056	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
4/20/2016	72056	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
4/20/2016	72056	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
4/21/2016	72056	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
4/21/2016	72056	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
4/21/2016	72056	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
4/21/2016	72056	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
4/23/2016	72061	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
4/23/2016	72061	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
4/23/2016	72061	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
4/23/2016	72061	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
4/27/2016	72061	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
4/27/2016	72061	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
4/27/2016	72061	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
4/27/2016	72061	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
4/28/2016	72061	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
4/28/2016	72061	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
4/28/2016	72061	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
4/28/2016	72061	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
5/2/2016	72067	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
5/2/2016	72067	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
5/2/2016	72067	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
5/2/2016	72067	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
5/4/2016	72067	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
5/4/2016	72067	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
5/4/2016	72067	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-071-INSECTICIDE SPRAYING- WILKINSON BEND AREA										
Road Id - 002001- WILKINSON BEND AREA										
Activity Id - 403 Insecticide Treatment										
Road District - 4										
5/4/2016	72067	1706	INSECTICIDE-MALATHION	GAL	44.19	0.50				\$22.10
5/5/2016	72067	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
5/5/2016	72067	1032	TRUCK-2009 CHEVROLET	I	14.87	5.00		\$74.35		
5/5/2016	72067	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00				\$38.66
5/5/2016	72067	1706	INSECTICIDE-MALATHION	GAL	44.19	0.50				\$22.10
5/9/2016	72073	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
5/9/2016	72073	1032	TRUCK-2009 CHEVROLET	I	14.87	5.00		\$74.35		
5/9/2016	72073	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00				\$38.66
5/9/2016	72073	1706	INSECTICIDE-MALATHION	GAL	44.19	0.50				\$22.10
5/11/2016	72073	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
5/11/2016	72073	1032	TRUCK-2009 CHEVROLET	I	14.87	5.00		\$74.35		
5/11/2016	72073	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00				\$38.66
5/11/2016	72073	1706	INSECTICIDE-MALATHION	GAL	44.19	0.50				\$22.10
5/12/2016	72073	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
5/12/2016	72073	1032	TRUCK-2009 CHEVROLET	I	14.87	5.00		\$74.35		
5/12/2016	72073	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00				\$38.66
5/12/2016	72073	1706	INSECTICIDE-MALATHION	GAL	44.19	0.50				\$22.10
5/16/2016	72079	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
5/16/2016	72079	1032	TRUCK-2009 CHEVROLET	I	14.87	5.00		\$74.35		
5/16/2016	72079	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00				\$38.66
5/16/2016	72079	1706	INSECTICIDE-MALATHION	GAL	44.19	0.50				\$22.10
5/18/2016	72079	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
5/18/2016	72079	1032	TRUCK-2009 CHEVROLET	I	14.87	5.00		\$74.35		
5/18/2016	72079	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00				\$38.66
5/18/2016	72079	1706	INSECTICIDE-MALATHION	GAL	44.19	0.50				\$22.10
5/19/2016	72079	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
5/19/2016	72079	1032	TRUCK-2009 CHEVROLET	I	14.87	5.00		\$74.35		
5/19/2016	72079	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00				\$38.66
5/19/2016	72079	1706	INSECTICIDE-MALATHION	GAL	44.19	0.50				\$22.10
5/23/2016	72085	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
5/23/2016	72085	1032	TRUCK-2009 CHEVROLET	I	14.87	5.00		\$74.35		
5/23/2016	72085	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00				\$38.66
5/23/2016	72085	1706	INSECTICIDE-MALATHION	GAL	44.19	0.50				\$22.10
5/25/2016	72085	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
5/25/2016	72085	1032	TRUCK-2009 CHEVROLET	I	14.87	5.00		\$74.35		
5/25/2016	72085	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00				\$38.66
5/25/2016	72085	1706	INSECTICIDE-MALATHION	GAL	44.19	0.50				\$22.10
5/26/2016	72085	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
5/26/2016	72085	1032	TRUCK-2009 CHEVROLET	I	14.87	5.00		\$74.35		
5/26/2016	72085	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00				\$38.66
5/26/2016	72085	1706	INSECTICIDE-MALATHION	GAL	44.19	0.50				\$22.10
5/31/2016	72090	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
5/31/2016	72090	1032	TRUCK-2009 CHEVROLET	I	14.87	5.00		\$74.35		
5/31/2016	72090	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00				\$38.66
5/31/2016	72090	1706	INSECTICIDE-MALATHION	GAL	44.19	0.50				\$22.10
6/1/2016	72090	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
6/1/2016	72090	1032	TRUCK-2009 CHEVROLET	I	14.87	5.00		\$74.35		
6/1/2016	72090	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00				\$38.66
6/1/2016	72090	1706	INSECTICIDE-MALATHION	GAL	44.19	0.50				\$22.10
6/2/2016	72090	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
6/2/2016	72090	1032	TRUCK-2009 CHEVROLET	I	14.87	5.00		\$74.35		
6/2/2016	72090	1706-K	INSECTICIDE-KONTROL 4-4	GAL	19.33	2.00				\$38.66
6/2/2016	72090	1706	INSECTICIDE-MALATHION	GAL	44.19	0.50				\$22.10
6/6/2016	72095	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
6/6/2016	72095	1032	TRUCK-2009 CHEVROLET	I	14.87	5.00		\$74.35		

Etowah County Road Department

Job Cost Selective Report

from 4/1/2016 to 3/31/2017

Date	DJ#	ID	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-071-1INSECTICIDE SPRAYING--WHORTON BEND AREA										
Road Id - 002981 - WHORTON BEND AREA										
Activity Id 403 Insecticide Treatment										
Road District - 6										
6/6/2016	72095	1796-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
6/6/2016	72095	1796	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
6/8/2016	72095	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
6/8/2016	72095	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
6/8/2016	72095	1796-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
6/8/2016	72095	1796	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
6/9/2016	72095	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
6/9/2016	72095	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
6/9/2016	72095	1796-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
6/9/2016	72095	1796	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
6/13/2016	72101	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
6/13/2016	72101	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
6/13/2016	72101	1796-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
6/13/2016	72101	1796	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
6/15/2016	72101	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
6/15/2016	72101	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
6/15/2016	72101	1796-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
6/15/2016	72101	1796	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
6/16/2016	72101	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
6/16/2016	72101	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
6/16/2016	72101	1796-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
6/16/2016	72101	1796	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
6/20/2016	72107	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
6/20/2016	72107	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
6/20/2016	72107	1796-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
6/20/2016	72107	1796	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
6/22/2016	72107	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
6/22/2016	72107	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
6/22/2016	72107	1796-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
6/22/2016	72107	1796	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
6/23/2016	72107	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
6/23/2016	72107	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
6/23/2016	72107	1796-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
6/23/2016	72107	1796	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
6/23/2016	72113	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
6/23/2016	72113	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
6/23/2016	72113	1796-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
6/23/2016	72113	1796	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
6/29/2016	72118	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
6/29/2016	72118	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
6/29/2016	72118	1796-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
6/29/2016	72118	1796	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
6/30/2016	72118	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
6/30/2016	72118	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
6/30/2016	72118	1796-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
6/30/2016	72118	1796	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
7/5/2016	72118	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
7/5/2016	72118	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
7/5/2016	72118	1796-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
7/5/2016	72118	1796	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
7/6/2016	72118	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			
7/6/2016	72118	1032	TRUCK--2009 CHEVROLET	I	14.87	5.00		\$74.35		
7/6/2016	72118	1796-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
7/6/2016	72118	1796	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
7/7/2016	72118	1058	VAUGHN JAMES D	I	17.09	5.00	\$85.45			

Etowah County Road Department
Job Cost Selective Report
 from 4/1/2016 to 3/31/2017

Date	DJ Id	M	Description	Rate Id	Rate	Units	Emp Cost	Eqp Cost	Mat Cost	Con Cost
Project Id - 28-071-INSECTICIDE SPRAYING--WHORTON BEND AREA										
Road Id - 002881 - WHORTON BEND AREA										
Activity Id - 403 Insecticide Treatment										
Road District - 6										
3/3/2016	72118	0032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
3/3/2016	72118	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
3/3/2016	72118	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
3/11/2016	72124	0038	VAUGHN JAMES D	1	17.09	5.00	\$85.45			
3/11/2016	72124	0032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
3/11/2016	72124	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
3/11/2016	72124	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
3/13/2016	72124	0038	VAUGHN JAMES D	1	17.09	5.00	\$85.45			
3/13/2016	72124	0032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
3/13/2016	72124	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
3/13/2016	72124	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
3/14/2016	72124	0038	VAUGHN JAMES D	1	17.09	5.00	\$85.45			
3/14/2016	72124	0032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
3/14/2016	72124	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
3/14/2016	72124	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
3/18/2016	72130	0038	VAUGHN JAMES D	1	17.09	5.00	\$85.45			
3/18/2016	72130	0032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
3/18/2016	72130	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
3/18/2016	72130	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
3/20/2016	72130	0038	VAUGHN JAMES D	1	17.09	5.00	\$85.45			
3/20/2016	72130	0032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
3/20/2016	72130	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
3/20/2016	72130	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
3/21/2016	72130	0038	VAUGHN JAMES D	1	17.09	5.00	\$85.45			
3/21/2016	72130	0032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
3/21/2016	72130	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
3/21/2016	72130	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
3/25/2016	72136	0038	VAUGHN JAMES D	1	17.09	5.00	\$85.45			
3/25/2016	72136	0032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
3/25/2016	72136	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
3/25/2016	72136	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
3/27/2016	72136	0038	VAUGHN JAMES D	1	17.09	5.00	\$85.45			
3/27/2016	72136	0032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
3/27/2016	72136	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
3/27/2016	72136	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
3/28/2016	72136	0038	VAUGHN JAMES D	1	17.09	5.00	\$85.45			
3/28/2016	72136	0032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
3/28/2016	72136	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
3/28/2016	72136	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
8/1/2016	72142	0038	VAUGHN JAMES D	1	17.09	5.00	\$85.45			
8/1/2016	72142	0032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
8/1/2016	72142	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
8/1/2016	72142	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
8/3/2016	72142	0038	VAUGHN JAMES D	1	17.09	5.00	\$85.45			
8/3/2016	72142	0032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
8/3/2016	72142	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
8/3/2016	72142	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
8/4/2016	72142	0038	VAUGHN JAMES D	1	17.09	5.00	\$85.45			
8/4/2016	72142	0032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
8/4/2016	72142	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
8/4/2016	72142	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
8/8/2016	72148	0038	VAUGHN JAMES D	1	17.09	5.00	\$85.45			
8/8/2016	72148	0032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
8/8/2016	72148	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
8/8/2016	72148	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	

Etowah County Road Department
Job Cost Selective Report
 from 4/1/2016 to 3/31/2017

Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-071-INSECTICIDE SPRAYING--WHORTON BEND AREA										
Road Id - 002881- WHORTON BEND AREA										
Activity Id - 403 Insecticide Treatment										
Road District - 6										
8/10/2016	72148	1058	VAUGHN JAMES D	1	17.00	5.00	\$85.45			
8/10/2016	72148	1032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
8/10/2016	72148	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
8/10/2016	72148	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
8/11/2016	72148	1058	VAUGHN JAMES D	1	17.00	5.00	\$85.45			
8/11/2016	72148	1032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
8/11/2016	72148	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
8/11/2016	72148	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
8/15/2016	72154	1058	VAUGHN JAMES D	1	17.00	5.00	\$85.45			
8/15/2016	72154	1032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
8/15/2016	72154	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
8/15/2016	72154	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
8/17/2016	72154	1058	VAUGHN JAMES D	1	17.00	5.00	\$85.45			
8/17/2016	72154	1032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
8/17/2016	72154	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
8/17/2016	72154	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
8/18/2016	72154	1058	VAUGHN JAMES D	1	17.00	5.00	\$85.45			
8/18/2016	72154	1032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
8/18/2016	72154	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
8/18/2016	72154	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
8/23/2016	72160	1058	VAUGHN JAMES D	1	17.00	5.00	\$85.45			
8/23/2016	72160	1032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
8/23/2016	72160	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
8/23/2016	72160	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
8/24/2016	72160	1058	VAUGHN JAMES D	1	17.00	5.00	\$85.45			
8/24/2016	72160	1032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
8/24/2016	72160	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
8/24/2016	72160	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
8/25/2016	72160	1058	VAUGHN JAMES D	1	17.00	5.00	\$85.45			
8/25/2016	72160	1032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
8/25/2016	72160	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
8/25/2016	72160	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
8/29/2016	72166	1058	VAUGHN JAMES D	1	17.00	5.00	\$85.45			
8/29/2016	72166	1032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
8/29/2016	72166	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
8/29/2016	72166	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
8/31/2016	72166	1058	VAUGHN JAMES D	1	17.00	5.00	\$85.45			
8/31/2016	72166	1032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
8/31/2016	72166	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
8/31/2016	72166	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
9/1/2016	72170	1058	VAUGHN JAMES D	1	17.00	5.00	\$85.45			
9/1/2016	72170	1032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
9/1/2016	72170	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
9/1/2016	72170	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
9/5/2016	72174	1058	VAUGHN JAMES D	1	17.00	5.00	\$85.45			
9/5/2016	72174	1032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
9/5/2016	72174	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
9/5/2016	72174	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
9/7/2016	72174	1058	VAUGHN JAMES D	1	17.00	5.00	\$85.45			
9/7/2016	72174	1032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
9/7/2016	72174	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	
9/7/2016	72174	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50			\$22.10	
9/8/2016	72174	1058	VAUGHN JAMES D	1	17.00	5.00	\$85.45			
9/8/2016	72174	1032	TRUCK--2009 CHEVROLET	1	14.05	5.00		\$70.25		
9/8/2016	72174	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00			\$38.66	

Etowah County Road Department
Job Cost Selective Report
 from 4/1/2016 to 3/31/2017

Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-071-INSECTICIDE SPRAYING--WHORTON BEND AREA										
Road Id - 002981 - WHORTON BEND AREA										
Activity Id - 403 Insecticide Treatment										
Road District - 6										
9/8/2016	72174	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
9/12/2016	72179	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
9/12/2016	72179	1032	TRUCK--2009 CHEVROLET	I	14.05	3.00		\$70.25		
9/12/2016	72179	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
9/12/2016	72179	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
9/14/2016	72179	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
9/14/2016	72179	1032	TRUCK--2009 CHEVROLET	I	14.05	3.00		\$70.25		
9/14/2016	72179	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
9/14/2016	72179	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
9/15/2016	72179	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
9/15/2016	72179	1032	TRUCK--2009 CHEVROLET	I	14.05	3.00		\$70.25		
9/15/2016	72179	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
9/15/2016	72179	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
9/19/2016	72186	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
9/19/2016	72186	1032	TRUCK--2009 CHEVROLET	I	14.05	3.00		\$70.25		
9/19/2016	72186	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
9/19/2016	72186	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
9/21/2016	72186	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
9/21/2016	72186	1032	TRUCK--2009 CHEVROLET	I	14.05	3.00		\$70.25		
9/21/2016	72186	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
9/21/2016	72186	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
9/22/2016	72186	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
9/22/2016	72186	1032	TRUCK--2009 CHEVROLET	I	14.05	3.00		\$70.25		
9/22/2016	72186	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
9/22/2016	72186	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
9/26/2016	72194	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
9/26/2016	72194	1032	TRUCK--2009 CHEVROLET	I	14.05	3.00		\$70.25		
9/26/2016	72194	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
9/26/2016	72194	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
9/28/2016	72194	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
9/28/2016	72194	1032	TRUCK--2009 CHEVROLET	I	14.05	3.00		\$70.25		
9/28/2016	72194	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
9/28/2016	72194	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
9/29/2016	72194	1058	VAUGHN JAMES D	I	17.09	3.00	\$85.45			
9/29/2016	72194	1032	TRUCK--2009 CHEVROLET	I	14.05	3.00		\$70.25		
9/29/2016	72194	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
9/29/2016	72194	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
Project Cost by Category							\$6,645.00	\$5,639.40	\$4,985.96	\$0.00
Total Project Cost							\$17,294.46			

