

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION'S ANNUAL REPORT FOR 2017

**REGARDING UNITED STATES OF AMERICA VS. MISSOURI HIGHWAYS AND TRANSPORTATION
COMMISSION**

REPORT FOR JANUARY 1, 2017, THROUGH DECEMBER 31, 2017

MARCH 30, 2018

Missouri Highways and Transportation Commission's 2017 Annual Report
Report for January 1, 2017, through December 31, 2017
United States of America vs. Missouri Highways and Transportation Commission
Consent Decree

TABLE OF CONTENTS

1.0	Introduction	1
2.0	Stormwater Compliance and Environmental Specialist	1
3.0	Stormwater Compliance and Environmental Specialist Delegate	1
4.0	Designation of Stormwater Resident Engineers	1
5.0	Designation of Environmental Construction Inspectors	2
6.0	Stormwater Training	2
7.0	Water Pollution Control Managers (WPCM)	2
8.0	SWPPP Requirements and Reviews	3
9.0	Stormwater Preconstruction Conference	3
10.0	Inspection Compliance	3
11.0	Inspection Protocol	3
12.0	Oversight Inspection in Environmentally Sensitive Areas	3
13.0	Stormwater Compliance Database	4
14.0	Permits	4
15.0	Major Storm Events of 2017	4
16.0	Non-Compliance Occurrences for 2017	4-5
17.0	Certification Statement	5

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Appendices

Appendix A – Stormwater Compliance and Environmental Specialist Job Description
Appendix B – Stormwater Compliance and Environmental Specialist Certification
Appendix C – Stormwater Compliance and Environmental Specialist Change Order Authority
Appendix D – Designation of Stormwater Resident Engineers
Appendix E – Designation of Environmental Construction Inspectors
Appendix F – Training Summary
Appendix G – Training Certification MoDOT
Appendix H – Training Certification WPCM
Appendix I – Training Certification Program
Appendix J – Recertification Training Summary
Appendix K – Recertification Training Certification MoDOT
Appendix L – Recertification Training Certification WPCM
Appendix M - Recertification Training Program
Appendix N –Designation of Water Pollution Control Managers
Appendix O – Project Specific SWPPP Example
Appendix P – Stormwater Preconstruction Conference Example Form
Appendix Q – Inspection Form from Stormwater Database
Appendix R – Inspection Protocol
Appendix S – Notification of Inspection Protocol to Certified Individuals
Appendix T - Non-Compliance Occurrences for 2017

1.0 Introduction

The Consent Decree between the United States of America and Missouri Highways and Transportation Commission (MHTC) operating by and through the Missouri Department of Transportation (MoDOT), states that an annual report shall be submitted to the Environmental Protection Agency (EPA) by March 30 of each year for civil action number 15-4069. Measures MoDOT has taken throughout the 2017 calendar year to comply with Section V, Paragraphs 13 through 34, of the Consent Decree are described in detail for this report.

2.0 Stormwater Compliance and Environmental Specialist

In accordance with Section V, paragraph 13, Mr. Brian Williams meets all of the requirements (Appendix A) of the Stormwater Compliance and Environmental Specialist and was designated as such on September 15, 2016. Mr. Williams received certification through MoDOT's Stormwater training developed from Appendix A of the Consent Decree, and he obtained his certification as a Certified Professional in Erosion and Sediment Control (CPESC) from EnviroCert International, Inc. on May 19, 2017 (Appendix B). As the central office point of contact, Mr. Williams provides support to MoDOT district staff on issues related to the erosion and sediment control and the consent decree. Mr. Williams is responsible for all the formal training and reviews all the deficiencies within the stormwater compliance database, as required. Mr. Williams is responsible for reviewing all stormwater deficiencies every 14 days that are not corrected within 7 days. Mr. Williams supervises the oversight inspection process, and he has the authority to order the taking of measures up to \$100,000 in cost to ensure cessation, correction, prevention or minimization of the consequences of non-compliance with Stormwater Requirements and the Consent Decree (Appendix C).

3.0 Stormwater Compliance and Environmental Specialist Delegate

In accordance with Section V, paragraph 14, MoDOT has the following employees who are qualified to function as the Stormwater Compliance and Environmental Specialist:

Mr. Michael Meyerhoff, P.E., CPESC – Field Materials Engineer; and

Mr. Randy Swanigan, CPESC – Senior Roadside Management Specialist

During 2017, Mr. Williams never delegated responsibilities of the Stormwater Compliance and Environmental Specialist to either of the delegates.

4.0 Designation of Stormwater Resident Engineers

In accordance with Section V, paragraph 15 and 16, in 2017, MoDOT designated Stormwater Resident Engineers and their respective delegates based on each project's geographic region during the project development process. The list of Consent Decree Projects, designated Stormwater Resident Engineers, and their delegates for 2017 can be found in Appendix D.

5.0 Designation of Environmental Construction Inspectors

In accordance with Section V, paragraph 17 and 18, MoDOT has designated Environmental Construction Inspectors and their respective delegates. Environmental Construction Inspectors and their delegates are designated after the construction projects are awarded by the MHTC, and before any construction activities begin. The list of projects, Environmental Construction Inspectors, and their delegates for 2017 is documented in Appendix E.

6.0 Stormwater Training

In accordance with Section V, paragraphs 19 through 21, MoDOT has continued the Stormwater Training Program, meeting all of the requirements of the Consent Decree as detailed by MoDOT's submittal to the EPA on August 18, 2015. Sixteen (16) separate formal stormwater training opportunities were offered in 2017. The summary of stormwater trainings can be found in Appendix F. From January 12, 2017, through October 4, 2017, 104 MoDOT employees attended stormwater training, and 143 Contractors and Water Pollution Control Managers (WPCM) attended stormwater training. This brings the total of MoDOT employees trained for the duration of the Consent Decree to 1,277 and Contractors and WPCM's to 696. Appendices G and H provide listings of individuals who were certified in 2017. MoDOT continued to provide training consistent with the training classes held in 2015 and 2016 that included all elements outlined in the Consent Decree in accordance with Section V, Paragraph 22 (Appendix I). Training records for employees and contractors are retained by the Stormwater Compliance and Environmental Specialist in accordance with Section V, Paragraph 23, and are available upon request.

Section V, paragraphs 20 and 21, require stormwater training to be completed by MoDOT and its Contractors once every other year. The summary of recertification trainings can be found in Appendix J. In 2017, nine (9) recertification training opportunities were held statewide for those trained in 2015. The total number of MoDOT employees recertified in 2017 was 874, and 217 Contractors and WPCMs were recertified. Appendices K and L provide listings of individuals who were recertified in 2017. MoDOT's reduction in recertification training numbers can be attributed to employee turnover and attrition since training began. The reduction in Contractor's recertification can be attributed to a conscious decision by the contracting community to maximize their resources by training only essential staff members. In 2015, Contractors were sending as many as 30 employees to the stormwater training. MoDOT's reduced construction program over the last two years has minimized the need for such a large number of Contractors to be trained. Appendix M includes the training material covered at each of the trainings in accordance with Section V, Paragraph 22.

7.0 Water Pollution Control Managers (WPCM)

In accordance with Section V, Paragraph 24, WPCMs have been designated and are fulfilling all required duties outlined in the Consent Decree. WPCMs added since the 2016 report submitted in March of 2017 are listed in Appendix N.

8.0 SWPPP Requirements and Reviews

In accordance with Section V, Paragraphs 25 and 26, a project-specific Stormwater Pollution Prevention Plan (SWPPP) form was developed in 2015 to meet the requirements of the Consent Decree. This form is available electronically in MoDOT's Storm Water Pollution Prevention Plan (SWPPP) located in MoDOT's online Engineering Policy Guide (EPG), Article 806.8. Project specific SWPPPs are evaluated at the Erosion Control Preconstruction meeting and signed by the Stormwater Resident Engineer and the Water Pollution Control Manager (WPCM). Project specific SWPPPs are available upon request because of the size of these documents, some hundreds of pages in length. An example of a project specific SWPPP used for a Consent Decree project in 2017 is provided in Appendix O.

9.0 Stormwater Preconstruction Conference

In accordance with Section V, Paragraph 27, MoDOT has held Stormwater Preconstruction Conference meetings for all Consent Decree Projects on site with all required individuals present and meeting notes have been retained. MoDOT has embraced the use of the Stormwater Preconstruction Conference Form created in 2015 and amended in 2016. This form allows MoDOT field staff to capture all the required information to be added to the online Stormwater Database as well as serves as the document for the required meeting notes. This form continues to be available electronically in MoDOT's SWPPP located in MoDOT's online (EPG) Article 806.8 as well as MoDOT's Land Disturbance Page at www.MoDOT.org/LD. Appendix P provides an example of the new form used to document the summary of the on-site conference for every Consent Decree project.

10.0 Inspection Compliance

In accordance with Section V, Paragraphs 28, 29, 30 and 31, the inspection sheet provided by the EPA within the Consent Decree (Appendix Q) has been used as the standard form within MoDOT's stormwater database. Inspections are being conducted as outlined in MoDOT's NPDES stormwater permit, SWPPP, and Inspection Protocol.

11.0 Inspection Protocol

In accordance with Section V, Paragraph 29 and 30, MoDOT has developed and maintained the Inspection Protocol (Appendix R) outlining inspection and documentation requirements. The Inspection Protocol is compliant with the terms of the National Pollution Discharge Elimination System (NPDES) and the Consent Decree. The inspection protocol is discussed at every Consent Decree training opportunity, outlining what is included in the protocol as well as where it is located on MoDOT's Land Disturbance Page at www.MoDOT.org/LD. No changes were made to the Inspection Protocol in 2017.

12.0 Oversight Inspection in Environmentally Sensitive Areas

In accordance with Section V, Paragraph 31, MoDOT finalized the environmentally sensitive project discussed in the 2016 Annual Report located in Perry County on Route AC; project number J9P3093, contract ID 160520-H03. This project met the requirements of Final Stabilization on August 10, 2017. No additional environmentally sensitive projects were constructed in 2017.

13.0 Stormwater Compliance Database

In accordance with Section V, Paragraph 32, MoDOT has maintained its online stormwater compliance database that went online November 17, 2015.

Projects are automatically pulled into the Stormwater Database from MoDOT's construction tracking software, SiteManager, when projects with more than one acre of disturbed ground are authorized. MoDOT has set procedures in place to designate any project with the potential to disturb at least 0.75 of an acre of ground to be entered in the database in anticipation of construction operations that may exceed the one-acre threshold. For any project brought into the database, an Erosion Control Inspector and Water Pollution Control Manager are designated, and a Stormwater Erosion Control Preconstruction Conference is held in the event the project does exceed the one-acre limit. Any project that did not break the one-acre threshold and was not part of the consent decree will have no disturbed acres shown and will only have a final report to close it out of the system. Documentation of the actual field disturbance is maintained by the Environmental Inspector and Stormwater Resident Engineer.

In 2017, 51 additional projects were entered in the stormwater database. There were 66 projects carried over from 2016. There were 16 projects that were added in the database in 2017 in anticipation they would break the one-acre threshold but they never reached the one-acre threshold. This brings the total of non-consent decree projects in the database to 22. A total of 38 projects awarded in 2017 exceeded the one-acre threshold and were part of the Consent Decree. A total of 88 Consent Decree projects were administered in the Stormwater Database in 2017 including carryover projects from previous years. Appendix E outlines all MoDOT projects included in the database.

14.0 Permits

Continued compliance under MoDOT's current NPDES SW permit has not resulted in the obligation to obtain any additional federal or state permits or approvals.

15.0 Major Storm Events for 2017

MoDOT had no force majeure events to report in 2017.

16.0 Non-Compliance Occurrences for 2017

The Missouri Department of Transportation had three violations to report in 2017 with a total anticipated penalty amount of \$1,250. Appendix T outlines these violations and the required stipulated penalty amounts for each violation.

MoDOT takes all violations of the Consent Decree very seriously. The directive from the department's top leadership has remained clear: the expectation is that MoDOT work to achieve complete compliance with the NPDES permit and the Consent Decree. MoDOT staff has worked very hard to comply with this expectation. The reported violations were unfortunate occurrences but should not overshadow the exceptional work MoDOT staff and its contractors have accomplished in 2017. MoDOT credits the success of our compliance with the NPDES SW permit and the Consent Decree to the daily database notifications produced by the Stormwater Database as well as the daily database verification of inspections, Stormwater Resident Engineers and WPCM certifications, and deficiency corrections by the

Stormwater Compliance and Environmental Specialist and each stormwater contact designated in each of MoDOT's 7 districts.

Constant communication is key to delivering the message of compliance with the Clean Water Act and the Consent Decree. MoDOT continues to outline the importance of compliance at events such as the DOMinno (Deliver, Operate, Maintain and Innovate) Conference and the Associated General Contractors (AGC)/MoDOT Annual Meetings each year. These two meetings allow MoDOT to reach a large number of MoDOT staff as well as the contracting community to keep them aware of Consent Decree progress and outline new compliance techniques. MoDOT engages with other active groups like the AGC Grading Quality Circle and AGC Environmental Committee as additional outlets to emphasize the importance of environmental compliance with local and regional Contractors.

MoDOT continues to track and report Consent Decree compliance within a Statewide Tracker measure to MoDOT leadership. MoDOT's Tracker is a tool to assess how well services and products are delivered to our customers. Results are published for public viewing and quarterly meetings are held to present findings to MoDOT leadership.

17.0 Certification Statement

In accordance with Section VI, Paragraph 38, I certify under penalty of law that this document and all attachments were prepared under my direction 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 and imprisonment for knowing violations.



Brian Williams, CPESC

Stormwater Compliance Coordinator MoDOT

Appendix A – Stormwater Compliance And Environmental Specialist Job Description

Missouri Department of Transportation

Code: R04132

Title: Stormwater Compliance Coordinator

Exemption Status: Exempt

Grade: 17

Job Description

Effective Date 12-01-2014

Replaces
(Effective Date)

General Summary The stormwater compliance coordinator is responsible for the department's regulatory compliance under various stormwater management and environmental protection rules, regulations, and programs.

Minimum/Required Qualifications Bachelor's Degree: Biology, Soil Science, Hydrology, Civil Engineering or related field
Six years of experience in aspects related to stormwater management and/or environmental programs.
Certification in Erosion and Sediment Control (CPESC) within six months of hire.

Supervisory Responsibilities Lead Worker Only

Location Central Office - Design

Special Working Conditions/Job Characteristics Job requires regular, statewide overnight travel.
Job requires exposure to moderately adverse and undesirable environmental conditions.

Examples of Work

- (1) Serves as the primary resource for department projects through design, construction and post-construction for all stormwater permitting requirements and serves as the main point of contact between the department and the stormwater regulatory agencies.
- (2) Coordinates the development, delivery, maintenance, and annual reporting requirements of the stormwater training program for applicable department employees and contractors.
- (3) Oversees department employees and contractors to provide guidance to ensure compliance with stormwater requirements.
- (4) Maintains and reviews stormwater permit(s) and associated stormwater pollution prevention plans.
- (5) Coordinates regular compliance inspections, identifies deficiencies, provides oversight, and recommends corrective action; and supervises the oversight inspection process in environmentally sensitive areas.
- (6) Prepares and submits periodic written reports of non-compliance with stormwater requirements to the appropriate stormwater regulatory agency, and prepares and submits an annual report summarizing all actions taken within the previous year.

- (7) Creates, implements, and maintains an electronic database to track all stormwater deficiencies noted in any stormwater inspection or oversight inspection and the actions taken to address each.
- (8) Orders the taking of measures to cease, correct, prevent, or minimize the consequences of non-compliance with stormwater requirements.
- (9) Issues stop work orders on a project, if necessary, to ensure compliance with stormwater requirements.
- (10) May perform lead worker responsibilities, which may include providing general instruction, assigning and reviewing work, coaching and training, providing guidance and instruction in the proper and most efficient methods of accomplishing tasks, and providing input to the direct supervisor on staffing decisions and performance management.
- (11) Performs other responsibilities as required or assigned.

The Missouri Department of Transportation promotes an equal opportunity workplace that includes reasonable accommodation of otherwise disabled applicants and employees. Please see your manager should you have any questions about this policy or these job duties.

Appendix B – Stormwater Compliance and Environmental Specialist Certification



EnviroCert International, Inc.®

certifies that

Brian Keith Williams

Subscribes to the Code of Ethics and Professional Conduct and has met the requirements established for the CPESC® Program as a

**Certified Professional in Erosion and
Sediment Control®**

CPESC® Number: **8732**

Certificate Date: **May 19, 2017**

Alan Black, Director, Technical Committee Chair

Robert Anderson, EnviroCert Board President



Appendix C – Stormwater Compliance And Environmental Specialist Change Order Authority

109.12 Change Orders (for Sec 109.12

(http://www.modot.org/business/standards_and_specs/Sec0109.pdf))

A change order is a supplement to the contract. It is prepared to provide authority to pay for revisions in quantities and to authorize changes in scope of work, design concept or specifications. Changes in scope should be limited to the original intent, purpose and limits (length and width) of the job. In instances where proposed changes in scope go beyond these original job parameters the change order shall be considered a major change order and Construction and Materials will discuss the proposed change with the Asst. Chief Engineer. Change orders must have approval before the work is done. Exceptions are granted for routine or minor changes, or emergency revisions for which verbal approval has been granted. In rare cases it may be necessary to proceed with emergency measures without prior approval. In such cases verbal approval should be sought as soon as practicable. Indicate in the diary or letter of transmittal the name of the individual who provided that verbal approval. Change orders providing for additional payment should be processed in sufficient time to allow payment on the next estimate following the period in which the work was performed.

When a major change order is received in Construction and Materials (<http://www.intranet/cm/>) , it must first be reviewed and approved by one of the Construction and Materials liaison engineers. Often the liaison may ask for more information on change orders than the resident engineer feels is necessary since the resident engineer is on the job and the answer appears quite simple and obvious. However, it is difficult for reviewers away from the construction site, such as the District Construction and Materials Engineer, to get a clear understanding unless a detailed explanation is provided on the change order. A clear description or drawing can expedite processing the change order.

Change Order Approval. There are four levels of change orders; non-major change orders that can be approved by the resident engineer (Change Order Level 1), non-major change orders that must have district approval (Change Order Level 2), major change orders that must have division approval (Change Order Level 3) and change orders that require Chief Engineer/ Chief Financial Officer approval (Change Order Level 4). Level 2, 3 and 4 change orders on projects designated for federal involvement for change orders on the PODI Matrix require approval by the Federal Highway Administration. The change order approval level rules are as follows (and available in table form):

Non-major change orders (Change Order Level 1) approved by the resident engineer are:

1. Any no-cost change orders (used when the direct substitution of a particular line item with a contingent item does not generate an additional cost or cost reduction).
2. Any change in a contract or contingency item less than \$50,000.

Examples of a Resident Engineer Change Order Report (http://epg.modot.mo.gov/files/a/a2/137.2_Resident_Engineer.jpg) are available.

Non-major change orders (Change Order level 2) requiring approval by the district office, and FHWA on projects designated for federal involvement on change orders on the PODI Matrix require, are:

1. Final change orders, if one is necessary.
2. Any change in a contract item or contingency item from \$50,000 to \$100,000.
3. Any new contingency item from \$50,000 to \$100,000.

Examples of a District Change Order Report are available.

Erosion Control Change Orders requiring approval from the Stormwater Compliance and Environmental Specialist, are:

1. Any change in a contract or contingency item under \$100,000.
2. Any new contingency item under \$100,000.

Change Order Approval Level Determination Chart

Change Order approval levels are automatically set by the construction management system. All change orders must be approved at Level 1 (Resident Engineer). If a given change order exceeds the criteria from this chart, it would also need to be approved at the additional Level(s) shown. The chart values are absolute values. The criteria that requires the highest level approval always prevails over other criteria. The approval level for a change order marked "Combination" is determined by the various independent components of the change order.

Appendix D – Designation of Stormwater Resident Engineers

Active Projects as of December 2017

Contract ID	District	Route	Description	Contractor	Project RE	Training Date	Backup RE	Training Date
170120-A02	NW	6	Slide repair	Above And Below Contracting, LLC	James Gillespie Gregory	1/31/2017	Austin Hiibler	1/31/2017
170421-A01	NW	DD	Bridge replacement	Emery Sapp & Sons, Inc.	Stervinou	1/31/2017	Austin Hiibler	1/31/2017
170519-A01	NW	I-29	Bridge rehabilitation	Comanche Construction, Inc.	Larry Jacobson	1/31/2017	Austin Hiibler	1/31/2017
170616-A03	NW	136	Bridge replacement	Boone Construction Co.	Larry Jacobson	1/31/2017	Austin Hiibler	1/31/2017
170421-B02	NE	63	Bridge rehabilitation	E & C Bridge, LLC	Jeffery Gander	2/14/2017	Macy Rodenbaugh	2/14/2017
170519-B06	NE	F	Slide repair	Magruder Construction Co., Inc.	Richard Domzalski	1/31/2017	Macy Rodenbaugh	2/14/2017
170818-B01	NE	I-70	Grading, alternate paving, walls and bridge	Emery Sapp & Sons, Inc.	Richard Domzalski	1/31/2017	Macy Rodenbaugh	2/14/2017
150320-C07	KC	50	Grading, pavement and bridge	Chester Bross Construction Company/C.B. Equipment, Inc.	James Pflum	2/14/2017	Stephen Collyott	1/31/2017
150417-C01	KC	50	Grading and pavement	Chester Bross Construction Company/C.B. Equipment, Inc.	James Pflum	2/14/2017	Stephen Collyott	1/31/2017
160624-C01	KC	435	Resurface	Clarkson Construction Company	James Pflum	2/14/2017	Stephen Collyott	1/31/2017
160624-C07	KC	45	Grading, pavement, retaining walls, and lighting	Clarkson Construction Company	Matthew Daulton	1/31/2017	Lisa Ann Stupps	1/31/2017
161118-C01	KC	49	Grading, paving, and bridge	Radmacher Brothers Excavating Co., Inc.	Jacob Wilson	3/16/2017	Brian Burger	1/31/2017
161118-C02	KC	I-70	2 Bridge deck replacements	Emery Sapp & Sons, Inc.	Zachary Walker	1/31/2017	Brian Burger	1/31/2017
170217-C01	KC	35	Grading, paving, and bridges	Ideker, Inc.	Matthew Daulton	1/31/2017	Lisa Ann Stupps	1/31/2017
170217-C02	KC	50	Grading, pavement and bridges	Radmacher Brothers Excavating Co., Inc.	Jacob Wilson	3/16/2017	Brian Burger	1/31/2017
170217-C07	KC	291	Grading, paving, drainage and ADA improvements	Miles Excavating, Inc.	Jacob Wilson	3/16/2017	Brian Burger	1/31/2017
170421-C03	KC	50	Intersection improvement	Emery Sapp & Sons, Inc.	Brian Iles	3/16/2017	Brian Burger	1/31/2017
170519-C02	KC	65	Bridge deck replacement	Widel, Inc.	Zachary Walker	1/31/2017	Brian Burger	1/31/2017
161118-D06	CD	54	Resurface	APAC-Central, Inc.	Christopher Graham	2/14/2017	Derek Lepper	2/14/2017
161118-D07	CD	5	Resurface	Capital Paving & Construction, LLC	Aaron Peck	4/11/2017	Kirsten A. Munck	2/14/2017
170324-D05	CD	B	Resurface and add shoulders	Jefferson Asphalt Company	Reid Riley	1/31/2017	Derek Lepper	2/14/2017
170421-D04	CD	100	Bridge replacement	KCI Construction Company	Reid Riley	1/31/2017	Derek Lepper	2/14/2017
170421-D05	CD	32	Bridge replacement	KCI Construction Company	Dennis Krenning	1/31/2017	Derek Lepper	2/14/2017

Active Projects as of Decmber 2017 Cont.

Contract ID	District	Route	Description	Contractor	Project RE	Training Date	Backup RE	Training Date
170421-D07	CD	54	rehabilitations, guardrail	Capital Paving & Construction, LLC	Reid Riley	1/31/2017	Derek Lepper	2/14/2017
160210-F01	SL	141	Route 141 Design Build Pavement and 2 bridge	Pace Construction Company	John Grana	1/31/2017	Chris K. Morgan	2/14/2017
160318-F02	SL	44	replacements	KCI Construction Company	Scott Washausen	1/31/2017	Michael Castro	3/16/2017
160520-F01	SL	47	Building demolition	Alberici Constructors, Inc.	Tim Hellebusch	1/31/2017	Brian Lange	4/11/2017
160520-F10	SL	N,	Grading, paving and bridge	Phillips Hardy, Inc.	John Lewis	1/31/2017	Anthony J. Gambaro	1/31/2017
170120-F02	SL	364	Guardrail and guard cable	Collins & Hermann, Inc.	John Lewis	1/31/2017	Anthony J. Gambaro	1/31/2017
170217-F05	SL	BB	Resurface and add shoulders	N.B. West Contracting Company	Christine Redhage	1/31/2017	Franklin T. Vance	1/31/2017
170616-F01	SL	70	Intersection and ADA improvements	R. V. Wagner, Inc.	Scott Washausen	1/31/2017	Michael Castro	3/16/2017
170616-F03	SL	61	Grading, pavement and bridge	KCI Construction Company	John Lewis	1/31/2017	Anthony J. Gambaro	1/31/2017
160219-G11	SW	65	Grading, paving, and bridge	Emery Sapp & Sons, Inc.	Johnny Teegardin	2/14/2017	Steven Campbell	4/11/2017
160923-G08	SW	Bus 65	Grading, pavement and bridge	Lehman Construction, LLC	Donald Gripka	4/11/2017	James F. Blackburn	1/31/2017
161118-G09	SW	EE	Resurface and add shoulders	Blevins Asphalt Construction Company, Inc.	Donald Gripka	4/11/2017	James F. Blackburn	1/31/2017
161118-G09	SW	AB	Resurface and add shoulders	Blevins Asphalt Construction Company, Inc.	Donald Gripka	4/11/2017	James F. Blackburn	1/31/2017
170421-G02	SW	Bus 60	Bridge replacement	Hartman and Company, Inc.	Johnny Teegardin	2/14/2017	Steven Campbell	4/11/2017
170421-G04	SW	44	Grading and paving	Emery Sapp & Sons, Inc.	Donald Gripka	4/11/2017	James F. Blackburn	1/31/2017
170421-G05	SW	76	Grading, pavement, and bridge replacement	Lehman Construction, LLC	Johnny Teegardin	2/14/2017	Steven Campbell	4/11/2017
170519-G01	SW	65	Grading, paving and bridges	APAC-Central, Inc.	Donald Gripka	4/11/2017	James F. Blackburn	1/31/2017
170519-G09	SW	413, 60	Grading and paving	APAC-Central, Inc.	Donald Gripka	4/11/2017	James F. Blackburn	1/31/2017
161021-H02	SE	17	Resurface and shoulder widening	APAC-Central, Inc.	Audie Pulliam	1/31/2017	Andrew Meyer	1/31/2017
170120-H01	SE	19	Bridge replacement	Lehman Construction, LLC	Audie Pulliam	1/31/2017	Andrew Meyer	1/31/2017
170120-H04	SE	H	Resurface and add shoulders	Chester Bross Construction Company/C.B. Equipment, Inc.	Darius Dowdy	1/31/2017	Andrew Meyer	1/31/2017
170324-H05	SE	21	Resurface	Chester Bross Construction Company/C.B. Equipment, Inc.	Tammy Hefner	1/31/2017	Donald A. Hills	1/31/2017

Active Projects as of December 2017 Cont.

