



ADDENDUM NUMBER 2

Project Number: 89008153 – STP-3451(403)

Project Title: Old Tiffany Springs Road and Donovan Drive

ISSUE DATE: **April 6, 2018**

Bidders are hereby notified that the Bidding and Contract Documents for the above project, for which Bids are to be received on **April 10, 2018**, are amended as follows:

The Bid Date for this project stated in Document 00130 – Invitation to Bid shall be changed to: 2:00 PM, on **April 17, 2018**.

Information to Bidders The following is provided to Bidders for information only:

Q1.	Are existing bridge plans available for the old NW Tiffany Springs bridge? Can they be made available to the bidders?
A1.	The existing bridge plans are already available as part of the bid documents – they are included as Appendix C. All of the appendices are included in a single PDF file that is available on the KCMO Plan Room website with the other Bid Documents.
Q2.	Will Builder Risk Insurance be required since this is a roadway/bridge project versus a building project. Building jobs normally require this.
A2.	All of the insurance requirements for this project are stated in the Bid Documents.
Q3.	In the Notice to Contractors, Section 20 – Required Contract Submissions for the above referenced project bidding on April 10, 2018, Part a defines the documents needed with the bid proposal. We are unable to locate in the provided bid specifications: (1) Form 00420 – Alternates (2) Anti-Collusion Statement.
A3.	Form 00420 is not required as part of this project. Anti-Collusion Statement to be inserted into Project Manual and included with Bids. Form attached to this addendum.

Contracting Requirements

1. Delete and replace the following section(s):
 - a. Delete Document, 00412 Unit Prices provided in Addendum 1 and replace with the following Document, 00412 Unit Prices included in this Addendum.

Specifications

1. 00130 Invitation to Bid – changes bid opening date to April 17, 2018.
2. 00210 Notice to Contractor – change the bid opening date to April 17, 2018.
3. Remove and replace 00412 Unit Prices with the document included in this Addendum.
 - a. Corrected quantities for item numbers 5 thru 8.
 - b. Corrected quantity for item number 12.
 - c. Corrected quantities for item numbers 19 and 20.
 - d. Corrected unit and quantity for item number 23.
 - e. Corrected quantities for item numbers 29 thru 32.
 - f. Corrected unit for item number 33.
 - g. Corrected item description for item numbers 36 and 37.
 - h. Corrected item description for item number 47.
 - i. Corrected unit for item numbers 48 thru 51.
 - j. Corrected quantity for item numbers 52 thru 54.
 - k. Removed item number 60 – 24” RCP End Section.
 - l. Corrected item description for item numbers 62 and 63.
 - m. Corrected unit for item numbers 65 thru 67.
 - n. Corrected unit for item number 70.
 - o. Corrected unit for item numbers 103 and 104.
 - p. Corrected quantities for item numbers 123 and 124.
 - q. Added item number 166 – Settlement Gauge.
4. Remove and Replace Appendix A with the document included in this addendum.
 - a. Bid item names updated to match changes in Document 00412.

Plan Sheets

1. Remove and Replace Sheet 002 with document included in this addendum.
 - a. Earthwork quantities updated.
 - b. Bid item for Form Liner updated.
2. Remove and Replace Sheet 003 with document included in this addendum.
 - a. Revised table showing earthwork quantity by phases.
3. Remove and Replace Sheet 006 with document included in this addendum.
 - a. MSE wall table updated to show correct units for the graffiti and masonry protection.

NOTE: Bidders must acknowledge receipt of this Addendum by listing the number and date, where provided, on the Bid Form - Document 00410.