Project Id - 28-071-INSECTICIDE SPRAYING--WHORTON BEND AREA
Road Id - 002981 - WHORTON BEND AREA
Activity Id - 403 Insecticide Treatment

Road District - 6

10/3/2016	72201	1058	VAUGHN JAMES D	I	17.45	3.00	\$87.25			
10/3/2016	72201	1032	TRUCK--2009 CHEVROLET	I	14.05	3.00		\$70.25		
10/3/2016	72201	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
10/3/2016	72201	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
10/5/2016	72201	1058	VAUGHN JAMES D	I	17.45	3.00	\$87.25			
10/5/2016	72201	1032	TRUCK--2009 CHEVROLET	I	14.05	3.00		\$70.25		
10/5/2016	72201	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
10/5/2016	72201	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
10/6/2016	72201	1058	VAUGHN JAMES D	I	17.45	3.00	\$87.25			
10/6/2016	72201	1032	TRUCK--2009 CHEVROLET	I	14.05	3.00		\$70.25		

Etowah County Road Department

Job Cost Selective Report

from 4/1/2016 to 3/31/2017

Date	DF Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-071-INSECTICIDE SPRAYING--WIDORTON BEND AREA										
Road Id - 002981 - WIDORTON BEND AREA										
Activity Id 403 Insecticide Treatment										
Road District - 6										
10/6/2016	72201	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
10/6/2016	72201	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
10/10/2016	72206	1058	VAUGHN JAMES D	I	17.45	3.00	\$87.25			
10/10/2016	72206	1032	TRUCK--2009 CHEVROLET	I	14.05	5.00		\$70.25		
10/10/2016	72206	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
10/10/2016	72206	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
10/12/2016	72206	1058	VAUGHN JAMES D	I	17.45	3.00	\$87.25			
10/12/2016	72206	1032	TRUCK--2009 CHEVROLET	I	14.05	5.00		\$70.25		
10/12/2016	72206	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
10/12/2016	72206	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
10/13/2016	72206	1058	VAUGHN JAMES D	I	17.45	3.00	\$87.25			
10/13/2016	72206	1032	TRUCK--2009 CHEVROLET	I	14.05	5.00		\$70.25		
10/13/2016	72206	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
10/13/2016	72206	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
10/17/2016	72211	1058	VAUGHN JAMES D	I	17.45	3.00	\$87.25			
10/17/2016	72211	1032	TRUCK--2009 CHEVROLET	I	14.05	5.00		\$70.25		
10/17/2016	72211	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
10/17/2016	72211	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
10/19/2016	72211	1058	VAUGHN JAMES D	I	17.45	3.00	\$87.25			
10/19/2016	72211	1032	TRUCK--2009 CHEVROLET	I	14.05	5.00		\$70.25		
10/19/2016	72211	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
10/19/2016	72211	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
10/20/2016	72211	1058	VAUGHN JAMES D	I	17.45	3.00	\$87.25			
10/20/2016	72211	1032	TRUCK--2009 CHEVROLET	I	14.05	5.00		\$70.25		
10/20/2016	72211	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
10/20/2016	72211	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
10/24/2016	72217	1058	VAUGHN JAMES D	I	17.45	3.00	\$87.25			
10/24/2016	72217	1032	TRUCK--2009 CHEVROLET	I	14.05	5.00		\$70.25		
10/24/2016	72217	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
10/24/2016	72217	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
10/26/2016	72217	1058	VAUGHN JAMES D	I	17.45	3.00	\$87.25			
10/26/2016	72217	1032	TRUCK--2009 CHEVROLET	I	14.05	5.00		\$70.25		
10/26/2016	72217	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
10/26/2016	72217	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
10/27/2016	72217	1058	VAUGHN JAMES D	I	17.45	3.00	\$87.25			
10/27/2016	72217	1032	TRUCK--2009 CHEVROLET	I	14.05	5.00		\$70.25		
10/27/2016	72217	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
10/27/2016	72217	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
11/2/2016	72223	1058	VAUGHN JAMES D	I	17.45	4.00	\$69.80			
10/31/2016	72223	1058	VAUGHN JAMES D	I	17.45	3.00	\$87.25			
10/31/2016	72223	1032	TRUCK--2009 CHEVROLET	I	14.05	5.00		\$70.25		
10/31/2016	72223	1706-K	INSECTICIDE--KONTROL 4-4	GAL	19.33	2.00				\$38.66
10/31/2016	72223	1706	INSECTICIDE--MALATHION	GAL	44.19	0.50				\$22.10
Project Cost by Category							\$1,204.85	\$913.25	\$789.88	\$8.00
Total Project Cost							\$2,997.18			

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
- Silo Rd
- Owls Hollow Rd Several Locations
- Broken Arrow
- Webster Chapel Rd
- Lawson Gap Rd

Deputy
Eric Terrell











TAKEDIA
7-27-16



Ticket # TNOGDC

PURCHASE TICKET

Schnitzer Southeast - Attalla
1007 9th Street SW
Attalla, AL 35954 US
256-538-7891

Scrap metal

Ticket # TNOGDC
Vehicle ID: 11000H CD
Vehicle No: 1K TNOGDC

Date: 07/26/16
Ship Date: 07/26/16

Purchased From: ETONGE
ETOWAH COUNTY CORR. INST. 4
600 FORREST AVE
GROSDEN, AL 35891

Item Spent Material	Gross	Tare	Pounds		
			Net	Adj	Pd Wt
1. TNOGDC #1 & #2 HRS UNPREPARE	27700a	25600b	2020	0	2020
Totals			2020	0	2020

Gross Wgt Date/Time: 07/26/16 11:37
Tare Wgt Date/Time: 07/26/16 11:47
GROSS TARE
0.9018

Material Summary	Pd Wt (lb)	Price \$/Unit	Extended Price \$
#1 & #2 HRS UNPREPARED	2020	6.0000/hundred wgt	121.20
Total:			\$ 121.20

Weighter Signature _____

Customer Signature _____

(All weights are reported in pounds unless otherwise indicated)
(All non-pound weights are reported in the actual weights)
(a-Scale 1 b-Scale 2 c-Scale 3 d-Scale 4 e-Manual Weight)

I affirm under penalty of law that the property I am selling in this transaction is not, to the best of my knowledge, stolen property and I am the lawful owner. I hereby convey legal title to Purchaser/Payer. I warrant that the material does not contain any hazardous substances as defined by the federal and/or state law, and I agree to indemnify Purchaser/Payer if this is untrue.

DISCLAIMER AND WAIVER OF LIABILITY

This disclaimer and waiver covers both present and future deliveries. In consideration for access to the yards facilities and services, the customer, driver and all others who enter the yard acknowledge and assume the risk involved in discharging scrap metal in the yard. The customer, driver and all others who enter the yard hereby release, indemnify and hold harmless Schnitzer Steel Industries, Inc., its subsidiaries, owners, officers, directors, employees, and agents, from any and all liability (including claims based upon negligence) for damage or injury, including all forms of property damage, bodily 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 scrap metal in the yard. The only claims not released are those based upon intentional misconduct.



Ticket # TNQXAT

PURCHASE TICKET

Schwitzer Southern
1007 5th Street SE
Atlanta, AL 30354 US
252-537-7881



Ticket #: TNQXAT
Vehicle ID: ETOWAH CO
Vehicle No: TK TNQXAT
Purchased From: ETOH01
ETOWAH COUNTY COMM. DIST. 4
800 FOREST AVE.
GADSDEN, AL 36001

Date: 08/15/16
Ship Date: 08/15/16

Item Shipped Material	Gross	Tare	Pounds		Pd Wt
			Net	Adj	
1. TNQXAT #1 & #2 HPS IMPREFWRE	17000a	16320b	740	0	740
Totals			740	0	740
Gross Wght Date/Time	08/15/16 12:34		GROSS TONS		
Tare Wght Date/Time	08/15/16 12:40		0.3384		
Material Summary	Pd Wt (lb)	Price \$/Unit	Extended Price \$		

SCHNITZER SOUTHEAST, LLC, 1007 Lake Rhea Road Atalla, AL, 35954 (256) 538-7891

ETOWAH COUNTY COMM. DIST. 4
Vendor # 870911

Date: 07/26/16
Check No: 121616

TICKETS SHIP DATE COMMUNITY	GROSS	TAX	NET	VEHICLE ID	PRICE IN	WGT	EXT	TOTAL AMT
2W02DC 07/24/16 #1 & #2 H&H UNPREPARED	27700	3088	2028	HYUNDAI CR	6.0000 CR		5.00	121.00
VEHICLE WEIGHT TOTALS (Pounds):			2028	TOTAL WGT: 6		121.00		

To Kevin 7-27-2016

THIS CHECK HAS A GREEN AND BLUE BACKGROUND AND IS PRINTED ON WATERMARKED PAPER. THE BORDER IS MICROPRINTED AS A SAFETY PRECAUTION.

Schnitzer  SCHNITZER SOUTHEAST, LLC.
1007 Lake Rhea Road
Atalla, AL 35954
(256) 538-7891

WELLS FARGO BANK
06-302/012

No. 121616

DATE
07/26/16

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


Authorized Signature
Valid After 180 Days

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	RECEIPT DESCRIPTION	TRANSACTION AMOUNT																																				
111.47360.730	Sale of Equipment/ Scrap Sale of Scrap ck # 766628	\$44.40																																				
	<table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">Payments:</td> <td style="width: 10%;">Type</td> <td style="width: 45%;">Detail</td> <td style="width: 30%;">Amount</td> </tr> <tr> <td></td> <td>Check</td> <td>766628</td> <td style="text-align: right;">\$44.40</td> </tr> <tr> <td></td> <td></td> <td>Total Cash</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td></td> <td></td> <td>Total Check</td> <td style="text-align: right;">\$44.40</td> </tr> <tr> <td></td> <td></td> <td>Total Charge</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td></td> <td></td> <td>Total Other</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td></td> <td></td> <td>Total Remitted</td> <td style="text-align: right;">\$44.40</td> </tr> <tr> <td></td> <td></td> <td>Change</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td></td> <td></td> <td>Total Received</td> <td style="text-align: right;">\$44.40</td> </tr> </table>	Payments:	Type	Detail	Amount		Check	766628	\$44.40			Total Cash	\$0.00			Total Check	\$44.40			Total Charge	\$0.00			Total Other	\$0.00			Total Remitted	\$44.40			Change	\$0.00			Total Received	\$44.40	
Payments:	Type	Detail	Amount																																			
	Check	766628	\$44.40																																			
		Total Cash	\$0.00																																			
		Total Check	\$44.40																																			
		Total Charge	\$0.00																																			
		Total Other	\$0.00																																			
		Total Remitted	\$44.40																																			
		Change	\$0.00																																			
		Total Received	\$44.40																																			
	Total Amount:	\$44.40																																				

Customer Copy



UNIVERSAL ENVIRONMENTAL SERVICES, LLC

STATEMENT

Page No. 1 of 1

Universal Environmental Services, LLC
411 Dividend Drive
PEACHTREE CITY, GA 30269

Statement Date:	12/13/2016
Customer Number:	ETO800
Payment Terms:	NET 10 DAYS
Total Due:	\$95.00

ETOWAH COUNTY COMMISSION
800 FORREST AVE. ROOM 012
GADSDEN, AL 35901

Amount Remitted:	\$
------------------	----

PO. 2017-591

used oil disposal

Document	Transaction Number	Date	Location	Location Name	Debits	Credits	Balance
IN0171788	TX-0864-121716-0009	12/13/2016	005	ETOWAH CO DIST 2	95.00		95.00
Total Amount Outstanding					95.00	0.00	95.00

ACCEPTED PAYMENT METHODS

- If you want to pay using a credit card go to: www.universal.com (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
- If you want to pay over the phone using a credit card please call (800) 988-7977.

300 Gallons

Outstanding Invoice Amounts	95.00
Current	0.00
Up To 30 Days	95.00
31 - 60 Days	0.00
61 - 90 Days	0.00
Over 90 Days	0.00

Thank you for letting us serve you!

Universal Environmental Services LLC | 411 Dividend Drive | Peachtree City, GA 30269
Ph: 770-486-8816 | Fax: 770-486-0655 | ar@universalenviro.com

Etowah County Road Department
Job Cost Selective Report
 from 4/1/2016 to 3/31/2017

Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 24-130-1&DEM TIRE DISPOSAL PROJECT										
Road Id - -										
Activity Id - 653 Tire Disposal										
Road District -										
05/2016	72119	2528	CARROLL MARCUS	1	13.36	5.00	\$66.80			
05/2016	72119	0997	DUMP TRUCK--FLATBED	1	47.19	5.00		\$235.95		
05/2016	72119	1042	BACKHOE	1	61.73	5.00		\$308.65		
05/2016	72119	2521	HILL AMOS	1	13.36	5.00	\$66.80			
05/2016	72119	1006	DUMP TRUCK--2015 MACK	1	78.95	5.00		\$394.75		
05/2016	72119	2523	SEARS MARQUETTE	1	12.10	5.00	\$60.50			
05/2016	72119	1008	DUMP TRUCK	1	77.28	5.00		\$386.40		
05/2016	72119	2528	CATLING LEVAR	1	12.10	5.00	\$60.50			
06/2016	72120	2526	CARROLL MARCUS	1	13.36	10.00	\$133.60			
06/2016	72120	1041	BACKHOE	1	61.73	10.00		\$617.30		
06/2016	72120	2521	HILL AMOS	1	13.36	10.00	\$133.60			
06/2016	72120	1006	DUMP TRUCK--2015 MACK	1	78.95	10.00		\$789.50		
06/2016	72120	2523	SEARS MARQUETTE	1	12.10	10.00	\$121.00			
06/2016	72120	1008	DUMP TRUCK	1	77.28	10.00		\$772.80		
06/2016	72120	2528	CATLING LEVAR	1	12.10	10.00	\$121.00			
07/2016	72121	2521	HILL AMOS	1	13.36	5.00	\$66.80			
07/2016	72121	1006	DUMP TRUCK--2015 MACK	1	78.95	5.00		\$394.75		
07/2016	72121	2523	SEARS MARQUETTE	1	12.10	5.00	\$60.50			
07/2016	72121	1008	DUMP TRUCK	1	77.28	5.00		\$386.40		
11/5/2016	72231	0027	BRYANT JERRY A	6	39.03	5.00	\$195.15			
11/5/2016	72231	0997	DUMP TRUCK--3008	1	47.19	5.00		\$235.95		
11/5/2016	72231	1042	BACKHOE--2013 CAT 430F	1	61.73	5.00		\$308.65		
11/5/2016	72231	2507	GRANGER BRUCE	6	21.27	5.00	\$106.35			
11/5/2016	72231	1066	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
11/5/2016	72231	1196	PATTERSON WILLIAM J	6	28.28	5.00	\$141.40			
11/5/2016	72231	1064	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
11/7/2016	72233	0027	BRYANT JERRY A	1	20.33	5.00	\$101.65			
11/7/2016	72233	1042	BACKHOE--2013 CAT 430F	1	61.73	5.00		\$308.65		
11/7/2016	72233	1008	DUTTON CLAUDE C	1	13.80	5.00	\$69.00			
11/7/2016	72233	1064	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
11/7/2016	72233	2507	GRANGER BRUCE	1	14.04	5.00	\$70.20			
11/7/2016	72233	1066	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
11/7/2016	72233	1009	PERKINS ROGER L	1	14.45	5.00	\$72.25			
11/7/2016	72233	1065	DUMP TRUCK--2016 MACK	1	104.81	5.00		\$524.05		
Project Cost by Category							\$1,669.10	\$7,760.00	\$0.00	\$0.00
Total Project Cost										\$9,429.10

Etowah County Road Department
Job Cost Selective Report
 from 4/1/2016 to 3/31/2017