Contract ID	District	Route	Description	Contractor	Project RE	Training Date	Backup RE	Training Date
170324-H06	SE	67	Slope repair	H.R. Quadri Contractors, LLC	Darius Dowdy	1/31/2017	Andrew Meyer	1/31/2017
170324-H11	SE	CC	Bridge replacement	Joe's Bridge & Grading, Inc.	Tammy Hefner	1/31/2017	Donald A. Hills	1/31/2017
170519-H01	SE	55	Grading, paving, and bridges	Emery Sapp & Sons, Inc.	Brian Holt	1/31/2017	Matthew D. Wilkerson	1/31/2017
170623-H01	SE	CC	Bridge replacement	Clarkson Construction Company	Audie Pulliam	1/31/2017	Andrew Meyer	1/31/2017
170818-H01	SE	HH	Pavement repairs	H.R. Quadri Contractors, LLC	Tammy Hefner	1/31/2017	Donald A. Hills	1/31/2017

Projects with Final Stabilization in 2017

Contract Id	District	Route	Description	Contractor	Project RE	Training Date	Backup RE	Training Date
160122-A01	NW	36	Grading, pavement and bridge	Lehman Construction, LLC	Gregory Strevinou	1/31/2017	Austin Hiibler	1/31/2017
160219-A01	NW	13	Bridge replacement	Phillips Hardy, Inc.	James Gillespie	1/31/2017	Austin Hiibler	1/31/2017
160318-C06	NW	92	Grading and pavement	Leavenworth Excavating & Equipment Company, Inc.	Gregory Strevinou	1/31/2017	Austin Hiibler	1/31/2017
161118-A05	NW	246	Bridge replacement	Emery Sapp & Sons, Inc.	Larry Jacobson	1/31/2017	Austin Hiibler	1/31/2017
161118-A05	NW	46	Bridge replacement	Emery Sapp & Sons, Inc.	Larry Jacobson	1/31/2017	Austin Hiibler	1/31/2017
150320-B04	NE	19	pavement and bridge	Lehman Construction, LLC	Richard Domzalski	1/31/2017	Macy Rodenbaugh	2/14/2017
160826-B01	NE	61	Slide repair	CSD Environmental Services, Inc.	Martin Lincoln	2/14/2017	Macy Rodenbaugh	2/14/2017
140709-C01	KC	69	Grading, paving, and bridge	American Bridge Company	Matthew Daulton	1/31/2017	Lisa Ann Stupps	1/31/2017
141121-C01	KC	35	Bridge Replacement	Miles Excavating, Inc.	Matthew Daulton	1/31/2017	Lisa Ann Stupps	1/31/2017
160318-C02	KC	23	Bridge replacement	L. G. Barcus and Sons, Inc.	Zachary Walker	1/31/2017	Brian Burger	1/31/2017
170421-C01	KC	24	Intersection improvements	Emery Sapp & Sons, Inc.	Brian Iles	3/16/2017	Brian Burger	1/31/2017
170421-C07	KC	152	Guard cable	Collins & Hermann, Inc.	Matthew Daulton	1/31/2017	Lisa Ann Stupps	1/31/2017
170421-C07	KC	9	Guard cable	Collins & Hermann, Inc.	Matthew Daulton	1/31/2017	Lisa Ann Stupps	1/31/2017
140919-D01	CD	50	Grading & Bridge	Emery Sapp & Sons, Inc.	Reid Riley	1/31/2017	Derek Lepper	1/31/2017
151023-D02	CD	8	Resurface	H.R. Quadri Contractors, LLC	Dennis Krenning	1/31/2017	Derek Lepper	1/31/2017
151120-D06	CD	94	Resurface and add shoulders	Capital Paving & Construction, LLC	Reid Riley	1/31/2017	Derek Lepper	1/31/2017
160415-D04	CD	17	Resurface	N.B. West Contracting Company	Dennis Krenning	1/31/2017	Derek Lepper	1/31/2017
161118-D02	CD	F	Resurface	Magruder Paving, LLC	Christopher Graham	2/14/2017	Derek Lepper	1/31/2017
161216-D02	CD	19	2 Bridge replacements	Don Schnieders Excavating Company, Inc.	Reid Riley	1/31/2017	Derek Lepper	1/31/2017

Projects with Final Stabilization in 2017 Cont.

Contract Id	District	Route	Description	Contractor	Project RE	Training Date	Backup RE	Training Date
140822-F01	SL	64	New add a lane	Gershenson	John Grana	1/31/2017	Chris K. Morgan	1/31/2017
150220-F09	SL	47	Bridge replacement	Kozeny-Wagner	Christine Redhage	1/31/2017	Franklin T. Vance	1/31/2017
150417-F03	SL	D	Grading, pavement, and resurface with 2 Add Alternates	N.B. West Contracting Company	Matthew Jansson	5/4/2017	Michael Castro	1/31/2017
151120-F04	SL	185	Grading, add shoulders, and resurface	N.B. West	Christine Redhage	1/31/2017	Franklin T. Vance	1/31/2017
160122-F03	SL	70	Grading, pavement and bridge	Millstone Weber, LLC	LEWIS, JOHN	1/31/2017	Anthony J. Gambaro	1/31/2017
141121-G08	SW	249	ADA and Intersection Improvements	Branco	Gregory Chapman	1/31/2017	Jason Evenden	2/14/2017
150320-G02	SW	60	Grading, pavement and bridge	Emery Sapp & Sons, Inc.	Donald Gripka	4/11/2017	James F. Blackburn	1/31/2017
150821-G02	SW	13	Resurface	APAC-Central	Shannon Kellner	3/16/2017	Steven Campbell	1/31/2017
151120-G06	SW	14	Grading and pavement	Hartman	Johnny Teegardin	2/14/2017	Steven Campbell	4/11/2017
161118-G01	SW	44	Bridge rehabilitation	Emery Sapp & Sons, Inc.	Gregory Chapman	1/31/2017	Jason Evenden	1/31/2017
161216-G03	SW	96	A+B - Bridge replacement and ADA improvements	Clarkson Construction Company	Shannon Kellner	3/16/2017	Steven Campbell	1/31/2017
140523-H03	SE	160	Grading and Paving	H.R. Quadri Contractors, LLC	Tammy Hefner	1/31/2017	Donald A. Hills	3/16/2017
141121-H03	SE	412	Grading and Paving	Chester Bross Construction Company/C.B. Equipment, Inc.	Tammy Hefner	1/31/2017	Donald A. Hills	1/31/2017
150320-H17	SE	34	Resurface and add shoulder	Apex Paving Co.	Darious Dowdy	1/31/2017	Andrew Meyer	1/31/2017
150515-H10	SE	63	Grading and pavement with 1 add alternate	Chester Bross Construction Company/C.B. Equipment, Inc.	Audie Pulliam	1/31/2017	Andrew Meyer	1/31/2017
150925-H03	SE	M	Bridge replacement	United Ironworkers, Inc.	Audie Pulliam	1/31/2017	Andrew Meyer	1/31/2017
160318-H07	SE	O	Resurface	Magruder Paving, LLC	Darious Dowdy	1/31/2017	Andrew Meyer	1/31/2017
160415-H06	SE	M	Pavement and shoulders	H.R. Quadri Contractors, LLC	Audie Pulliam	1/31/2017	Andrew Meyer	1/31/2017
160520-H03	SE	AC	Grading and pavement	Emery Sapp & Sons, Inc.	Brian Holt	1/31/2017	Matthew D. Wilkerson	1/31/2017

Appendix E – Designation of Environmental Construction Inspectors

Active Projects as of December 2017

Contract ID	District	Route	Description	Contractor	Inspector	Training Date	Backup Inspector	Training Date
170120-A02	NW	6	Slide repair	Above And Below Contracting, LLC	Nathan King	1/31/2017	Justing Skipper	1/31/2017
170421-A01	NW	DD	Bridge replacement	Emery Sapp & Sons, Inc.	Heath Hartman	1/31/2017	Gina Orozco-Stillman	1/31/2017
170519-A01	NW	I-29	Bridge rehabilitation	Comanche Construction, Inc.	Jason White	1/31/2017	Kylie Schluter	1/31/2017
170616-A03	NW	136	Bridge replacement	Boone Construction Co.	Tim Zona	1/31/2017	Nathaniel Rice	1/31/2017
170421-B02	NE	63	Bridge rehabilitation	E & C Bridge, LLC	Curtis Elam	1/31/2017	Philip Sandifer	1/31/2017
170519-B06	NE	F	Slide repair	Magruder Construction Co., Inc.	Kevin McGartland	3/16/2017	Robert Davidson	1/31/2017
170818-B01	NE	I-70	Grading, alternate paving, walls and bridge	Emery Sapp & Sons, Inc.	Robert Davidson	1/31/2017	Brandon Colbert	10/4/2017
150320-C07	KC	50	Grading, pavement and bridge	Chester Bross Construction Company/C.B. Equipment, Inc.	Victoria Slagle	7/8/2016	Michael Warren	1/31/2017
150417-C01	KC	50	Grading and pavement	Chester Bross Construction Company/C.B. Equipment, Inc.	Michael Warren	1/31/2017	Victoria Slagle	7/8/2016
160624-C01	KC	435	Resurface	Clarkson Construction Company	Shannon Hall	2/22/2016	Michael Frizzell	4/11/2017
160624-C07	KC	45	Grading, pavement, retaining walls, and lighting	Clarkson Construction Company	Jennifer Sardigal	1/31/2017	Andrea Stroup	4/28/2016
161118-C01	KC	49	Grading, paving, and bridge	Radmacher Brothers Excavating Co., Inc.	William Chappell	1/31/2017	Timothy Hazlett	2/9/2017
161118-C02	KC	I-70	2 Bridge deck replacements	Emery Sapp & Sons, Inc.	Timothy Sims	4/11/2017	Eric Mothersbaugh	4/11/2017
170217-C01	KC	35	Grading, paving, and bridges	Ideker, Inc.	Brad Watkins	3/16/2017	Blake Stephens	8/12/2016
170217-C02	KC	50	Grading, pavement and bridges	Radmacher Brothers Excavating Co., Inc.	Sean Domingo	2/22/2016	Katie Leach	2/9/2017
170217-C07	KC	291	Grading, paving, drainage and ADA improvements	Miles Excavating, Inc.	Matthew Watson	4/28/2016	Phillip Nguyen	7/8/2016
170421-C03	KC	50	Intersection improvement	Emery Sapp & Sons, Inc.	Robert Hargrave	1/31/2017	Todd Matthews	1/31/2017
170519-C02	KC	65	Bridge deck replacement	Widel, Inc.	Eric Mothersbaugh	4/11/2017	John Sprigg	2/14/2017
161118-D06	CD	54	Resurface	APAC-Central, Inc.	Andrew Bowman	1/31/2017	Terry Morgan	3/16/2017
161118-D07	CD	5	Resurface	Capital Paving & Construction, LLC	Andrew Bertels	12/15/2016	Timothy Ackert	1/31/2017
170324-D05	CD	B	Resurface and add shoulders	Jefferson Asphalt Company	Randy Lamons	1/31/2017	Adam Bashore	12/15/2016
170421-D04	CD	100	Bridge replacement	KCI Construction Company	Cary Armour	1/31/2017	Aaron Lafave	1/13/2016
170421-D05	CD	32	Bridge replacement	KCI Construction Company	Matthew Malone	1/31/2017		

Active Projects as of Decmber 2017 Cont.

Contract ID	District	Route	Description	Contractor	Inspector	Training Date	Backup Inspector	Training Date
170421-D07	CD	54	guardrail improvements, and guard	Capital Paving & Construction, LLC	Douglas Thomas	3/16/2017	Adam Bashore	12/15/2016
160210-F01	SL	141	Route 141 Design Build	Pace Construction Company	Jeffrey Chambers	1/31/2017	Brian Roth-Roffy	2/14/2017
160318-F02	SL	44	Pavement and 2 bridge replacements	KCI Construction Company	Philip Dietrich	1/31/2017	Cynthia Farrar Mitchell	2/14/2017
160520-F01	SL	47	Bridge Construction	Alberici Constructors, Inc.	Brian Lange	4/11/2017	Shaneberger	1/31/2017
160520-F10	SL	N,	Grading, paving and bridge	Phillips Hardy, Inc.	Nicholas Buss	9/13/2016	Roger Brink	1/31/2017
170120-F02	SL	364	Guardrail and guard cable	Collins & Hermann, Inc.	Chad Engemann	2/14/2017	Ronald Peterson	1/31/2017
170217-F05	SL	BB	Resurface and add shoulders	N.B. West Contracting Company	Steven Buck	6/29/2016	Kevin Koch	1/31/2017
170616-F01	SL	70	Intersection and ADA improvements	R. V. Wagner, Inc.	David Washington	9/13/2017	Grant Manula	1/31/2017
170616-F03	SL	61	Grading, pavement and bridge	KCI Construction Company	Nicholas Gibbons	3/16/2017	Melvin Dukes	9/13/2017
160219-G11	SW	65	Grading, paving, and bridge	Emery Sapp & Sons, Inc.	Michael May	1/31/2017	Levi Jones	3/16/2017
160923-G08	SW	Bus 65	Grading, pavement and bridge	Lehman Construction, LLC	Christopher Carsten	1/31/2017	Bernie Mac	3/16/2017
161118-G09	SW	EE	Resurface and add shoulders	Blevins Asphalt Construction Company, Inc.	Brian Dye	3/16/2017	Matthew Willard	3/16/2017
161118-G09	SW	AB	Resurface and add shoulders	Blevins Asphalt Construction Company, Inc.	Brian Dye	3/16/2017	Matthew Willard	3/16/2017
170421-G02	SW	Bus 60	Bridge replacement	Hartman and Company, Inc.	darren Condron	3/16/2017	Gill Welton	3/16/2017
170421-G04	SW	44	Grading and paving	Emery Sapp & Sons, Inc.	Joshua Davis	3/15/2017	Matthew Willard	3/16/2017
170421-G05	SW	76	Grading, pavement, and bridge replacement	Lehman Construction, LLC	Brian Todd	1/31/2017	Levi Jones	3/16/2017
170519-G01	SW	65	Grading, paving and bridges	APAC-Central, Inc.	Teddy Earls	1/31/2017	Steven Howell	3/16/2017
170519-G09	SW	413, 60	Grading and paving	APAC-Central, Inc.	Steven Howell	3/16/2017	Matthew Willard	3/16/2017
161021-H02	SE	17	Resurface and shoulder widening	APAC-Central, Inc.	Brandon Voyles	1/31/2017	Nathan Reed	1/31/2017
170120-H01	SE	19	Bridge replacement	Lehman Construction, LLC	William Johnson	1/31/2017	Nathan Reed	1/31/2017
170120-H04	SE	H	Resurface and add shoulders	Chester Bross Construction Company/C.B. Equipment, Inc.	Ethan Pinkley	6/15/2016	Byron Davenport	2/14/2017
170324-H05	SE	21	Resurface	Chester Bross Construction Company/C.B. Equipment, Inc.	Cody Slayton	3/23/2017	Melissa Rose	1/31/2017
170324-H06	SE	67	Slope repair	H.R. Quadri Contractors, LLC	Byron Davenport	2/14/2017	Aaron Jones	6/15/2016

Active Projects as of Decmber 2017 Cont.

Contract ID	District	Route	Description	Contractor	Inspector	Training Date	Backup Inspector	Training Date
170324-H11	SE	CC	Bridge replacement	Joe's Bridge & Grading, Inc.	Cody Slayton	3/23/2017	Caleb Bradshaw	3/16/2017
170519-H01	SE	55	Grading, paving, and bridges	Emery Sapp & Sons, Inc.	Zachary Lee	12/5/2016	Corey Massey	1/31/2017
170623-H01	SE	CC	Bridge replacement	Clarkson Construction Company	Jason Ferguson	1/31/2017	Brandon Voyles	1/31/2017
170818-H01	SE	HH	Pavement repairs	H.R. Quadri Contractors, LLC	Nikki Knight	3/23/2017	Melissa Rose	1/31/2017

Projects with Final Stabilization in 2017

Contract Id	District	Route	Description	Contractor	Project Inspector	Training Date	Backup Inspector	Training Date
160122-A01	NW	36	Grading, pavement and bridge	Lehman Construction, LLC	Gina Orozco-Stillman	4/11/2017	Heath Hartman	1/31/2017
160219-A01	NW	13	Bridge replacement	Phillips Hardy, Inc.	Deardeuff	4/11/2017	Ricklyn Adams	7/6/2016
160318-C06	NW	92	Grading and pavement	Leavenworth Excavating & Equipment Company, Inc.	Jeffrey Dennis	1/31/2017	Heath Hartman	1/31/2017
161118-A05	NW	246	Bridge replacement	Emery Sapp & Sons, Inc.	Gary Hart	1/31/2017	Nathaniel Rice	7/6/2016
161118-A05	NW	46	Bridge replacement	Emery Sapp & Sons, Inc.	Gary Hart	1/31/2017	Nathaniel Rice	7/6/2016
150320-B04	NE	19	Grading, drainage, pavement and bridge	Lehman Construction, LLC	Andrew Long	1/31/2017	Robert Davidson	1/31/2017
160826-B01	NE	61	Slide repair	CSD Environmental Services, Inc.	Justin Dwight	1/31/2017	Delmar Whittaker	2/14/2017
140709-C01	KC	69	Grading, paving, and bridge	American Bridge Company	Christopher Karlin	2/14/2017	Chris Terl	1/31/2017
141121-C01	KC	35	Bridge Replacement	Miles Excavating, Inc.	Eric Heck	6/11/2015	Blake Stephenes	1/31/2017
160318-C02	KC	23	Bridge replacement	L. G. Barcus and Sons, Inc.	Timothy Sims	4/11/2017	Cheryl Grines	4/11/2017
170421-C01	KC	24	Intersection improvements	Emery Sapp & Sons, Inc.	James Lohsandt	3/16/2017	Robert Hargrave	1/31/2017
170421-C07	KC	152	Guard cable	Collins & Hermann, Inc.	Karlee Bauknecht	4/11/2017		
170421-C07	KC	9	Guard cable	Collins & Hermann, Inc.	Karlee Bauknecht	4/11/2017		
140919-D01	CD	50	Grading & Bridge	Emery Sapp & Sons, Inc.	Aaron Lafave	1/13/2016	Cary Armor	1/31/2017
151023-D02	CD	8	Resurface	H.R. Quadri Contractors, LLC	Dennis Brady	1/31/2017	Cindy Dzurick	1/31/2017
151120-D06	CD	94	Resurface and add shoulders	Capital Paving & Construction, LLC	Randy Lamons	1/31/2017	Cary Armor	1/31/2017
160415-D04	CD	17	Resurface	N.B. West Contracting Company	Phillip Thompson	3/16/2017	Eric Abbot	1/31/2017
161118-D02	CD	F	Resurface	Magruder Paving, LLC	Ricky Sammons	2/14/2017	Daniel Weaver	1/31/2017
161216-D02	CD	19	2 Bridge replacements	Don Schnieders Excavating Company, Inc.	Aaron Lafave	1/13/2016	Cayce Rogers	1/31/2017

Projects with Final Stabilization in 2017 Cont.

Contract Id	District	Route	Description	Contractor	Project Inspector	Training Date	Backup Inspector	Training Date
140822-F01	SL	64	New add a lane	Gershenson	Eric Ingram	2/14/2017	Deborah Gallagher	1/31/2017
150220-F09	SL	47	Bridge replacement	Kozeny-Wagner	Bruce Wright	6/11/2015	Kevin Koch	1/31/2017
150417-F03	SL	D	Grading, pavement, and resurface with 2 Add Alternates	N.B. West Contracting Company	Jason Aubuchon	2/14/2017	Jonathan Silver	1/31/2017
151120-F04	SL	185	Grading, add shoulders, and resurface	N.B. West	Theodore Fox	6/11/2015	Kevin Koch	1/31/2017
160122-F03	SL	70	Grading, pavement and bridge	Millstone Weber, LLC	Michael Spanberger	1/31/2017	Anthony Gambaro	1/31/2017
141121-G08	SW	249	ADA and Intersection Improvements	Branco	Jonathan Castillo	6/18/2015	Karen Lane	1/31/2017
150320-G02	SW	60	Grading, pavement and bridge	Emery Sapp & Sons, Inc.	Matthew Willard	3/16/2017	Brian Dye	1/31/2017
150821-G02	SW	13	Resurface	APAC-Central	James Howell	6/14/2016	Roger Mann	1/31/2017
151120-G06	SW	14	Grading and pavement	Hartman	Gill Welton	3/16/2017	Darren Condron	1/31/2017
161118-G01	SW	44	Bridge rehabilitation	Emery Sapp & Sons, Inc.	Ryan Dingman	1/31/2017	Etchu Ebott	1/31/2017
161216-G03	SW	96	A+B - Bridge replacement and ADA improvements	Clarkson Construction Company	Bryan Dingman	1/31/2017	Etchu Ebott	1/31/2017
140523-H03	SE	160	Grading and Paving	H.R. Quadri Contractors, LLC	Chris Barnfield	1/31/2017	Donald A. Hills	3/16/2017
141121-H03	SE	412	Grading and Paving	Chester Bross Construction Company/C.B. Equipment, Inc.	Lynn Smith	3/16/2017	Erin Collins	9/13/2017
150320-H17	SE	34	Resurface and add shoulder	Apex Paving Co.	Jerry Lewis	1/31/2017	Cody Snow	1/31/2017
150515-H10	SE	63	Grading and pavement with 1 add alternate	Chester Bross Construction Company/C.B. Equipment, Inc.	Jason Ferguson	1/31/2017	David Prock	3/16/2017
150925-H03	SE	M	Bridge replacement	United Ironworkers, Inc.	Brandon Voyles	1/31/2017	Michael Crudginton	3/16/2017
160318-H07	SE	O	Resurface	Byron Magruder Paving, LLC	Davenport	2/14/2017	Chris Crocker	1/31/2017
160415-H06	SE	M	Pavement and shoulders	H.R. Quadri Contractors, LLC	Nathan Reed	1/31/2017	Brandon Voyles	3/16/2017
160520-H03	SE	AC	Grading and pavement	Emery Sapp & Sons, Inc.	Seth Bollinger	1/31/2017	Adam Mitchell	3/16/2017

Appendix F – Training Summary

Training Summary			
Number	Date	District	Attendance
1/12	Thursday	SL	20
2/9	Thursday	KC	18
2/16	Thursday	SL	17
2/21	Tuesday	CD	10
3/9	Thursday	AGC Office	12
3/15	Wednesday	SW	23
3/23	Thursday	SE	13
3/29	Wednesday	KC	29
5/2	Tuesday	SL	3
6/8	Thursday	CO	7
6/20	Tuesday	SW	4
6/27	Tuesday	KC	27
8/1	Tuesday	NE	16
8/15	Tuesday	CD	9
9/13	Wednesday	SL	33
10/4	Wednesday	NE	6
Total			247

Distirc Legend

NW - Northwest - St. Joseph

NE - Northeast - Hannibal

KC - Kansas City - Kansas City

CD - Central District - Jefferson City

SL - St. Louis - St. Louis

SW - Southwest - Springfield

SE - Southeast - Sikeston

AGC - Associated General Contractors

Internal Training Summary			
Date	Day	Location	Actual
1/12	Thursday	SL	10
2/9	Thursday	KC	5
2/16	Thursday	SL	4
2/21	Tuesday	CD	4
3/15	Wednesday	SW	13
3/23	Thursday	SE	10
3/29	Wednesday	KC	9
5/2	Tuesday	SL	1
6/8	Thursday	CO	3
6/20	Tuesday	SW	1
6/27	Tuesday	KC	16
8/1	Tuesday	NE	11
8/15	Tuesday	CD	4
9/13	Wednesday	SL	11
10/4	Wednesday	NE	2
Total			104

Distirc Legend

NW - Northwest - St. Joseph

NE - Northeast - Hannibal

KC - Kansas City - Kansas City

CD - Central District - Jefferson City

SL - St. Louis - St. Louis

SW - Southwest - Springfield

SE - Southeast - Sikeston

AGC - Associated General Contractors

External Training Summary			
Date	Day	Location	Actual
1/12	Thursday	SL	10
2/9/	Thursday	KC	13
2/16	Thursday	SL	13
2/21	Tuesday	CD	6
3/9/	Thursday	AGC Office	12
3/15	Wednesday	SW	10
3/23	Thursday	SE	3
3/29	Wednesday	KC	20
5/2	Tuesday	SL	2
6/13	Tuesday	NE	4
6/20	Tuesday	SW	3
6/27	Tuesday	KC	11
8/1	Tuesday	NE	5
8/15	Tuesday	CD	5
9/13	Wednesday	SL	22
10/4	Wednesday	NE	4
Total			143

Appendix G – Training Certification MoDOT

Internal				
Date	Thursday	Location	Room	Size
1/12	Thursday	SL	TMC 207	10
2/9	Thursday	KC	Conf Room 252	5
			TMC 207	4
2/16	Thursday	SL		
2/21	Tuesday	CD	Muri Room	4
3/15	Wednesday	SW	Conf Room 2	13
3/23	Thursday	SE	Poplar Bluff CR 1	10
3/29	Wednesday	KC	KC Dist Conf Room 136 E	9
5/2	Tuesday	SL	Hampton PO	1
6/8	Thursday	CO	Environmental OF	3
6/20	Tuesday	SW	Nevada PO	1
6/27	Tuesday	KC	CR 136E	16
8/1	Tuesday	NE	Mississippi River CR	11
8/15	Tuesday	CD	Parrish CR	4
9/13	Wednesday	SL	TMC 209	11
10/4	Wednesday	NE	Troy PO	2
				104

