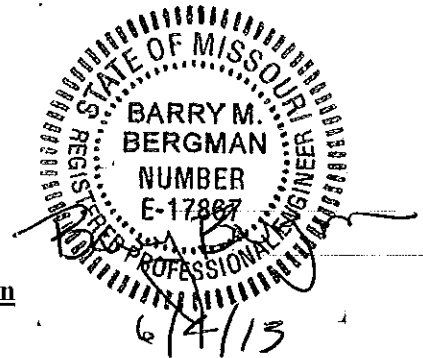


SCOPE OF WORK

St. Louis District,
Pipe and Inlet Replacement
Job Number #WRS�340A



Miscellaneous Contract Requirements and Specification

A. Work Location

Route 340 (8021 Olive Blvd.) Westbound, West of North and South Blvd. in front of Royal Banks
St. Louis County
Work Location is shown in Exhibit A of the contract documents.

B. Work Description

The purpose of this project is to replace an inlet and two sections of pipe that have settled and separated. The pipe and the inlet have been filled with rock and buried under a temporary cover of asphalt pavement. This work will consist of removing 7 tons of rock and asphalt, removing and replacing 16' of 12" Class III Reinforced Concrete Pipe (RCP) and a 2' x 2' Type D grate inlet, pavement repair and installing curb and gutter. All work shall be completed as shown on Exhibit A (plan sheet and culvert sheet), or as directed by the Commissions representative.

1.0 In addition, the contractor shall contact designated MoDOT personnel at least 10 working days prior to beginning work.

C. Project Contact for Contractor

All questions concerning this project during the construction process shall be forwarded to the project contact listed below.

John Lewis, Resident Engineer
Southwest Area Team
601 Salt Mill Road
Chesterfield, Missouri 63017

Telephone Number (314) 340-4285
Cell Phone Number (314) 565-6504
E-Mail John.Lewis@modot.mo.gov

D. Tabulation of Quantities

Removal of Improvements	1 Lump Sum
2'x2' Inlet - 2 linear feet	
12" Class III RCP - 16 linear feet	
Rock fill and Asphalt – approx. 7 tons	

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Class 3 Excavation	9 Cubic Yards
12" Class III RCP	16 Linear Feet
2'x2' Drop Inlet	2 Linear Feet
Curved Vane Grate & Frame	1 Each
Pavement Repair	11.7 Square Yards
Subgrade Compaction	12 Square Yards
3" Type 5 Aggregate (place over geotextile)	9 Square yards
Type 1 or 5 Aggregate	12 Square Yards
Full Depth Sawcut	41 Linear Feet
Dowel Bars	30 Each
Type A Concrete Curb & Gutter	20 Linear Feet
Contractor Furnished Surveying	1 Lump Sum
Geotextile (mirafi HP370)	12 Square Yards (Commission Furnished)

E. Traffic Control

All traffic control will be provided by MoDOT forces. The contractor shall contact designated MoDOT personnel at least 10 days prior to starting all construction activities to coordinate operations. Standard MUTCD compliant signs, channelizers, arrow boards, truck mounted attenuators, etc. will be used. At least one through traffic lane on westbound Route 340 (The contractor can use the two way turn lane for the westbound lane) shall be open at all times to maintain traffic flow. The traffic control plan is shown on Exhibit A.

F. Working Hours

The contractor will be allowed a weekend closure of one of the two westbound Rte. 340 lanes from 12:00PM on Saturday to 6:00AM on Monday. The weekend work hours require prior approval from designated MoDOT personnel.

G. Time for Completion of the Work

1.0 Description. Completion of this contract shall be in accordance with Sec 108.7 and will be administered on both a calendar date completion basis and by calendar days completion basis.

1.1 Regardless of when the work is begun on this contract, all work shall be completed on or before the date specified below. Completion by this date shall be in accordance with the requirements of Sec 108.7.

Completion Date: July 29, 2013.

1.2 In addition, calendar days for the completion of this contract have been established. The count of calendar days will start on the date the contractor starts any construction operations. All work shall be completed within the calendar days specified below. Completion of the work by calendar days shall be in accordance with the requirements of Sec 108.7.

Calendar Days: 3 consecutive days (Saturday at 12:00PM to Monday at 6:00AM)

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1.3 Should the contractor, or in case of default, the surety, fail to complete the work within the above specified calendar days or the completion date, whichever occurs first, a deduction of the amount shown below will be made for each day that the contract remains uncompleted in accordance with the requirements of Sec 108.8. These damages are in addition to any other damages as specified elsewhere in this contract.

Liquidated Damages Per Day: \$500.00

1.4 If all Work is not complete prior to the specified overall contract completion date, the contractor will be charged with an overall liquidated damage specified in the amount of **\$500.00** per day for each full day that the Work is not fully completed. This damage will be assessed independently of the liquidated damages (per project) as specified above.