Date	BJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id -										
Road Id - c										
Activity Id 427 Dead Animal Disposal										
Road District -										
11/1/2006	72228	0027	BRYANT JERRY A	2	29.87	3.00	\$89.61			
11/1/2006	72228	0997	DUMP TRUCK--2008	1	47.09	3.00		\$141.27		
11/1/2006	72228	1042	BACKHOE--2015 CAT 430F	1	61.73	3.00		\$185.19		
2/13/2007	72308	0027	BRYANT JERRY A	2	29.87	3.00	\$89.61			
2/13/2007	72308	0997	DUMP TRUCK--2008	1	49.36	3.00		\$148.08		
2/13/2007	72308	1041	BACKHOE--2015 CAT 430F	1	61.73	3.00		\$183.19		
Road Id - 000457-c DUCK SPRINGS ROAD										
Activity Id 417 Dead Animal Disposal										
Road District -3										
11/14/2006	72238	1217	NORTON STEVE A	2	23.91	3.00	\$71.73			
11/14/2006	72238	1043	BACKHOE--2015 CAT 430F	1	61.73	3.00		\$183.19		
11/14/2006	72238	1000	TRAILER--2009	1	12.47	3.00		\$37.41		
11/14/2006	72238	1001	DUMP TRUCK--2010	1	47.93	3.00		\$143.79		
Road Id - 000542-c GARMON ROAD										
Activity Id 417 Dead Animal Disposal										
Road District -6										
4/2/2016	72044	0180	WILLIAMS SPENCER B	6	42.00	4.00	\$168.00			
4/2/2016	72044	1056	PICKUP--2012 FORD F150	1	19.74	4.00		\$78.96		
Project Cost by Category							548.95	\$1,305.38	50.00	50.00
Total Project Cost										\$1,824.33

Etowah County Road Department

Job Cost Selective Report

from 4/1/2016 to 3/31/2017

Date	Dist	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqs Cost	Mat Cost	Con Cost
Project Id - 28-002-EROW MAINTENANCE-DRAINAGE-DITCH/SHOULDER										
Road Id - 00254- SPINKS ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District - 4										
1/26/2017	T2293	2532	HUFF WALTER B	3	18.67	4.00	\$74.68			
1/26/2017	T2293	2531	MAYS JIMMY R	3	16.54	4.00	\$66.16			
1/26/2017	T2293	0933	PICKUP	1	18.86	4.00		\$75.44		
Road Id - 002573- STEELE STATION ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District - 4										
3/13/2017	T2333	2526	CARROLL MARCUS	3	18.38	10.00	\$183.80			
3/13/2017	T2333	3039	EXCAVATOR-2005 CAT	1	157.74	10.00		\$1,577.40		
3/14/2017	T2334	1517	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
3/14/2017	T2334	1005	TRUCK-2007 FORD F150	1	18.86	10.00		\$188.60		
3/14/2017	T2334	2526	CARROLL MARCUS	3	18.38	10.00	\$183.80			
3/14/2017	T2334	3039	EXCAVATOR-2005 CAT	1	157.74	10.00		\$1,577.40		
3/14/2017	T2334	1110	MCGATHA CHARLES K	3	24.22	10.00	\$242.20			
3/14/2017	T2334	3038	DOZER-2015 CAT D6K2LGP	1	114.11	10.00		\$1,141.10		
3/15/2017	T2335	1517	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
3/15/2017	T2335	1005	TRUCK-2007 FORD F150	1	18.86	10.00		\$188.60		
3/15/2017	T2335	2526	CARROLL MARCUS	3	18.38	10.00	\$183.80			
3/15/2017	T2335	3039	EXCAVATOR-2005 CAT	1	157.74	10.00		\$1,577.40		
3/15/2017	T2335	1110	MCGATHA CHARLES K	3	24.22	10.00	\$242.20			
3/15/2017	T2335	3038	DOZER-2015 CAT D6K2LGP	1	114.11	10.00		\$1,141.10		
3/16/2017	T2336	1517	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
3/16/2017	T2336	1005	TRUCK-2007 FORD F150	1	18.86	10.00		\$188.60		
3/16/2017	T2336	2526	CARROLL MARCUS	3	18.38	10.00	\$183.80			
3/16/2017	T2336	3039	EXCAVATOR-2005 CAT	1	157.74	10.00		\$1,577.40		
3/16/2017	T2336	1110	MCGATHA CHARLES K	3	24.22	10.00	\$242.20			
3/16/2017	T2336	3038	DOZER-2015 CAT D6K2LGP	1	114.11	10.00		\$1,141.10		
3/16/2017	T2336	2503	GIPSON ADAM	3	19.88	10.00	\$198.80			
3/16/2017	T2336	1004	TRUCK-PICK UP FLAT CRSW	1	26.78	10.00		\$267.80		
3/16/2017	T2336	2528	CATTLING LEVAR	3	19.01	10.00	\$190.10			
3/17/2017	T2337	2526	CARROLL MARCUS	6	24.84	11.00	\$273.24			
3/17/2017	T2337	3039	EXCAVATOR-2005 CAT	1	157.74	11.00		\$1,735.14		
3/17/2017	T2337	1517	WASHINGTON ROBERT E	6	38.02	11.00	\$418.22			
3/17/2017	T2337	1005	TRUCK-2007 FORD F150	1	18.86	11.00		\$207.46		
3/18/2017	T2337	1517	WASHINGTON ROBERT E	6	38.02	4.00	\$152.08			
3/18/2017	T2337	1005	TRUCK-2007 FORD F150	1	18.86	4.00		\$75.44		
3/18/2017	T2337	3039	EXCAVATOR-2005 CAT	1	157.74	4.00		\$630.96		
3/20/2017	T2339	1517	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
3/20/2017	T2339	1005	TRUCK-2007 FORD F150	1	18.86	10.00		\$188.60		
3/20/2017	T2339	2526	CARROLL MARCUS	3	18.38	10.00	\$183.80			
3/20/2017	T2339	3039	EXCAVATOR-2005 CAT	1	157.74	10.00		\$1,577.40		
3/20/2017	T2339	2503	GIPSON ADAM	3	19.88	10.00	\$198.80			
3/20/2017	T2339	1004	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10		
3/20/2017	T2339	2507	GRANGER BRUCE	3	18.84	10.00	\$188.40			
3/20/2017	T2339	1004	TRUCK-PICK UP FLAT CREW	1	26.78	10.00		\$267.80		
3/20/2017	T2339	2534	WENN TOMMY L	3	66.19	10.00	\$661.90			
3/21/2017	T2340	1517	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
3/21/2017	T2340	1005	TRUCK-2007 FORD F150	1	18.86	10.00		\$188.60		
3/21/2017	T2340	2526	CARROLL MARCUS	3	18.38	10.00	\$183.80			
3/21/2017	T2340	3039	EXCAVATOR-2005 CAT	1	157.74	10.00		\$1,577.40		
3/21/2017	T2340	2528	CATTLING LEVAR	3	19.01	10.00	\$190.10			
3/21/2017	T2340	0817	PICKUP	1	14.42	10.00		\$144.20		
3/21/2017	T2340	2534	WENN TOMMY L	3	66.19	10.00	\$661.90			
3/22/2017	T2341	1517	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
3/22/2017	T2341	1005	TRUCK-2007 FORD F150	1	18.86	10.00		\$188.60		
3/22/2017	T2341	2526	CARROLL MARCUS	3	18.38	10.00	\$183.80			

Etowah County Road Department
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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-002-180W MAINTENANCE-DRAINAGE/DITCH/SHOULDER										
Road Id - 002575- STEELE STATION ROAD										
Activity Id -402 Brush & Tree Clearing										
Road District -4										
3/23/2017	72343	1009	EXCAVATOR-2015 CAT	1	157.74	10.00		\$1,577.40		
3/23/2017	72343	2528	CATTLENO LEVAR	3	19.66	10.00	\$196.10			
3/23/2017	72343	0817	PICKUP	1	14.42	10.00			\$144.20	
3/23/2017	72343	2534	WENN TOMMY L	3	16.19	10.00	\$161.90			
3/23/2017	72342	1517	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
3/23/2017	72342	1005	TRUCK-2007 FORD F150	1	18.86	10.00		\$188.60		
3/23/2017	72342	2526	CARROLL MARCUS	3	18.38	10.00	\$183.80			
3/23/2017	72342	1009	EXCAVATOR-2015 CAT	1	157.74	10.00		\$1,577.40		
3/23/2017	72342	2534	WENN TOMMY L	3	16.19	10.00	\$161.90			
3/23/2017	72342	1001	TRUCK-2008 FORD F450	1	29.08	10.00		\$290.80		
3/23/2017	72342	2515	STOWERS SHEA	3	20.62	10.00	\$206.20			
3/24/2017	72343	2526	CARROLL MARCUS	6	24.84	11.00	\$273.24			
3/24/2017	72343	1009	EXCAVATOR-2015 CAT	1	157.74	11.00		\$1,335.14		
3/24/2017	72343	1517	WASHINGTON ROBERT E	6	38.02	11.00	\$418.22			
3/24/2017	72343	1044	EXCAVATOR-2015 CAT 314E	1	102.59	11.00		\$1,128.49		
3/24/2017	72343	1008	PICKUP-2012 FORD F150	1	18.86	11.00		\$207.46		
3/25/2017	72343	1517	WASHINGTON ROBERT E	6	38.02	10.00	\$380.20			
3/25/2017	72343	1008	PICKUP-2012 FORD F150	1	18.86	10.00		\$188.60		
3/25/2017	72343	1009	EXCAVATOR-2015 CAT	1	157.74	10.00		\$1,577.40		
3/27/2017	72343	2526	CARROLL MARCUS	3	18.38	10.00	\$183.80			
3/27/2017	72343	1009	EXCAVATOR-2015 CAT	1	157.74	10.00		\$1,577.40		
3/27/2017	72345	1517	WASHINGTON ROBERT E	3	27.93	10.00	\$279.30			
3/27/2017	72345	1044	EXCAVATOR-2015 CAT 314E	1	102.59	10.00		\$1,025.90		
3/27/2017	72345	2515	STOWERS SHEA	3	20.62	10.00	\$206.20			
3/27/2017	72345	0817	PICKUP	1	14.42	10.00		\$144.20		
3/27/2017	72345	2534	WENN TOMMY L	3	16.19	10.00	\$161.90			
3/31/2017	72349	1517	WASHINGTON ROBERT E	6	38.02	11.00	\$418.22			
3/31/2017	72349	1009	EXCAVATOR-2015 CAT	1	157.74	11.00		\$1,335.14		
3/31/2017	72349	1005	TRUCK-2007 FORD F150	1	18.86	11.00		\$207.46		
3/31/2017	72349	2526	CARROLL MARCUS	6	24.84	11.00	\$273.24			
3/31/2017	72349	1001	TRUCK-2008 FORD F450	1	29.08	11.00		\$319.88		
3/31/2017	72349	1044	EXCAVATOR-2015 CAT 314E	1	102.59	11.00		\$1,128.49		
Road Id - 002621- TERRELL ROAD										
Activity Id -402 Brush & Tree Clearing										
Road District -4										
1/26/2017	72293	0879	KELLEY DONALD R	3	30.45	10.00	\$304.50			
1/26/2017	72293	1044	EXCAVATOR-2015 CAT 314E	1	102.59	10.00		\$1,025.90		
1/26/2017	72293	1491	NAIL JAMES	3	22.71	10.00	\$227.10			
1/26/2017	72293	1068	DUMP TRUCK-2006 MACK	1	104.81	10.00		\$1,048.10		
1/26/2017	72293	2512	SHEELER DAVID	3	16.92	9.00	\$152.28			
1/26/2017	72293	1069	DUMP TRUCK-2006 MACK	1	104.81	9.00		\$943.29		
1/26/2017	72293	2521	HILL AMOS	3	20.56	10.00	\$205.60			
1/26/2017	72293	1072	TRUCK-2011 FORD F350	1	24.57	10.00		\$245.70		
1/30/2017	72295	0879	KELLEY DONALD R	3	30.45	10.00	\$304.50			
1/30/2017	72295	1044	EXCAVATOR-2015 CAT 314E	1	102.59	10.00		\$1,025.90		
1/30/2017	72295	1491	NAIL JAMES	3	22.71	10.00	\$227.10			
1/30/2017	72295	1068	DUMP TRUCK-2006 MACK	1	104.81	10.00		\$1,048.10		
1/30/2017	72295	2521	HILL AMOS	3	20.56	10.00	\$205.60			
1/30/2017	72295	1072	TRUCK-2011 FORD F350	1	24.57	10.00		\$245.70		
1/30/2017	72295	1225	POSSEY JAMES D	3	24.11	10.00	\$241.10			
1/30/2017	72295	0952	DUMP TRUCK-FLATBED	1	49.36	10.00		\$493.60		
Project Cost by Category							\$11,608.68	\$39,301.89	\$0.00	\$0.00
Total Project Cost							\$50,910.57			

Etowah County Road Department
Job Cost Selective Report
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Date	DI Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-004-WEATHER RELATED MAINTENANCE-GEN. MAINT.										
Road Id - -:										
Activity Id - 402 Brush & Tree Clearing										
Road District - 4										
6/28/2016	72115	2321	HELL AMOS	1	13.36	10.00	\$133.60			
6/28/2016	72115	1031	TRUCK-FLATBED CREW	1	29.71	10.00		\$297.10		
6/28/2016	72115	2315	STOWERS SHEA	1	15.26	10.00	\$152.60			
Road District - 2										
6/28/2016	72115	2507	GRANGER BRUCE	1	13.73	10.00	\$137.30			
6/28/2016	72115	0981	PICKUP	1	19.44	10.00		\$194.40		
6/28/2016	72115	2523	SEARS MARQUETTE	1	12.10	10.00	\$121.00			
Road Id - 000178- BRASHER CUT-OFF RD										
Activity Id - 402 Brush & Tree Clearing										
Road District - 4										
7/7/2016	72121	2526	CARROLL MARCUS	1	13.36	5.00	\$66.80			
7/7/2016	72121	0997	DUMP TRUCK-FLATBED	1	47.19	5.00		\$235.95		
7/7/2016	72121	1042	BACKHOE	1	61.73	5.00		\$308.65		
7/7/2016	72121	2523	SEARS MARQUETTE	1	12.10	5.00	\$60.50			
7/7/2016	72121	1068	DUMP TRUCK	1	77.28	5.00		\$386.40		
7/7/2016	72121	2521	HELL AMOS	1	13.36	5.00	\$66.80			
7/7/2016	72121	1006	DUMP TRUCK-2015 MACK	1	78.95	5.00		\$394.75		
7/7/2016	72121	2528	CATLING LEVAR	1	12.10	5.00	\$60.50			
7/7/2016	72121	0981	PICKUP	1	18.31	5.00		\$91.55		
Road Id - 001053- MCCARVER DRIVE										
Activity Id - 402 Brush & Tree Clearing										
Road District - 2										
7/5/2016	72119	2526	CARROLL MARCUS	1	13.36	2.50	\$33.40			
7/5/2016	72119	0997	DUMP TRUCK-FLATBED	1	47.19	2.50		\$117.98		
7/5/2016	72119	1042	BACKHOE	1	61.73	2.50		\$154.33		
7/5/2016	72119	2521	HELL AMOS	1	13.36	2.50	\$33.40			
7/5/2016	72119	2523	SEARS MARQUETTE	1	12.10	2.50	\$30.25			
7/5/2016	72119	0981	PICKUP	1	18.31	2.50		\$45.78		
7/5/2016	72119	2528	CATLING LEVAR	1	12.10	2.50	\$30.25			
Road Id - 002046- MOUNTAIN VIEW DRIVE										
Activity Id - 402 Brush & Tree Clearing										
Road District - 3										
7/11/2016	72125	0027	BRYANT JERRY A	1	20.29	5.00	\$101.45			
7/11/2016	72125	0997	DUMP TRUCK-FLATBED	1	47.19	5.00		\$235.95		
7/11/2016	72125	1042	BACKHOE	1	61.73	5.00		\$308.65		
7/11/2016	72125	2523	SEARS MARQUETTE	1	12.10	6.00	\$72.60			
7/11/2016	72125	1009	DUMP TRUCK	1	77.28	6.00		\$463.68		
7/11/2016	72125	2529	SWORDS NICOLAS	1	13.36	6.00	\$80.16			
7/11/2016	72125	0981	PICKUP	1	18.31	6.00		\$109.86		
7/11/2016	72125	2531	MAYS EMMY R	1	12.10	6.00	\$72.60			
Road Id - 002251- RABBITTOWN ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District - 1										
5/5/2016	72071	0027	BRYANT JERRY A	1	20.29	5.00	\$101.45			
5/5/2016	72071	0998	DUMP TRUCK-FLATBED	1	53.58	5.00		\$267.90		
5/5/2016	72071	1041	BACKHOE	1	67.34	5.00		\$336.70		
5/5/2016	72071	1809	PERKINS ROGER L	1	14.13	5.00	\$70.65			
5/5/2016	72071	1036	DUMP TRUCK-2015 MACK	1	98.61	5.00		\$493.05		
5/5/2016	72071	2507	GRANGER BRUCE	1	13.73	5.00	\$68.65			
5/5/2016	72071	0981	PICKUP	1	19.44	5.00		\$97.20		
Road Id - 002788- WILSON DRIVE										
Activity Id - 402 Brush & Tree Clearing										
Road District - 5										
7/5/2016	72119	2526	CARROLL MARCUS	1	13.36	2.50	\$33.40			
7/5/2016	72119	0997	DUMP TRUCK-FLATBED	1	47.19	2.50		\$117.98		