01/12/2017 - SL Training - SL District Office TMC 207					
Name	E-mail	Department	Title	District	Training Date
Rodney Freeman	rodney.freeman@modot.mo.gov	CM	CMT	SL	1/12/2017
Austin Kramer	austing.kramer@modot.mogov	CM	MI	SL	1/12/2017
Richard Pickens - Stewart	richard.pinkens-stewart@modot.mo.gov	CM	MT	SL	1/12/2017
Courtney Smith	courtney.smith@modot.mo.gov	CM	MI	SL	1/12/2017
Nathan Norton	nathan.norton@modot.mo.gov	MTO	ICT	SL	1/12/2017
Andrew Wilson	andrew.wilson@modot.mo.gov	CM	CT	SL	1/12/2017
Michael Fernandez	michael.fernandez@modot.mo.gov	CM	CI	SL	1/12/2017
Federico Lagos	federico.lagos@modot.mo.gov	TR	TS	SL	1/12/2017
Kelvin Mack	kelvin.mack@modot.mo.gov	CM	IMI	SL	1/12/2017
Robbie Bailey	robbie.bailey@modot.mo.gov	CM	ICT	SL	1/12/2017

02/09/2017 - KC Training - KC District Office Room 252					
Name	E-mail	Department	Title	District	Training Date
Katie Leach	katie.leach@modot.mo.gov	CM	CI	KC	2/9/2017
Jacob Wilson	jacob.wilson@modot.mo.gov	CM	CI	KC	2/9/2017
Timothy Hazlett	timothy.hazlett@modot.mo.gov	CM	CI	KC	2/9/2017
Derek Schnoebelen	derek.schnoebelen@modot.mo.gov	CM	CI	KC	2/9/2017
Michael Scarpitta	michale.scarpitta@modot.mo.gov	CM	CI	KC	2/9/2017

02/09/2017 - SL Training - SL TMC Room 207					
Name	E-mail	Department	Title	District	Training Date
Zenija Halilovic	zenija.halilovic@modot.mo.gov	Design	SHD	SL	2/16/2017
Jordan Finley	jordan.finley@modot.mo.gov	CO	CI	SL	2/16/2017
Gruska	joshua.schirmer-gruska@modot.mo.gov	CO	CT	SL	2/16/2017
Taylor Nilges	taylor.nilges@modot.mo.gov	CO	CT	SL	2/16/2017

2/21/2017- CD - District (Muri Room)					
Name	E-mail	Department	Title	District	Training Date
Danica Stoval-Taylor	danica.stovall-taylor@modot.mo.gov	DE	TPM	CD	2/21/2017
Troy Hughes	troy.hughts@modot.mo.gov	DE	TPM	CD	2/21/2017
Nicole Firnbach	nicole.firnbacach@modot.mo.gov	CO	ICI	CD	2/21/2017
Ryan Martin	ryan.martin@modot.mo.gov	CD	Std. SPC	CO	2/21/2017

3/15/2017 - SW Training - SW District Office Conf. Room 2					
Name	E-mail	Department	Title	District	Training Date
Etchu Ebott	etchu.ebott@modot.mo.gov	CM	CI	SW	3/15/2017
Turell Desha	turell.desha@modot.mo.gov	CM	CI	SW	3/15/2017
Weston Hanger	weston.hanger@modot.mo.gov	CM	CI	SW	3/15/2017
Michael Mitchell	michael.mitchell@modot.mo.gov	DE	SHD	SW	3/15/2017
Timothy Lee	timothy.lee@modot.mo.gov	CM	ICT	SW	3/15/2017
Sergio Valenzuela	sergio.valenzuela@modot.mo.gov	CM	CI	SW	3/15/2017
Will Simpson	william.simpson@modot.mo.gov	CM	ICT	SW	3/15/2017
Joshua Davis	joshua.davis@modot.mo.gov	CM	ICI	SW	3/15/2017
Brian Ely	brian.ely@modot.mo.gov	CM	CT	SW	3/15/2017
Nathan Davis	nathan.davis@modot.mo.gov	DE	HD	SW	3/15/2017
Tyler Thorson	Tyler.Thorson@modot.mo.gov	DE	HD	SW	3/15/2017
Shawn Kelso	shawn.kelso@modot.mo.gov	CM	CT	SW	3/15/2017
Cody Wilkins	cody.wilkins@modot.mo.gov	CM	ICT	SW	3/15/2017

3/23/2017 - SE Training - SE Poplar Bluff Construction Office Conf. Room 1					
Name	E-mail	Department	Title	District	Training Date
Katy Satterfield	kaitly.satterfield@modot.mo.gov	Design	HD	SE	3/23/2017
Cayenne Smith	cayenne.smith@modot.mo.gov	Design	HD	SE	3/23/2017
Justin Deffendall	justin.deffendall@modot.mo.gov	Design	DT	SE	3/23/2017
Seiji Shimbo	seiji.shimbo@modot.mo.gov	CM	IMI	SE	3/23/2017
Cody Slayton	Cody.Slayton@modot.mo.gov	CM	ICI	SE	3/23/2017
Nicholas Weems	nicholas.weems@modot.mo.gov	CM	CI	SE	3/23/2017
Jordan Dalaviras	jordan.dalaviras@modot.mo.gov	TR	TSP	SE	3/23/2017
Keegan Tatsch	kegan.tatsch@modot.mo.gov	CM	CI	SE	3/23/2017
Nikki Knight	nikki.knight@modot.mo.gov	CM	ICT	SE	3/23/2017
Dustin Pinkston	dustin.pinkston@modot.mo.gov	CM	ICT	SE	3/23/2017

3/29/2017 - KC Training - District CR 136 East					
Name	E-mail	Department	Title	District	Training Date
John Shores	john.shores@modot.mo.gov	TR	SE	NW	3/29/2017
ELizabeth Bowen	elizabeth.bowen@modot.mo.gov	TR	TSS	NW	3/29/2017
Mark Bridge	mark.bridge@modot.mo.gov	MT	SMT	NW	3/29/2017
James Dewilde	james.dewilde@modot.mo.gov	DE	HD	NW	3/29/2017
Timothy Miner	timothy.miner@modt.mo.gov	DE	HD	NW	3/29/2017
Chad Hessenflow	chad.hessenflow@modot.mo.gov	CM	SCT	KC	3/29/2017
Rodney Layman	rodney.layman@modot.mo.gov	CM	SCT	KC	3/29/2017
Thankam					
Mathew	thankam.mathew@modot.mo.gov	CM	ADCE	KC	3/29/2017
Brian Lavender	brian.lavender@modot.mo.gov	CM	SCT	KC	3/29/2017

5/2/2017 - SL District - Hampton Project Office					
Name	E-mail	Department	Title	District	Training Date
Evan Hill	hille1@modot.mo.gov	DE	IES	CO	5/2/2017

6/08/2017 -CO Training - Environmental Office					
Name	E-mail	Department	Title	District	Training Date
Larry Wells	larry.wells@modot.mo.gov	CM		NE	6/8/2017
Matthew Powers	matthew.powers@modot.mo.gov	CM		NE	6/8/2017
Brian Gard	brian.gard	CM		NE	6/8/2017

6/20/2017 - SW District - Nevada Project Office					
Name	E-mail	Department	Title	District	Training Date
Eduardo (Eddy) Serna	eduardo.Serna@modot.mo.gov	CM	CI	SW	6/20/2017

06/27/2017 - KC District - Conference Room 136E					
Name	E-mail	Department	Title	District	Training Date
Shawn Weber	shawn.weber@modot.mo.gov	CM	CT	KC	6/27/2017
Easaw Thomas	easaw.thomas@modot.mo.gov	DE	SHD	KC	6/27/2017
Ryan Horvath	ryan.horvath@modot.mo.gov	DE	SHD	KC	6/27/2017
Travis Teter	travis.teter@modot.mo.gov	MT	MS	KC	6/27/2017
Jimmy Shannon	james.shannon@modot.mo.gov	MT	ADME	KC	6/27/2017
Bradley Brunk	bradley.brunk@modot.mo.gov	DE	TPD	KC	6/27/2017
William VanDyne	william.vandyne@modot.mo.gov	MT	MS	KC	6/27/2017
Dave McDaniel	david.mcdaniel@modot.mo.gov	MT	SMT	KC	6/27/2017
David Olson	david.olson@modot.mo.gov	TR	Ttech	KC	6/27/2017
Ron Clark	Ronald.clark@modot.mo.gov	CM	CI	KC	6/27/2017
Erin Rottinghaus	erin.rottinghaus@modot.mo.gov	DE	IHD	KC	6/27/2017
Bradley Elwell	bradley.elwell@modot.mo.gov	DE	SHT	KC	6/27/2017
Amanda Wollenberg	amanda.wollenberg@modot.mo.gov	DE	IHD	KC	6/27/2017
Megan Green	megan.green@modot.mo.gov	CM	MI	KC	6/27/2017
Harlan Burns	harlan.burns@modot.mo.gov	CM	MI	KC	6/27/2017
Brian Kidwell	brian.kidwell@modot.mo.gov	ADMIN	DE	KC	6/27/2017

8/01/2017 - NE District - Mississippi River Conference Room					
Name	E-mail	Department	Title	District	Training Date
Rhonda Marsden	rhonda.marsden@modot.mo.gov	MT	Crew Leder	NE	8/1/2017
Robert Hunolt	robert.hunolt@modot.mo.gov	MT	Crew Leder	NE	8/1/2017
Robert Cole	robert.cole@modot.mo.gov	MT	Crew Leder	NE	8/1/2017
Kent Strube	kent.strube@modot.mo.gov	MT	Crew Leder	NE	8/1/2017
Brian Maryniak	brian.maryniak@modot.mo.gov	MT	Crew Leder	NE	8/1/2017
David Meyer	david.meyer@modot.mo.gov	MT	Crew Leder	NE	8/1/2017
Rodney Miller	rodney.miller@modot.mo.gov	MT	Crew Leder	NE	8/1/2017
Josh Waelder	joshua.waelder@modot.mo.gov	MT	Crew Leder	NE	8/1/2017
Sean Unglesbee	sean.unglesbee@modot.mo.gov	MT	Crew Leder	NE	8/1/2017
Matt Korman	matthew.korman@modot.mo.gov	MT	Crew Leder	NE	8/1/2017
Brandon Runyon	brandon.runyon@modot.mo.gov	MT	Crew Leder	NE	8/1/2017

8/15/2017 - CD District - Parrish Conference Room					
Name	E-mail	Department	Title	District	Training Date
Levi Woods	levi.woods@modot.mo.gov	GS	IGSS	CO	8/15/2017
Tyler Murphy	tyler.murphy@modot.mo.gov	CM	ICT	CD	8/15/2017
Chadley Warnol	chadley.wornol@modot.mo.gov	CM	ICT	CD	8/15/2017
Jen Neely	jennifer.neely@modot.mo.gov	CM	CI	CD	8/15/2017

09/13/2017 - SL District - TMC Room 209					
Name	E-mail	Department	Title	District	Training Date
Roger Estopare	roger.estopare@modot.mo.gov	CM	SCT	SL	9/13/2017
David Washington	david.washington@modot.mo.gov	CM	SCT	SL	9/13/2017
Melvin Dukes	melvin.dukes@modot.mo.gov	CM	ICT	SL	9/13/2017
Sheron Thomas	sheron.thomas@modot.mo.gov	DE	HD	SL	9/13/2017
Charles (Chase) Etling	charles.etling@modot.mo.gov	DE	HD	SL	9/13/2017
Justin Wagner	justin.wagner@modot.mo.gov	TR	STS	SL	9/13/2017
Josh Przygoda	josuha.przygoda@modot.mo.gov	CM	SCT	SL	9/13/2017
Ryan Steppig	ryan.steppig@modot.mo.gov	CM	CI	SL	9/13/2017
Chris Colbert	christoper.colbert@modot.mo.gov	CM	ICT	SL	9/13/2017
Riley Hoffman	riley.hoffman@modot.mo.gov	DE	HD	SL	9/13/2017
jacob Kloeppinger	jacob.kloeppinger@modot.mo.gov	CM	CI	SL	9/13/2017

10/4/2017 - NE District - Troy Project Office					
Name	E-mail	Department	Title	District	Training Date
Brandon Colbert	brandon.colbert@modot.mo.gov	CM	CI	NE	10/4/2017
Ed Pyatt	edward.pyatt@modot.mo.gov	MT	MCL	NE	10/4/2017

APPENDIX H – Training Certification Water Pollution Control Managers

External				
Date	Day	Location	Room	Size
1/12	Thursday	SL	TMC 207	10
2/9/	Thursday	KC	Conf RM 252	13
2/16	Thursday	SL	TMC 207	13
2/21	Tuesday	CD	Muri Room	6
3/9/	Thursday	AGC Office	Downstairs CR	12
3/15	Wednesday	SW	Conf Room 2	10
3/23	Thursday	SE	Poplar Bluff CR 1	3
3/29	Wednesday	KC	KC Dist Conf Room 136 E	20
5/2	Tuesday	SL	Hampton PO	2
6/13	Tuesday	NE	Troy PO	4
6/20	Tuesday	SW	Nevada PO	3
6/27	Tuesday	KC	CR 136E	11
8/1	Tuesday	NE	Mississippi River CR	5
8/15	Tuesday	CD	Parrish CR	5
9/13	Wednesday	SL	TMC 209	22
10/4	Wednesday	NE	Troy PO	4
				143

1/12/2017- SL - District (TMC 2017)			
Name	E-mail	Company	Training Date
Frank Pinkley	Frank@csdenviro.com	CSD Environmental Services, Inc.	1/12/2017
Sterling Pfeifer	sterling.pfeifer@millstoneweber.com	Millstone Weber	1/12/2017
Paul Beatrice	paul.beatrice@millstoneweber.com	Millstone Weber	1/12/2017
Terry Crowley	terry.crowley@millstoneweber.com	Millstone Weber	1/12/2017
Jackson Andel	jandel@csdenviro.com	CSD Environmental Services, Inc.	1/12/2017
James Dixon JR	james.dixon@millstoneweber.com	Millstone Weber	1/12/2017
Richard Elliott JR	eoliarich@gmail.com	JTL Landscaping	1/12/2017
John Luecke	JTLlandscapingllc@gmail.com	JTL Landscaping	1/12/2017
Scott English	JTLlandscapingllc@gmail.com	JTL Landscaping	1/12/2017
Andrew Hallopeter	JTLlandscapingllc@gmail.com	JTL Landscaping	1/12/2017

2/9/2017- KC - District (Room 252)			
Name	E-mail	Company	Training Date
Stacy Mostrom	Stacy@earthscapesofliberty.com	Earthscapes of Liberty	2/9/2017
Steve Goertzen	Steve@earthscapesofliberty.com	Earthscapes of Liberty	2/9/2017
Bryan Wilkerson	Bwilkerson@clarksonconstruction.com	Clarkson Construcion	2/9/2017
Matt Kaaz	matt@lexeco.com	Lexeco	2/9/2017
Jeff Kerken	jeff@lexeco.com	Lexeco	2/9/2017
Kurt Cook	Kcook@Clarksonconstruction.com	Clarkson Construcion	2/9/2017
Bob Anthony	Banthon@clarksonconstruction.com	Clarkson Construcion	2/9/2017
Randy Hammett	Vhammett@clarksonconstruction.com	Clarkson Construcion	2/9/2017
Michael Waddle	mwaddle@clarksonconstruction.com	Clarkson Construcion	2/9/2017
Jim Reilly	jreilly@clarksonconstruction.com	Clarkson Construcion	2/9/2017
Roy Jagarice	rkagarice@clarksonconstruction.com	Clarkson Construcion	2/9/2017
Paul Noll	paulnoll@lexeco.com	Lexeco	2/9/2017
Hank Wiehe	hank@lexeco.com	Lexeco	2/9/2017

2/16/2017- SL - District (TMC 2017)			
Name	E-mail	Company	Training Date
Doug Bierman	dougb@karrenbrockconst.com	Karrenbrock Excavating	2/16/2017
Kevin Schuette	kevinlschuette@wentzvillemo.org	City of Wentzville	2/16/2017
Michael Tucker	michael.tucker@wentzvillemo.org	City of Wentzville	2/16/2017
Jamie Paige	jamie.paige@wentzvillemo.org	City of Wentzville	2/16/2017
Steve Bahena	Steven.bahena@wentzvillemo.org	City of Wentzville	2/16/2017
Brent Ermeling	brent.ermeling@wentzvillemo.org	City of Wentzville	2/16/2017
Ken Recar	ken@kciconstruction.com	KCI Construction	2/16/2017
William McKinnon		KCI Construction	2/16/2017
JD Kelley	jkelley@cochraneng.com	Cochran Engineering	2/16/2017
Jeff Lay	jeff@stormwater-stl.net	Stormwater STL	2/16/2017
Steve Polk	steve@stormwater-stl.net	Stormwater STL	2/16/2017
Kenneth Sturma	kenny@stormwater-stl.net	Stormwater STL	2/16/2017

2/21/2017- CD - District (Muri Room)			
Name	E-mail	Company	Training Date
William Davis	shop@unitedironworkers.com	United Ironworkers Inc.	2/16/2017
Mark Allegri	mark@ideker.net	Ideker, Inc,	2/21/2017
Larry Monnig	larry@rmcfam.org	Lehman Construction	2/21/2017
Matt Sollazzo	Mdsollazzo@aol.com	Lehman Construction	2/21/2017
Shane Frank	sfrankvii@gmail.com	Lehman Construction	2/21/2017
Marli Hayes	mhayes@capitalpavingmo.com	Capital Paving	2/21/2017
Jeff Golden	jgolden@capitalpavingmo.com	Capital Paving	2/21/2017

3/09/2017-AGC Office - Downstairs CR.			
Name	E-mail	Company	Training Date
Travis Hicks	hicksey00@hotmail.com	Schrimpf Landscaping	3/9/2017
Eric Davis	edavis0727@gmail.com	Schrimpf Landscaping	3/9/2017
Greg Wilson	gregwilson1013@gamil.com	Schrimpf Landscaping	3/9/2017
Ethan Wilson	ethanwilson0669@yahoo.com	Schrimpf Landscaping	3/9/2017
Craig Schrimpf	cschrimpf4947@gamil.com	Schrimpf Landscaping	3/9/2017
Kevin Boyle	kevinboyle1969@gmail.com	Schrimpf Landscaping	3/9/2017
Greg Schrimpf	pinacamarones@gmail.com	Schrimpf Landscaping	3/9/2017
Steve Schrimpf	SLIJCMO@aol.com	Schrimpf Landscaping	3/9/2017
James P Comerford	jcomerford@phillipshardy.c om	Phillips Hardy Inc.	3/9/2017
Matt Bainbridge	mbainbridge@phillipshardy.com	Phillips Hardy Inc.	3/9/2017
Levi Staats	Lstaats@phillipshardy.com	Phillips Hardy Inc.	3/9/2017
Jason Stastny	jstastny@phillipshardy.com	Phillips Hardy Inc.	3/9/2017

3/15/2017 - SW Training - SW District Office Conf. Room 2			
Name	E-mail	Company	Training Date
Scott Tassi	s-tassi@A-y1.com	A-Y-1 LLC	3/15/2017
Clint Rawlings	crawlings@jeffasbell.com	Jeff Asbell Excavating	3/15/2017
Cody Western	Not Provided	Jeff Asbell Excavating	3/15/2017
Joe Ruark	jruark@jeffasbell.com	Jeff Asbell Excavating	3/15/2017
Chris Landes	clandes@jeffasbell.com	Jeff Asbell Excavating	3/15/2017
Travis Burton	mmutilities@hotmail.com	M&M Utilities LLC	3/15/2017
Cody Haslag	cody@lehmanconstructionllc.com	Lehman Construction	3/15/2017
Rex Parks	rparks66102@yahoo.com	Pyramid Contractors	3/15/2017
Mike McCallister	mike@hutchensconstruction.com	Hutchens Construction	3/15/2017
Troy Silemore	troy@hutchensconstruction.com	Hutchens Construction	3/15/2017

3/23/2017 - SE Training - SE Poplar Bluff Construction Office Conf. Room 1			
Name	E-mail	Company	Training Date
Jamie Robertson	jamiejbg1@gmail.com	Joe's Bridge and Grading	3/23/2017
Stan Rapert	stanrapert@yahoo.com	Joe's Bridge and Grading	3/23/2017
David Stinson	davids@robertsoncontractors.com	Robertson Contracting	3/23/2017

3/29/2017 - KC Training - District CR 136 East			
Name	E-mail	Company	Training Date
Monty Bain	mtp@rfbconstructionco.com	RFB Construction	3/29/2017
Todd Phillips	tphillips2407@gmail.com	Pine Valley Contracting	3/29/2017
Jeremy Colbuch	jcolboch@hotmail.com	Pine Valley Contracting	3/29/2017
Darren Schaffer	darrenjschaffer@gmail.com	Pine Valley Contracting	3/29/2017
Clifton Callison	Pinevalley86@gmail.com	Pine Valley Contracting	3/29/2017
Morgan Utterack	morgan@pvseeding.com	Pine Valley Contracting	3/29/2017
Trevor Fitch	tfitch@clarksonconstruction.com	Clarkson Construction	3/29/2017
Kip Traster	km_concrete@yahoo.com	K&M Concrete	3/29/2017
Kevin McGinnis	kmmcginnis93@gmail.com	BRS Construction	3/29/2017
Mike Schrage	schragem@hotmail.com	BRS Construction	3/29/2017
Barry Schrage	schragem@hotmail.com	BRS Construction	3/29/2017
James Harrington	32hollywood@gmail.com	BRS Construction	3/29/2017
Keith Kuhn	keith.swip@gmail.com	Storm Water Insp Prof.	3/29/2017
Vuctor Zinn	victorz.swip@gmail.com	Storm Water Insp Prof.	3/29/2017
Bill Clymer	bill.clymer@terrystnellingconstruction.com	Terry Snelling Construction	3/29/2017
Jonna Mahy	ewot@sbcglobal.net	Towe Construction Co	3/29/2017
Dakota Glenn	hughesbroconstruction@yahoo.com	Hughes Brothers Construction	3/29/2017
Galen Pedersen	hughesbroconstruction@yahoo.com	Hughes Brothers Construction	3/29/2017
William Morris	ewot@sbcglobal.net	Towe Construction Co	3/29/2017
Chance Hollingsworth	chollingsworth@phillipshardy.com	Phillips Hardy	3/29/2017

5/2/2017 - SL District - Hampton Project Office			
Name	E-mail	Company	Training Date
Jermey Hill	jib@cecontractinginc.com	CE Contracting	5/2/2017
Jim Yokley	jbyokley@gmail.com	CE Contracting	5/2/2017

6/12/2017 - NE District - Troy Project Office			
Name	E-mail	Company	Training Date
Richard Taylor	rtaylor@gerstnerelectric.com	Gerstner Electric Inc.	6/13/2017
Tony Roderman	troderman@kciconstruction.com	KCI Construction	6/13/2017
Wendall Tibbetts	wtibbetts@kciconstruction.com	KCI Construction	6/13/2017
Craig Jackson	cjackson@kciconstruction.com	KCI Construction	6/13/2017

6/20/2017 - SW District - Nevada Project Office			
Name	E-mail	Company	Training Date
Tyler Parrack	tyler@buildit.com	Buildet LLC.	6/20/2017
Wesley Ogle	wes@buildit.com	Buildet LLC.	6/20/2017
Chris Henderne	chris@buildit.com	Buildet LLC.	6/20/2017

06/27/2017 - KC District - Conference Room 136E			
Name	E-mail	Company	Training Date
Chris Cantu	Chris@rothwell-construction.com	Rothwell Construction	6/27/2017
Doug Witterbart	douglas@rothwell-construction.com	Rothwell Construction	6/27/2017
Michael Crane	mdcrane62@outlook.com	Emery Sapp and Sons	6/27/2017
Ryan Grathwohl	ryan.grathwohl@emrysapp.com	Emery Sapp and Sons	6/27/2017
Larry Henderson	larryhenderson@hartmancomo.com	Hartman	6/27/2017
Travis Hitch	travis@TNRcontracting.com	TNR Construction	6/27/2017
David Vogan	Dave@TNRcontracting.com	TNR Construction	6/27/2017
Nick Dixon	Nick@TNRcontracting.com	TNR Construction	6/27/2017
Jason Eldredge	jason.eldredge@emerysapp.com	Emery Sapp and Sons	6/27/2017
Michael Brinegar	mbrinegar123@charter.net	Above and Below	6/27/2017
Mary Beth Sharpe	fourjenvironmental@hotmail.com	Four J Environmental LLC	6/27/2017

8/01/2017 - NE District - Mississippi River Conference Room			
Name	E-mail	Company	Training Date
Brian Twellman	btwellman@magruderconstruction.com	Magruder Construction	8/1/2017
Adam L. Oif	adamoiif@me.com	Magruder Construction	8/1/2017
Brian Beagle	bbeagle33@gmail.com	Magruder Construction	8/1/2017
Bob White	bwhite@magruderconstruction.com	Magruder Construction	8/1/2017
Jeff Grandcolas	jgrandcolas@magruderconstruction.com	Magruder Construction	8/1/2017

8/15/2017 - CD District - P:arrish Conference Room			
Name	E-mail	Company	Training Date
Doug Jones	dougjones@kciconstruction.com	KCI Construction	8/15/2017
Shane McCoy	smccoy@kciconstruction.com	KCI Construction	8/15/2017
Steve Kientzy	skientzy@magruderconstruction.com	Magruder Construction	8/15/2017
Raymond Dale Gibler	dgibler@magruderconstruction.com	Magruder Construction	8/15/2017
Christopher Patrick	chrispatrick0524@gmail.com	KCI Construction	8/15/2017

09/13/2017 - SL District - TMC Room 209			
Name	E-mail	Company	Training Date
Jeff Lange	jlange@CMTengr.com	CMT Consulting	9/13/2017
Dale Hendrickson	dhendreicson@sciengineering.com	SCI Engineering	9/13/2017
Kyle Wackes	kwackes@sciengineering.com	SCI Engineering	9/13/2017
Todd Picklesimer	tpicklesimer@cmtengr.com	CMT Consulting	9/13/2017
Geoff Roberts	groberts@hrgreen.com	HRG Engineering	9/13/2017
Eric Chamberlain	echamberlain@hrgreen.com	HRG Engineering	9/13/2017
Shawn Reece	sreece@hrgreen.com	HRG Engineering	9/13/2017
Brent Krueger	bkrueger@kciconstruction.com	KCI Construction	9/13/2017
Jason Petty	jpetty@kciconstruction.com	KCI Construction	9/13/2017
Tory Moorman	tmoorman@kciconstruction.com	KCI Construction	9/13/2017
Rick Dockins	rdockins@rvwagner.com	RV Wagner	9/13/2017
Lisa Bailey	lbailey@katexcavation.com	KAT Excavation	9/13/2017
Travis Parsons	trav_parsons@yahoo.com	KCI Construction	9/13/2017
Jason Sternau	jsternau@kciconstruction.com	KCI Construction	9/13/2017
Corey Fuhning	cfuhning@kciconstruction.com	KCI Construction	9/13/2017
Sean Lentz	slentz@kciconstruction.com	KCI Construction	9/13/2017
Matt Hollingsworth	mhollingsworth@kciconstruction.com	KCI Construction	9/13/2017
JR Collins	jrcollins@collinsandhermann.com	Collins and Hermann	9/13/2017
Randall Rulo	randallrulo83@gmail.com	KCI Construction	9/13/2017
Mike Benner	mbenner2979@gmail.com	KCI Construction	9/13/2017
Ethan Renner	erenner@kciconstruction.com	KCI Construction	9/13/2017
Don Recar	drecar@kciconstruction.com	KCI Construction	9/13/2017

10/4/2017 - NE District - Troy Project Office			
Name	E-mail	Company	Training Date
Jeffrey Bradley	jbradley@massman.net	Masssman Construction	10/4/2017
Dillon Barks	dbarks@massman.net	Masssman Construction	10/4/2017
Dexter Dixon	ddixon@massman.net	Masssman Construction	10/4/2017
John Saulnier	jsaulnier@pangea-group.com	Pangea Group	10/4/2017

Appendix I – Training Certification Program

Consent Decree & Land Disturbance Training



MoDOT 2015

Training Schedule

- Consent Decree Overview
- New Stormwater Compliance Site
- General Permit Update
- Erosion/Sediment Control Overview
- Quiz

Training Rules

- **SIGN IN!**
- Cell Phones on Vibrate
- Ask Questions
- Share Lessons Learned

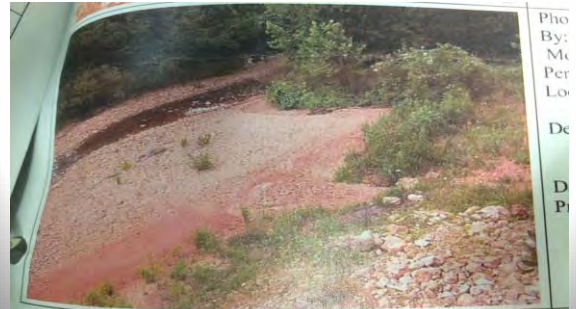
Consent Decree – What does it even mean?