H. UTILITIES JSP-93-26C

1.0 For informational purposes only, the following is a list of names, addresses, and telephone numbers of the known utility companies in the area of the construction work for this improvement:

<u>Utility Name</u>	<u>Known Required Adjustment</u>	<u>Type</u>
Mr. Vince Grelle Ameren Missouri 1901 Chouteau Avenue, MC 450 St. Louis, MO 63166-6149 Telephone: 314.992.9712 Email: vgrelle@ameren.com	None	Power
Mr. Terry Rogers AT&T Distribution 13075 Manchester Road Des Peres, MO 63131 Telephone: 636.957.3754 Email: tr5397@att.com	None	Communications
Mr. Steve Gerrein Charter Communications 815 Charter Commons Chesterfield, MO 63017 Telephone: 636.387.6641 Email: Steve.Gerrein@charter.com	None	Communications
Mr. Derek Dee XO Communications 101 Molloy Street	None	Communications

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Nashville, TN 37201 Telephone: 615.777.4723 Cell 615.207.1297 Email: derek.r.dee@xo.com		
Mr. Kent Thaemert Laclede Gas Company 6400 Graham Road St. Louis, MO 63134 Telephone: 314.522.2297 Email: Kthaemert@lacledegas.com	None	Gas
Mr. George Pappas MSD 2350 Market Street St. Louis, Missouri 63103-2555 Telephone: 314.768.2743 Email: GJPAPP@stlmsd.com	None	Sewer
Mr. Mike McMillion Missouri American Water Company 727 Craig Road St. Louis, MO 63141 Telephone: 314.996.2335 Email: Michael.McMillion@amwater.com	None	Water (See Below)

1.1 The existence and approximate location of utility facilities known to exist, as shown on the plans, are based upon the best information available to the Commission at this time. This information is provided by the Commission "as-is" and the Commission expressly disclaims any representation or warranty as to the completeness, accuracy, or suitability of the information for any use. Reliance upon this information is done at the risk and peril of the user, and the Commission shall not be liable for any damages that may arise from any error in the information. It is, therefore, the responsibility of the contractor to verify the above listing information indicating existence, location and status of any facility. Such verification includes direct contact with the listed utilities.

1.2 The contractor agrees that any effects of the presence of the utilities, their relocation, contractor's coordination of work with the utilities and any delay in utility relocation shall not be compensable as a suspension of work, extra work, a change in the work, as a differing site condition or otherwise including but, without limitation, delay, impact, incidental or consequential damages. The contractor's sole remedy for the effects of the presence of utilities, delay in their relocation or any other effects shall be an excusable delay as provided in Section 105.7.3. The contractor waives, for itself, its subcontractors and suppliers the compensability of the presence of utilities, delay in their relocation and any cost to the contractor, its subcontractors and suppliers in any claim or action arising out of or in relation to the work under the contract.

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1.3 The contractor shall be solely responsible and liable for incidental and consequential damage to any utility facilities or interruption of the service caused by it or its subcontractors operation. The contractor shall hold and save harmless the Commission from damages to any utility facilities interruption of service by it or it's subcontractor's operation.

2.0 **Missouri American Water Company** has two 12 inch water mains located under the proposed pipe replacement work. The mains are located approximately 13.5ft and 20.5ft north of the centerline of Route 340. The contractor shall use care will working in the vicinity of these water mains and shall not disturb them. The contractor shall coordinate the work in the vicinity of the water mains to permit them to have an on-site inspector to observe the work taking place as they deem necessary. Payment for compliance to this specification shall be at no direct pay.

3.0 It shall be noted by the contractor that MoDOT is a member of Missouri One Call (800 Dig Rite). Some work on this project may be in the vicinity of MoDOT utility facilities, which includes but is not limited to traffic signal cables, highway lighting circuits, ITS cables, cathodic protection cables, etc. Prior to beginning work, the contractor shall request locates from Missouri One Call.

I. Standard Specifications

All items and materials used for this contract shall be in accordance with the applicable portions of the Missouri Standard Specification Book for Highway Construction, and specifically as follows;

Section 206	Excavation for Structures
Section 304	Aggregate Base Course
Section 501	Concrete
Section 502	Portland Cement Concrete Base and Pavement
Section 604	Miscellaneous Drainage
Section 608	Concrete Median, Median Strip, Sidewalk, Curb Ramps, and Paved Approaches
Section 609	Paved Drainage
Section 613	Pavement Repair
Section 614	Drainage Fittings
Section 726	Rigid Pipe Culverts
Section 731	Precast Reinforced Concrete Manhole and Drop Inlets

This list is not all-inclusive. It shall be the Contractor's responsibility to perform all work in accordance with the prevailing Standard Specifications on the letting date of this contract.

J. Standard Plans

All material, equipment and construction requirements for items specified in this project shall be in accordance with the Missouri Standard Plans for Highway Construction. See Exhibit C for applicable standard plans.

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This list is not all-inclusive. It shall be the Contractor's responsibility to perform all work in accordance with the prevailing Standard Plans for Highway Construction on the letting date of this contract.