Etowah County Road Department
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Date	DI Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost	
Project Id - 28-004-1WEATHER RELATED MAINTENANCE-GEN. MAINT.											
Road Id - 002788- WILSON DRIVE											
Activity Id -402 Brush & Tree Clearing											
Road District -6											
7/5/2016	72119	1042	BACKHOE	1	61.73	2.50		\$154.33			
7/5/2016	72119	2521	HEL AMOS	1	13.36	2.50	\$33.40				
7/5/2016	72119	2523	SEARS MARQUETTE	1	12.10	2.50	\$30.25				
7/5/2016	72119	0981	PICKUP	1	18.33	2.50			\$45.78		
7/5/2016	72119	2528	CATTLING LEVAR	1	12.10	2.50	\$30.25				
Project Cost by Category							\$1,621.26	\$4,817.97	\$0.00	\$0.00	
Total Project Cost											<u>\$6,439.23</u>

Project Id - 28-004-1WEATHER RELATED MAINTENANCE-GEN. MAINT.										
Road Id - 000091- BARKSDALE ROAD										
Activity Id -402 Brush & Tree Clearing										
Road District -3										
3/15/2017	72310	2527	ALLEN JORDAN	1	12.36	3.00	\$37.08			
3/15/2017	72310	1043	BACKHOE-2015 CAT 400F	1	61.73	3.00		\$185.19		
3/15/2017	72310	2532	HUFF WALTER B	1	12.06	3.00	\$36.18			
3/15/2017	72310	0952	DUMP TRUCK-FLATBED	1	49.36	3.00		\$148.08		
3/15/2017	72310	1000	TRAILER-2009	1	12.47	3.00		\$37.41		
3/15/2017	72310	1001	DUMP TRUCK-2010	1	49.36	3.00		\$148.08		
Road Id - 000199- BROTHERS ROAD										
Activity Id -402 Brush & Tree Clearing										
Road District -4										
12/13/2016	72260	2527	ALLEN JORDAN	1	12.36	5.00	\$61.80			
12/13/2016	72260	1040	BACKHOE-2015 CAT 400F	1	61.73	5.00		\$308.65		
12/13/2016	72260	1000	TRAILER-2009	1	12.47	5.00		\$62.35		
12/13/2016	72260	1001	DUMP TRUCK-2010	1	47.93	5.00		\$239.65		
12/13/2016	72260	1491	NAIL JAMES	1	15.26	5.00	\$76.30			
12/13/2016	72260	1068	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
Road Id - 000796- HORTON GAP ROAD										
Activity Id -402 Brush & Tree Clearing										
Road District -3										
3/15/2017	72310	2527	ALLEN JORDAN	1	12.36	4.00	\$49.44			
3/15/2017	72310	1043	BACKHOE-2015 CAT 400F	1	61.73	4.00		\$246.92		
3/15/2017	72310	2532	HUFF WALTER B	1	12.06	4.00	\$48.24			
3/15/2017	72310	0952	DUMP TRUCK-FLATBED	1	49.36	4.00		\$197.44		
3/15/2017	72310	1000	TRAILER-2009	1	12.47	4.00		\$49.88		
3/15/2017	72310	1004	TRUCK-PICK UP FLAT CREW	1	26.78	4.00		\$107.12		
Road Id - 000924- LEETH GAP ROAD										
Activity Id -402 Brush & Tree Clearing										
Road District -3										
3/15/2017	72310	2527	ALLEN JORDAN	1	12.36	3.00	\$37.08			
3/15/2017	72310	1043	BACKHOE-2015 CAT 400F	1	61.73	3.00		\$185.19		
3/15/2017	72310	2532	HUFF WALTER B	1	12.06	3.00	\$36.18			
3/15/2017	72310	0952	DUMP TRUCK-FLATBED	1	49.36	3.00		\$148.08		
3/15/2017	72310	1000	TRAILER-2009	1	12.47	3.00		\$37.41		
3/15/2017	72310	1001	DUMP TRUCK-2010	1	49.36	3.00		\$148.08		
Road Id - 002056- MURPHREE ROAD										
Activity Id -402 Brush & Tree Clearing										
Road District -3										
3/9/2017	72305	1225	POSEY JAMES D	1	16.48	5.00	\$82.40			
3/9/2017	72305	1040	BACKHOE-2015 CAT 400F	1	61.73	5.00		\$308.65		
3/9/2017	72305	1000	TRAILER-2009	1	12.47	5.00		\$62.35		
3/9/2017	72305	1001	DUMP TRUCK-2010	1	49.36	5.00		\$246.80		
3/9/2017	72305	2527	ALLEN JORDAN	1	12.36	5.00	\$61.80			
Road Id - 002126- OLD GALLANT ROAD										

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Date	DJ ID	ID	Description	Rate ID	Rate	Units	Emp. Cost	Eqp Cost	Mat Cost	Con Cost	
Project ID -28-004-WEATHER RELATED MAINTENANCE-GEN. MAINT.											
Road ID - 002020- OLD GALLANT ROAD											
Activity ID -402 Brush & Tree Clearing											
Road District -4											
12/09/2016	72266	2527	ALLEN JORDAN	1	12.36	1.00	\$61.80				
12/09/2016	72266	1040	BACKHOE-2013 CAT 400P	1	61.73	1.00		\$308.65			
12/09/2016	72266	1000	TRAILER-2009	1	12.47	1.00		\$62.35			
12/09/2016	72266	1001	DUMP TRUCK-2010	1	43.95	1.00		\$219.65			
12/09/2016	72266	1491	NAIL JAMES	1	15.26	1.00	\$76.30				
12/09/2016	72266	1068	DUMP TRUCK-2016 MACK	1	104.81	1.00		\$524.05			
Project Cost by Category							\$664.68	\$4,526.88	\$0.00	\$0.00	
Total Project Cost											\$5,190.68

Project ID -28-005-WEATHER RELATED MAINTENANCE-AFTER HOURS											
Road ID - 002129- OLD SHEET MILL ROAD											
Activity ID -402 Brush & Tree Clearing											
Road District -1											
7/20/2016	72133	0027	BRYANT JERRY A	2	29.21	4.00	\$116.84				
Project Cost by Category							\$116.84	\$0.00	\$0.00	\$0.00	
Total Project Cost											\$116.84

Project ID -28-006-MAINTAINING UNPAVED ROADS											
Road ID - 000719- HURST CIRCLE											
Activity ID -402 Brush & Tree Clearing											
Road District -4											
8/29/2016	72167	0679	KELLEY DONALD R	1	21.49	10.00	\$214.90				
8/29/2016	72167	1043	BACKHOE	1	61.73	10.00		\$617.30			
Project Cost by Category							\$214.90	\$617.30	\$0.00	\$0.00	
Total Project Cost											\$832.20

Project ID -28-008-SIGN INSTALLATION AND MAINTENANCE											
Road ID - 002834- GREEN VALLEY ROAD											
Activity ID -402 Brush & Tree Clearing											
Road District -1											
10/23/2016	72221	1513	ASH OSCAR	3	22.73	10.00	\$227.30				
10/23/2016	72221	1057	PICKUP-2012 FORD F150	1	18.59	10.00		\$185.90			
10/23/2016	72221	2516	SHELTON WILLIAM J	3	21.79	10.00	\$217.90				
10/23/2016	72221	1070	TRUCK-2010	1	47.63	10.00		\$476.30			
10/23/2016	72221	2515	STOWERS SIBBA	3	20.48	10.00	\$204.80				
10/23/2016	72221	1530	GUTHRY THOMAS	3	20.95	10.00	\$209.50				
10/23/2016	72221	1066	DUMP TRUCK-2016 MACK	1	104.81	10.00		\$1,048.10			
Project Cost by Category							\$859.50	\$1,718.30	\$0.00	\$0.00	
Total Project Cost											\$2,569.80

Project ID -28-014-BROW MAINTENANCE-MOW & TREE TRIMMING										
Road ID - 000012- ALEXANDER ROAD										
Activity ID -402 Brush & Tree Clearing										
Road District -3										
4/23/2016	72064	2517	MESSER NICHOLAS A	1	13.71	3.00	\$41.13			
4/23/2016	72064	1040	BACKHOE	1	67.34	3.00		\$202.02		
4/23/2016	72064	1000	TRAILER-UTILITY	1	11.58	3.00		\$34.74		
4/23/2016	72064	1001	DUMP TRUCK-FLATBED	1	54.34	3.00		\$163.02		
4/23/2016	72064	0679	KELLEY DONALD R	1	21.49	3.00	\$64.47			
4/23/2016	72064	0983	PICKUP	1	15.73	3.00		\$47.19		

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Date	DI Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-014-180W MAINTENANCE-MOW & TREE TRIMMING										
Road Id - 000013- ALEXANDER ROAD										
Activity Id -402 Brush & Tree Clearing										
Road District -3										
4/27/2016	72064	2102	SHEELER DAVID	1	12.43	3.00	\$37.29			
4/27/2016	72064	1011	DUMP TRUCK	1	88.96	3.00		\$266.88		
Road Id - 000055- BLUFF ROAD										
Activity Id -402 Brush & Tree Clearing										
Road District -4										
5/19/2016	72083	0479	KELLEY DONALD R	1	21.49	2.00	\$42.98			
5/19/2016	72083	0983	PICKUP	1	15.75	2.00		\$31.50		
5/19/2016	72083	2517	MESSER NICHOLAS A	1	13.71	2.00	\$27.42			
5/19/2016	72083	1043	BACKHOE	1	67.34	2.00		\$134.68		
5/19/2016	72083	1000	TRAILER-UTILITY	1	11.58	2.00		\$23.16		
5/19/2016	72083	1001	DUMP TRUCK-FLATBED	1	54.34	2.00		\$108.68		
5/19/2016	72083	2512	SHEELER DAVID	1	12.43	2.00	\$24.86			
5/19/2016	72083	1000	DUMP TRUCK-2003	1	51.54	2.00		\$103.08		
Road Id - 000063- COUNTY LINE ROAD										
Activity Id -402 Brush & Tree Clearing										
Road District -3										
4/21/2016	72060	2517	MESSER NICHOLAS A	1	13.71	2.00	\$27.42			
4/21/2016	72060	1040	BACKHOE	1	67.34	2.00		\$134.68		
4/21/2016	72060	1000	TRAILER-UTILITY	1	11.58	2.00		\$23.16		
4/21/2016	72060	1001	DUMP TRUCK-FLATBED	1	54.34	2.00		\$108.68		
4/21/2016	72060	2512	SHEELER DAVID	1	12.43	2.00	\$24.86			
4/21/2016	72060	1018	DUMP TRUCK-2013 MACK	1	117.09	2.00		\$234.18		
4/21/2016	72060	0479	KELLEY DONALD R	1	21.49	2.00	\$42.98			
4/21/2016	72060	0983	PICKUP	1	15.75	2.00		\$31.50		
4/21/2016	72060	1513	ASH OSCAR	1	17.65	6.00	\$103.90			
4/21/2016	72060	1037	PICKUP-2012 FORD F150	1	19.74	6.00		\$118.44		
4/21/2016	72060	2514	SHELTON WILLIAM J	1	15.08	6.00	\$90.48			
4/21/2016	72060	1019	TRUCK-FLATBED (SIGN)	1	44.68	6.00		\$268.08		
Road Id - 000421- DEE HICKS ROAD										
Activity Id -402 Brush & Tree Clearing										
Road District -4										
8/25/2006	72162	2531	MAYS JIMMY R	1	12.10	10.00	\$121.00			
8/25/2006	72162	1035	TRACTOR-MOWER	1	27.44	10.00		\$274.40		
8/25/2006	72162	2512	SHEELER DAVID	1	12.43	10.00	\$124.30			
8/25/2006	72162	0961	PICKUP	1	16.43	10.00		\$164.30		
8/25/2006	72162	0679	KELLEY DONALD R	1	21.49	10.00	\$214.90			
8/25/2006	72162	0983	PICKUP	1	14.93	10.00		\$149.30		
8/25/2006	72164	2531	MAYS JIMMY R	1	12.10	10.00	\$121.00			
8/25/2006	72164	1035	TRACTOR-MOWER	1	27.44	10.00		\$274.40		
8/25/2006	72164	2512	SHEELER DAVID	1	12.43	10.00	\$124.30			
8/25/2006	72164	0961	PICKUP	1	16.43	10.00		\$164.30		
8/25/2006	72164	0679	KELLEY DONALD R	1	21.49	10.00	\$214.90			
8/25/2006	72164	0983	PICKUP	1	14.93	10.00		\$149.30		
Road Id - 000426- BELLEE AVENUE										
Activity Id -402 Brush & Tree Clearing										
Road District -1										
8/29/2016	72167	2526	CARROLL MARCUS	1	15.26	3.00	\$46.88			
8/29/2016	72167	0997	DUMP TRUCK-FLATBED	1	47.19	3.00		\$141.57		
8/29/2016	72167	1042	BACKHOE	1	61.73	3.00		\$185.19		
8/29/2016	72167	1530	GUTHRY THOMAS	1	15.66	3.00	\$46.98			
8/29/2016	72167	1029	DUMP TRUCK	1	46.31	3.00		\$139.95		
8/29/2016	72167	2528	CATLDAG LEVAR	1	12.10	3.00	\$36.30			
8/29/2016	72167	0981	PICKUP	1	18.31	3.00		\$54.93		
8/29/2016	72167	2523	SEARS MARQUETTE	1	12.10	3.00	\$36.30			
Road Id - 000427- DELMONT CIRCLE										