- Consent Decree – “An agreement or settlement to resolve a dispute between two parties without admission of guilt (criminal) or liability (civil)”
- Frequent Occurrences:
 - Antitrust Laws
 - Employment Discrimination
 - Environmental Regulation

Consent Decree – Why MoDOT?

- Previous NOV's
- Route 67
- Route 54

Route 67 – Wayne County (2010)



Route 54 – Camden County (2010-2011)

[illegible]

Why EPA Why?

- The Clean Water Act (1972) has always had the requirements of the Consent Decree!
- Maximum Civil Penalty is \$37,500 per violation per day without administrative order
- MoDOT is “Chronic Violator”?

Why EPA Why?

- Stormwater Compliance = “National Enforcement Priority”
- Contaminated Stormwater – EPA Top national priority list
- 2009: Head of EPA “vowed” to congress that stronger action for CWA violation would be taken

Not Just DOTs!



- \$3.1 Million + National Compliance System
- \$1.3 Million + National Compliance System

United States of America vs MoDOT



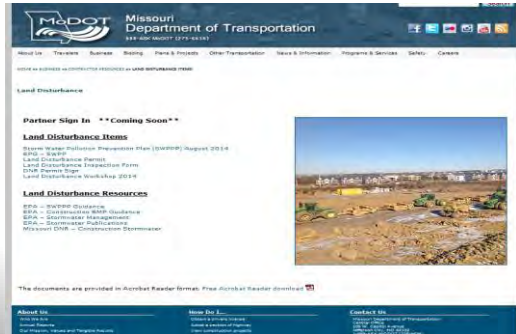
Consent Decree – MoDOT - Basics

- Any project > 1 acre on ROW SHALL comply
- Required to self report using online database
- Subjected to 15 stipulated penalties
- Duration of at least 3 years
- MoDOT Pays civil penalty of \$750,000

CD and LD Resource Center

- <http://modot.gov/ld>
- Kopinski 573-751-2790
- MoDOT District Experts

Modot.gov/LD



Decree Schedule

- 30 Day Public Notice – Completed
- July 1st – Target Date for Starting Database
- July 1st – August 1st: Documented Signed by Everyone
- 120 Days after Federal Judge Signs: Penalty Count Begins for ALL Projects!

Stipulated Penalty #1

- Designate and Maintain Stormwater Compliance and Environmental Specialist:
 - Employee of MoDOT
 - Competent
 - Develops and Updates Stormwater Training
 - Prepares Written Annual Report to EPA
 - Oversee Statewide Projects
 - Coordinates Environmentally Sensitive Areas
 - Reviews Outstanding Deficiencies Every 14 Days
 - Serves at Point of Contacts for EPA
 - Hold Authority to Issue Stop Work for Erosion Issues
 - Holds Authority to Approve Change Orders up to \$100,000

Stipulated Penalty #1

Failure to Comply:
\$1000 – Initial Violation
\$750 – Every 14 Days

Stipulated Penalty #2a

- Appoint and Maintain Environmental Inspector for Every Project (MoDOT):
 - Assigned by July 1st for Active Projects
 - Assigned Before Starting Any New Project
 - Complete This Training Before August 1
 - Attend The Land Disturbance Pre-Activity Meeting
 - Be on-site 3 Days per Week until Project Seeded
 - After Seeded Be on-site 1 Day per Week until 70% Established Vegetation
 - Perform All Weekly and Post-Runoff Inspections Reports
 - Create and Distribute Reports in New Database
 - Update Project SWPPP to Reflect Site Conditions

Stipulated Penalty #2b

- Appoint and Maintain Water Pollution Control Manager for Every Project (Contractor):
 - Be Knowledgeable with NPDES Permit
 - Be Knowledgeable with SWPPP
 - Be Knowledgeable with MoDOT's Consent Decree
 - Complete this Training by July 1st
 - Attend the Land Disturbance Pre-Activity Meeting
 - Review and Sign the Project Specific SWPPP
 - Visit Project at Least Once Per Week Until Project has Final Stabilization
 - Be Authorized by Prime to Make Decisions Regarding Erosion Control
 - Review and Sign Every Inspection Report Within 4 Days
 - Point of Contact for All Erosion Control Between Prime and Subs

Stipulated Penalty #2

Failure to Comply:
\$750 – Initial Violation
\$750 – Every 14 Days

Stipulated Penalty #3a

- Individuals Shall Properly Trained:
 - MoDOT - July 1st Deadline for Everyone
 - All REs
 - All Environmental Construction Inspectors
 - All Oversight Inspectors
 - Any Employee "Routinely" in SWPPP Development
 - All Employees with Stop Work Authority for Environmental Reasons
 - Re-Certification Every Other Year (Winter 2016)

Stipulated Penalty #3b

- Individuals Shall Properly Trained:
 - External – July 1st Deadline for Everyone
 - Projects Managers or Superintendents
 - Water Pollution Control Managers
 - Environmental Construction Inspectors
 - All Employees with Stop Work Authority for Environmental Reasons
 - Re-Certification Every Other Year (Winter 2016)

Stipulated Penalty #3

Failure to Comply:
\$750 – Initial Violation
\$750 – Every 14 Days

Stipulated Penalty #4

- Pre-Activity Land Disturbance Meeting is Required
 - Shall Occur Prior to ANY Land Disturbance
 - Held on the Physical Project Site
 - Record Meeting Minutes – Save to V Drive or SharePoint
 - All Parties Shall be at On-Site Meeting:
 - MoDOT RE
 - MoDOT Inspector
 - Contractor Project Manager
 - Contractor WPCM
 - All Primes and Subs Project Managers Taking Part in Land Disturbance and/or Erosion Control Activities

Stipulated Penalty #4

Failure to Comply:
\$750 – Initial Violation
\$250 – Every Day After

Stipulated Penalty #5

- Inspection Protocol Needs to be Created
 - Before July 1st Kopinski Shall Create “New” Inspection Protocol
 - Everyone Shall be Provided a Copy of Protocol
 - Inspections Occur Every Week or After Runoff Event
 - All BMP Need to be Checked During an Inspection
 - All Outfalls Checked 50 Feet Downstream
 - Inspections Entered Within Time Requirements
 - REs and WPCM Need to Approve within Requirements
 - Check www.modot.gov/ld for Protocol

Stipulated Penalty #5

Failure to Comply:
\$750 – Per Day

Stipulated Penalty #6

- Weekly Inspections and Run-off Inspections Shall Be **Performed** Per the Consent Decree
 - Inspectors Shall Document Any and All Deficiencies
 - Document Date Each Deficiency is Addressed
 - List Any Deficiency Not Corrected on Previous Inspection
 - “Signed” By Person Performing Inspection
 - By Signing Agreeing Project SWPPP is Up-to-Date
 - RE and WPCM (Contractor) Need to “Sign” Within 3 Days

Stipulated Penalty #6

Failure to Comply:

\$500 – Initial Missed Inspection

\$100 – Per Day Until Performed

Stipulated Penalty #7

- Weekly Inspections and Run-off Inspections Shall Be **Documented** Per the Consent Decree
 - 24 Hours to Enter Reports if you have Wireless Internet
 - 48 Hours to Enter Reports if No Wireless Internet
 - “Day” = Calendar Day
 - If and Only If Last Day Falls on Saturday, Sunday or Federal Holiday Allowed Until Next Business Day

Stipulated Penalty #7

Failure to Comply:

\$100 per Day

Stipulated Penalty #8

- The RE from MoDOT and the WPCM from the Contractor Shall “Sign” Inspections
 - The RE has 3 Days to “Sign” Each Inspection Report
 - The WPCM has 3 Days to “Sign” Each Inspection Report

Stipulated Penalty #8

**Failure to Comply:
\$250 per Report**

Stipulated Penalty #9

- Environmentally Oversight Inspections, When Required Shall Be Performed Per the Consent Decree
 - If in a Environmentally Sensitive Area
 - If Project is > 5 Acres of Disturbance
 - Oversight Inspections Shall be Performed Every 90 Days

Stipulated Penalty #9

**Failure to Comply:
\$1000 per Initial Violation
\$250 per Day Until Performed**

Stipulated Penalty #10

- Any Violation of the Statewide Land Disturbance Permit OR SWPPP Requirement
 - Our Self Reporting System does NOT Record Any of These
 - Example: Diamond Grinding and Discharging into Creek or Inlet
 - Example #2: No Dewatering Plan and Pumping into River

Stipulated Penalty #10

Failure to Comply:

- **\$1000 Per Initial Violation**
- **\$2500 for Days 11-20**
- **\$3500 for Days 21+**

Stipulated Penalty #11

- Failure to Correct ANY Deficiency on an Inspection
 - Any Deficient or Failed BMP Must Be Corrected Within 7 Days

Stipulated Penalty #11

Failure to Comply:

- \$1000 per Deficiency Day 1-10**
- \$2500 for Days 11-20**
- \$3500 for Days 21+**

Stipulated Penalty #11

BMP Discussion!

Stipulated Penalty #12

- Failure to Enter an Item into the Database
 - Inspectors Shall Enter Every Deficiencies into Database
 - Provide Location
 - Provide Description
 - Provide Type of BMP

Stipulated Penalty #12

**Failure to Comply:
\$200 per Day per Deficiency**

Stipulated Penalty #13

- Failure of RE or Kopinski to Perform Compliance Review
 - REs: Every 7 Days
 - Kopinski: Every 14 Days
 - E-mail Reminders are in Place if you are Assigned to Project

Stipulated Penalty #13

**Failure to Comply:
\$200 per Day**

Stipulated Penalty #14

- Failure to Submit a Spill Report
 - Anytime the Spill or Emergency Reporting Provision of our Permit is Triggered
 - 3 Days to Submit Written Report to EPA
 - Current Permit: Hazardous Substance or Soil Contamination Discovered or Oil Spill
 - New Permit: DNR/EPA Requesting More Effort
 - Look for Additional Guidance on www.modot.gov/ld

Stipulated Penalty #14

Failure to Comply:
\$750 per Report Initial Violation
\$750 Every 14 Days

Stipulated Penalty #15

- Any Other Violation of the Decree Not Specified
 - Catch All for if EPA Visits/Audits Projects

Stipulated Penalty #15

Failure to Comply:
\$100 per Violation per Day

Questions – Stipulated Penalties



Break Time!



Any Questions Over Penalties



Other Consent Decree Items

- Documentation
- Land Disturbance Pre-Activity Meetings
- Environmentally Sensitive Areas
- On-Site Visits

Documentation

- Must Keep All Documents until 3 Years After Decree is Terminated (October 2018 or longer)
- We Need to Provide EPA/DNR Any Requested Information
- Start Taking More Pictures!

After Picture



After Picture



Before Picture



Pre-Activity Meeting

- Pre-Activity Land Disturbance Meeting is Required
 - Shall Occur Prior to ANY Land Disturbance
 - Held on the Physical Project Site
 - Record Meeting Minutes – Save to V Drive or SharePoint
 - All Parties Shall be at On-Site Meeting:
 - MoDOT RE
 - MoDOT Inspector
 - Contractor Project Manager
 - Contractor WPCM
 - All Primes and Subs Project Managers Taking Part in Land Disturbance and/or Erosion Control Activities
- If Needed Hold Another Meeting!

Environmentally Sensitive Areas



Environmentally Sensitive Areas

- Additional inspections if > 5 Acres
- 5 Acres < X < 25 Acres Same District
- 25 Acres < X < 300 Acres Another District
- X > 300 Acres Central Office

Environmentally Sensitive Areas

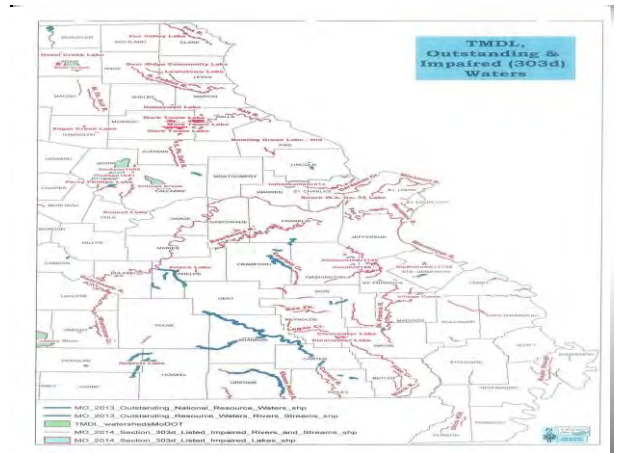
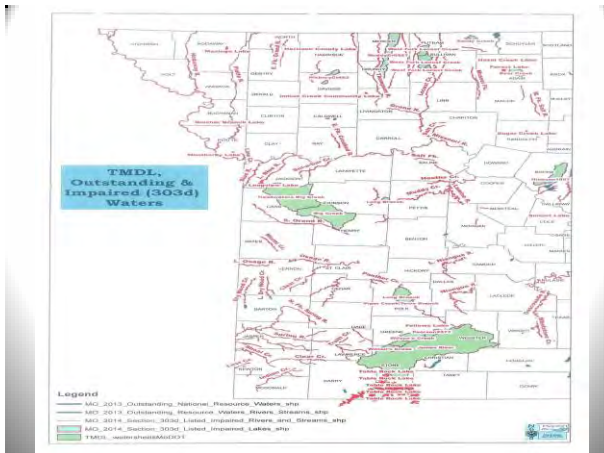
- Any area which would be directly impacted by Stormwater discharges:
 1. Federally Listed Threatened or Endangered Species
 2. Sediment Impaired Body of Water (303d)

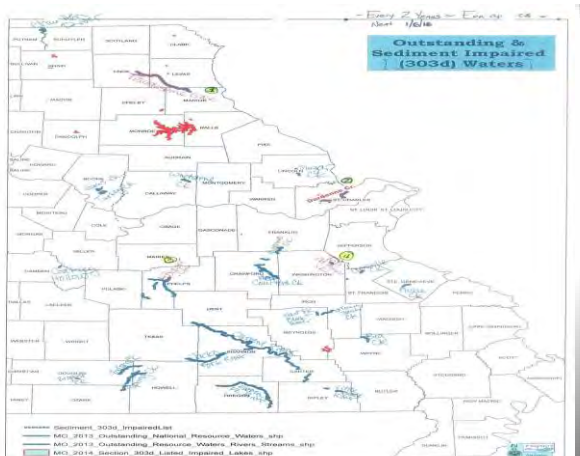
1. Federally Listed Threatened or Endangered Species

- Only 5 “Critical Habits” Caves/Counties where Indian Bats are Designated
- USFWS Identifies Species and MoDOT Working to Ensure Every Project is Covered

2. Impaired Body of Water (303d)

- Issued every 2 years by DNR and approved by EPA
- Expect next update to be out soon for January 2016





303D – Systems Works



On-Site Project Visits - Quiz

- MoDOT Inspectors Shall Visit?
 - At least 3 days per week!
- MoDOT RE Shall Visit?
 - At least once per every 30 Days!
- Contractor's WPCM Shall Visit?
 - At least once per week!
- When does everyone need to stop visiting?
 - When Project has Achieved Final Stabilization!

Consent Decree Projects

- Any project > 1 acre on ROW SHALL comply
 - MoDOT Project with IP – YES
 - Design Build - YES
 - Maintenance Projects - YES
 - Permit Projects - YES
 - LPA Project - YES
 - Utilities Project – YES

Database Time ☺

The screenshot shows the Site Manager web application. At the top, there's a navigation bar with links like 'Home', 'About Us', 'Contact Us', 'Site Manager', 'Help', and 'Log out'. Below the navigation bar, there's a section titled 'Quick Start Project Database' with a search bar and a 'Go' button. The main content area displays a table of project data with columns: Project Number, Contract #, Site Name, Location, Status, Location, Open Area, Available Area, and Available Area.

Project Number	Contract #	Site Name	Location	Status	Location	Open Area	Available Area	Available Area
1001001	1001001	1001001	1001001	1001001	1001001	1001001	1001001	1001001
1001002	1001002	1001002	1001002	1001002	1001002	1001002	1001002	1001002
1001003	1001003	1001003	1001003	1001003	1001003	1001003	1001003	1001003
1001004	1001004	1001004	1001004	1001004	1001004	1001004	1001004	1001004
1001005	1001005	1001005	1001005	1001005	1001005	1001005	1001005	1001005
1001006	1001006	1001006	1001006	1001006	1001006	1001006	1001006	1001006
1001007	1001007	1001007	1001007	1001007	1001007	1001007	1001007	1001007
1001008	1001008	1001008	1001008	1001008	1001008	1001008	1001008	1001008
1001009	1001009	1001009	1001009	1001009	1001009	1001009	1001009	1001009
1001010	1001010	1001010	1001010	1001010	1001010	1001010	1001010	1001010

Database

- Developed by MoDOT for MoDOT
- This is NOT SiteManager
- Daily E-mail at 7am
- Improvements: Wants vs Needs
- Any Outages Call Kopinski



How are Projects Pulled Into System?

- Only Pulled into System if Authorized Acres > 1
- If Project Needs Pulled in Immediately Call
- Once Disturbed > 1 Acres = Penalties Begin

Challenge #1

- Everyone needs to Update in SiteManger
- QRG on how to Update Acreage
- Lets check out the QRG – WWW.GOOGLE.COM

Challenge #2

- What about All the Other Projects!!
- Currently Working with IS to Develop
- Let me Know if your Project Needs in the System

What does Database NOT do?

- Project Specific SWPPP
- Red Line Drawings to Plan Sheets
- Keep Inspection Reports

Every MoDOT project with one or more acres of total land disturbance must complete the following project-specific site information and retain it as part of the SWPPP. See Figure 806.8.2 for an example of how to complete this form.

MISSOURI DEPARTMENT OF TRANSPORTATION Form 806.8.2 Project-Specific SWPPP Information

Project Number: _____ County: _____ Route: _____

Project Description: _____

Estimated Project Start Date: _____

Estimated Project Completion Date: _____

RE Name: _____

Erosion and Sediment Control Inspector(s) Name(s): _____

Primary Contractor(s) Name(s): _____

Erosion and Sediment Control Contractor(s) Name(s): _____

Swed and Mulch Contractor(s) Name(s): _____

Total Anticipated Disturbed Acreage for the Project: _____

Primary Receiving Water(s) for the Project: _____

Location of Public Notification Sign(s) (Note: Must be Viewable to the Public): _____

Additional Project Notes: _____

404(b) Permit Required/Obtained for this Project? ☒ Yes ☐ No

Attach a map or maps depicting the project location/alignment with enough detail to show waters of the United States within 1 mile of the project.

MISSOURI DEPARTMENT OF TRANSPORTATION LAND DISTURBANCE INSPECTION RECORD

Project Number: JSP2187 District: CO
Route: 7 County: CAMDEN
Location: Iron Jet Rd. to Signing Area on Sunrise Beach
Inspection ID: 85 Inspection Type: First Runoff
Inspector Certified Date: 04/13/2015 - sponsor: RE Certified Date: 04/14/2015 - sponsor: 4
WPCW Certified Date: Not Certified
Inspector: SAMOAH, RICHY
Inspection Date: 04/13/2015 Date Entered: 04/13/2015
Acre(s) Open: 3 Acres Disturbed: 3
Precipitation Inches: 0.50 Precipitation Duration: 24 Hours, 0 Minutes

Land Disturbance Inspection Checklist

Current and updated SWPPP/site map on site when the erosion & sediment control inspector is on site and a copy given to the contractor? ☒ Yes
Permit public notification sign(s) posted and visible to the public? ☒ Yes
Are all erosion and sediment control BMPs properly installed, maintained, functioning as intended according to the SWPPP and depicted on the site map? If "No", describe each deficiency. ☒ Yes
Are BMPs in place to protect streams, wetlands and other environmentally sensitive areas from potential? If not, describe each deficiency. ☒ Yes
Is silt/fuel controlled at project entrance/exit points? If not, describe each deficiency. ☒ Yes
Are active construction areas susceptible to receiving sediment properly protected? If not, describe each deficiency. ☒ Yes
Are dewatering operations taking place on the project? ☒ No
Does the project have a dewatering plan? (Required by permit if dewatering operations occurring.) ☒ No
Are dewatering operations effectively removing sediments from the water? ☒ No
Are filter, construction debris, fuels, lubricants and other construction chemicals controlled? If not, describe each deficiency. ☒ Yes
Have all temporary BMPs that are no longer necessary been removed and removal depicted on the site map? ☒ No
Have all outfalls been observed for evidence of erosion and/or sediment discharges? If not, provide an explanation of which outfalls were observed and why others were not. Document the condition of the outfalls and if any corrective actions and/or additional BMPs are needed. ☒ Yes
After observing the receiving stream(s) for 30 feet downstream of the outfall(s), was outfall protection adequate? ☒ Yes

General Inspection Questions

Describe areas where land disturbance activities have temporarily or permanently ceased. (Excluding weather shutdowns). Describe how these areas have been or will be stabilized. ☒ Yes
Provide a brief description of the current project status with regard to erosion and sediment control and the effectiveness of BMPs. ☒ Yes
Too wet for precipitation. ☒ Yes

Let Go Live



Consent Decree – Contract Administration

- Construction Projects – New JSP
- Permits – Working to Add Language to Permits
- LPA – Incorporate into JSP
- Cost Shares – Need to Write it into Agreements
- Utilities – Good Luck (Permits, MUAs, etc)

Consent Decree – Off MoDOT ROW

Any Location off of MoDOT ROW needs to obtain their own Permit!!!

- Contractor's Borrow Site
- Contractor's Storage Site
- LPA Projects
- Permit Project

Contract Administration – Best Practices

- Keep All Project Under 1 Acre of Disturbance if at All Possible

When We Do Break 1 Acre Set Up Good Erosion Control in Design Such that Life Will be Easier Implementing

- Be Sure BMPs are Best Selection and Properly Installed!

Break



<https://www.youtube.com/watch?v=A3yYN5N8wkM>

Land Disturbance Training



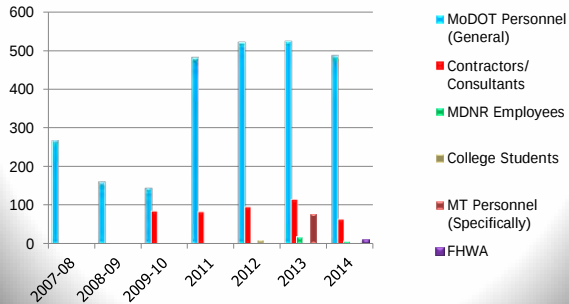
Why is Land Disturbance Important

- Erosion and Sediment loss leads to poor water quality
- Public Expectations
- It is the Law
- Fines and Penalties can and will be imposed

Education and Awareness

- Everyone needs to do their part
- To make this happen we need to train and educate everyone
- Make the effort to stay knowledgeable. Keep up with changes!
- Contractors and other Departments are Looking for YOUR Leadership!

MoDOT's Training History



Land Disturbance Regulation History

- 1972 Clean Water Act
 - Permit Required to Discharge
 - Missouri – Missouri State Operating Permit
 - National System – National Pollutant Discharge Elimination System (NPDES)
- Point Sources (72) Non-Point Sources (87)
- Phase II Effect > 1 Acre

Permit – Prohibited Acts



Permit – Prohibited Acts

- To Exceed General or Specific Water Quality Criteria
 - Free from: Oil, Scum, Floating Debris, Unsanitary Turbidity, Harmful Effect on Human or Aquatic Life



Permit – Prohibited Acts

- To Exceed Permit Limits
 - 2.5 ml/L/hr for Settleable Solids

October 2, 2014 1:03pm



October 2, 2014 2:38pm



Imhoff Cone Test

E. SAMPLING REQUIREMENTS AND EFFLUENT LIMITATIONS

1. Settleable Solids discharging from a stormwater outfall shall not exceed 2.5 ml/L per Standard Method 2540 F for storm events up to but not exceeding the local 2-year, 24-hour storm. The Settleable Solids limit does not apply during storm events that exceed the local 2-year, 24-hour storm.
2. The Department may require sampling and reporting as a result of illegal discharges, compliance issues, complaint investigations, or other such evidence of contamination from activities at the site. If such an action is needed, the Department will specify in writing any sampling requirements, including such information as location, extent and parameters.