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Project ID - 28-014-180W MAINTENANCE-MOW & TREE TRIMMING										
Road ID - 000427- DELMONT CIRCLE										
Activity ID -402 Brush & Tree Clearing										
Road District -2										
8/4/2016	72173	0027	BRYANT JERRY A	1	20.29	2.00	\$40.58			
8/4/2016	72173	0997	DUMP TRUCK-FLATBED	1	47.19	2.00		\$94.38		
8/4/2016	72173	1042	BACKHOE	1	61.73	1.00		\$61.73		
Road ID - 000518- FORD VALLEY ROAD										
Activity ID -402 Brush & Tree Clearing										
Road District -1										
9/19/2016	72187	0027	BRYANT JERRY A	1	20.29	5.00	\$101.45			
9/19/2016	72187	0997	DUMP TRUCK-FLATBED	1	47.19	5.00		\$235.95		
9/19/2016	72187	1042	BACKHOE	1	61.73	5.00		\$308.65		
9/19/2016	72187	1468	DUTTON CLAUDE C	1	13.50	5.00	\$67.50			
9/19/2016	72187	1064	2016 MACK DUMP DRUCK	1	104.81	5.00		\$524.05		
9/19/2016	72187	1809	PERKINS ROGER L	1	14.13	5.00	\$70.65			
9/19/2016	72187	0882	DUMP TRUCK-FLAT BED	1	43.36	5.00		\$216.80		
Road ID - 000538- GALLANT ROAD										
Activity ID -402 Brush & Tree Clearing										
Road District -4										
9/15/2016	72183	1217	NORTON STEVE A	1	16.12	3.00	\$48.36			
9/15/2016	72183	1052	EXCAVATOR-WHEELLED	1	148.69	3.00		\$446.07		
9/15/2016	72183	1491	NAIL JAMES	1	14.93	3.00	\$44.79			
9/15/2016	72183	1000	DUMP TRUCK-2003	1	45.15	3.00		\$135.45		
9/15/2016	72183	1524	KINN RICHARD A	3	27.28	3.00	\$82.14			
9/15/2016	72183	1055	PICKUP-2012 FORD F150	1	18.59	3.00		\$55.77		
9/28/2016	72197	1217	NORTON STEVE A	1	16.12	3.00	\$32.24			
9/28/2016	72197	1042	BACKHOE	1	61.73	2.00		\$123.46		
9/28/2016	72197	1000	TRAILER-UTILITY	1	12.47	2.00		\$24.94		
9/28/2016	72197	1001	DUMP TRUCK-FLATBED	1	47.93	2.00		\$95.86		
9/28/2016	72197	8679	KELLEY DONALD R	1	21.49	2.00	\$42.98			
9/28/2016	72197	1030	DUMP TRUCK-2003	1	43.15	2.00		\$86.30		
Road ID - 000572- GLENN GAP ROAD										
Activity ID -402 Brush & Tree Clearing										
Road District -2										
8/23/2016	72162	0027	BRYANT JERRY A	1	20.29	10.00	\$202.90			
8/23/2016	72162	0997	DUMP TRUCK-FLATBED	1	47.19	10.00		\$471.90		
8/23/2016	72162	1042	BACKHOE	1	61.73	10.00		\$617.30		
8/23/2016	72162	1809	PERKINS ROGER L	1	14.13	10.00	\$141.30			
8/23/2016	72162	1036	DUMP TRUCK-2015 MACK	1	78.95	10.00		\$789.50		
8/23/2016	72162	2507	GRANGER BRUCE	1	13.71	10.00	\$137.30			
8/23/2016	72162	1809	DUMP TRUCK	1	77.28	10.00		\$772.80		
Road ID - 000611- HAPPY HILL RD.										
Activity ID -402 Brush & Tree Clearing										
Road District -3										
4/6/2016	72048	1513	ASH OSCAR	1	17.65	8.00	\$141.20			
4/6/2016	72048	1857	PICKUP-2012 FORD F150	1	19.74	8.00		\$157.92		
4/6/2016	72048	2516	SMELTON WILLIAM J	1	15.08	8.00	\$120.64			
4/6/2016	72048	1819	TRUCK-FLATBED(SIGN)	1	44.68	8.00		\$357.44		
Road ID - 000771- JOE OSBORN RD										
Activity ID -402 Brush & Tree Clearing										
Road District -3										
8/11/2016	72152	2331	MAYS JIMMY R	1	12.10	5.00	\$60.50			
8/11/2016	72152	1042	BACKHOE	1	61.73	5.00		\$308.65		
8/11/2016	72152	8679	KELLEY DONALD R	1	21.49	5.00	\$107.45			
8/11/2016	72152	1000	TRAILER-UTILITY	1	12.47	5.00		\$62.35		
8/11/2016	72152	1001	DUMP TRUCK-FLATBED	1	47.93	5.00		\$239.65		
Road ID - 000924- LEETH GAP ROAD										
Activity ID -402 Brush & Tree Clearing										

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Project ID - 26-014-180W MAINTENANCE-MOW & TREE TRIMMING										
Road ID - 000924- LEETH GAP ROAD										
Activity ID - 402 Brush & Tree Clearing										
Road District -3										
9/29/2016	72198	2131	MAYS JIMMY R	1	12.10	5.00	\$60.50			
9/29/2016	72198	1035	TRACTOR-MOWER	1	27.44	5.00		\$137.20		
9/29/2016	72198	1491	NAIL JAMES	1	14.93	5.00	\$74.65			
9/29/2016	72198	1028	DUMP TRUCK-FLAT CREW	1	36.22	5.00		\$181.10		
9/29/2016	72198	0679	KELLEY DONALD R	1	21.49	5.00	\$107.45			
9/29/2016	72198	0983	PICKUP	1	14.93	5.00		\$74.65		
Road ID - 002046- MOUNTAIN VIEW DRIVE										
Activity ID - 402 Brush & Tree Clearing										
Road District -3										
7/10/2016	72118	1524	KUHN RICHARD A	1	21.62	4.00	\$85.68			
7/10/2016	72118	1035	PICKUP-2012 FORD F150	1	18.59	4.00		\$74.36		
8/22/2016	72161	2131	MAYS JIMMY R	1	12.10	10.00	\$121.00			
8/22/2016	72161	1043	BACKHOE	1	61.73	10.00		\$617.30		
8/22/2016	72161	2132	SHIELER DAVID	1	12.43	10.00	\$124.30			
8/22/2016	72161	1020	DUMP TRUCK-2000	1	45.15	10.00		\$451.50		
8/22/2016	72161	0679	KELLEY DONALD R	1	21.49	10.00	\$214.90			
8/22/2016	72161	1000	TRAILER-UTILITY	1	12.47	10.00		\$124.70		
8/22/2016	72161	1001	DUMP TRUCK-FLATBED	1	47.93	10.00		\$479.30		
Road ID - 002149- OWLS HOLLOW ROAD										
Activity ID - 402 Brush & Tree Clearing										
Road District -2										
5/10/2016	72075	0540	WILLIAMS SPENCER B	2	32.37	1.00	\$32.37			
5/10/2016	72075	1056	PICKUP-2012 FORD F150	1	19.74	1.00		\$19.74		
5/10/2016	72075	2507	GRANGER BRUCE	2	20.15	1.00	\$20.15			
5/10/2016	72075	0027	BRYANT JERRY A	1	20.29	1.00	\$20.29			
5/10/2016	72075	0998	DUMP TRUCK-FLATBED	1	53.58	1.00		\$53.58		
5/10/2016	72075	1041	BACKHOE	1	67.34	1.00		\$67.34		
Road ID - 002136- RICKLES ROAD										
Activity ID - 402 Brush & Tree Clearing										
Road District -3										
5/9/2016	72074	1225	POSEY JAMES D	1	16.32	2.50	\$40.80			
5/9/2016	72074	1040	BACKHOE	1	67.34	2.50		\$168.35		
5/9/2016	72074	1000	TRAILER-UTILITY	1	11.58	2.50		\$28.95		
5/9/2016	72074	1001	DUMP TRUCK-FLATBED	1	54.34	2.50		\$135.85		
5/9/2016	72074	0679	KELLEY DONALD R	1	21.49	2.50	\$53.73			
5/9/2016	72074	1020	DUMP TRUCK-2000	1	51.54	2.50		\$128.85		
Road ID - 002444- SARDES ROAD										
Activity ID - 402 Brush & Tree Clearing										
Road District -3										
9/29/2016	72198	2131	MAYS JIMMY R	1	12.10	5.00	\$60.50			
9/29/2016	72198	1035	TRACTOR-MOWER	1	27.44	5.00		\$137.20		
9/29/2016	72198	1491	NAIL JAMES	1	14.93	5.00	\$74.65			
9/29/2016	72198	1028	DUMP TRUCK-FLAT CREW	1	36.22	5.00		\$181.10		
9/29/2016	72198	0679	KELLEY DONALD R	1	21.49	5.00	\$107.45			
9/29/2016	72198	0983	PICKUP	1	14.93	5.00		\$74.65		
Road ID - 002451- SCENIC HIGHWAY										
Activity ID - 402 Brush & Tree Clearing										
Road District -2										
4/19/2016	72058	0027	BRYANT JERRY A	1	20.29	10.00	\$202.90			
4/19/2016	72058	0997	DUMP TRUCK-FLATBED	1	53.58	10.00		\$535.80		
4/19/2016	72058	1042	BACKHOE	1	67.34	10.00		\$673.40		
4/19/2016	72058	2507	GRANGER BRUCE	1	13.73	10.00	\$137.30			
4/19/2016	72058	1009	DUMP TRUCK	1	88.96	10.00		\$889.60		
4/19/2016	72058	1513	ASH OSCAR	1	17.65	10.00	\$176.50			
4/19/2016	72058	1057	PICKUP-2012 FORD F150	1	19.74	10.00		\$197.40		

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Project Id - 28-014-180W MAINTENANCE-MOW & TREE TRIMMING										
Road Id - 002451- SCENIC HIGHWAY										
Activity Id - 402 Brush & Tree Clearing										
Road District - 2										
4/19/2016	72038	2516	SHELTON WILLIAM J	1	13.08	10.00	\$130.80			
4/19/2016	72038	1019	TRUCK-FLATBED (SGN)	1	44.68	10.00		\$446.80		
Road Id - 002486- SHERRY LANE										
Activity Id - 402 Brush & Tree Clearing										
Road District - 1										
5/19/2016	72187	0027	BRYANT JERRY A	1	20.29	5.00	\$101.45			
5/19/2016	72187	0997	DUMP TRUCK-FLATBED	1	47.19	5.00		\$235.95		
5/19/2016	72187	1042	BACKHOE	1	61.73	5.00		\$308.65		
5/19/2016	72187	1468	DUTTON CLAUDE C	1	13.50	5.00	\$67.50			
5/19/2016	72187	1064	2016 MACK DUMP TRUCK	1	194.81	5.00		\$124.05		
5/19/2016	72187	1809	PERKINS ROGER L	1	14.13	5.00	\$70.65			
5/19/2016	72187	0882	DUMP TRUCK-FLAT BED	1	43.36	5.00		\$216.80		
5/20/2016	72188	0027	BRYANT JERRY A	1	20.29	6.00	\$121.74			
5/20/2016	72188	0997	DUMP TRUCK-FLATBED	1	47.19	6.00		\$283.14		
5/20/2016	72188	1042	BACKHOE	1	61.73	6.00		\$370.38		
5/20/2016	72188	1809	PERKINS ROGER L	1	14.13	6.00	\$84.78			
5/20/2016	72188	1065	2016 MACK DUMP TRUCK	1	194.81	6.00		\$628.96		
5/20/2016	72188	1196	PATTERSON WILLIAM J	1	15.75	6.00	\$94.50			
5/20/2016	72188	0817	PICKUP	1	13.88	6.00		\$83.28		
Road Id - 002578- STONE DRIVE										
Activity Id - 402 Brush & Tree Clearing										
Road District - 2										
3/12/2016	72126	2526	CARROLL MARCUS	1	13.36	10.00	\$133.60			
3/12/2016	72126	1009	EXCAVATOR-TRACK	1	157.74	10.00		\$1,577.40		
3/12/2016	72126	2525	ARMSTRONG GREG	1	13.36	10.00	\$133.60			
3/12/2016	72126	0817	PICKUP	1	13.88	10.00		\$138.80		
3/12/2016	72126	2115	STOWERS SHEA	1	15.26	10.00	\$152.60			
3/12/2016	72126	1008	DUMP TRUCK	1	77.28	10.00		\$772.80		
3/13/2016	72127	2526	CARROLL MARCUS	1	13.36	10.00	\$133.60			
3/13/2016	72127	1009	EXCAVATOR-TRACK	1	157.74	10.00		\$1,577.40		
3/13/2016	72127	2525	ARMSTRONG GREG	1	13.36	10.00	\$133.60			
3/13/2016	72127	0981	PICKUP	1	18.31	10.00		\$183.10		
3/13/2016	72127	2115	STOWERS SHEA	1	15.26	10.00	\$152.60			
3/13/2016	72127	1008	DUMP TRUCK	1	77.28	10.00		\$772.80		
3/13/2016	72127	0027	BRYANT JERRY A	1	20.29	10.00	\$202.90			
3/13/2016	72127	1009	DUMP TRUCK	1	77.28	10.00		\$772.80		
3/13/2016	72127	1809	PERKINS ROGER L	1	14.13	10.00	\$141.30			
3/13/2016	72127	1036	DUMP TRUCK-2015 MACK	1	78.95	10.00		\$789.50		
3/14/2016	72128	2526	CARROLL MARCUS	1	13.36	10.00	\$133.60			
3/14/2016	72128	1009	EXCAVATOR-TRACK	1	157.74	10.00		\$1,577.40		
3/14/2016	72128	0027	BRYANT JERRY A	1	20.29	10.00	\$202.90			
3/14/2016	72128	1008	DUMP TRUCK	1	77.28	10.00		\$772.80		
3/14/2016	72128	1809	PERKINS ROGER L	1	14.13	10.00	\$141.30			
3/14/2016	72128	1036	DUMP TRUCK-2015 MACK	1	78.95	10.00		\$789.50		
3/14/2016	72128	1196	PATTERSON WILLIAM J	1	15.75	10.00	\$157.50			
3/14/2016	72128	1047	MOTOR GRADER-2005 CAT	1	122.21	10.00		\$1,222.10		
3/18/2016	72131	2526	CARROLL MARCUS	1	13.36	10.00	\$133.60			
3/18/2016	72131	1009	EXCAVATOR-TRACK	1	157.74	10.00		\$1,577.40		
3/18/2016	72131	1196	PATTERSON WILLIAM J	1	15.75	10.00	\$157.50			
3/18/2016	72131	1008	DUMP TRUCK	1	77.28	10.00		\$772.80		
3/18/2016	72131	1809	PERKINS ROGER L	1	14.13	10.00	\$141.30			
3/18/2016	72131	1036	DUMP TRUCK-2015 MACK	1	78.95	10.00		\$789.50		
3/19/2016	72132	2526	CARROLL MARCUS	1	13.36	10.00	\$133.60			
3/19/2016	72132	1009	EXCAVATOR-TRACK	1	157.74	10.00		\$1,577.40		
3/19/2016	72132	0027	BRYANT JERRY A	1	20.29	10.00	\$202.90			

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-014-MOW MAINTENANCE--MOW & TREE TRIMMING										
Road Id - 002578-: STONE DRIVE										
Activity Id - 402 Brush & Tree Clearing										
Road District - 2										
7/19/2016	72132	1008	DUMP TRUCK	1	77.28	10.00		\$772.80		
7/19/2016	72132	1809	PERKINS ROGER L	1	14.13	10.00	\$141.30			
7/19/2016	72132	1036	DUMP TRUCK--2015 MACK	1	78.95	10.00		\$789.50		
7/20/2016	72133	2526	CARROLL MARCUS	1	13.36	10.00	\$133.60			
7/20/2016	72133	1039	EXCAVATOR--TRACK	1	157.74	10.00		\$1,577.40		
7/20/2016	72133	1468	DUTTON CLAUDE C	1	43.50	10.00	\$435.00			
7/20/2016	72133	1008	DUMP TRUCK	1	77.28	10.00		\$772.80		
7/20/2016	72133	1809	PERKINS ROGER L	1	14.13	10.00	\$141.30			
7/20/2016	72133	1036	DUMP TRUCK--2015 MACK	1	78.95	10.00		\$789.50		
7/21/2016	72134	2526	CARROLL MARCUS	1	13.36	10.00	\$133.60			
7/21/2016	72134	1039	EXCAVATOR--TRACK	1	157.74	10.00		\$1,577.40		
7/21/2016	72134	1809	PERKINS ROGER L	1	14.13	10.00	\$141.30			
7/21/2016	72134	1036	DUMP TRUCK--2015 MACK	1	78.95	10.00		\$789.50		
7/21/2016	72134	0027	BRYANT JERRY A	1	20.29	10.00	\$202.90			
7/21/2016	72134	1008	DUMP TRUCK	1	77.28	10.00		\$772.80		
7/25/2016	72137	2526	CARROLL MARCUS	1	13.36	10.00	\$133.60			
7/25/2016	72137	1039	EXCAVATOR--TRACK	1	157.74	10.00		\$1,577.40		
7/25/2016	72137	0027	BRYANT JERRY A	1	20.29	10.00	\$202.90			
7/25/2016	72137	1008	DUMP TRUCK	1	77.28	10.00		\$772.80		
7/25/2016	72137	1809	PERKINS ROGER L	1	14.13	10.00	\$141.30			
7/25/2016	72137	1036	DUMP TRUCK--2015 MACK	1	78.95	10.00		\$789.50		
Road Id - 002849-: GOWENS CIRCLE										
Activity Id - 402 Brush & Tree Clearing										
Road District - 2										
4/20/2016	72059	2512	SHEELER DAVID	1	12.43	2.00	\$24.86			
4/20/2016	72059	0997	DUMP TRUCK--FLATBED	1	51.58	2.00		\$107.16		
4/20/2016	72059	1042	BACKHOE	1	67.34	2.00		\$134.68		
4/20/2016	72059	2507	GRANGER BRUCE	2	20.15	1.00	\$20.15			
4/20/2016	72059	1009	DUMP TRUCK	1	88.96	2.00		\$177.92		
4/20/2016	72059	1110	MCGATHA CHARLES E	1	16.14	2.00	\$32.28			
4/20/2016	72059	1513	ASH OSCAR	1	17.65	10.00	\$176.50			
4/20/2016	72059	1057	PICKUP--2012 FORD F150	1	19.74	10.00		\$197.40		
4/20/2016	72059	2116	SHEETON WILLIAM J	1	15.08	10.00	\$150.80			
4/20/2016	72059	1019	TRUCK--FLATBED (800)	1	44.68	10.00		\$446.80		
Project Cost by Category							\$9,957.26	\$46,168.08	\$0.00	\$0.00
Total Project Cost							\$56,127.34			

Project Id - 28-014-MOW MAINTENANCE--MOW, TREE TRIMMING

Road Id - 000001-2: CENTRE ROAD (CORD 7)

Activity Id - 402 Brush & Tree Clearing

Road District - 2

3/22/2017	72316	1259	FROST RANDALL C	1	21.96	6.00	\$131.76			
3/22/2017	72316	1054	PICKUP--2012 FORD F150	1	18.86	6.00		\$113.16		
3/22/2017	72316	2126	CARROLL MARCUS	1	13.64	6.00	\$81.84			
3/22/2017	72316	0998	DUMP TRUCK--2008 GMC	1	49.36	6.00		\$296.16		
3/22/2017	72316	1041	BACKHOE--2015 CAT 430P	1	61.71	6.00		\$370.26		
3/22/2017	72316	2107	GRANGER BRUCE	1	14.04	6.00	\$84.24			
3/22/2017	72316	0991	PICKUP	1	18.86	6.00		\$113.16		
3/22/2017	72316	2525	STOWERS SHEA	1	15.99	6.00	\$95.94			

Road Id - 000002-: BALD MOUNTAIN CIRCLE

Activity Id - 402 Brush & Tree Clearing

Road District - 4

11/1/2016	72228	2531	MAYS JIMMY R	1	12.36	5.00	\$61.80			
11/1/2016	72228	1035	TRACTOR--2009 JOHN DEER	1	27.44	5.00		\$137.20		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-054-EROW MAINTENANCE-SHOW, TREE TRIMMING										
Road Id - 000082 - BALD MOUNTAIN CIRCLE										
Activity Id - 402 Brush & Tree Clearing										
Road District - 4										
11/1/2016	72228	2532	HUFF WALTER B	1	12.06	1.00	\$60.30			
11/1/2016	72228	0933	PICKUP	1	18.07	1.00		\$90.35		
Road Id - 000178 - BRASHER CUT-OFF RD										
Activity Id - 402 Brush & Tree Clearing										
Road District - 4										
10/24/2016	72218	2531	MAYS JIMMY R	1	12.36	1.00	\$24.72			
10/24/2016	72218	1035	TRACTOR-2009 JOHN DEER	1	27.44	1.00		\$54.88		
10/24/2016	72218	1491	NAL JAMES	1	15.26	1.00	\$30.52			
10/24/2016	72218	0933	PICKUP	1	18.07	1.00		\$36.14		
10/24/2016	72218	1225	POSEY JAMES D	1	16.48	1.00	\$32.96			
10/24/2016	72218	3014	TRACTOR	1	28.74	1.00		\$57.48		
10/24/2016	72218	2525	ARMSTRONG GREG	1	13.64	1.00	\$27.28			
10/24/2016	72218	0881	TRACTOR	1	24.42	1.00		\$48.84		
10/24/2016	72218	2527	ALLEN JORDAN	1	12.36	1.00	\$24.72			
10/24/2016	72218	1000	TRUCK-PCK UP FLAT	1	24.91	1.00		\$49.82		
10/24/2016	72218	01185	ROTARY CUTTER-2013	1	21.38	1.00		\$42.76		
10/24/2016	72218	0118V	CUTTER-RHINO 7	1	16.65	1.00		\$33.30		
Road Id - 000199 - BROTHERS ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District - 4										
10/20/2016	72215	2531	MAYS JIMMY R	1	12.36	1.00	\$24.72			
10/20/2016	72215	1035	TRACTOR-MOWER	1	27.44	1.00		\$54.88		
10/20/2016	72215	1491	NAL JAMES	1	15.26	1.00	\$30.52			
10/20/2016	72215	0961	PICKUP	1	16.43	1.00		\$32.86		
Road Id - 000207 - BRUTON GAP ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District - 3										
10/18/2016	72213	2531	MAYS JIMMY R	2	18.21	1.00	\$36.42			
10/18/2016	72213	1035	TRACTOR-MOWER	1	27.44	1.00		\$54.88		
10/18/2016	72213	1491	NAL JAMES	2	22.20	1.00	\$44.40			
10/18/2016	72213	0933	PICKUP	1	18.07	1.00		\$36.14		
10/18/2016	72213	2531	MAYS JIMMY R	1	12.36	5.00	\$61.80			
10/18/2016	72213	1035	TRACTOR-MOWER	1	27.44	5.00		\$137.20		
10/18/2016	72213	1491	NAL JAMES	1	15.26	5.00	\$76.30			
10/18/2016	72213	0933	PICKUP	1	18.07	5.00		\$90.35		
10/18/2016	72213	0679	KELLEY DONALD R	1	21.96	5.00	\$109.80			
10/18/2016	72213	0983	PICKUP	1	14.93	5.00		\$74.65		
Road Id - 000218 - BULL HOLLOW ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District - 4										
10/27/2016	72221	2531	MAYS JIMMY R	2	18.21	1.00	\$36.42			
10/27/2016	72221	1035	TRACTOR-2009 JOHN DEER	1	27.44	1.00		\$54.88		
10/27/2016	72221	1491	NAL JAMES	2	22.20	1.00	\$44.40			
10/27/2016	72221	0933	PICKUP	1	18.07	1.00		\$36.14		
10/31/2016	72226	2531	MAYS JIMMY R	1	12.36	1.00	\$24.72			
10/31/2016	72226	1035	TRACTOR-2009 JOHN DEER	1	27.44	1.00		\$54.88		
10/31/2016	72226	2532	HUFF WALTER B	1	12.06	1.00	\$24.12			
10/31/2016	72226	0933	PICKUP	1	18.07	1.00		\$36.14		
10/31/2016	72226	1225	POSEY JAMES D	1	16.48	1.00	\$32.96			
10/31/2016	72226	1004	TRACTOR	1	28.74	1.00		\$57.48		
10/31/2016	72226	01185	ROTARY CUTTER-2013	1	21.38	1.00		\$42.76		
10/31/2016	72226	2525	ARMSTRONG GREG	1	13.64	1.00	\$27.28			
10/31/2016	72226	0881	TRACTOR	1	24.42	1.00		\$48.84		
10/31/2016	72226	0118V	CUTTER-RHINO 7	1	16.65	1.00		\$33.30		
10/31/2016	72226	2527	ALLEN JORDAN	1	12.36	1.00	\$24.72			

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Project Id - 28-014-EROW MAINTENANCE-SHOW, TREE TRIMMING										
Road Id - 000218- BULL HOLLOW ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										
10/31/2016	72226	1003	TRUCK-PICK UP FLAT	1	24.91	2.00		\$49.82		
Road Id - 000226- BURTON CUT-OFF										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										
11/9/2016	72235	2531	MAYS JIMMY R	1	12.36	2.50	\$30.90			
11/9/2016	72235	1035	TRACTOR-2009 JOHN DEER	1	27.44	2.50		\$68.60		
11/9/2016	72235	2532	HUFF WALTER B	1	12.06	2.50	\$30.15			
11/9/2016	72235	0933	PICKUP	1	18.07	2.50		\$45.18		
12/7/2016	72256	2531	MAYS JIMMY R	1	12.36	3.00	\$61.80			
12/7/2016	72256	1035	TRACTOR-2009 JOHN DEER	1	27.44	3.00		\$137.20		
12/7/2016	72256	2532	HUFF WALTER B	1	12.06	3.00	\$60.30			
12/7/2016	72256	0933	PICKUP	1	18.07	3.00		\$90.33		
Road Id - 000227- BURTON LOOP ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										
11/9/2016	72235	2531	MAYS JIMMY R	1	12.36	2.50	\$30.90			
11/9/2016	72235	1035	TRACTOR-2009 JOHN DEER	1	27.44	2.50		\$68.60		
11/9/2016	72235	2532	HUFF WALTER B	1	12.06	2.50	\$30.15			
11/9/2016	72235	0933	PICKUP	1	18.07	2.50		\$45.18		
11/14/2016	72238	2531	MAYS JIMMY R	1	12.36	10.00	\$123.60			
11/14/2016	72238	1035	TRACTOR-2009 JOHN DEER	1	27.44	10.00		\$274.40		
11/14/2016	72238	2532	HUFF WALTER B	1	12.06	10.00	\$120.60			
11/14/2016	72238	0933	PICKUP	1	18.07	10.00		\$180.70		
11/29/2016	72249	2531	MAYS JIMMY R	1	12.36	5.00	\$61.80			
11/29/2016	72249	1035	TRACTOR-2009 JOHN DEER	1	27.44	5.00		\$137.20		
11/29/2016	72249	2532	HUFF WALTER B	1	12.06	5.00	\$60.30			
11/29/2016	72249	0933	PICKUP	1	18.07	5.00		\$90.33		
12/7/2016	72256	2531	MAYS JIMMY R	1	12.36	5.00	\$61.80			
12/7/2016	72256	1035	TRACTOR-2009 JOHN DEER	1	27.44	5.00		\$137.20		
12/7/2016	72256	2532	HUFF WALTER B	1	12.06	5.00	\$60.30			
12/7/2016	72256	0933	PICKUP	1	18.07	5.00		\$90.33		
Road Id - 000232- BUZZARD ROCK ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										
12/14/2016	72261	2531	MAYS JIMMY R	1	12.36	2.50	\$30.90			
12/14/2016	72261	1035	TRACTOR-2009 JOHN DEER	1	27.44	2.50		\$68.60		
12/14/2016	72261	2532	HUFF WALTER B	1	12.06	2.50	\$30.15			
12/14/2016	72261	0933	PICKUP	1	18.07	2.50		\$45.18		
Road Id - 000341- CONSERVATION LAKE ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										
09/19/2016	72214	2331	MAYS JIMMY R	2	18.21	2.00	\$36.42			
09/19/2016	72214	1035	TRACTOR-MOWER	1	27.44	2.00		\$54.88		
09/19/2016	72214	0679	KELLEY DONALD R	2	32.01	2.00	\$64.02			
09/19/2016	72214	0983	PICKUP	1	14.93	2.00		\$29.86		
Road Id - 000358- COUNTRY CREEK ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										
10/23/2016	72219	2531	MAYS JIMMY R	2	18.21	2.00	\$36.42			
10/23/2016	72219	1035	TRACTOR-2009 JOHN DEER	1	27.44	2.00		\$54.88		
10/23/2016	72219	1491	NAIL JAMES	2	22.20	2.00	\$44.40			
10/23/2016	72219	0933	PICKUP	1	18.07	2.00		\$36.14		
Road Id - 000359- COUNTRY HILLS ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										

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Project Id - 28-014-180W MAINTENANCE-MOW, TREE TRIMMING										
Road Id - 000399- COUNTRY HILLS ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										
10/26/2016	72220	2131	MAYS JIMMY R	1	12.36	5.00	\$61.80			
10/26/2016	72220	1035	TRACTOR-MOWER JOHN DEER	1	27.44	5.00		\$137.20		
10/26/2016	72220	1491	NAIL JAMES	1	15.26	5.00	\$76.30			
10/26/2016	72220	0933	PICKUP	1	18.07	5.00			\$90.35	
Road Id - 000375- COX GAP ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -3										
10/11/2016	72207	2131	MAYS JIMMY R	1	12.36	3.00	\$61.80			
10/11/2016	72207	1035	TRACTOR-MOWER	1	27.44	5.00		\$137.20		
10/11/2016	72207	1491	NAIL JAMES	1	15.26	5.00	\$76.30			
10/11/2016	72207	1028	DUMP TRUCK-FLAT CREW	1	36.22	3.00			\$181.10	
Road Id - 000391- CROSBY ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										
12/21/2016	72267	2131	MAYS JIMMY R	1	12.36	3.00	\$61.80			
12/21/2016	72267	1035	TRACTOR-MOWER JOHN DEER	1	27.44	3.00		\$137.20		
12/21/2016	72267	2132	HUFF WALTER B	1	12.06	3.00	\$60.30			
12/21/2016	72267	0933	PICKUP	1	18.07	3.00			\$90.35	
Road Id - 000422- BEE NIX ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										
12/14/2016	72261	2131	MAYS JIMMY R	1	12.36	2.50	\$30.90			
12/14/2016	72261	1035	TRACTOR-MOWER JOHN DEER	1	27.44	2.50		\$68.60		
12/14/2016	72261	2132	HUFF WALTER B	1	12.06	2.50	\$30.15			
12/14/2016	72261	0933	PICKUP	1	18.07	2.50			\$45.18	
Road Id - 000440- DOGWOOD DRIVE										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										
10/19/2016	72214	2131	MAYS JIMMY R	1	12.36	3.00	\$37.08			
10/19/2016	72214	1035	TRACTOR-MOWER	1	27.44	3.00		\$82.32		
10/19/2016	72214	1491	NAIL JAMES	1	15.26	3.00	\$45.78			
10/19/2016	72214	0933	PICKUP	1	18.07	3.00			\$54.21	
10/19/2016	72214	0679	KELLEY DONALD R	1	21.96	3.00	\$65.88			
10/19/2016	72214	0983	PICKUP	1	14.93	3.00			\$44.79	
Road Id - 000457- DUCK SPRINGS ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -3										
09/13/2016	72212	2131	MAYS JIMMY R	1	12.36	5.00	\$61.80			
09/13/2016	72212	1035	TRACTOR-MOWER	1	27.44	5.00		\$137.20		
09/13/2016	72212	1491	NAIL JAMES	1	15.26	5.00	\$76.30			
09/13/2016	72212	1028	DUMP TRUCK-FLAT CREW	1	36.22	5.00			\$181.10	
09/13/2016	72212	2131	MAYS JIMMY R	2	18.21	1.00	\$18.21			
09/13/2016	72212	1035	TRACTOR-MOWER	1	27.44	1.00		\$27.44		
09/13/2016	72212	1491	NAIL JAMES	2	22.20	1.00	\$22.20			
09/13/2016	72212	1028	DUMP TRUCK-FLAT CREW	1	36.22	1.00			\$36.22	
10/18/2016	72213	2131	MAYS JIMMY R	1	12.36	3.00	\$61.80			
10/18/2016	72213	1035	TRACTOR-MOWER	1	27.44	5.00		\$137.20		
10/18/2016	72213	1491	NAIL JAMES	1	15.26	3.00	\$76.30			
10/18/2016	72213	0933	PICKUP	1	18.07	3.00			\$90.35	
10/18/2016	72213	0679	KELLEY DONALD R	1	21.96	3.00	\$109.80			
10/18/2016	72213	0983	PICKUP	1	14.93	3.00			\$74.65	
10/18/2016	72213	2131	MAYS JIMMY R	2	18.21	1.00	\$18.21			
10/18/2016	72213	1035	TRACTOR-MOWER	1	27.44	1.00		\$27.44		
10/18/2016	72213	1491	NAIL JAMES	2	22.20	1.00	\$22.20			
10/18/2016	72213	0933	PICKUP	1	18.07	1.00			\$18.07	