Disturbed Areas

- **Erodible Areas – Areas Exposed or Inadequately Protected Soil or Surface**
- **Disturbed Areas – Areas that Have Not Reached Final Stabilization in Accordance with the Permit**
- **For Example Seed and Mulch may Make your Area Non-Erodible, but still Disturbed Until 70% Vegetative Cover is Established!**

Inspections

- Inspection Ever 7 Days
- Runoff Event Needs to be Performed within 48 Hours
- Step by Step Guide as you Fill Out

[illegible]

Inspection Report Log

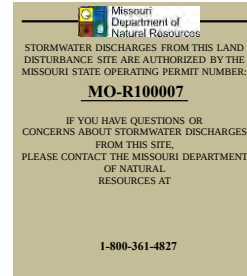
[illegible]

Inspection

- Inspect Receiving Streams and Make Adjustments
- Permit Says Look 50' Downstream of Last BMP
- Take Pictures!



Public Notification



Storm Water Pollution Prevention Plan (SWPPP)

- Each Site Shall Have One
- Prepared Before Dirt is Moved
- Dynamic – Changes with Project
- Document All Changes – Written and Plans
- Includes Weekly Inspections – Every 7 Days
- Includes Post-Runoff Inspections – In 48 Hours
- Includes BMP Maintenance Plan (Construction)
- Includes Removal of BMPs and Restoration

Storm Water Pollution Prevention Plan (SWPPP) – Site Specific

MISSOURI DEPARTMENT OF TRANSPORTATION
Project Specific SWPPP Information

Project Number	20012502	County	Polk	Route	81
----------------	----------	--------	------	-------	----

Project Description: Complete project to include full road (1/4 mile) and new RCH (1/4 mile) to be constructed as part of this project.

Estimated Project Start Date: March 20, 2011

Estimated Project Completion Date: April 20, 2011

BE Name: Michael J. Johnson

Erosion and Sediment Control Inspector(s) Name(s): Chris Martin, Travis Smith, Summer Davis

Primary Contractor(s) Name(s): Paul Nier Public Inc.

Erosion and Sediment Control Contractor(s) Name(s): Technical Systems Environmental

Seed and Match Contractor(s) Name(s): McClintock, Inc.

Total Anticipated Disturbed Acreage for the Project: 10 acres

Primary Receiving Stream(s) for the Project: Rowland, River, West Creek, Indian, Branch

Location of Public Notification Sign(s) (Note: Must be Viewable to the Public): at entrance of this Road

Additional Project Notes: This project is the second of two phases to construct this corridor.

404 (b) Permit Required Obtained for this Project? ☒ Yes ☐ No

Attach a map depicting the project location/segment with enough detail to show waters of the United States within 1 mile of the project.

Lessons Learned – SWPPP Violations

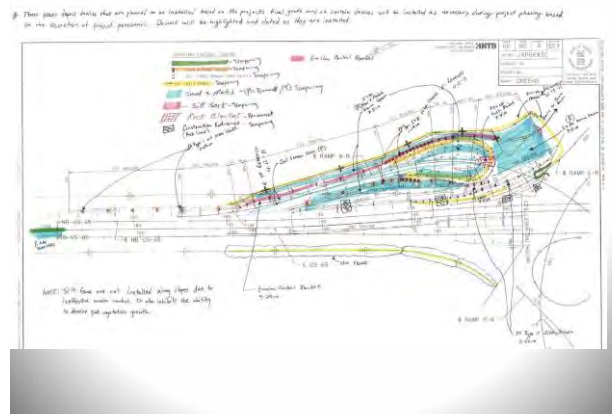
- “Failure to Develop” an adequate SWPPP
- “Failure to Properly Implement” an adequate SWPPP
- “Failure to Update or Amend” the SWPPP
- “Failure to Properly Operate & Maintain BMPs” in Accordance with the SWPPP
- Historically Focused on SWPPP for Enforcement.
- MoDOT Must Improve in this Area!

SWPPP – Site Maps

- Identify Site Boundaries and Outfall Locations
- Directions of Stormwater Flow and Approximate Slopes After Grading Activities
- Areas of Soil Disturbance and Areas Not to be Disturbed
- Locations of Major Structural and Non-Structural BMPs
- Locations of Stabilization Expected
- Locations of Waste, Borrow, or Stored Dirt
- Locations of All Waters of the US
- Locations of Stormwater Discharge to Surface Water
- Areas of Final Stabilization

Site Map – Information Needed

- Structural BMPs (More Info in Next Slides)
- Non-Structural BMPs (More Info in Next Slides)
- Where BMP is to be Located
- When BMP was Installed and Removed
- Operation and Maintenance Procedure
- Installation and Construction Procedures
- Conditions Necessary for BMP Effectiveness



BMP Guidance/Review



Limit Clearing if Possible

- Factors that Should be Considered
 - Site Conditions
 - Resources of the Contractor
 - Contractor's Plan for E&S
 - Response to Deficiencies
 - Contractor's History of Compliance

Vegetation Buffer

- Mark Out Buffer & Preservation Areas Prior to Disturbance
- Great Topic for the Pre-Activity Meeting



Grass BMP = Good



Disturbed Area – Temporary Stabilization

- “Steep Slopes” have Stricter Requirements
 - Greater than 3:1 Slopes
 - Greater than 150 in Length
- Within 7 Days of Ceasing Operations
- “Normal Slopes” 14 Days of Ceasing Operations
- Push to Cover Up Areas ASAP!

Do Not Delay, Seed and Mulch Today!



Disturbed Areas – Final Stabilization

- Final Stabilization Shall be Initiated Immediately after Activities Have Ceased
- 7 Day Window to Begin Stabilization, However Must be Documented
- 7 Day Exemption Allows for Weather or Equipment Issues

Final Stabilization - Seed



Vulnerable Slopes



Erosion Control Blankets



Fiber Reinforce Matrix & Flexible Growth Medium



Channel Slope Armoring



Ditch Checks

- One of the Most Visible Items on a Project
- Toe to Top Installation
- Extend Across Entire Ditch. Now Paid by LF
- Pick Type Based on Drainage Area and Expected Flow Volumes/Velocities

Ditch Checks

Ditch Checks – For CONCENTRATED Flow
(Evaluate Carefully For Conditions)

Rock Ditch Check (New – 18" Eff. Hght)

Alternate Ditch Checks (New – 9" Eff. Hght)

- Tri-Dikes
- Socks/Logs
- Compost or Mulch with ECB Covering
- Sandbags
- Etc.



Triangular Silt Dike



Triangular Silt Dike



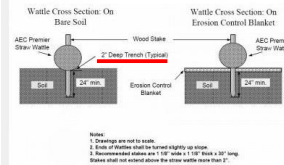
Wattles/Socks/Logs



Wattles/Socks/Logs

How are Contour Straw Wattles Installed?

- » Layout a contour line on the slope with a hand level and wire flag.
- » Dig a shallow depression (about 2 to 3 inches deep) and lay the wattle into it.
- » Drive a 1x2 or 2x2 wooden stake through the center of the wattle at least 6 inches into the ground, stopping about two inches above the wattle.
- » Put 5 stakes in each wattle, installing them end to end in the trench.
- » Seat the wattle with foot tamped backfill on the upstream side such that water flowing down the slope will not run under it.



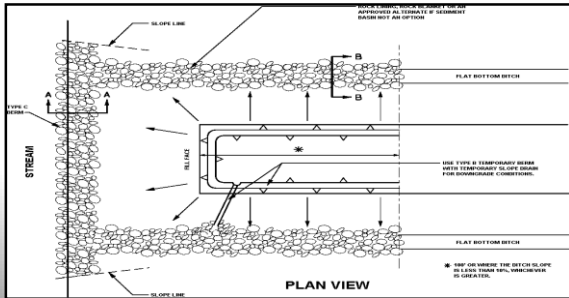
Temporary Stream Crossings

- 404 Permit Allows MoDOT to use Crossings
- Sized Sufficiently – Don't Want to Create Backwater in 2 Year 24 Hour Storm Event
- Fill Shall be Clean Rock

Temporary Stream Crossing



Type C Berm - Bridges



Area of Improvement - Dewatering

- Think Pump = Plan
- Need Documented Plan
- Include Anticipate Volumes and Flows



Concrete Washout

- Concrete Washout and Diamond Grinding Shall be Controlled
- Do NOT Allow Either to Reach Groundwater



Flocculants

- Flocculants can Help Drop the Colloids Out of Suspension and Decrease Turbidity
- Goes Above and Beyond What is Required!



Soil Amendments (Pilot Project?)

- Preserve Topsoil for Reuse when Possible
- In Areas of Poor Soils, This may be Necessary to Get Needed Growth



-

Sediment Basins

The image consists of two side-by-side photographs. The left photograph shows a muddy, sediment-filled area, likely a sediment basin, with a black containment barrier in the background and trees. The right photograph shows a large, steep, light-colored sediment embankment next to a body of water, with a small stone-lined channel in the foreground.

Sediment Traps



The left photograph shows a natural sediment trap in a grassy field. A pile of light-colored rocks is visible in the foreground, and a line of trees is in the background. The right photograph shows a constructed sediment trap. It features a rectangular stone wall and a gravel bed. A yellow date stamp '07/26/2008' is visible in the bottom right corner of the right image.



High Risk - Entrances



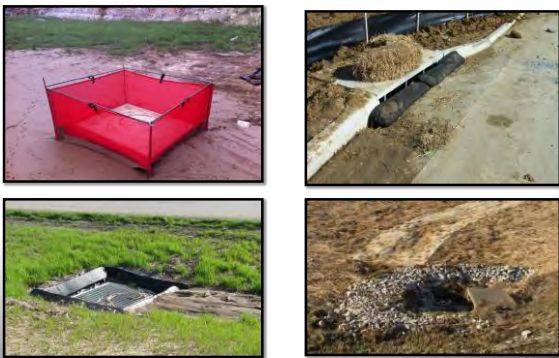
Lesson Learned - Inlets



Lesson Learned - Inlets



Inlet Protection



Silt Fence

- Highly Visible
- Over-Installed at Point Flow Perimeter Locations
- Designed for Sheet Flow





Avoid/Limit - In Stream BMPs



Mulch – Perimeter Control



BMP Inspect & Maintain

- All Devices Shall be Maintain for All Devices Until Final Stabilization
- Any BMP Should be Cleaned Out When They Reach 50% Full
- Keep Site Looking Clean and Neat!

BMP Inspect & Maintain

- All BMPs Shall be Maintained throughout Project
 - If Half Full, Clean It
 - If Broke, Fix It
 - If Leaks, Plug It
 - If No Longer Needed, Remove It



Temporary BMPs Removal

- Any BMP that is not Biodegradable Needs to be Removed
- Remove Temporary BMP when area has Established Growth
- Don't Remove until YOU are Comfortable



Last Chance for Questions



Appendix J – Recertification Training Summary

Recertificaiton Training Summary			
Date	Day	Location	No.
1/31/17	Tuesday	NW District - NW Conference Center	83
		NE District - Mississippi River Rm	81
		KC District - Conf. Rooms 136E & 136W	68
		CD District - Murri Room	64
		SL District - Conf. Rm 156, 207, 310, & CMA	76
		SW District - Conf. Room 2, Springfield AE	61
		SE District - SE Dist. Conf. Room	66
2/14/17	Tuesday	NW District - NW Conference Center	15
		NE District - Mississippi River Rm	40
		KC District - Conf. Rooms 136E & 136W	22
		CD District -Materials Lab 201E	20
		SL District - Conf. Rm 207	39
		SW District - Conf. Room 1	27
		SE District - SE Dist. Conf. Room	10
3/16/17	Thursday	NW District - NW Conference Center	17
		NE District - Mississippi River Rm	21
		KC District - Conf. Rooms 136E & 136W	17
		CD District - Murri Room	26
		SL District - Conf. Rm 207	20
		SW District - Conf. Room 2	41
		SE District - SE Dist. Conf. Room	13
4/11/17	Tuesday	NW District - NW Conference Center	17
		NE District - Mississippi River Rm	14
		KC District - Conf. Rooms 136E & 136W	39
		CD District - Murri Room	24
		SL District - Conf. Rm 207	32
		SW District - Conf. Room 2	34
		SE District - SE Dist. Conf. Room	6
5/4/17	Thursday	NW District - NW Conference Center	3
		NE District - Mississippi River Rm	1
		KC District - Conf. Rooms 236	4
		SL District - Conf. Rm 156, 207, 310, & CMA	9
		SW District -SW Garage Conf. Rm, Clinton, Brans	5
		SE District - Willow Springs	6
5/11/17	Thursday	NE Dsitric - Macon Area Office	2
5/12/17	Friday	SL District - Design Conf. Room	2
		Central Office - Environmental OF	1
7/28/17	Friday	NW District - NW Conference Center	1
		Central Office - ISD 2	2
		SW District Sprigfield AE	1
11/21/17	Tuesday	Central Office - Environmental OF	1
12/5/17	Tuesday	Willow, & Park Hills CO	60
			1091

Appendix K – Recertification Training Certification MoDOT

LQú\$Q1P Recertificaiton Training			
Date	Day	Location	No.
1/31/17	Tuesday	NW District - NW Conference Center	79
		NE District - Mississippi River Rm	69
		KC District - Conf. Rooms 136E & 136W	40
		CD District - Murri Room	45
		SL District - Conf. Rm 156, 207, 310, & CMA	64
		SW District - Conf. Room 2, Springfield AE	40
		SE District - SE Dist. Conf. Room	47
2/14/17	Tuesday	NW District - NW Conference Center	12
		NE District - Mississippi River Rm	31
		KC District - Conf. Rooms 136E & 136W	14
		CD District -Materials Lab 201E	16
		SL District - Conf. Rm 207	25
		SW District - Conf. Room 1	20
		SE District - SE Dist. Conf. Room	4
3/16/17	Thursday	NW District - NW Conference Center	15
		NE District - Mississippi River Rm	21
		KC District - Conf. Rooms 136E & 136W	13
		CD District - Murri Room	19
		SL District - Conf. Rm 207	13
		SW District - Conf. Room 2	39
		SE District - SE Dist. Conf. Room	9
4/11/17	Tuesday	NW District - NW Conference Center	15
		NE District - Mississippi River Rm	14
		KC District - Conf. Rooms 136E & 136W	36
		CD District - Murri Room	18
		SL District - Conf. Rm 207	26
		SW District - Conf. Room 2	32
		SE District - SE Dist. Conf. Room	5
5/4/17	Thursday	NW District - NW Conference Center	3
		NE District - Mississippi River Rm	1
		KC District - Conf. Rooms 236	3
		SL District - Conf. Rm 156, 207, 310, & CMA	9
		SW District -SW Garage Conf. Rm, Clinton, Brans	4
		SE District - Willow Springs	6
5/11/17	Thursday	NE Dsitric - Macon Area Office	2
5/12/17	Friday	SL District - Design Conf. Room	2
		Central Office - Environmental OF	1
7/28/17	Friday	NW District - NW Conference Center	1
		Central Office - ISD 2	1
12/5/17	Tuesday	Willow, & Park Hills CO	60
			874

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Elquin Auala	elquin.auala@modot.mo.gov	SE	5/4/2017
Curt Woolsey	curtis.woolsey@modot.mo.gov	SE	5/4/2017
Melanie Rickard-Elmore	melanie.rickard-elmore@modot.mo.gov	SE	5/4/2017
Michael Harris	michael.harris@modot.mo.gov	SE	5/4/2017

5/11/2017 -NE Trainig Site - District			
Name	E-mail	Distirct	Training Date
Keith Killen	keith.killen@modot.mo.gov	NE	5/11/2017
Brandi Baldwin	brandi.baldwin@modot.mo.gov	NE	5/11/2017

5/12/2017 -SL Trainig Site - District			
Name	E-mail	Distirct	Training Date
Mike Blattner	michael.blattner@modot.mo.gov	SL	5/12/2017
Lee Hillner	lee.hillner@modot.mo.gov	SL	5/12/2017

05/12/2017 - CO Training - Environmental Office			
Name	E-mail	Distirct	Training Date
Randy Aulbur	Randall.aulbur@modot.mo.gov	CD	5/12/2017

7/28/2017 - CO Training - NW Distirct			
Name	E-mail	Distirct	Training Date
Michael Marriott	michael.marriott@modot.mo.gov	NW	7/28/2017

8/07/2017 - CO Training - ISD2			
Name	E-mail	Distirct	Training Date
David Powell	david.powell@modot.mo.gov	NE	8/7/2017

12/5/2016 - SE Training - VC - Poplar Bluff, Sikeston, Jackson			
Name	E-mail	District	Training Date
Michael Frazier	michael.frazier@modot.mo.gov	SE	12/5/2017
Joe Jones	joe.jones@modot.mo.gov	SE	12/5/2017
James Barnes	james.t.barnes@modot.mo.gov	SE	12/5/2017
Danny James	danny.james@modot.mo.gov	SE	12/5/2017
Nathan Orf	nathan.orf@modot.mo.gov	SE	12/5/2017
Jeff Amelunke	jeffrey.amelunke@modot.mo.gov	SE	12/5/2017
Jeff Mabury	jeffrey.mabury@modot.mo.gov	SE	12/5/2017
JJ Lemmon	joe.lemmonjr@modot.mo.gov	SE	12/5/2017
Fred Drury	freddie.druryjr@modot.mo.gov	SE	12/5/2017
Patrica Pogue	patricia.pogue@modot.mo.gov	SE	12/5/2017
Keith Elliott	keith.elliott@modot.mo.gov	SE	12/5/2017
Darrell Emery	darrell.emery@modot.mo.gov	SE	12/5/2017
Justin Hills	justin.hills@modot.mo.gov	SE	12/5/2017
Gary Copeland	gary.copeland@modot.mo.gov	SE	12/5/2017
Danny Sisson	thomas.sisson@modot.mo.gov	SE	12/5/2017
Jeff Jarrell	jeffrey.jarrell@modot.mo.gov	SE	12/5/2017

12/5/2016 - SE Training - VC - Poplar Bluff, Sikeston, Jackson Cont.			
Name	E-mail	District	Training Date
Dennis Day	dennis.day@modot.mo.gov	SE	12/5/2017
Dale Wright	dale.wright@modot.mo.gov	SE	12/5/2017
Joeseeph Boggs	joseph.boggs@modot.mo.gov	SE	12/5/2017
Shannon Chidester	shannon.chidester@modot.mo.gov	SE	12/5/2017
Dustin Mittag	dustin.mittag@modot.mo.gov	SE	12/5/2017
Marvin Gillespie	marvin.gillespie@modot.mo.gov	SE	12/5/2017
Ronald Cook	ronald.cook@modot.mo.gov	SE	12/5/2017
Joseph Mullen	joseph.mullen@modot.mo.gov	SE	12/5/2017
Kevin Davidson	kevin.davidson@modot.mo.gov	SE	12/5/2017
James Bradford	james.bradford@modot.mo.gov	SE	12/5/2017
Wm David Ledgerwood	william.ledgerwood@modot.mo.gov	SE	12/5/2017
Jesse Earls	jesse.earls@modot.mo.gov	SE	12/5/2017
James Allen	james.allen@modot.mo.gov	SE	12/5/2017
Shawn Shipley	christopher.shipley@modot.mo.gov	SE	12/5/2017
Glendon Burris	glendon.burris@modot.mo.gov	SE	12/5/2017
Rich Elijah	richard.elijah@modot.mo.gov	SE	12/5/2017
Terry Walker	terry.walker@modot.mo.gov	SE	12/5/2017
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Donald Edgar	donald.edgar@modot.mo.gov	SE	12/5/2017
Shawn Lalumondiere	shawn.lalumondiere@modot.mo.gov	SE	12/5/2017
Richard Russell	richard.russell@modot.mo.gov	SE	12/5/2017
Nathna Hunt	nathan.hunt@modot.mo.gov	SE	12/5/2017
Rodney Yost	rodney.yost@modot.mo.gov	SE	12/5/2017
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Stan Johnson	stanley.johnson@modot.mo.gov	SE	12/5/2017
Jeff Johnson	jeffrey.johnson@modot.mo.gov	SE	12/5/2017
Daniel Lacy	daniel.lacy@modot.mo.gov	SE	12/5/2017
Zach Lee	Zachary.lee@modot.mo.gov	SE	12/5/2017
Christopher Ellis	christopher.ellis@modot.mo.gov	SE	12/5/2017
Nicole Gharbawi	Nicole.gharbawi@modot.mo.gov	SE	12/5/2017
Jeff Libel	jeffrey.Leible@modot.mo.gov	SE	12/5/2017
josh Wessel	Joshua.Wessel@modot.mo.gov	SE	12/5/2017
Harold Eads	harold.eads@modot.mo.gov	SE	12/5/2017
Gregg Miller	Gregg.miller@modot.mo.gov	SE	12/5/2017
Kyle Johnson	Kyle.Johnson@modot.mo.gov	SE	12/5/2017
Charles McFadden	Charles.McFadden@modot.mo.gov	SE	12/5/2017
Jason Estes	Jason.Estes@modot.mo.gov	SE	12/5/2017
jeffrey Allen	jeffrey.allen@modot.mo.gov	SE	12/5/2017
Steve Rightnowar	Steven.Righnowar@modot.mo.gov	SE	12/5/2017
Ryan Miller	Ryan.Miller@modot.mo.gov	SE	12/5/2017
Wayne Shaver	Wayne.Schaver@modot.mo.gov	SE	12/6/2017
Matt Seiler	matthew.seiler@modot.mo.gov	SE	12/5/2017

Appendix L – Recertification Training Certification WPCM

9b50Q1P Recertificaiton Training			
Date	Day	Location	No.
1/31/17	Tuesday	NW District - NW Conference Center	4
		NE District - Mississippi River Rm	12
		KC District - Conf. Rooms 136E & 136W	28
		CD District - Murri Room	19
		SL District - Conf. Rm 156, 207, 310, & CMA	12
		SW District - Conf. Room 2, Springfield AE	21
		SE District - SE Dist. Conf. Room	19
2/14/17	Tuesday	NW District - NW Conference Center	3
		NE District - Mississippi River Rm	9
		KC District - Conf. Rooms 136E & 136W	8
		CD District -Materials Lab 201E	4
		SL District - Conf. Rm 207	14
		SW District - Conf. Room 1	7
		SE District - SE Dist. Conf. Room	6
3/16/17	Thursday	NW District - NW Conference Center	2
		KC District - Conf. Rooms 136E & 136W	4
		CD District - Murri Room	7
		SL District - Conf. Rm 207	7
		SW District - Conf. Room 2	2
		SE District - SE Dist. Conf. Room	4
4/11/17	Tuesday	NW District - NW Conference Center	2
		KC District - Conf. Rooms 136E & 136W	3
		CD District - Murri Room	6
		SL District - Conf. Rm 207	6
		SW District - Conf. Room 2	2
		SE District - SE Dist. Conf. Room	1
5/4/17	Thursday	SW District -SW Garage Conf. Rm, Clinton, Branson	1
		KC District - Conf. Rooms 236	1
7/28/17	Friday	NW District - NW Conference Center	1
		Central Office - ISD 2	1
11/21/17	Tuesday	Central Office - Environmental OF	1
			217

01/31/2017 - External NW Training - District			
Name	E-mail	Company	Training Date
Charlie Kramer	Charliekramer@jkaaz.com	KAAZ	1/31/2017
Cody Noll	66coder@gmail.com	KAAZ	1/31/2017
Taylor Utlerback	taylor@pvseeding.com	Pine Valley Contracting	1/31/2017
Gary Kirkpatrick	gary@pvseeding.com	Pine Valley Contracting	1/31/2017

01/31/2017 - External NE Training - District			
Name	E-mail	Company	Training Date
Henry Burkemper	hburkemper@magrudercompanies.com	Magruder Paving	1/31/2017
Larry Cannon	larry.cannon@emerysapp.com	Emery Sapp	1/31/2017
Dallas Koan	dallas.koan@emerysapp.com	Emery Sapp	1/31/2017
Michael Rich	mikerich70@hotmail.com	Chester Bross	1/31/2017
Eric Siebuhr	esiebuhr85@gmail.com	Bross	1/31/2017
Pat Watkins	patwatkins57@hotmail.com	Chester Bross	1/31/2017
Dustin Harre	dustinharre@hotmail.com	Chester Bross	1/31/2017
Kevin Leahr	kevinlehrbo@hotmail.com	Chester Bross	1/31/2017
Jim Woodard	Jimwoodard60@hotmail.com	Chester Bross	1/31/2017
Mace Colgrove	mcogrove68@hotmail.com	Chester Bross	1/31/2017
Tom Leake	tleake@emerysapp.com	Emery Sapp	1/31/2017
Troy Hunt	troyb.hunt@emerysapp.com	Emery Sapp	1/31/2017

01/31/2017 - External KC Training - District			
Name	E-mail	Company	Training Date
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Earl Bradshaw	ebadshaw@superiorbowen.com	Superior Bowen	1/31/2017
Dennis Pennigo	dperrigo@superiorbowen.com	Superior Bowen	1/31/2017
Keith Davenport	kedavenport@superiorbowen.com	Superior Bowen	1/31/2017
Bob Snyder	bob.snyder@emerysapp.com	Emery Sapp	1/31/2017
Clint Edwards	clint.edwards@emerysapp.com	Emery Sapp	1/31/2017
Michael Veltri	mveltri@americanbridge.net	American Bridge	1/31/2017
Trampus Tuggle	trampus.tuggle@emerysapp.com	Emery Sapp	1/31/2017
Adam Goins	adam.goins@emerysapp.com	Emery Sapp	1/31/2017
Steve Kaspar	steve.kaspar@barcus.com	LG Barcus	1/31/2017
Kyle Frye	kyle.frye@emerysapp.com	Emery Sapp	1/31/2017
Joel Turnham	joel.hurnham@hdrin.com	HDR/ICA	1/31/2017
Tony Young	tony.young@emerysapp.com	Emery Sapp	1/31/2017
Jeff Potter	jeff.potter@emerysapp.com	Emery Sapp	1/31/2017
Glenn Reynolds	greynolds@ICA-onramp.com	HDR/ICA	1/31/2017
Pat Dinges	pdinges@radbroex.com	Radmacher	1/31/2017

01/31/2017 - External KC Training - District Cont.			
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Carl Messer	carl.messer@emerysapp.com	Emery Sapp	1/31/2017
Dustin Lewis	dustin@realmconstructioninc.com	Realm Construction	1/31/2017
Jonathan Hoflander	jhoflander@olssonassociates.com	Olsson Associates	1/31/2017
Jason Divine	rooster13@brothersradmacher.com	Brothers Radmacher	1/31/2017
Jim Lafayette	jlafayette@att.net	Radmacher	1/31/2017
Ryan Radmacher	ryan@radbroex.com	Radmacher	1/31/2017
Kenneth Radmacher	kkee@radbroex.com	Brothers Radmacher	1/31/2017
Brian Dobson	bdobson@radbroex.com	Radmacher	1/31/2017
Bruce Ponder	bpond40@gmail.com	Radmacher	1/31/2017
Brain Yeager	byeager@radbroex.com	Radmacher	1/31/2017
Ben Cummings	bcummings@radbroex.com	Radmacher	1/31/2017