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Project Id - 28-014-EROW MAINTENANCE-MOW, TREE TRIMMING										
Road Id - 000457- DUCK SPRINGS ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -3										
10/19/2016	72214	2531	MAYS JIMMY R	1	12.36	3.00	\$37.08			
10/19/2016	72214	1035	TRACTOR-MOWER	1	27.44	3.00		\$82.32		
10/19/2016	72214	1491	NAIL JAMES	1	15.26	3.00	\$45.78			
10/19/2016	72214	0933	PICKUP	1	18.07	3.00			\$54.21	
10/19/2016	72214	0679	KELLEY DONALD R	1	21.96	3.00	\$65.88			
10/19/2016	72214	0983	PICKUP	1	14.93	3.00			\$44.79	
Road Id - 000538- GALLANT ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										
10/19/2016	72214	2531	MAYS JIMMY R	1	12.36	4.00	\$49.44			
10/19/2016	72214	1035	TRACTOR-MOWER	1	27.44	4.00		\$109.76		
10/19/2016	72214	1491	NAIL JAMES	1	15.26	4.00	\$61.04			
10/19/2016	72214	0933	PICKUP	1	18.07	4.00			\$72.28	
10/19/2016	72214	0679	KELLEY DONALD R	1	21.96	4.00	\$87.84			
10/19/2016	72214	0983	PICKUP	1	14.93	4.00			\$59.72	
10/20/2016	72215	2531	MAYS JIMMY R	1	12.36	2.00	\$24.72			
10/20/2016	72215	1035	TRACTOR-MOWER	1	27.44	2.00		\$54.88		
10/20/2016	72215	1491	NAIL JAMES	1	15.26	2.00	\$30.52			
10/20/2016	72215	0961	PICKUP	1	16.43	2.00			\$32.86	
10/24/2016	72218	2531	MAYS JIMMY R	1	12.36	2.00	\$24.72			
10/24/2016	72218	1035	TRACTOR-2009 JOHN DEER	1	27.44	2.00		\$54.88		
10/24/2016	72218	1491	NAIL JAMES	1	15.26	2.00	\$30.52			
10/24/2016	72218	0933	PICKUP	1	18.07	2.00			\$36.14	
10/24/2016	72218	1225	POSEY JAMES D	1	16.48	2.00	\$32.96			
10/24/2016	72218	1014	TRACTOR	1	28.74	2.00		\$57.48		
10/24/2016	72218	2523	ARMSTRONG GREG	1	13.64	2.00	\$27.28			
10/24/2016	72218	0881	TRACTOR	1	24.42	2.00		\$48.84		
10/24/2016	72218	2527	ALLEN JORDAN	1	12.36	2.00	\$24.72			
10/24/2016	72218	1003	TRUCK-PICK UP FLAT	1	24.91	2.00		\$49.82		
10/24/2016	72218	01185	ROTARY CUTTER-2013	1	21.38	2.00		\$42.76		
10/24/2016	72218	0118V	CUTTER-RIBNO 7	1	16.65	2.00		\$33.30		
10/26/2016	72220	2531	MAYS JIMMY R	1	12.36	5.00	\$61.80			
10/26/2016	72220	1035	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			
10/26/2016	72220	0933	PICKUP	1	18.07	5.00			\$90.35	
10/27/2016	72221	2531	MAYS JIMMY R	1	12.36	5.00	\$61.80			
10/27/2016	72221	1035	TRACTOR-2009 JOHN DEER	1	27.44	5.00		\$137.20		
10/27/2016	72221	1491	NAIL JAMES	1	15.26	5.00	\$76.30			
10/27/2016	72221	0933	PICKUP	1	18.07	5.00			\$90.35	
Road Id - 000564- GILLILAND ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										
12/19/2016	72265	2531	MAYS JIMMY R	1	12.36	3.00	\$37.08			
12/19/2016	72265	1035	TRACTOR-2009 JOHN DEER	1	27.44	3.00		\$82.32		
12/19/2016	72265	2532	HUFF WALTER B	1	12.06	3.00	\$36.18			
12/19/2016	72265	0933	PICKUP	1	18.07	3.00			\$54.21	
12/19/2016	72265	1524	KUBI RICHARD A	1	21.89	3.00	\$65.67			
12/19/2016	72265	1005	PICKUP-2012 FORD F150	1	18.59	3.00			\$55.77	
12/20/2016	72266	2531	MAYS JIMMY R	1	12.36	5.00	\$61.80			
12/20/2016	72266	1035	TRACTOR-2009 JOHN DEER	1	27.44	5.00		\$137.20		
12/20/2016	72266	2532	HUFF WALTER B	1	12.06	5.00	\$60.30			
12/20/2016	72266	0933	PICKUP	1	18.07	5.00			\$90.35	
12/21/2016	72267	2531	MAYS JIMMY R	1	12.36	3.00	\$37.08			
12/21/2016	72267	1035	TRACTOR-2009 JOHN DEER	1	27.44	3.00		\$82.32		
12/21/2016	72267	2532	HUFF WALTER B	1	12.06	3.00	\$36.18			

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Date	District	M	Description	Rate Id	Rate	Units	Emp Cost	Eqs Cost	Mat Cost	Con Cost
Project Id - 28-014-BROW MAINTENANCE-MOW, TREE TRIMMING										
Road Id - 000564- GELBLAND ROAD										
Activity Id 402 Brush & Tree Clearing										
Road District -4										
12/21/2016	72267	0903	PICKUP	1	18.07	5.00		\$90.35		
Road Id - 000720- HUTCHENS ROAD										
Activity Id 402 Brush & Tree Clearing										
Road District -4										
10/20/2016	72215	2131	MAYS JIMMY R	1	12.36	2.00	\$24.72			
10/20/2016	72215	1035	TRACTOR-MOWER	1	27.44	2.00		\$54.88		
10/20/2016	72215	1491	NAIL JAMES	1	15.26	2.00	\$30.52			
10/20/2016	72215	0961	PICKUP	1	16.43	2.00		\$32.86		
Road Id - 000748- JACKSON TRAIL										
Activity Id 402 Brush & Tree Clearing										
Road District -4										
11/7/2016	72233	2131	MAYS JIMMY R	1	12.36	3.00	\$61.80			
11/7/2016	72233	1035	TRACTOR-2009 JOHN DEER	1	27.44	3.00		\$137.20		
11/7/2016	72233	2532	HUFF WALTER B	1	12.06	3.00	\$60.30			
11/7/2016	72233	0915	PICKUP	1	18.07	3.00		\$90.35		
11/8/2016	72234	2131	MAYS JIMMY R	1	12.36	10.00	\$123.60			
11/8/2016	72234	1035	TRACTOR-2009 JOHN DEER	1	27.44	10.00		\$274.40		
11/8/2016	72234	2532	HUFF WALTER B	1	12.06	10.00	\$120.60			
11/8/2016	72234	0913	PICKUP	1	18.07	10.00		\$180.70		
Road Id - 000775- JOHN L SMITH ROAD										
Activity Id 402 Brush & Tree Clearing										
Road District -4										
11/9/2016	72235	2531	MAYS JIMMY R	1	12.36	2.50	\$30.90			
11/9/2016	72235	1035	TRACTOR-2009 JOHN DEER	1	27.44	2.50		\$68.60		
11/9/2016	72235	2532	HUFF WALTER B	1	12.06	2.50	\$30.15			
11/9/2016	72235	0913	PICKUP	1	18.07	2.50		\$45.18		
Road Id - 000965- LITTLE COVE ROAD										
Activity Id 402 Brush & Tree Clearing										
Road District -4										
2/14/2017	72309	2532	HUFF WALTER B	1	12.06	5.00	\$60.30			
2/14/2017	72309	1035	TRACTOR-2009 JOHN DEER	1	27.44	5.00		\$137.20		
Road Id - 000968- LITTLE WILLS VALLEY ROAD										
Activity Id 402 Brush & Tree Clearing										
Road District -2										
1/17/2017	72286	0927	BRYANT JERRY A	1	20.73	3.00	\$62.19			
1/17/2017	72286	0997	DUMP TRUCK-2008	1	49.36	3.00		\$148.08		
1/17/2017	72286	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			
1/17/2017	72286	0981	PICKUP	1	18.86	3.00		\$56.58		
1/17/2017	72286	1809	PERKINS ROGER L	1	14.45	3.00	\$43.35			
1/17/2017	72286	1065	DUMP TRUCK-2016 MACK	1	104.81	3.00		\$314.43		
Road Id - 000955- MCCLAIN AVENUE										
Activity Id 402 Brush & Tree Clearing										
Road District -2										
09/26/2016	72220	0927	BRYANT JERRY A	1	20.73	5.00	\$103.65			
09/26/2016	72220	0997	DUMP TRUCK-2008	1	47.19	5.00		\$235.95		
09/26/2016	72220	1042	BACKHOE-2015 CAT 430F	1	61.73	5.00		\$308.65		
09/26/2016	72220	1468	BRUTTON CLAUDE C	1	13.80	5.00	\$69.00			
09/26/2016	72220	1064	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
09/26/2016	72220	1809	PERKINS ROGER L	1	14.45	5.00	\$72.25			
09/26/2016	72220	1065	DUMP TRUCK-2016 MACK	1	104.81	5.00		\$524.05		
Road Id - 002081- NICHOLS ROAD										
Activity Id 402 Brush & Tree Clearing										
Road District -4										
11/3/2016	72230	2131	MAYS JIMMY R	1	12.36	3.00	\$61.80			

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Project Id - 28414-BROW MAINTENANCE-MOW, TREE TRIMMING										
Road Id - 002081- NICHOLS ROAD										
Activity Id -402 Brush & Tree Clearing										
Road District -4										
11/3/2016	72230	1035	TRACTOR-2009 JOHN DEER	1	27.44	5.00		\$137.20		
11/3/2016	72230	2532	HUFF WALTER B	1	12.06	5.00	\$60.30			
11/3/2016	72230	0933	PICKUP	1	18.07	5.00		\$90.35		
12/14/2016	72261	2531	MAYS JIMMY R	1	12.36	2.50	\$30.90			
12/14/2016	72261	1035	TRACTOR-2009 JOHN DEER	1	27.44	2.50		\$68.60		
12/14/2016	72261	2532	HUFF WALTER B	1	12.06	2.50	\$30.15			
12/14/2016	72261	0933	PICKUP	1	18.07	2.50		\$45.18		
Road Id - 002120- OLD GALLANT ROAD										
Activity Id -402 Brush & Tree Clearing										
Road District -4										
10/25/2016	72219	2531	MAYS JIMMY R	1	12.36	5.00	\$61.80			
10/25/2016	72219	1035	TRACTOR-2009 JOHN DEER	1	27.44	5.00		\$137.20		
10/25/2016	72219	1491	NAIL JAMES	1	15.26	5.00	\$76.30			
10/25/2016	72219	0933	PICKUP	1	18.07	5.00		\$90.35		
10/27/2016	72221	2531	MAYS JIMMY R	1	12.36	5.00	\$61.80			
10/27/2016	72221	1035	TRACTOR-2009 JOHN DEER	1	27.44	5.00		\$137.20		
10/27/2016	72221	1491	NAIL JAMES	1	15.26	5.00	\$76.30			
10/27/2016	72221	0933	PICKUP	1	18.07	5.00		\$90.35		
11/1/2016	72228	2531	MAYS JIMMY R	1	12.36	5.00	\$61.80			
11/1/2016	72228	1035	TRACTOR-2009 JOHN DEER	1	27.44	5.00		\$137.20		
11/1/2016	72228	2532	HUFF WALTER B	1	12.06	5.00	\$60.30			
11/1/2016	72228	0933	PICKUP	1	18.07	5.00		\$90.35		
Road Id - 002149- OWLS HOLLOW ROAD										
Activity Id -402 Brush & Tree Clearing										
Road District -2										
12/08/2016	72266	2536	CARROLL MARCUS	1	13.64	3.00	\$40.92			
12/08/2016	72266	8997	DUMP TRUCK-2008	1	47.19	3.00		\$141.57		
12/08/2016	72266	1041	BACKHOE-2015 CAT 40W	1	61.73	3.00		\$185.19		
12/08/2016	72266	1809	PERKINS ROGER L	1	14.45	3.00	\$43.35			
12/08/2016	72266	1065	DUMP TRUCK-2010 MACK	1	104.81	3.00		\$314.43		
12/08/2016	72266	2515	STOWERS SHEA	1	15.99	3.00	\$46.77			
12/08/2016	72266	0882	DUMP TRUCK-FLAT BED	1	61.36	3.00		\$189.08		
Road Id - 002176- PAYNE ROAD										
Activity Id -402 Brush & Tree Clearing										
Road District -4										
12/19/2016	72265	2531	MAYS JIMMY R	1	12.36	3.00	\$37.08			
12/19/2016	72265	1035	TRACTOR-2009 JOHN DEER	1	27.44	3.00		\$82.32		
12/19/2016	72265	2532	HUFF WALTER B	1	12.06	3.00	\$36.18			
12/19/2016	72265	0933	PICKUP	1	18.07	3.00		\$54.21		
12/19/2016	72265	1524	KUHN RICHARD A	1	21.89	3.00	\$65.67			
12/19/2016	72265	1215	PICKUP-2012 FORD F150	1	18.59	3.00		\$55.77		
12/20/2016	72266	2532	HUFF WALTER B	1	12.06	5.00	\$60.30			
12/20/2016	72266	0933	PICKUP	1	18.07	5.00		\$90.35		
12/20/2016	72266	2531	MAYS JIMMY R	1	12.36	5.00	\$61.80			
12/20/2016	72266	1035	TRACTOR-2009 JOHN DEER	1	27.44	5.00		\$137.20		
Road Id - 002208- RANDALL ROAD										
Activity Id -402 Brush & Tree Clearing										
Road District -4										
10/25/2016	72219	2531	MAYS JIMMY R	1	12.36	5.00	\$61.80			
10/25/2016	72219	1035	TRACTOR-2009 JOHN DEER	1	27.44	5.00		\$137.20		
10/25/2016	72219	1491	NAIL JAMES	1	15.26	5.00	\$76.30			
10/25/2016	72219	0933	PICKUP	1	18.07	5.00		\$90.35		
Road Id - 002312- RAYFORD ROAD										
Activity Id -402 Brush & Tree Clearing										
Road District -4										

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Project Id - 28-014-BROW MAINTENANCE-MOW, TREE TRIMMING										
Road Id - 002312- RAYFORD ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										
11/7/2016	72233	2531	MAYS JIMMY R	1	12.36	5.00	\$61.80			
11/7/2016	72233	1035	TRACTOR--2009 JOHN DEER	1	27.44	5.00		\$137.20		
11/7/2016	72233	2532	HUFF WALTER B	1	12.06	5.00	\$60.30			
11/7/2016	72233	0805	PICKUP	1	18.07	5.00			\$90.35	
Road Id - 002383- ROCK BRIDGE ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										
10/20/2016	72215	2531	MAYS JIMMY R	1	12.36	2.00	\$24.72			
10/20/2016	72215	1035	TRACTOR--MOWER	1	27.44	2.00		\$54.88		
10/20/2016	72215	1491	NAIL JAMES	1	15.26	2.00	\$30.52			
10/20/2016	72215	0861	PICKUP	1	16.43	2.00			\$32.86	
Road Id - 002435- SAMUELS CHAPEL ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										
12/15/2016	72262	2531	MAYS JIMMY R	1	12.36	10.00	\$123.60			
12/15/2016	72262	1035	TRACTOR--2009 JOHN DEER	1	27.44	10.00		\$274.40		
12/15/2016	72262	2532	HUFF WALTER B	1	12.06	10.00	\$120.60			
12/15/2016	72262	0933	PICKUP	1	18.07	10.00			\$180.70	
12/19/2016	72265	2531	MAYS JIMMY R	1	12.36	4.00	\$49.44			
12/19/2016	72265	1035	TRACTOR--2009 JOHN DEER	1	27.44	4.00		\$109.76		
12/19/2016	72265	2532	HUFF WALTER B	1	12.06	4.00	\$48.24			
12/19/2016	72265	0933	PICKUP	1	18.07	4.00			\$72.28	
12/19/2016	72265	1524	KUBEN RICHARD A	1	21.89	4.00	\$87.56			
12/19/2016	72265	1015	PICKUP--2012 FORD F150	1	18.99	4.00			\$76.36	
Road Id - 002437- SAND VALLEY ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -3										
10/11/2016	72207	2531	MAYS JIMMY R	1	12.36	5.00	\$61.80			
10/11/2016	72207	1035	TRACTOR--MOWER	1	27.44	5.00		\$137.20		
10/11/2016	72207	1491	NAIL JAMES	1	15.26	5.00	\$76.30			
10/11/2016	72207	1028	DUMP TRUCK--FLAT CREW	1	36.22	5.00		\$181.10		
10/12/2016	72208	2531	MAYS JIMMY R	1	12.36	12.00	\$148.32			
10/12/2016	72208	1035	TRACTOR--MOWER	1	27.44	12.00		\$329.28		
10/12/2016	72208	1491	NAIL JAMES	1	15.26	12.00	\$183.12			
10/12/2016	72208	1028	DUMP TRUCK--FLAT CREW	1	36.22	12.00		\$434.64		
10/13/2016	72209	1491	NAIL JAMES	1	15.26	4.00	\$61.04			
10/13/2016	72209	1028	DUMP TRUCK--FLAT CREW	1	36.22	4.00		\$144.88		
10/13/2016	72209	1491	NAIL JAMES	2	23.20	2.00	\$44.40			
10/13/2016	72209	1028	DUMP TRUCK--FLAT CREW	1	36.22	2.00		\$72.44		
10/13/2016	72209	2531	MAYS JIMMY R	2	18.21	2.00	\$36.42			
10/13/2016	72209	1035	TRACTOR--MOWER	1	27.44	2.00		\$54.88		
10/13/2016	72209	2531	MAYS JIMMY R	1	12.36	4.00	\$49.44			
10/13/2016	72209	1035	TRACTOR--MOWER	1	27.44	4.00		\$109.76		
Road Id - 002574- STEPHENS GAP ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -2										
09/17/2016	72212	2531	MAYS JIMMY R	2	18.21	1.00	\$18.21			
09/17/2016	72212	1035	TRACTOR--MOWER	1	27.44	1.00		\$27.44		
09/17/2016	72212	1491	NAIL JAMES	2	22.20	1.00	\$22.20			
09/17/2016	72212	1028	DUMP TRUCK--FLAT CREW	1	36.22	1.00		\$36.22		
09/17/2016	72212	2531	MAYS JIMMY R	1	12.36	5.00	\$61.80			
09/17/2016	72212	1035	TRACTOR--MOWER	1	27.44	5.00		\$137.20		
09/17/2016	72212	1491	NAIL JAMES	1	15.26	5.00	\$76.30			
09/17/2016	72212	1028	DUMP TRUCK--FLAT CREW	1	36.22	5.00		\$181.10		
Road Id - 002587- SUMATANGA ROAD										

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Project Id - 28-014-ETOW MAINTENANCE-MOW, TREE TRIMMING										
Road Id - 002587- SUMATANGA ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										
10/28/2016	T2215	2531	MAYS JIMMY R	1	12.36	2.00	\$24.72			
10/28/2016	T2215	1035	TRACTOR-MOWER	1	27.44	2.00		\$54.88		
10/28/2016	T2215	1491	NAL, JAMES	1	15.26	2.00	\$30.52			
10/28/2016	T2215	0901	PICKUP	1	16.43	2.00		\$32.86		
Road Id - 002649- TUMBLING GAP ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										
11/1/2016	T2228	2531	MAYS JIMMY R	2	18.21	2.00	\$36.42			
11/1/2016	T2228	1035	TRACTOR-2009 JOHN DEER	1	27.44	2.00		\$54.88		
11/1/2016	T2228	2532	HUFF WALTER B	2	17.77	2.00	\$35.54			
11/1/2016	T2228	0903	PICKUP	1	18.07	2.00		\$36.14		
11/2/2016	T2229	2531	MAYS JIMMY R	1	12.36	10.00	\$123.60			
11/2/2016	T2229	1035	TRACTOR-2009 JOHN DEER	1	27.44	10.00		\$274.40		
11/2/2016	T2229	2532	HUFF WALTER B	1	12.06	10.00	\$120.60			
11/2/2016	T2229	0903	PICKUP	1	18.07	10.00		\$180.70		
11/2/2016	T2229	2531	MAYS JIMMY R	2	18.21	2.00	\$36.42			
11/2/2016	T2229	1035	TRACTOR-2009 JOHN DEER	1	27.44	2.00		\$54.88		
11/2/2016	T2229	2532	HUFF WALTER B	2	17.77	2.00	\$35.54			
11/2/2016	T2229	0903	PICKUP	1	18.07	2.00		\$36.14		
2/6/2017	T2302	2516	SHELTON WILLIAM J	1	13.13	10.00	\$131.30			
2/6/2017	T2302	1857	PICKUP-2012 FORD F150	1	18.86	10.00		\$188.60		
2/6/2017	T2302	2523	SEARS MARQUETTE	1	12.37	10.00	\$123.70			
2/6/2017	T2302	1870	TRUCK-2010	1	45.82	10.00		\$458.20		
Road Id - 002651- TURKEY TOWN GAP ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -2										
12/20/2016	T2266	2526	CARROLL MARCUS	1	13.64	2.00	\$27.28			
12/20/2016	T2266	0997	DUMP TRUCK-2008	1	47.15	2.00		\$94.38		
12/20/2016	T2266	1041	BACKHOE-2015 CAT 430F	1	61.71	2.00		\$123.48		
12/20/2016	T2266	1809	PERKINS ROGER L	1	14.41	2.00	\$28.90			
12/20/2016	T2266	1065	DUMP TRUCK-2016 MACK	1	104.81	2.00		\$209.62		
12/20/2016	T2266	2515	STOWERS SHEA	1	15.59	2.00	\$31.18			
12/20/2016	T2266	0882	DUMP TRUCK-FLAT BED	1	43.36	2.00		\$86.72		
Road Id - 002725- WARREN VALLEY ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										
12/3/2016	T2230	2531	MAYS JIMMY R	1	12.36	5.00	\$61.80			
12/3/2016	T2230	1035	TRACTOR-2009 JOHN DEER	1	27.44	5.00		\$137.20		
12/3/2016	T2230	2532	HUFF WALTER B	1	12.06	5.00	\$60.30			
12/3/2016	T2230	0903	PICKUP	1	18.07	5.00		\$90.35		
12/13/2016	T2260	2531	MAYS JIMMY R	1	12.36	10.00	\$123.60			
12/13/2016	T2260	1035	TRACTOR-2009 JOHN DEER	1	27.44	10.00		\$274.40		
12/13/2016	T2260	2532	HUFF WALTER B	1	12.06	10.00	\$120.60			
12/13/2016	T2260	0903	PICKUP	1	18.07	10.00		\$180.70		
12/14/2016	T2261	2531	MAYS JIMMY R	1	12.36	2.50	\$30.90			
12/14/2016	T2261	1035	TRACTOR-2009 JOHN DEER	1	27.44	2.50		\$68.60		
12/14/2016	T2261	2532	HUFF WALTER B	1	12.06	2.50	\$30.15			
12/14/2016	T2261	0903	PICKUP	1	18.07	2.50		\$45.18		
Road Id - 002727- WASHBURN CIRCLE										
Activity Id - 402 Brush & Tree Clearing										
Road District -4										
10/16/2016	T2226	2531	MAYS JIMMY R	1	12.36	2.00	\$24.72			
10/16/2016	T2226	1035	TRACTOR-2009 JOHN DEER	1	27.44	2.00		\$54.88		
10/16/2016	T2226	2532	HUFF WALTER B	1	12.06	2.00	\$24.12			
10/16/2016	T2226	0903	PICKUP	1	18.07	2.00		\$36.14		

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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id - 28-014-TRHW MAINTENANCE-MOW, TREE TRIMMING										
Road Id - 002727- WASHBURN CIRCLE										
Activity Id - 402 Brush & Tree Clearing										
Road District - 4										
10/31/2016	72226	1225	POSEY JAMES D	1	16.48	2.00	\$32.96			
10/31/2016	72226	2014	TRACTOR	1	28.74	2.00		\$57.48		
10/31/2016	72226	01185	ROTARY CUTTER-2013	1	21.38	2.00		\$42.76		
10/31/2016	72226	2525	ARMSTRONG GR30	1	13.64	2.00	\$27.28			
10/31/2016	72226	0881	TRACTOR	1	24.42	2.00		\$48.84		
10/31/2016	72226	0018V	CUTTER-RHINO T	1	16.65	2.00		\$33.30		
10/31/2016	72226	2527	ALLEN JORDAN	1	12.36	2.00	\$24.72			
10/31/2016	72226	1003	TRUCK-PICK UP FLAT	1	34.91	2.00		\$69.82		
Road Id - 002834- GREEN VALLEY ROAD										
Activity Id - 402 Brush & Tree Clearing										
Road District - 1										
10/26/2016	72220	1513	ASH OSCAR	1	17.71	2.00	\$35.42			
10/26/2016	72220	1057	PICKUP-2012 FORD F150	1	18.99	2.00		\$37.18		
10/26/2016	72220	2516	SHELTON WILLIAM J	1	15.13	2.00	\$30.26			
10/26/2016	72220	1870	TRUCK-2010	1	47.63	2.00		\$95.26		
10/26/2016	72220	1530	GUTHERY THOMAS	1	16.01	4.00	\$64.04			
10/26/2016	72220	1829	DUMP TRUCK-2006	1	46.35	4.00		\$185.40		
10/26/2016	72220	2513	STOWERS SHEA	1	15.99	4.00	\$62.36			
11/2/2016	72229	1513	ASH OSCAR	1	17.71	10.00	\$177.10			
11/2/2016	72229	1057	PICKUP-2012 FORD F150	1	18.99	10.00	\$189.90			
11/2/2016	72229	2516	SHELTON WILLIAM J	1	15.13	10.00	\$151.30			
11/2/2016	72229	1870	TRUCK-2010	1	47.63	10.00	\$476.30			
11/2/2016	72229	2905	GIPSON ADAM	1	12.73	10.00	\$127.30			
11/2/2016	72229	0816	PICKUP	1	13.79	10.00	\$137.90			
11/2/2016	72229	2513	STOWERS SHEA	1	15.99	10.00	\$159.90			
11/2/2016	72229	0882	DUMP TRUCK-FLAT BED	1	43.36	10.00	\$433.60			
11/2/2016	72229	1530	GUTHERY THOMAS	1	16.01	10.00	\$160.10			
11/3/2016	72230	1513	ASH OSCAR	1	17.71	10.00	\$177.10			
11/3/2016	72230	1057	PICKUP-2012 FORD F150	1	18.99	10.00	\$189.90			
11/3/2016	72230	2516	SHELTON WILLIAM J	1	15.13	10.00	\$151.30			
11/3/2016	72230	1870	TRUCK-2010	1	47.63	10.00	\$476.30			
11/3/2016	72230	2905	GIPSON ADAM	1	12.73	10.00	\$127.30			
11/3/2016	72230	0816	PICKUP	1	13.79	10.00	\$137.90			
11/3/2016	72230	1530	GUTHERY THOMAS	1	16.01	10.00	\$160.10			
11/3/2016	72230	0882	DUMP TRUCK-FLAT BED	1	43.36	10.00	\$433.60			
Road Id - 002835- MOUNTAIN VIEW CHURCH RD										
Activity Id - 402 Brush & Tree Clearing										
Road District - 4										
11/9/2016	72235	2531	MAYS JIMMY R	1	12.36	2.50	\$30.90			
11/9/2016	72235	1035	TRACTOR-2009 JOHN DEER	1	27.44	2.50		\$68.60		
11/9/2016	72235	2532	HUFF WALTER B	1	12.06	2.50	\$30.15			
11/9/2016	72235	0933	PICKUP	1	18.07	2.50		\$45.18		
Road Id - 003049- GALLANT COVE										
Activity Id - 402 Brush & Tree Clearing										
Road District - 4										
10/26/2016	72220	2531	MAYS JIMMY R	2	18.21	2.00	\$36.42			
10/26/2016	72220	1035	TRACTOR-2009 JOHN DEER	1	27.44	2.00		\$54.88		
10/26/2016	72220	1491	HAIL JAMES	2	22.20	2.00	\$44.40			
10/26/2016	72220	0933	PICKUP	1	18.07	2.00		\$36.14		
Road Id - 004014- W M BLACKWELL TRAIL										
Activity Id - 402 Brush & Tree Clearing										
Road District - 3										
11/28/2016	72248	2532	HUFF WALTER B	1	12.06	8.00	\$96.48			
11/28/2016	72248	1035	TRACTOR-2009 JOHN DEER	1	27.44	8.00		\$219.52		
11/28/2016	72248	2531	MAYS JIMMY R	1	12.36	8.00	\$98.88			

Etowah County Road Department
Job Cost Selective Report
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Date	DJ Id	Id	Description	Rate Id	Rate	Units	Emp Cost	Eqa Cost	Mat Cost	Con Cost
Project Id -28-014-EROW MAINTENANCE-MOW, TREE TRIMMING										
Road Id - 004014- WM BLACKWELL TRAIL										
Activity Id -402 Brush & Tree Clearing										
Road District -3										
11/28/2016	72248	0913	PICKUP	1	18.07	8.00		\$144.56		
11/29/2016	72249	2531	MAYS JIMMY R	1	12.56	5.00	\$61.80			
11/29/2016	72249	1035	TRACTOR-2009 JOHN DEER	1	27.44	5.00		\$137.20		
11/29/2016	72249	2532	HUFF WALTER B	1	12.06	5.00	\$60.30			
11/29/2016	72249	0913	PICKUP	1	18.07	5.00		\$90.35		
Project Cost by Category							\$11,362.48	\$22,903.99	\$0.00	\$0.00
Total Project Cost							\$34,266.47			

Project Id -28-015-DRIVEWAY PIPE INSTALLATION										
Road Id - 001051- MAYO ROAD SOUTH										
Activity Id -402 Brush & Tree Clearing										
Road District -4										
6/20/2016	72108	2527	ALLEN JORDAN	1	12.10	2.50	\$30.25			
6/20/2016	72108	1043	BACKHOE	1	67.34	2.50		\$168.35		
6/20/2016	72108	2529	SWORDS NICOLAS	1	13.36	2.50	\$33.40			
6/20/2016	72108	1000	TRAILER-UTILITY	1	11.58	2.50		\$28.95		
6/20/2016	72108	1001	DUMP TRUCK-FLATBED	1	54.34	2.50		\$135.85		
6/20/2016	72108	2512	SHEELER DAVID	1	12.43	2.50	\$31.08			
6/20/2016	72108	1011	DUMP TRUCK	1	88.96	2.50		\$222.40		
6/20/2016	72108	0679	KELLEY DONALD R	1	23.49	2.50	\$53.73			
6/20/2016	72108	0983	PICKUP	1	15.75	2.50		\$39.38		
Project Cost by Category							\$148.46	\$594.93	\$0.00	\$0.00
Total Project Cost							\$743.39			