01/31/2017 - External CD Training - District			
Name	E-mail	Company	Training Date
Wayne Ramsey	wramsey@magrudercompanies.com	Magruder Paving	1/31/2017
Matt Cowell	matt.cowell@twehous.com	Twehous Excavating	1/31/2017
Jim Dallas	jim.dallas@twehous.com	Twehous Excavating	1/31/2017
Jerome Wieberg	jwiehmangontes@gmail.com	Lehman Boone	1/31/2017
Susan Ball	susan@booneconst.com	Construction	1/31/2017
Blake Hastedde	blake.hastedde@emerysapp.com	Emery Sapp	1/31/2017
Tarryn Perry	tarryn.perry@emerrysapp.com	Emery Sapp	1/31/2017
Brian Sapp	brian.sapp@emerysapp.com	Emery Sapp	1/31/2017
Mike Crane	mike.crane@emerysapp.com	Emery Sapp	1/31/2017
Brian Pemberton	b.pemberton@emerysapp.com	Emery Sapp	1/31/2017
Jason Rode	jason.rode@emerysapp.com	Emery Sapp	1/31/2017
01/31/2017 - External CD Training - District Cont.			
Name	E-mail	Company	Training Date
Matt Oesch	matt.oesch@emerysapp.com	Emery Sapp	1/31/2017
Josh Doerhoff	joshd@emerysapp.com	Emery Sapp	1/31/2017
Chris Landwehr	chris.landwehr@emerysapp.com	Emery Sapp	1/31/2017
John Davis	jdavis@capitalmaterialsmo.com	Capital Materials	1/31/2017
Richard Blake	rblake@capitalmaterialsmo.com	Capital Paving	1/31/2017
Hal Brenton	hal.brenton@emerysapp.com	Emery Sapp	1/31/2017
Alan Million	alan.million@emerysapp.com	Emery Sapp	1/31/2017
Kevin Jones	kjones@phillipshardy.com	Phillips Hardy	1/31/2017

01/31/2017 - External SL Training - District			
Name	E-mail	Company	Training Date
Justin Zimpfer	jzimpfer@nbwest.com	NB West	1/31/2017
Sean Kilian	skilian@kozyenywagner.com	Kozyeny Wagner	1/31/2017
Shane Williams	swilliams@kozyenywagner.com	Kozyeny Wagner	1/31/2017
Randy Brandt	randybrandt@kruppmo.com	Krupp Construction	1/31/2017
Mark Hartman	mark.hartman@millstoneweber.com	Millstone Weber	1/31/2017
Chuck Risley	crisley@gershenson.com	Gershenson	1/31/2017
Ryan Lazier	drlazier@gershenson.com	Gershenson	1/31/2017
Steve Groene	sgroene@tramarcontracting.com	Tramar	1/31/2017
Fred Wilson	f.wilson@ica-onramp.com	HDR/ICA	1/31/2017
Joe Simon	jsimon@tramarcontracting.com	Tramar	1/31/2017
Loren Cahill	cahill.loren@yahoo.com	NB West	1/31/2017
Keith Denney	Kdenney@NBWest.com	NB West	1/31/2017

01/31/2017 - External SW Training - District			
Name	E-mail	Company	Training Date
Jim Moore	jimmoore54@hotmail.com	Bross	1/31/2017
Tyson Collins	tyson.collins@apac.com	APAC	1/31/2017
James Jiles	jim.jiles@apac.com	APAC	1/31/2017
Greg Hayden	greg.hayden@apac.com	APAC	1/31/2017
Tyson Bahner	tyson.bahner@apac.com	APAC	1/31/2017
Ron Antonini	ran.antonini@emerysapp.com	Emery Sapp	1/31/2017
Keith Batson	k.batson@Journagan.com	Journagan	1/31/2017
Marty Hilton	marty.hilton@emerysapp.com	Emery Sapp	1/31/2017
Justin Smith	jsmith@emerysapp.com	Emery Sapp	1/31/2017
01/31/2017 - External SW Training - District			
Name	E-mail	Company	Training Date
Shane Mackey	shane.mackey97@gmail.com	Emery Sapp	1/31/2017
Isaiah Lapierre	isaiah.lapierre@emerysapp.com	Emery Sapp	1/31/2017
Ron Mann	ron.mann@emerysapp.com	Emery Sapp	1/31/2017
John Treese	john.treese@emerysapp.com	Emery Sapp	1/31/2017
Doug Stokes	drstokes@blevinsasphalt.com	Blevins Asphalt	1/31/2017
Rick Bekemeier	rbekemeier@aol.com	Blevins Asphalt	1/31/2017
Kevin Durbin	kdurbin@blevinsasphalt.com	Blevins Asphalt	1/31/2017
Jim Fisher	jimfisher@hartmancomo.com	Hartman	1/31/2017
David Evans	david.evans@apac.com	APAC	1/31/2017
Darren Young Jr	dyoung@ica-onramp.com	HDR	1/31/2017
Brent Ponder	bponder@emerysapp.com	Emery Sapp	1/31/2017
David Tag	david.tag@emerysapp.com	Emery Sapp	1/31/2017

01/31/2017 - External SE Training - District			
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Daniel Schuchart	dschuchartjr@yahoo.com	Lappe Cement	1/31/2017
Chad Hayes	-	Lappe Cement	1/31/2017
Matt Schurchart	-	Lappe Cement	1/31/2017
Jordan Hezo	-	Lappe Cement	1/31/2017
Nick Seyer	nick_seyer@yahoo.com	Lappe Cement	1/31/2017
Daivd Dothage	-	HR Quadri	1/31/2017
Kris Powell	kpowell@rlpersons.com	RL Persons	1/31/2017
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Sherry Nicholson	sherryn@hrquadri.com	Hr Quardi	1/31/2017
David McMullin	david@fronabarger.com	HR Quadri	1/31/2017
Robert Sullivan	roberts@hrquadri.com	Fronabarger	1/31/2017
Jason Spardley	-	HR Quadri	1/31/2017
Todd Sallran	-	HR Quadri	1/31/2017
Melissa Bowen	melissab@hrquadri.com	HR Quadri	1/31/2017
Jerrod Roberts	jerrod@hrquadri.com	HR Quadri	1/31/2017
Luke Miget	lukem@penzel.com	Penzel	1/31/2017
Jack Conklin	jackc@penzel.com	Construction	1/31/2017
Mike Hawkins	mikehawkins526@gmail.com	Penzel	1/31/2017
		Lappe Cement	1/31/2017

02/14/2017 - External NW Training - District			
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Jack Neel	jack@ideker.net	Ideker	2/14/2017
Mark Allegri	mark@ideker.net	Ideker, Inc,	2/14/2017

02/14/2017 - External NE Training - District			
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Tim Murphy	tmurphy@bleigh.com	Construction	2/14/2017
Jeff Devlin	jdevlin@bleight.com	Bleigh	2/14/2017
Mark Lea	mdea@phillipshardy.com	Bleigh	2/14/2017
Henry Davis	-	Phillips Hardy	2/14/2017
		Bleight	2/14/2017

02/14/2017 - External KC Training - District			
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Roger Graves	rogergraves54@hotmail.com	Chester Bross	2/14/2017
Brian Dinges	bdinges@radbroex.com	Radmacher	2/14/2017
Randall Wood	randall.wood@emerysapp.com	Emery Sapp	2/14/2017
Matt Stuart	matt.stuart@emerysapp.com	Emery Sapp	2/14/2017
Jonathan Myers	jmyers@emerysapp.com	Emery Sapp	2/14/2017

02/14/2017 - External CD Training - District			
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Jesse Hinton	jesse.hinton@emerysapp.com	Emery Sapp	2/14/2017
Donnie Stevenson	donald.stevenson@emerysapp.com	Emery Sapp	2/14/2017
Robert Lehman	mushy7182@hotmail.com	Lehman Construction	2/14/2017

02/14/2017 - External SL Training - District			
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Bob Hofer	bob.hofer@millstoneweber.com	Millstone Weber	2/14/2017
Bob Scanlon	bob.scanlon@millstoneweber.com	Millstone Weber	2/14/2017
Brandon Bates	brandon.bates@millstoneweber.com	Millstone Weber	2/14/2017
Brandy Broeckling	brandy.broeckling@millstoneweber.com	Millstone Weber	2/14/2017
Brett Lennon	brett.lennon@millstoneweber.com	Millstone Weber	2/14/2017
Dwight Kraus	dwight.kraus@millstoneweber.com	Millstone Weber	2/14/2017
Eric Waterkotte	eric.waterkotte@millstoneweber.com	Millstone Weber	2/14/2017
Jason Highley	jason.highley@millstoneweber.com	Millstone Weber	2/14/2017
Kellan Comte	kellan.comte@millstoneweber.com	Millstone Weber	2/14/2017
Mark Reizer	markreizer@kruppmo.com	Krupp Construction	2/14/2017
Rick Crain	rick.crain@millstoneweber.com	Millstone Weber	2/14/2017
Scott Harriss	sharriss@gershenson.com	Gershenson	2/14/2017
Kevin Leftridge	kleftriage@sbcglobal.net	NB West	2/14/2017

02/14/2017 - External SW Training - District			
Name	E-mail	Company	Training Date
Perry Schneider	p.schneider@journagan.com	Journagan	2/14/2017
Tim Keller	tkeller@Journagan.com	Journagan	2/14/2017
John View	jview@Journagan.com	Journagan	2/14/2017
Justin Cobb	justin.cobb@apac.com	APAC	2/14/2017
Jim Jacomb	jim.jacomb@apac.com	APAC	2/14/2017
Jeff Clancy	jeff.clancy@apac.com	APAC	2/14/2017
Scot Lawson	slawson@apac.com	APAC	2/14/2017

02/14/2017 - External SE Training - District			
Name	E-mail	Company	Training Date
Robert Needels	rneedels@paceconstructionstl.com	Pace	2/14/2017
Brent Whitwell	bwhitwell@lionmark.com	Pace	2/14/2017
Ronnie Toth	rtoth@paceconstructionstl.com	Pace	2/14/2017
Cecilia Cain	ccain@deltacos.com	APEX	2/14/2017
Howard Hemmann	hhemmanne@deltacos.com	APEX	2/14/2017
Joe Colbert	jcolbert@deltacos.com	APEX	2/14/2017

03/16/2017 - External NW Training - District			
Name	E-mail	Company	Training Date
Jeff Bollin	jeffbollin@lexco.com	Lexeco	3/16/2017
Ron Wagner	ron@lexeco.com	Lexeco	3/16/2017

03/16/2017 - External KC Training - District			
Name	E-mail	Company	Training Date
David Oshel	daveo@leathandsons.com	Leath and Sons Pyramid	3/16/2017
Walt Bauer	walterb@pyramidcontractorsinc.com	Contractors Pyramid	3/16/2017
Ryan Bilouesky	ryanb@pyramidcotractorsinc.com	Contractors	3/16/2017
Rodney Chaplin	rodneyc@milesexcavating.com	Miles Excavating	3/16/2017

03/16/2017 - External CD Training - District			
Name	E-mail	Company	Training Date
Jason Nilges	jason@lehmanconstructionllc.com	Lehman Construction	3/16/2017
Kurt Birdsong	kurt.birdsong@yahoo.com	Lehman Construction	3/16/2017
Jeremy Burger	jburger1023@gmail.com	Lehman Construction	3/16/2017
John Kirchhoff	john@lehmanconstructionllc.com	Lehman Construction	3/16/2017
Charles Pursley	charles.pursley@dot.gov	FHWA	3/16/2017
James Stevenson	james.stevenson@dot.gov	FHWA	3/16/2017
Andrew Owenby	aowenby@capitalmaterialsmo.com	Capital Materials	3/16/2017

03/16/2017 - External SL Training - District			
Name	E-mail	Company	Training Date
Bill Abney	babney@paceconstructionstl.com	Pace	3/16/2017
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Erin Garner	erin.garner@millstoneweber.com	Millstone Weber	3/16/2017
Jacob Byrd	jacobbyrd@millstoneweber.com	Millstone Weber	3/16/2017
Justin Rogers	jrogers@paceconstructionstl.com	Pace	3/16/2017
Kurt Kutter	kkutter@cochraneng.com	Cochran Engineering	3/16/2017
Mark Simon	msimon@cochraneng.com	Cochran Engineering	3/16/2017

03/16/2017 - External SW Training - District			
Name	E-mail	Company	Training Date
Charles Sullivan	csullivan@cfse.com	Cook Flatt & Strobel Eng	3/16/2017
Matt Oswald	matt@lehmanconstructionllc.com	Lehman	3/16/2017

03/16/2017 - External SE Training - District			
Name	E-mail	Company	Training Date
Rocky Robertson	joes@boycomonline.com	Joe's Bridge & Grading	3/16/2017
Karen Robertson	-	Joe's Bridge & Grading	3/16/2017
Rick Lettan	asaasprl@gmail.com	ASA Asphalt	3/16/2017
Ty Milner	tym@robertsoncontractors.com	Robertson	3/16/2017

04/11/2017 - External NW Training - District			
Name	E-mail	Company	Training Date
Bryan Jones	bjones@herzog.com	Herzog	4/11/2017
Jeremy Hoffman	jhoffman@herzog.com	Herzog	4/11/2017

04/11/2017 - External KC Training - District			
Name	E-mail	Company	Training Date
Shawn Berkey	shawnb@milesexcavating.com	Miles Excavating	4/11/2017
Robert Taylor	robert@realmconstructioninc.com	Realm Construction	4/11/2017
David Taggart	david.taggart@emerysapp.com	Emery Sapp	4/11/2017

04/11/2017 - External CD Training - District			
Name	E-mail	Company	Training Date
Shannon Jenkins	shannon@lehmanconstructionllc.com	Lehman	4/11/2017
Brett Hall	brett@lehmanconstructionllc.com	Lehman Construction	4/11/2017
Ryan Porter	ryan@lehmanconstructionllc.com	Lehman Construction	4/11/2017
Kenny Lehman	kenny@lehmanconstructionllc.com	Lehman Construction	4/11/2017
Phillip Raines	praines@phillipshardy.com	Phillips Hardy	4/11/2017
Casey Castrop	ccastrop@capitalmaterialsmo.com	Capital Paving	4/11/2017

04/11/2017 - External SL Training - District			
Name	E-mail	Company	Training Date
Brian Schanuel	bschanuel@gerstnerelectric.com	GEI	4/11/2017
Ryan Conrath	rconrath@gerstnerelectric.com	GEI	4/11/2017
Steve Trumper	struemper@gerstnerelectric.com	Gershenson	4/11/2017
Tom Dieckmann	tdieckmann@gerstnerelectric.com	GEI	4/11/2017
Bryan Fleer	bfleer@nbwest.com	NB West	4/11/2017
Steve Gerstner	sgerstner@gerstnerelectric.com	GEI	4/11/2017

04/11/2017 - External SW Training - District			
Name	E-mail	Company	Training Date
Sheri McWilliams	bandkexcavation@sbcglobal.net	Bennett Inc	4/11/2017
James Sutton	jsutton@greatriv.com	Great River Engineering	4/11/2017

04/11/2017 - External SE Training - District			
Name	E-mail	Company	Training Date
Mike Williams	mikew@penzel.com	Penzel Construction	4/11/2017

05/04/2017 - External KC Training - District			
Name	E-mail	Company	Training Date
Jaimie Loch	jloch@chck.net	Collins & Herman, Inc.	5/4/2017

05/04/2017 - External SW Training - Clinton Project Office			
Name	E-mail	Company	Training Date
Bo Bennett	bandkexcavation@sbcglobal.net	Bennett Construction	5/4/2017

7/28/2017 - CO Training - SW Distirt			
Name	E-mail	Company	Training Date
Jack Brown	j.brown@branco.com	Branco Inc	7/28/2017

8/07/2017 - CO Training - ISD2			
Name	E-mail	Company	Training Date
Craig Nilges	cnilges@capitalpavingmo.com	Capital Paving	8/7/2017

11/21/2017 - CO Training - Environmental Conf. Room			
Name	E-mail	Company	Training Date
Adam Carroll	eandcbridge@gmail.com	E & C Bridge, LLC	11/21/2017

Appendix M – Recertification Training Certification Program

MODOT CONSENT DECREE RECERTIFICATION TRAINING

POLICY AND ENFORCEMENT

- **Water Pollution Control Act (aka. Clean Water Act of 1972)**
 - ✓ Establishes the basic structure for regulating discharges of pollutants into the waters of the United States and regulating quality standards for surface waters;
 - ✓ NPDES Phase I (1987) - Regulation of Construction Sites 5 acres and greater;
 - ✓ NPDES Phase II (1995) - Regulation of Construction Sites 1 acre and greater.



TRAINING OVERVIEW

- Policy and Enforcement
- Consent Decree Requirements
- MoDOT's General Operating Permit
- Storm Water Pollution Prevention Plan (SWPPP)
- Erosion Control vs. Sediment Control BMP's
- In Stream BMP's
- Additional Considerations for BMP's
- Proper Operation and Maintenance



POLICY AND ENFORCEMENT

- **Missouri Clean Water Law**
 - ✓ Established Missouri Department of Natural Resources (MDNR) as Missouri's regulating agency for environmental protection;
 - ✓ MDNR regulates through Section 401 of the Clean Water Act as well as State Law;
 - ✓ Missouri's General Operating permit - MOR100007 is authorized and regulated under Chapter 644 of the Missouri Revised Statutes.



CONSENT DECREE

- **3 Year Duration**
 - ✓ July 20, 2015 Effective Date of Decree
 - ✓ July 20, 2018 Anticipated End Date
- **Penalties**
 - ✓ Civil Penalty - \$750,000
 - ✓ 15 Stipulated Penalties
- **Consent Decree Requirements**
 - ✓ Positions and Responsibilities
 - ✓ Training Requirements
 - ✓ Storm Water Erosion Control Pre-Activity Meeting
 - ✓ Inspection Requirements



CONSENT DECREE REQUIREMENTS POSITIONS AND RESPONSIBILITIES CONT.

- Designate and Maintain a Storm Water Compliance and Environmental Specialist
- ✓ Engineer
- ✓ Competent
- ✓ Develop and Update Storm Water Training
- ✓ Responsible for all Correspondence with EPA Including Written Annual Report
- ✓ Oversees Statewide Projects
- ✓ Coordinates Environmentally Sensitive Areas
- ✓ Review any Outstanding Storm Water Deficiencies Every 14 Days
- ✓ Authority to Issue Stop Work Orders for Erosion Control Issues
- ✓ Authority to Approve Change Orders up to \$100,000

**STIPULATED PENALTY #1
FAILURE TO COMPLY:
\$100,000 - INITIAL VIOLATION
\$750,000 - EVERY 14 DAYS**

CONSENT DECREE REQUIREMENTS

POSITIONS AND RESPONSIBILITIES

Designate and Maintain a Storm Water Compliance and Environmental Specialist

- ✓ Employee of MoDOT;
- ✓ Competent;
- ✓ Develop and Update Storm Water Training;
- ✓ Responsible for all Correspondence with EPA Including Written Annual Report;
- ✓ Oversees Statewide Projects;
- ✓ Coordinates Environmentally Sensitive Areas;
- ✓ Review any Outstanding Storm Water Deficiencies Every 14 Days;
- ✓ Authority to Issue Stop Work Orders for Erosion Control Issues;
- ✓ Authority to Approve Change Orders up to \$100,000;

CONSENT DECREE REQUIREMENTS

POSITIONS AND RESPONSIBILITIES CONT.

Designate and Maintain Environmental Construction Inspector

- ✓ Complete Storm Water Training
- ✓ Attend Storm Water Erosion Pre-Construction Conference
- ✓ Must Be Designated Prior to Any Land Disturbance Activities on the Project
- ✓ Be on Site at least 3 Days Per Week Until All Areas Have Final Seed and Much then 1 Per Week Until Final Stabilization is Achieved
- ✓ Conduct All Inspections - Weekly and Post-Runoff
- ✓ Update the Project Specific SWPPP

CONSENT DECREE REQUIREMENTS
POSITIONS AND RESPONSIBILITIES CONT.

Contractor Designation of a Water Pollution Control Manager (WPCM)

- ✓ Be Familiar with the Consent Decree Requirements
- ✓ Complete the WPCM Designation Form
- ✓ Attend the WPCM Training
- ✓ Review the WPCM Designation Form
- ✓ Visit the WPCM Designation Form
- ✓ Be Authorized to Stop Work
- ✓ Review the WPCM Designation Form

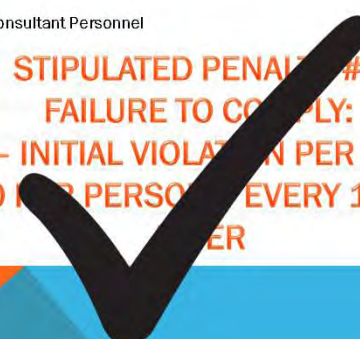
STIPULATED PENALTY #2
FAILURE TO COMPLY:
\$750 - INITIAL VIOLATION
\$750 - EVERY 14 DAYS AFTER



CONSENT DECREE REQUIREMENTS
TRAINING CONT.

Contractor/ Consultant Personnel

STIPULATED PENALTY #3
FAILURE TO COMPLY:
\$750- INITIAL VIOLATION PER PERSON
\$750 PER PERSON EVERY 14 DAYS



CONSENT DECREE REQUIREMENTS
TRAINING

MoDOT Employees

- ✓ All Storm Water Resident Engineers
- ✓ All Environmental Construction Inspectors
- ✓ All Employees with Authority to Stop Work
- ✓ All Employees Routinely Participate in SWPPP Development or Updates

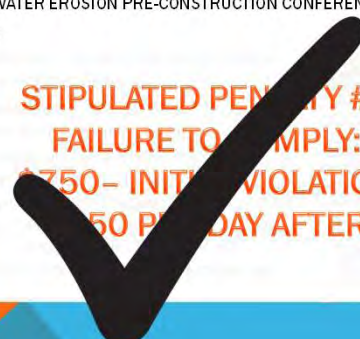
During the term of the Consent Decree, Recertification Training is required once every other year.

CONSENT DECREE REQUIREMENTS
STORM WATER EROSION PRE-CONSTRUCTION CONFERENCE

Requirements:

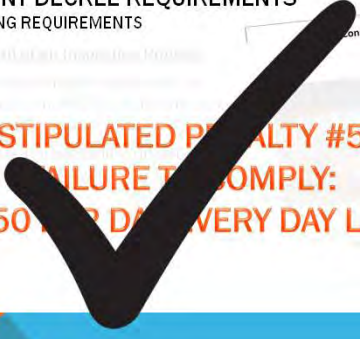
- ✓ Meet with the SWPPP Coordinator
- ✓ Complete the SWPPP Conference Form
- ✓ Review the SWPPP Conference Form
- ✓ Visit the SWPPP Conference Form
- ✓ Be Authorized to Stop Work
- ✓ Review the SWPPP Conference Form

STIPULATED PENALTY #4
FAILURE TO COMPLY:
\$750- INITIAL VIOLATION
\$50 PER DAY AFTER



CONSENT DECREE REQUIREMENTS
REPORTING REQUIREMENTS

STIPULATED PENALTY #5
FAILURE TO COMPLY:
\$750 PER DAY EVERY DAY LATE



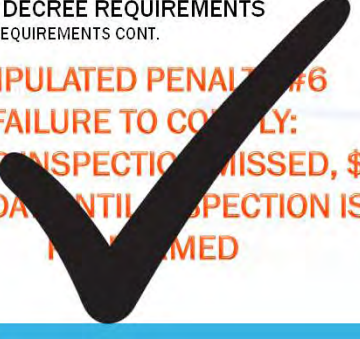
CONSENT DECREE REQUIREMENTS
REPORTING REQUIREMENTS CONT.

- **Storm Water Compliance Database**
 - ✓ Holds all Inspection Reports, Storm Water Deficiencies, and Resolutions to Deficiencies;
 - ✓ Calculates Stipulated Penalties in Accordance with Consent Decree;
 - ✓ Tracks Regular Required Inspection Intervals;
 - ✓ Provides Automated Email Notices;
 - ✓ Allows Inspectors, RE's and WPCM's to Certify/Sign Reports;
 - ✓ Located at www.MoDOT.org/LD.



CONSENT DECREE REQUIREMENTS
REPORTING REQUIREMENTS CONT.

STIPULATED PENALTY #6
FAILURE TO COMPLY:
\$500 PER INSPECTION MISSED, \$100 PER DAY UNTIL INSPECTION IS COMPLETED



CONSENT DECREE REQUIREMENTS
REPORTING REQUIREMENTS CONT.

- **Storm Water Compliance Database How To's:**
 - ✓ **EPG Quick Reference Guides**
 - ✓ Project Setup;
 - ✓ Inspections;
 - ✓ Deficiencies;
 - ✓ Project Closeout;
 - ✓ **Startup and Closeout Checklist** - EPG 806.8 - SWPPP Forms and Figures.



CONSENT DECREE REQUIREMENTS
REPORTING REQUIREMENTS CONT.

STIPULATED PENALTY #7
FAILURE TO COMPLY:
\$100 PER DAY REPORT NOT COMPLETED




CONSENT DECREE REQUIREMENTS
REPORTING REQUIREMENTS CONT.

STIPULATED PENALTY #9
FAILURE TO COMPLY:
\$1,500 PER INSPECTION NOT
PERFORMED AS REQUIRED, THEN \$250
PER DAY INSPECTION NOT PERFORMED




CONSENT DECREE REQUIREMENTS
REPORTING REQUIREMENTS CONT.

STIPULATED PENALTY #8
FAILURE TO COMPLY:
\$250 PER REPORT NOT
REVIEWED / CERTIFIED




NPDES SW PERMIT
MODNR GENERAL OPERATING PERMIT MOR100007

- **EPA Authorized States to Administer NPDES Program**
 - ✓ All But 4 States are Authorized to Administer NPDES Programs
 - ✓ Authorization is Done Through an MOA Which is Reviewed Every 4 Years
- **Mo Department of Natural Resources (MoDNR)**
 - ✓ Missouri Authorized to Administer NPDES Program in 1974
 - ✓ Missouri General Permit Program Authorization was provided in 1985
 - ✓ MoDOT's General Operating Permit for Stormwater MOR1000007 - 5 year permit



NPDES SW PERMIT

DNR GENERAL OPERATING PERMIT MOR100007 CONT.

- **Permit Applicability**

- ✓ MoDOT's General Operating Permit is Applicable to all Land Disturbance Projects with 1 Acre or More of Disturbed Land;
- ✓ Permit Requires a Stormwater Pollution Prevention Plan (SWPPP);
- ✓ Permit Requires all Projects Covered by This Permit have a Project Specific SWPPP;
- ✓ Legal Owner of the Property is Responsible for the Permit.

**NPDES SW PERMIT**

DNR GENERAL OPERATING PERMIT MOR100007 CONT.

STIPULATED PENALTIES FOR FAILURE TO COMPLY:

\$1,000 PER VIOLATION FOR FIRST 10 DAYS, \$2,500 FOR DAYS 11/20, \$3,500 PER VIOLATION FOR 21 DAYS AND BEYOND

NPDES SW PERMIT

DNR GENERAL OPERATING PERMIT MOR100007 CONT.

- **Exemptions**

- ✓ Projects that Discharge Storm Water Runoff Directly in a Combined Sewer System
- ✓ Land Disturbances Linear, Strip, or Ribbon Construction
- ✓ Projects that Disturb Less Than 1 Acre of Total Land Area
- ✓ Agricultural Storm Water Discharges and Irrigation Return Flows

**CONSENT DECREE**

REMAINING STIPULATED PENALTIES

- Stipulated Penalty 11: Failure to Correct a Storm Water Deficiency Identified in an Inspection Report or Otherwise Discovered

✓ **FAILURE TO COMPLY: \$1,000 PER VIOLATION FOR FIRST 10 DAYS, \$2,500 Per VIOLATION FOR DAYS 11/20, \$3,500 PER VIOLATION FOR 21 DAYS AND BEYOND.**

- Stipulated Penalty 12: Failure to Enter an item into the Storm Water Database

✓ **FAILURE TO COMPLY: \$200 PER DEFICIENCY NOT ENTERED IN THE DATABASE.**

- Stipulated Penalty 13: Failure to Submit SWPCMs, RE, or Storm Water Compliance and Environmental Specialist Review the SW Database:

✓ **FAILURE TO COMPLY: \$100 PER DAY REVIEW IS LATE.**

CONSENT DECREE REMAINING STIPULATED PENALTIES

- Stipulated Penalty 14: Failure to Submit a Report or Information in Accordance with the Consent Decree.
 - ✓ FAILURE TO COMPLY: \$750 PER REPORT/INFORMATION NOT SUBMITTED, THEN AN ADDITIONAL \$750 FOR EVERY 14 DAY PERIOD THAT PASSES UNTIL SUBMITTAL.
- Stipulated Penalty 15: Other Violations of the Consent Decree Not Specified Above:
 - ✓ FAILURE TO COMPLY: \$750 PER DAY IT CONTINUES TO BE UNCORRECTED.

PROJECT SPECIFIC SWPPP

- Project Specific SWPPP
 - ✓ Required by General Permit;
 - ✓ Must Include:
 - ✓ Nature of Construction Activity;
 - ✓ Sequence and Timing of Soil Disturbance;
 - ✓ Estimated Area of Disturbance;
 - ✓ Dewatering Plan (if applicable) and;
 - ✓ Site Map.



SWPPP (STORM WATER POLLUTION PREVENTION PLAN)

- What is a SWPPP?
 - ✓ A Documented Plan For Design, Implementation, Management and Maintenance of BMP's to be used to Address Erosion and Sediment Control as Well as other Pollutants Generated During Construction.
 - ✓ MoDOT's General SWPPP – Article EPG 806.8.
- Why Do we Need a SWPPP
 - ✓ Requirement of the Permit to Obtain a Permit.



PROJECT SPECIFIC SWPPP

Dewatering Plans



SWPPP SITE MAP

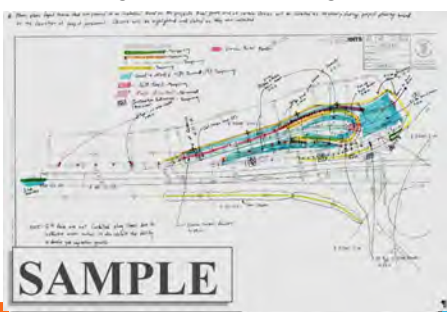
• Requirements of the Site Map

- ✓ Legible;
- ✓ Show Project Boundaries;
- ✓ Direction of Storm Water Flows and Slopes;
- ✓ Areas of Disturbance and Non-Disturbance;
- ✓ Location of Structural and Non-Structural BMP's;
- ✓ Where Stabilization Practices Expected to Occur;
- ✓ Off site Material, Borrow, or Equipment Storage;
- ✓ Location of All Waters of the US and Wetlands;
- ✓ Locations Where Storm Water Discharges to Surface Water and;
- ✓ Final Stabilization Areas.

SITE MAP EXAMPLES CONT.



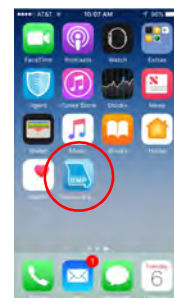
SITE MAP EXAMPLES



STORM WATER BMP APP

▪ New Tool Available for Site Map Development

- ✓ Allows for Field Data Collection;
- ✓ Utilizes TMS Maps for Map Development;
- ✓ Must have AirWatch on Phone to get App.



BMP APP - TMS MAP VIEW

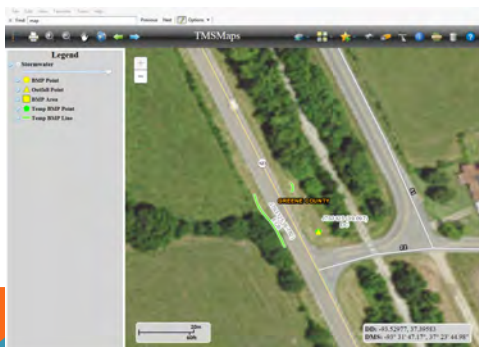


SITE MAP UPDATES

- Site Maps Must Be Updated When Changes Occur;
- Don't Wait;
- Regulatory Requirement;



BMP APP - TMS MAP VIEW



GOOD HOUSE KEEPING PRACTICES

- Good House Keeping Practices At All Times;**
 - ✓ Trash;
 - ✓ Scrap Building Materials.
- Chemical Spills and Leaks**
 - ✓ Prevention and Response Procedures;
 - ✓ Containment Berms and Drip Pans.
- Sanitary Sewage**
 - ✓ Proper Facilities;
 - ✓ Location, Location, Location.



PUBLIC NOTICE

Public Notification Sign – Located
at WWW.MoDOT.org/LD



STIPULATED PENALTIES OR SWPPP



RECORD KEEPING REQUIREMENTS

- Retention Required for 3 Years
Beyond the End of Decree
 - ✓ MoDOT;
 - ✓ Contractors;
 - ✓ Contractors Subs.



LET'S TAKE A BREAK!



LAND DISTURBANCE



SEDIMENT CONTROL



VS EROSION CONTROL

EROSION CONTROL BMP'S CONT.

Mulch



EROSION CONTROL BMP'S CONT.

Surface Roughening



EROSION CONTROL BMP'S CONT.

Permanent or Temporary Seed and Mulch



EROSION CONTROL BMP'S CONT.

Sodding



EROSION CONTROL BMP'S CONT.

Erosion Control Blankets / Mats



EROSION CONTROL CONT.

Slope Drains



EROSION CONTROL BMP'S CONT.

Channel and Slope Armoring



EROSION CONTROL BMP'S CONT.

Energy Dissipaters



SEDIMENT CONTROL BMP'S CONT.

Vegetation Buffers



SEDIMENT CONTROL BMP'S

Establishment of A Perimeter



SEDIMENT CONTROL BMP'S CONT.

Rock Ditch Checks



SEDIMENT CONTROL BMP'S CONT.

Alternate Ditch Checks



SEDIMENT CONTROL BMP'S CONT.

Rock / Mesh Control Fence



SEDIMENT CONTROL BMP'S CONT.

Silt Fence



SEDIMENT CONTROL BMP'S CONT.

Inlet Protection Devices



SEDIMENT CONTROL BMP'S CONT.

Sediment Trap



IN-STREAM BMP'S



SEDIMENT CONTROL BMP'S CONT.

Sediment Basins



ADDITIONAL CONSIDERATIONS FOR BMP'S

Choose Correct BMP



ADDITIONAL CONSIDERATIONS FOR BMP'S

Correct Installation



ADDITIONAL CONSIDERATIONS FOR BMP'S

Preparing Soil for Seed



ADDITIONAL CONSIDERATIONS FOR BMP'S

Concrete Washout



ADDITIONAL CONSIDERATIONS FOR BMP'S

Flocculants



ADDITIONAL CONSIDERATIONS FOR BMP'S

Sediment Drop Curtin



BMP INSPECTION AND MAINTENANCE

- **Inspections**
 - ✓ Weekly Inspections;
 - ✓ Post Run-Off.
- **Maintenance**
 - ✓ If Half Full, Clean It;
 - ✓ If Broke, Fix It;
 - ✓ If Leaks, Plug It;
 - ✓ If No Longer Needed, Remove It.



ADDITIONAL CONSIDERATIONS FOR BMP'S

Stream Crossings



BMP REMOVAL

- **Temporary BMP's**
 - ✓ Not Biodegradable;
 - ✓ Areas of Final Stabilization.



Don't Remove Until
YOU are Comfortable.





Appendix N – Designation of Water Pollution Control Managers

Active Projects as of December 2017

Contract ID	District	Route	Description	Contractor	Project WPCM	Training Date	Backup WPCM	Training Date
170120-A02	NW	6	Slide repair	Above And Below Contracting, LLC	Tim Hollaway	10/28/2016	Michael Brinegar	6/27/2017
170421-A01	NW	DD	Bridge replacement	Emery Sapp & Sons, Inc.	Donald Stevenson	2/14/2017	Michael Crane	6/27/2017
170519-A01	NW	I-29	Bridge rehabilitation	Comanche Construction, Inc.	Taylor Utlerback	1/31/2017	Morgan Utterback	3/29/2017
170616-A03	NW	136	Bridge replacement	Boone Construction Co.	Sam Snider	2/14/2017	Susan Ball	1/31/2017
170421-B02	NE	63	Bridge rehabilitation	E & C Bridge, LLC	Curtis Elam	1/31/2017	Philip Sandifer	1/31/2017
170519-B06	NE	F	Slide repair	Magruder Construction Co., Inc.	Steve Kientzy	8/15/2017		
170818-B01	NE	I-70	Grading, alternate paving, walls and bridge	Emery Sapp & Sons, Inc.	Adam Goins	1/31/2017	Jason Eldredge	6/27/2017
150320-C07	KC	50	Grading, pavement and bridge	Chester Bross Construction Company/C.B. Equipment, Inc.	Scotty Williams	6/15/2016		
150417-C01	KC	50	Grading and pavement	Chester Bross Construction Company/C.B. Equipment, Inc.	Kevin Leahr	1/31/2017		
160624-C01	KC	435	Resurface	Clarkson Construction Company	Chad Bird	8/12/2016	Orion Fox	8/12/2016
160624-C07	KC	45	Grading, pavement, retaining walls, and lighting	Clarkson Construction Company	Orion Fox	8/12/2016	Cole Kagarice	8/12/2016
161118-C01	KC	49	Grading, paving, and bridge	Radmacher Brothers Excavating Co., Inc.	Brian Yeager	1/31/2017	Ben Cummings	1/31/2017
161118-C02	KC	I-70	2 Bridge deck replacements	Emery Sapp & Sons, Inc.	Josh Doerhoff	1/31/2017	Tom Leake	1/31/2017
170217-C01	KC	35	Grading, paving, and bridges	Ideker, Inc.	Mark Allergi	2/21/2017		
170217-C02	KC	50	Grading, pavement and bridges	Radmacher Brothers Excavating Co., Inc.	Brian Yeager	1/31/2017	Ryan Radmacher	1/31/2017
170217-C07	KC	291	Grading, paving, drainage and ADA improvements	Miles Excavating, Inc.	Taylor Utlerback	1/31/2017	Rodney Chaplin	3/16/2017
170421-C03	KC	50	Intersection improvement	Emery Sapp & Sons, Inc.	Josh Doerhoff	1/31/2017	Ryan Grathwohl	6/27/2017
170519-C02	KC	65	Bridge deck replacement	Widel, Inc.	Bradley Vollmer	8/12/2016		
161118-D06	CD	54	Resurface	APAC-Central, Inc.	Tyson Bahner	1/31/2017		
161118-D07	CD	5	Resurface	Capital Paving & Construction, LLC	Casey Castrop	4/11/2017	Marli Hayes	2/21/2017
170324-D05	CD	B	Resurface and add shoulders	Jefferson Asphalt Company	Reid Riley	1/31/2017	Derek Lepper	2/14/2017
170421-D04	CD	100	Bridge replacement	KCI Construction Company	Wendall Tibbetts	6/13/2017	Tony Roderman	6/13/2017

Active Projects as of December 2017

Contract ID	District	Route	Description	Contractor	Project WPCM	Training Date	Backup WPCM	Training Date
170421-D05	CD	32	Bridge replacement	KCI Construction Company	Chris Schoenberger	2/25/2016	Tony Roderman	6/13/2017
170421-D07	CD	54	9 Bridge rehabilitations, guardrail improvements, and guard	Capital Paving & Construction, LLC	Craig Nilges	8/7/2017	Trey Hughes	7/14/2016
160210-F01	SL	141	Route 141 Design Build	Pace Construction Company	Bill Abney	3/16/2017	Tommy Helfrich	7/14/2016
160318-F02	SL	44	Pavement and 2 bridge replacements	KCI Construction Company	Ken Recar	2/16/2017	William Mckinnon	3/16/2017
160520-F01	SL	47	Building demolition	Alberici Constructors, Inc.	Matt Jacobi	7/14/2016	Don Johnson	7/14/2016
160520-F10	SL	N,	Grading, paving and bridge	Phillips Hardy, Inc.	Kris Flath	6/24/2015	Kevin Jones	1/31/2017
170120-F02	SL	364	Guardrail and guard cable	Collins & Hermann, Inc.	JR Collins	9/13/2017		
170217-F05	SL	BB	Resurface and add shoulders	N.B. West Contracting Company	Bryan Fleer	4/11/2017	Keith Denney	1/31/2017
170616-F01	SL	70	Intersection and ADA improvements	R. V. Wagner, Inc.	Rick Dockins	9/13/2017		
170616-F03	SL	61	Grading, pavement and bridge	KCI Construction Company	Shane Mccoy	8/15/2017	Doug Jones	8/15/2017
160219-G11	SW	65	Grading, paving, and bridge	Emery Sapp & Sons, Inc.	David Tag	1/31/2017	Matt Oesch	1/31/2017
160923-G08	SW	Bus 65	Grading, pavement and bridge	Lehman Construction, LLC	Christopher Carsten	1/31/2017	Bernie Mac	3/16/2017
161118-G09	SW	EE	Resurface and add shoulders	Blevins Asphalt Construction Company, Inc.	Doug Stokes	1/31/2017	Rick Bekemeier	1/31/2017
161118-G09	SW	AB	Resurface and add shoulders	Blevins Asphalt Construction Company, Inc.	Doug Stokes	1/31/2017	Rick Bekemeier	1/31/2017
170421-G02	SW	Bus 60	Bridge replacement	Hartman and Company, Inc.	Jim Fisher	1/31/2017	Larry Henderson	6/27/2017
170421-G04	SW	44	Grading and paving	Emery Sapp & Sons, Inc.	David Tag	1/31/2017		
170421-G05	SW	76	Grading, pavement, and bridge replacement	Lehman Construction, LLC	Jeremy Burger	3/16/2017	Jason Nilges	3/16/2017
170519-G01	SW	65	Grading, paving and bridges	APAC-Central, Inc.	Tyson Bahner	1/31/2017		
170519-G09	SW	413, 60	Grading and paving	APAC-Central, Inc.	Tyson Bahner	1/31/2017	James Jiles	1/31/2017
161021-H02	SE	17	Resurface and shoulder widening	APAC-Central, Inc.	Tyson Bahner	1/31/2017	David Evans	1/31/2017
170120-H01	SE	19	Bridge replacement	Lehman Construction, LLC	Jeremy Burger	3/16/2017	Jason Nilges	3/16/2017
170120-H04	SE	H	Resurface and add shoulders	Chester Bross Construction Company/C.B. Equipment, Inc.	Jim Moore	1/31/2017	Pat Watkins	1/31/2017

Active Projects as of Decmber 2017 Cont.

Contract ID	District	Route	Description	Contractor	Project WPCM	Training Date	Backup WPCM	Training Date
170324-H05	SE	21	Resurface	Chester Bross Construction Company/C.B. Equipment, Inc.	Pat Watkins	1/31/2017	Jim Moore	1/31/2017
170324-H06	SE	67	Slope repair	H.R. Quadri Contractors, LLC	Jerrold Roberts	1/31/2017	Steve Bubanovich	1/31/2017
170324-H11	SE	CC	Bridge replacement	Joe's Bridge & Grading, Inc.	Stan Rapert	3/23/2017	Rocky Robertson	3/16/2017
170519-H01	SE	55	Grading, paving, and bridges	Emery Sapp & Sons, Inc.	Trampus Tuggle	1/31/2017	Josh Doerhoff	1/31/2017
170623-H01	SE	CC	Bridge replacement	Clarkson Construction Company	Michael Waddle	2/9/2017	Randy Hammett	2/9/2017
170818-H01	SE	HH	Pavement repairs	H.R. Quadri Contractors, LLC	Steve Bubanovich	1/31/2017	Jerrold Roberts	1/31/2017

Projects with Final Stabilization in 2017

Contract Id	District	Route	Description	Contractor	Project WPCM	Training Date	Backup WPCM	Training Date
160122-A01	NW	36	Grading, pavement and bridge	Lehman Construction, LLC	Shannon Jenkins	4/11/2017	Ryan Porter	4/11/2017
160219-A01	NW	13	Bridge replacement	Phillips Hardy, Inc.	Mark Lea	2/14/2017	Kris Flath	6/24/2015
160318-C06	NW	92	Grading and pavement	Leavenworth Excavating & Equipment Company, Inc.	Ron Wagner	3/16/2017	Jeff Bollin	3/16/2017
161118-A05	NW	246	Bridge replacement	Emery Sapp & Sons, Inc.	Donald Stevenson	2/14/2017	Jesse Hinton	2/14/2017
161118-A05	NW	46	Bridge replacement	Emery Sapp & Sons, Inc.	Donald Stevenson	2/14/2017	Jesse Hinton	2/14/2017
150320-B04	NE	19	Grading, drainage, pavement and bridge	Lehman Construction, LLC	Andrew Long	1/31/2017	Robert Davidson	1/31/2017
160826-B01	NE	61	Slide repair	CSD Environmental Services, Inc.	Frank Pinkley	1/12/2017		
140709-C01	KC	69	Grading, paving, and bridge	American Bridge Company	Scott Williams	6/15/2016		
141121-C01	KC	35	Bridge Replacement	Miles Excavating, Inc.	Scott Williams	6/15/2016		
160318-C02	KC	23	Bridge replacement	L. G. Barcus and Sons, Inc.	Steve Kaspar	1/31/2017	Roberto Varela	6/9/2015
170421-C01	KC	24	Intersection improvements	Emery Sapp & Sons, Inc.	Adam Goins	1/31/2017	Jason Eldredge	6/27/2017
170421-C07	KC	152	Guard cable	Collins & Hermann, Inc.	Jaimie Loch	5/4/2017		
170421-C07	KC	9	Guard cable	Collins & Hermann, Inc.	Karlee Bauknecht	4/11/2017		
140919-D01	CD	50	Grading & Bridge	Emery Sapp & Sons, Inc.	Chris Landwehr	1/31/2017	Brian Pemberton	1/31/2017
151023-D02	CD	8	Resurface	H.R. Quadri Contractors, LLC	Steve Bubanovich	1/31/2017	Jerrold Roberts	1/31/2017
151120-D06	CD	94	Resurface and add shoulders	Capital Paving & Construction, LLC	Casey Castrop	4/11/2017	Tyler Smith	6/29/2015

Projects with Final Stabilization in 2017 Cont.

Contract Id	District	Route	Description	Contractor	Project WPCM	Training Date	Backup WPCM	Training Date
160415-D04	CD	17	Resurface	N.B. West Contracting Company	Keith Denney	1/31/2017	William Brewer	2/25/2016
161118-D02	CD	F	Resurface	Magruder Paving, LLC	Wayne Ramsey	1/31/2017		
140822-F01	SL	64	New add a lane	Gershenson	Scott Harriss	2/14/2017	Chuck Risley	1/31/2017
150220-F09	SL	47	Bridge replacement	Kozeny-Wagner	Bruce Weishaupt	8/18/2015	Shane Williams	1/31/2017
150417-F03	SL	D	Grading, pavement, and resurface with 2 Add Alternates	N.B. West Contracting Company	Matthew Jansson	5/4/2017	Michael Castro	3/16/2017
151120-F04	SL	185	Grading, add shoulders, and resurface	N.B. West	Christine Redhage	1/31/2017	Franklin T. Vance	4/11/2017
160122-F03	SL	70	Grading, pavement and bridge	Millstone Weber, LLC	Brandy Broeckling	2/14/2017	Tom Scanlon	6/8/2015
141121-G08	SW	249	ADA and Intersection Improvements	Branco	Jack Brown	7/31/2017		
150320-G02	SW	60	Grading, pavement and bridge	Emery Sapp & Sons, Inc.	David Tag	1/31/2017		
150821-G02	SW	13	Resurface	APAC-Central	Tyson Bahner	1/31/2017		
151120-G06	SW	14	Grading and pavement	Hartman	Jim Fisher	1/31/2017	Joshua Wiertzema	2/22/2016
161118-G01	SW	44	Bridge rehabilitation A+B - Bridge replacement and ADA improvements	Emery Sapp & Sons, Inc.	Jesse Hinton	2/14/2017	Troy Hunt	1/31/2017
161216-G03	SW	96		Clarkson Construction Company	Randy Smith	2/14/2017	Randy Hammett	2/9/2017
140523-H03	SE	160	Grading and Paving	H.R. Quadri Contractors, LLC	Steve Bubanovich	1/31/2017	Jerrod Roberts	1/31/2017
141121-H03	SE	412	Grading and Paving	Chester Bross Construction Company/C.B. Equipment, Inc.	Pat Watkins	1/31/2017	Jim Moore	1/31/2017
150320-H17	SE	34	Resurface and add shoulder	Apex Paving Co.	Cecilia Cain	2/14/2017	Howard Hemmann	2/14/2017
150515-H10	SE	63	Grading and pavement with 1 add alternate	Chester Bross Construction Company/C.B. Equipment, Inc.	Eric Siebuhr	1/31/2017	Shane Johnson	6/17/2015
150925-H03	SE	M	Bridge replacement	United Ironworkers, Inc.	Chris Ehlen	6/17/2015	Brian Odle	6/29/2016
160318-H07	SE	O	Resurface	Magruder Paving, LLC	Darious Dowdy	Henry Burkempe	Dwight Tilling	6/23/2015
160415-H06	SE	M	Pavement and shoulders	H.R. Quadri Contractors, LLC	Steve Bubanovich	1/31/2017	Jerrod Roberts	1/31/2017
160520-H03	SE	AC	Grading and pavement	Emery Sapp & Sons, Inc.	Josh Doerhoff	1/31/2017	Trampus Tuggle	1/31/2017

Appendix O – Project Specific SWPPP Example

MISSOURI DEPARTMENT OF TRANSPORTATION

Project-Specific SWPPP Information Form 806.8.2

Project Number: 160318-F02 County: STL / STL City Route: I-44/BNSF

Project Description: I-44 Bridge replacement over BNSF Length = 1.212miles

Estimated Project Start Date: March 6, 2017

Estimated Project Completion Date: May 15, 2019

RE Name: Scott Washausen

Erosion and Sediment Control Inspector(s) Name(s): Philip Dietrich, Cindy Farrar, David Washinton

Primary Contractor(s) Name(s): Ken Recar - KCI

Erosion and Sediment Control Contractor(s) Name(s): Ken Recar and William McKinnon – KCI

Seed and Mulch Contractor(s) Name(s): KCI

Total Anticipated Disturbed Acreage for the Project: 12.5

Primary Receiving Water(s) for the Project: River Des Peres

Location of Public Notification Sign(s) (Note: Must be Viewable to the Public):

Job Site bulletin board.

Describe the BMP selection (if it differs from design), implementation and maintenance plan for the project (i.e., Why were selected BMPs chosen over those designed, what is the intended sequence and timing for installing BMPs and how will BMP deficiencies be addressed?):

No changes as of today.

Additional Project Notes: None at this time.

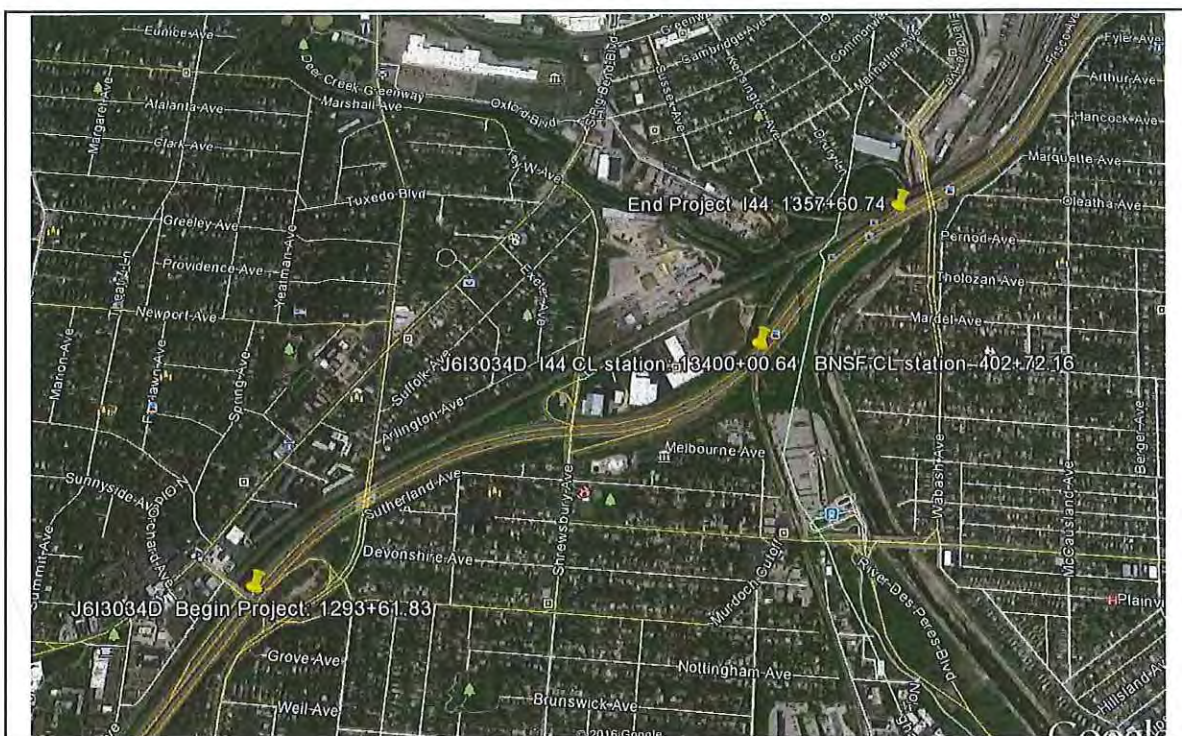
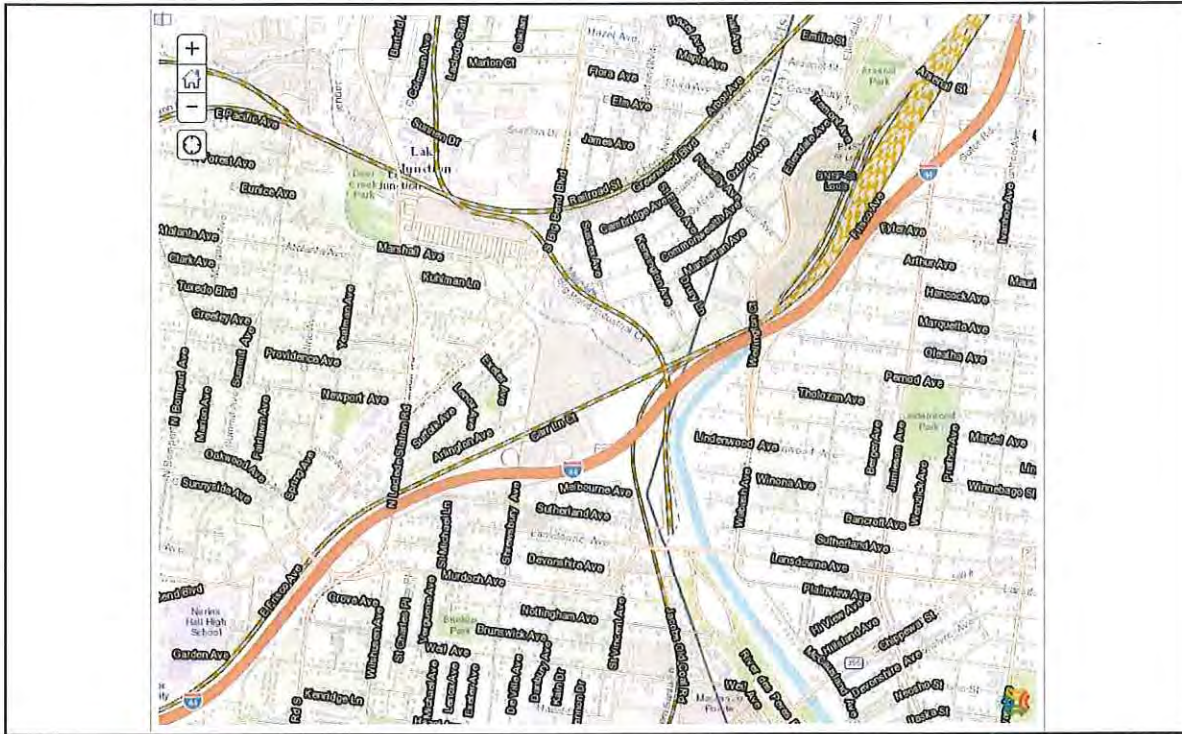
RE Signature: Scott Washausen Date: 2/28/17

WPCM Signature: Ken Recar Date: 2-28-17

404/401 Permit Required/Obtained for this Project? ☐ Yes ☒ No

Attach a map or maps depicting the project location/alignment with enough detail to show waters of the United States within 1 mile of the project.

Map(s) of Project Location/Alignment & Water Bodies within a 1 Mile Radius

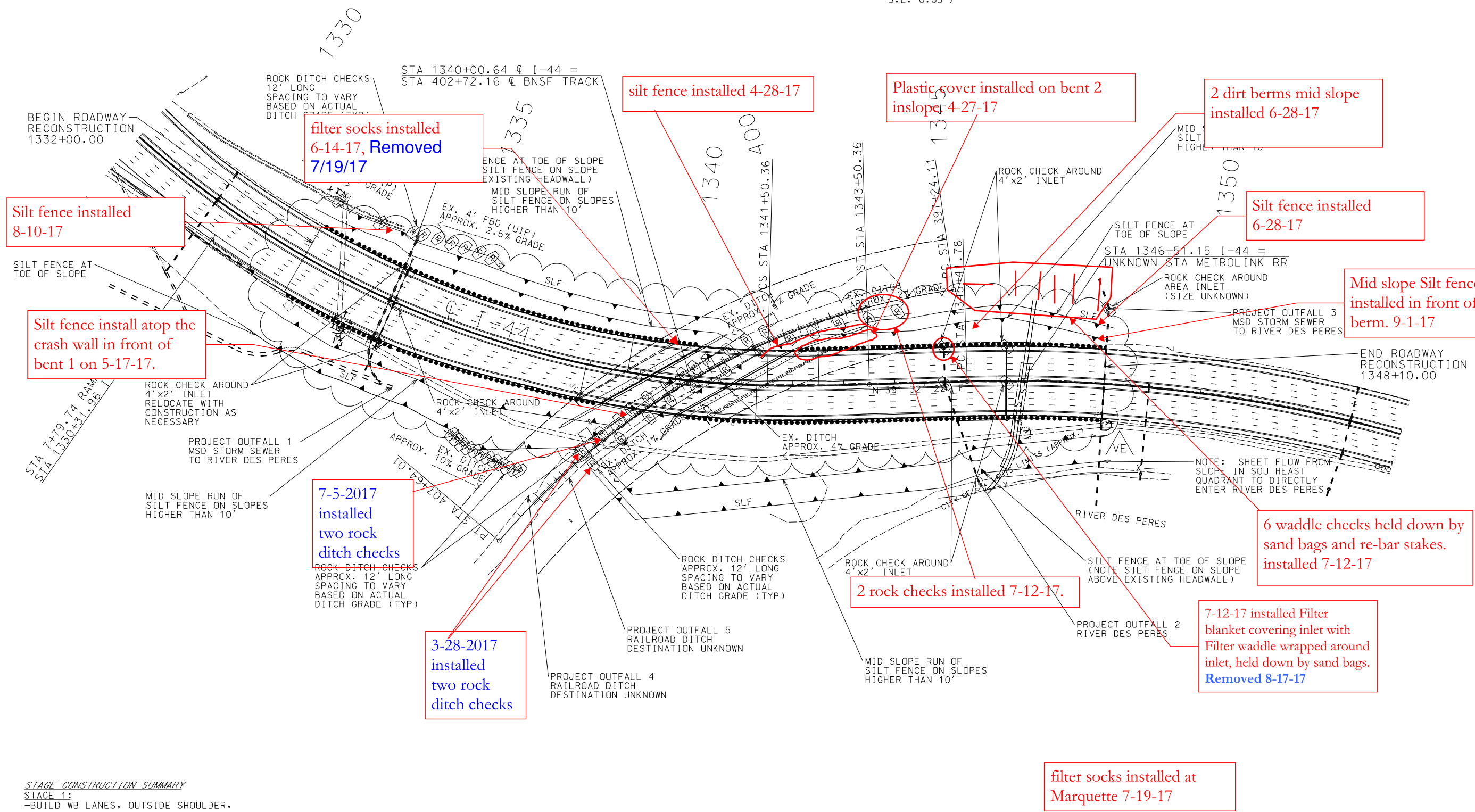


CURVE SURRR-1
PI 402+68.16
PC 397+24.11
PT 407+64.01
 Δ 41° 35' 14.8" (LT)
D 3° 59' 57.0"
L 1,039.90'
T 544.05'
R 1,432.69'

CURVE 44-07
TOTAL PI 1334+50.64
SC 1326+21.24
CS 1341+50.36
TOTAL Δ 51° 52' 22.3" (LT)
D 3° 00' 00.0"
Lc 1° 529.12'
Ls 200.00'
Ts 1° 029.40'
R 1° 910.08' (ch.)
Bs 2° 59' 58.8"
Xs 199.95'
Ys 3.49'
S.E. 0.05'/'

SPIRAL 44-07A
PI 1342+17.05
Ls 200.00'
Ys 3.49'
Xs 199.95'
LT 133.35'
ST 66.68'

CURVE	44-08
PI	1351+91.72
PC	1345+41.78
PT	1358+19.95
Δ	25° 33' 48.0" (RT)
D	2° 00' 00.0"
L	1,278.17'
T	649.93'
R	2,864.93' (ch.)
S.E.	0.03'/'



STAGE CONSTRUCTION SUMMARY

STAGE 1:

-BUILD WB LANES, OUTSIDE SHOULDER,
BRIDGE, SIDESLOPES, AND DRAINAGE

STAGE 2:

-BUILD EB LANES, SHOULDERS, BRIDGE,
SIDESLOPES, AND DRAINAGE.

NOTE: PRIMARY RECEIVING WATERS = RIVER DES PERES

APPENDIX 0



DATE PREPARED
\$DATE\$

ROUTE	ST
I - 44	M

DISTRICT	SHEE
SL	4

COUNTY
ST. LOUIS COU
ST. LOUIS C

JOB NO.
J6I30340

CONTRACT ID

PROJECT NO.

BRIDGE NO.

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INC.

SCRIPT
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Appendix P – Stormwater Preconstruction Conference Example Form

STORMWATER EROSION REQUIRED PRECONSTRUCTION CONFERENCE



Project Number:	District:	Res. Engr.:
Counties:	Route:	Location of Meeting: (The meeting MUST physically take place on-site)
Total Authorized Acreage:	Receiving Waters:	
Prime Contractor:	Date Compliance & Envir. Specialist Designated:	
Date of Grading Pre-Activity Meeting:		Date RE Assigned:
Date Water Pollution Control Manager Assigned:		
Is Project Environmentally Sensitive & Over 5 Acres?: Yes No		
Is Staff Properly Trained?: Yes No		Date Inspection Protocols in Place:
Sub-Contractors Involved :		
<i>If the prime contractor designates someone from a sub-contractor to be the Project Manager in responsible charge of grading and erosion control operations; including authorization to sign change orders and make all decisions related to grading operations, then that person shall attend this meeting.</i>		
Initial BMP installation Date(s):		
Pre-Con Meeting Date:		
Anticipated Commencement of Construction Activity Date:		
Handouts / Provide copies to share:		

Agenda:

STORMWATER EROSION REQUIRED PRECONSTRUCTION CONFERENCE



Excerpt from Consent Decree – Section V: Paragraph 27: Stormwater Erosion Preconstruction Conference.

At each Project, Defendant shall conduct an on-site Stormwater Erosion Control Preconstruction Conference before the commencement of Construction Activities.

- a. For purposes of this Paragraph, the commencement of Construction Activity does not include geotechnical investigations, surveying, environmental testing, plant (vegetation) salvage, or the initial installation of BMPs that are not sediment basins, provided none of these activities involve significant soil disturbance or require a federal, state, or local permit.
- b. This preconstruction conference shall be attended in person by the Stormwater Resident Engineer(s), Environmental Construction Inspector(s); and Water Pollution Control Manager for the Project and any project manager for any Contractors expected to be involved in land disturbance or erosion control activities. Parties at the conference shall physically inspect the Project site, review the SWPPP, ensure all initial BMPs required by the SWPPP are appropriate, in place and installed correctly, and discuss issues relating to compliance with Stormwater Requirements that could arise in the course of Construction Activity at the Project. Minutes of the conference shall be recorded and kept at the Project office. Where a Project involves Construction Activity at multiple locations in a widespread area, the Preconstruction Conference need not be held at each location where Construction Activity will occur, but may be held at one or a subset of such locations.

STORMWATER EROSION REQUIRED PRECONSTRUCTION CONFERENCE



ATTENDEE SIGN-IN SHEET

Contract ID:			
Name	Organization	Title	Phone #

STORMWATER EROSION REQUIRED PRECONSTRUCTION CONFERENCE



MEETING MINUTES:

DATE OF MEETING:

Appendix Q – Inspection Form from Stormwater Database



**MISSOURI DEPARTMENT OF TRANSPORTATION
LAND DISTURBANCE INSPECTION RECORD**

Project Number: J4U1108C		District: KC	
Route: 45		County(s): PLATTE	
Location: from Route 435 to Route K			
Inspection ID:	8353	Inspection Type:	Post-Runoff
Inspector Certified Date:	10/23/2017 - sardij1	RE Certified Date:	10/24/2017 - daultm1
WPCM Certified Date:	10/23/2017 - wpcmlark5		
Inspector:	SARDIGAL, JENNIFER		
Inspection Date:	10/23/2017	Date Entered:	10/23/2017
Inspection Acres Disturbed:	2		
Precipitation Inches:	3.00	Precipitation Duration:	48 Hours 0 Minutes

Land Disturbance Inspection Checklist

Current and updated SWPPP/site map on site when the erosion & sediment control inspector is on site and a copy given to the contractor? Yes

Permit public notification sign(s) posted and visible to the public? Yes

Are all erosion and sediment control BMPs properly installed, maintained, functioning as intended according to the SWPPP and depicted on the site map? If ?No?, explain each deficiency below. No

Deficiency ID: 5989 *Original Report*
Location: Sta. 1569 - N of 45 - bottom of slope
Description: Silt sock is not providing adequate protection.
Action Needed: Clean/adjust silt sock.
Correction Expected: 10/30/2017
Date Corrected: 10/26/2017

9/26/17 - JLS - silt sock cleaned

Attachment:



Deficiency ID: 5990 *Original Report*
Location: Sta. 1570 - N of 45 - Picco Silt fence
Description: Silt fence inadequate.
Action Needed: Repair/adjust silt fence to provide adequate BMP.
Correction Expected: 10/30/2017
Date Corrected: 10/26/2017

9/26/17 - JLS - silt fence repaired

Attachment:



Deficiency ID: 5991 *Original Report*
Location: Sta. 1683 - N of 45 - Near rock fill area.
Description: Sediment accumulation at silt fence
Action Needed: Remove sediment.
Correction Expected: 10/30/2017
Date Corrected: 10/26/2017

9/26/17 - JLS - sediment removed

Attachment:



Are BMPs in place to protect streams, wetlands and other environmentally sensitive areas from pollutants? If not, describe each deficiency.	Yes
Is trackout controlled at project entrance/exit points? If not, describe each deficiency.	Yes
Are active stormwater inlets susceptible to receiving sediment properly protected? If not, describe each deficiency.	Yes
Are Dewatering operations taking place on the project?	No
Does the project have a dewatering plan? (Required by permit if dewatering operations occurring.)	N/A
Are dewatering operations effectively removing pollutants from the water?	N/A
Are litter, construction debris, fuels, lubricants and other construction chemicals controlled? If not, describe each deficiency.	Yes
Have all temporary BMPs that are no longer necessary been removed and removal depicted on the site map?	Yes
Have all outfalls been observed for evidence of erosion and/or sediment deposition? If not, provide an explanation of which outfalls were observed and why others were not. Document the condition of the outfalls and if any corrective actions and/or additional BMPs are needed.	Yes
After observing the receiving stream(s) for 50 feet downstream of the outfall(s), was outfall protection adequate?	Yes

General Inspection Questions

Describe areas where land disturbance activities have temporarily or permanently ceased. (Excluding weather shutdowns)

Describe how these areas have been or will be stabilized.

n/a

Provide a brief description of the current project status with regard to erosion and sediment control and the effectiveness of BMPs.

As adequate grass growth is established erosion control items will be removed. Additional erosion items will be installed as necessary to prevent erosion over the winter.

Appendix R – Inspection Protocol

MoDOT Consent Decree



Inspection Protocol

August 2015

Consent Decree - Inspection Process

For any project that MoDOT engages in and includes land disturbance activities of greater than one acre the requirements of the Consent Decree shall be followed. For these projects MoDOT shall assign at least one trained inspector to perform inspections as required by the National Pollutant Discharge Elimination System (NPDES) stormwater permit. The permit requirements specify that inspections shall take place at least once per seven calendar days. In addition, if rainfall or snow melt causes stormwater runoff to occur onsite, inspections must occur within 48 hours after the rain event has ceased. If the runoff event ceases during a non-work day, such as a weekend or holiday, then the inspector has 72 hours to perform a site inspection of the Best Management Practices (BMPs).

Each inspection performed by MoDOT's trained inspector will answer all of the questions on the standard MoDOT Land Disturbance Inspection Checklist. The standard checklist is intended to be a comprehensive guide for the inspector to ensure all BMPs and other pollution control measures are installed and maintained within the requirements established in the NPDES permit and the Stormwater Pollution Prevention Plan (SWPPP). The inspector will perform this visual site inspection for evidence of erosion or sediment deposition throughout the project limits where any disturbance has occurred and where BMPs have been installed. All receiving streams shall be inspected 50 feet downstream of the outfall when practicable.

Upon completion of every inspection MoDOT's inspector conducting the inspection shall enter the report into the MoDOT Stormwater Database (Database). Each inspector should strive to enter the report into the Database as quickly as possible. Up to twenty-four hours to enter the electronic report will be allowed when wireless internet is available. In instances where wireless internet is not provided up to forty-eight hours will be permitted from when the inspection was performed to when it is entered into the online database.

All questions on the Inspection Checklist must be answered by the inspector before the Database will allow the inspector to certify the inspection report. If any deficiencies are found in the inspection process these should be clearly entered into the database individually. Detailed information about the deficiency should include but is not limited to: a detailed description of the deficiency, the location of the deficient item, actions needed to correct the noted stormwater deficiency, the dates actions will be taken to make the required correction deficiencies from a prior inspection were uncorrected and the reason it was uncorrected and whether proposed actions will require any changes to the site map/ SWPPP. Each item will remain in the database until corrective measures have been taken. Once the item is addressed the inspector shall indicate the date of the correction. Any changes required to the site map should also be made at this time. Inspections are not considered completed until the inspector certifies the report.

Consent Decree – Inspection Review and Approval Process

After MoDOT's trained inspector enters and certifies an inspection report it will simultaneously be available to both the MoDOT's Resident Engineer (RE) and the Contractor's Water Pollution Control Manager (WPCM). The RE and WPCM have up to three days to review the inspection report and certify

the report individually in MoDOT's Stormwater Database. After both MoDOT's RE and the Contractor's WPCM have individually reviewed and approved the report, the inspection process will be completed.

MoDOT Oversight of Environmentally Sensitive Areas

For any project that disturbs more than five acres of soil and is located in an environmentally sensitive area an independent oversight inspection shall occur. These inspections will be identified by MoDOT's Stormwater Compliance Coordinator. The Stormwater Compliance Coordinator will assign the respective trained oversight inspectors from MoDOT who will perform this inspection. This oversight inspection will follow the same process as weekly or post-run off inspections. The unannounced oversight inspection shall occur at least once every 90 days where there is active construction on the site. Upon completion of the site inspection the inspection report shall be completed by the oversight inspector. The inspector should strive to enter the report into the database as quickly as possible. Up to 24 hours to enter the electronic report will be allowed when wireless internet is available. In instances where wireless internet is not provided up to 48 hours will be permitted from when the inspection was performed to when it was entered into the online database.

Environmentally sensitive areas are any area that would be directly impacted by stormwater discharges from the project and that federally designed critical habitat for any federally listed threatened or endangered species or that contains an immediate downstream water body that is listed as impaired for sediment by the Missouri Department of Natural Resources (MDNR) under Section 303(d) of the Clean Water Act.

Stipulated Penalties – The Consent Decree Rules

Penalty	Penalty Amount	MoDOT	Contractor
#1. MoDOT shall assign a statewide stormwater compliance specialist	\$1000 initial violation \$750 every 14 days	Central Office Design will assign this person	N/A
#2. MoDOT shall assign one environmental inspector per project. The Contractor shall assign one WPCM per project	\$750 initial violation \$750 every 14 days (for each role)	Every project needs one inspector and a backup assigned	Every project needs one WPCM and a backup assigned
#3. All Individuals shall have up-to-date MoDOT stormwater training certification	\$750 initial violation \$750 every 14 days (for each role)	All REs, inspectors, employees with stop work authority or that work in SWPPP development must attend	WPCM and Contractor's on-site Project Manager. Any subcontractor with full project manager authority shall also attend training

Stipulated Penalties (Continued) - Summary

Penalty	Penalty Amount	MoDOT	Contractor
#4. Pre-activity stormwater meeting shall be held prior to any land disturbance	\$750 initial violation \$250 every day after	RE and Inspector must attend	WPCM must attend.
#5. MoDOT shall create and distribute an Inspection Protocol	\$750 per day	Central Office Design will create, update and distribute this document	N/A
#6. Inspections shall be performed per MoDOT's Permit and SWPPP	\$500 Initial Violation \$100 Every day after	Project inspector needs to perform weekly and post – runoff inspections	N/A
#7. Inspections shall be documented per MoDOT's Permit and SWPPP	\$100 per day	Inspection shall be entered 24 or 48 hours after performed, based on availability of wireless connection	N/A
#8. MoDOT's Resident Engineer and the Contractor's WPCM shall review and approve the inspection reports within 3 days	\$250 per day	RE shall review and approve each inspection report within 3 days	WPCM shall review and approve each inspection report within 3 days
#9. MoDOT oversight inspections shall be performed when required	\$1500 Initial Violation \$250 per day	Stormwater Compliance Specialist will assign. MoDOT Oversight will perform	WPCM will follow the same process used for weekly inspections
#10. Failure to comply with any NPDES permit or SWPPP requirement	\$1000 first 10 days \$2500 days 11-20 \$3500 days 21 +	Ensure project complies with the permit and SWPPP	Ensure project complies with the permit and SWPPP
#11. Failure to correct deficiency within 7 day per the SWPPP and Permit	\$1000 first 10 days \$2500 days 11-20 \$3500 days 21 +	Ensure deficiencies are all corrected with 7 days	Ensure deficiencies are all corrected with 7 days
#12. Enter deficiencies into database	\$200 per deficiency per day	Inspectors shall enter all deficiencies individually into the database	N/A
#13 Review Compliance	\$200 per day	REs review deficiencies for their projects every 7 days. Stormwater Compliance Coordinator reviews deficiencies for entire state every 14 day	N/A
#14. Submit a Spill Report	\$750 every late report \$750 every 14 days	Contact MoDOT Environmental if spill occurs on project	Contact MoDOT Environmental if spill occurs on project
#15. Any violation of the Consent Decree not listed in penalty #1 - #14	\$100 per day	Ensure Consent Decree is followed.	Ensure Consent Decree is followed

Appendix S – Notification of Inspection Protocol to Certified Individuals

MoDOT Consent Decree - Message (HTML)

File Message

Ignore X Delete Reply Reply All Forward More - Meeting PAGE III Team E-mail Done To Manager Rules - OneNote Mark Unread Categorize Follow Up Translate Find Related - Select - Zoom Show Sidebar

Delete Respond Quick Steps Move Actions - Tags Editing Zoom hi

You responded on Tuesday, August 18, 2015 8:52 PM.

From: ERIC T KOPINSKI Sent

To: ERIC T KOPINSKI

Cc: 'dave.fennewald@apac.com'; 'dlazier@gershenson.com'; 'carl.pendergrass@apac.com'; 'ed.evers@apac.com'; 'Roberts.Locsch@apac.com'; 'nchilton@rlpersons.com'; 'Justins@robertsoncontractors.com'; 'jszbuvo@hntb.com'; 'adam.goins@emerysapp.com'; 'f.wilson@ica-onramp.com'; 'sgerstner@gerstnerelectric.com'; 'Ryan.Conrath@gerstnerelectric.com'; 'tdiedmann@gerstnerelectric.com'; 'bschaniel@sheltholt@gerstnerelectric.com'; 'hal.brenton@emerysapp.com'; 'chris.howser@apac.com'; 'jason.rode@emerysapp.com'; 'blake.hastedde@emerysapp.com'; 'brian.sapp@emerysapp.com'; 'troy.hunt@emerysapp.com'; 'chris.landwehr@emerysapp.com'; 'jwhehmangontes@gmail.com'; 'shannon@lehmanconstructionllc.com'; 'kenny@lehmanconstructionllc.com'; 'ryan@lehmanconstructionllc.com'; 'burger.1023@gmail.com'; 'andrew.owen@emerysapp.com'

Subject: MoDOT Consent Decree

Message Final Consent Decree.pdf (3 MB) Inspection Protocol.pdf (307 KB)

All,

Per the requirements set forth in the Consent Decree you are to be provided a copy of the Consent Decree as well as the Inspection Protocol. Both of these documents are attached to MoDOT's website: www.modot.gov/ld

If you have any questions please do not hesitate to contact me.

Thanks,

Eric Kopinski
Stormwater Compliance Coordinator
573-751-2790

Retention Policy: Default 3 Year move to Recover Deleted Items (3 years) Expires: 8/17/2018

Click on a photo to see social network updates and email messages from this person.

Connect to social networks to show profile photos and activity updates of your colleagues in Outlook. Click here to add networks.

ERIC T KOPINSKI ERIC T KOPINSKI 'dave.fennewald@apac.c...' 'dlazier@gershenson.co...' 'carl.pendergrass@apac...' 'ed.evers@apac.com' 'Roberts.Locsch@apac.c...' 'nchilton@rlpersons.com'

Appendix T – Non-Compliance Occurrences for 2017

Non-Compliance Occurrences for 2017						
District	Contract ID	Route	Stipulated Penalty Violated	Stipulated Penalty Violation		Total
				Amount	Dates	
CD	150821-G01	54	Stipulated Penalty 13 - Failure of Stormwater Environmental Compliance Specialist, Stormwater Resident Engineer, or Water Pollution Control Manager to Review Compliance Database in Accordance with Paragraph 32.	\$200 per day the review is late	Stormwater Resident Engineer review was due 5/8/2017, review was conducted on 5/9/2017	\$200
SW	170120-H04	H	Stipulated Penalty 8 - Failure of Resident Engineer or WPCM to Review and Sign Inspection Reports in Accordance with Inspection Protocol as set forth in paragraphs 29-30.	\$250 per inspection report not reviewed or signed.	inspection report date 10/16/2017 with and RE certification date of 10/20/2017	\$250
KC	160623-C01	435	Stipulated Penalty 6 - Failure to conduct inspection reports in accordance with NPDES SW Permit, SWPPP, or Inspection Protocol as set forth in paragraphs 29-30.	\$500 for the initially missed inspection, \$100 per day until the next inspection is performed.	Post-Runoff inspection was not performed as documented on 10/7/2017, the next inspection was performed on 10/11/2017.	\$800
Total Anticipated Violation						Amount: \$1,250