APPENDIX A	
List of Bid Items By Standard	
KCMO/APWA Bid Items	
Mobilization	
Contractor Furnished Surveying & Staking	
Clearing & Grubbing	
Removal of Improvements (Demolition)	
Excavation	
Embankment	
Borrow	
Type 5-01 Surface Asphalt (2")	
Type 1-01 Base Asphalt (3")	
Type 1-01 Base Asphalt (5")	
Type 1-01 Base Asphalt (7")	
Type 1-01 Base Asphalt (9")	
Untreated Compacted Aggregate	
Concrete Curb & Gutter (CG-1)	
Modified Concrete Curb & Gutter (CG-1 Dry)	
Concrete Curb (C-1)	
4" Concrete Median	
8" Concrete Driveways	
6" Concrete Trail	
4" Concrete Sidewalk	
Concrete Curb Ramp	
Truncated Domes	
Milling (Cold Milling)	
Std. Type I Curb Inlet (5'x3' Inside)	
Std. Type I Curb Inlet (5'x4' Inside)	
Std. Type I Curb Inlet (5'x5' Inside)	
Std. Type I Curb Inlet (8'x3' Inside)	
Std. Type I Curb Inlet (8'x4' Inside)	
Std. Manhole (5' Dia.)	
Std. Junction Box (5'x3' Inside)	
Std. Junction Box (7'x7' Inside)	
Std. Junction Box (8'x4' Inside)	
Basin Outlet Structure (4'x4' Inside)	
Std. Field Inlet (5'x5' Inside)	
Convert Ex. Field Inlet to Junction Box (6.5'x4')	
15" RCP (Class III, Wall B)	
18" RCP (Class III, Wall B)	
24" RCP (Class III, Wall B)	
54" RCP (Class III, Wall B)	
60" RCP (Class III, Wall B)	
36" RCP (Class V)	
18" RCP End Section	
24" RCP End Section	
36" RCP End Section	
54" RCP End Section	
60" RCP End Section	
Connection to Existing Structure	
Rip-rap (Ungrouted 10")	
Rip-rap (Ungrouted 14")	
Silt Fence (Sediment Fence)	
Temporary Diversion Berm (Diversion)	
Inlet Protection	
Rock Check Dam	
Temporary Construction Entrance	
Seeding	
Sod	
Lime	
Fertilizer	
Mulch	
Type 'A' Led Light Fixture And Lamp	
Type 'A' Pole (35'-0)	
Type 'Ab' Led Light Fixture And Lamp On The Bridge	
Type 'Ab' Pole (35'-0) On The	
Type 'B' And 'B1' Led Light Fixture	
Type 'B' And 'B1' Pole (35'-0)	
Type 'C' Led Light Fixture	
Type 'C' Pole (35'-0)	
Mast Arm (6'-0")	
Mast Arm (8'-0")	
Mast Arm (10'-0")	
1#10 Rhw/Use Internal Pole	
2#6 Rhh/Rhw?Use, 1 #6 Cu Gnd, 2" Cid	
2#8 Rhh/Rhw?Use, 1 #8 Cu Gnd, 2" Cid	
3" Hdpe Conduit	
1#6 Bare Wire	
4 Circuit Lighting Controller	
Ground Rod	
Fuse Kits	
Non Fused Fused Kits	
Cable Retainer	

Pull Box
Lighting Screw In Pole Base
Id Tags
Concrete Foundation For Lighting Controller
Kcpl Service
Trench And Backfill
Power For Kcpl Power Sources
Anchor Bolts For Light Poles On The Bridge
Removal Of Street Light Poles On NW Avion Street
MoDOT Bid Items
9.5" Concrete Pavement
8" Concrete Pavement
Type A2 Shoulder
4" Type 1 Aggregate Base
Portland Cement Concrete Shoulder Rumble Strip
Temporary Shoring
Concrete Traffic Barrier, Type A
Concrete Traffic Barrier, Type D
MGS Vertical Barrier Transition Section
MGS Guardrail System
Type A Crashworthy End Terminal (MASH)
MGS End Anchor
18" Pipe Collar (Type A)
Impact Attenuator (19 Sand Barrels)
Replacement Sand Barrel
Truck Or Trailer Mounted Attenuator (Tma)
Construction Signs
Advanced Warning Rail System
Flag Assembly
Relocated Signs
Channelizer (Trim Line)
Type Iii Moveable Barricade
Directional Indicator Barricade
Flashing Arrow Panel
Warning Light, Type A
Sequential Flashing Warning Light
Changeable Message Sign W/O Comm. Interface, Contractor Furnished/Retained
Ada-Compliant Type Ii Barricade
Temporary Traffic Barrier, Contractor Furnished / Retained
Relocating Temporary Traffic Barrier
Type 2 Preformed Marking Tape (Grooved), 24 In., White
Type 2 Preformed Marking Tape (Grooved), Left/Right Arrow
Preformed Removable Marking Tape 4 In., White
Preformed Removable Marking Tape 4 In., Yellow
6 In. White High Build Waterborne Pavement Marking Paint, Type L Beads
6 In. Yellow High Build Waterborne Pavement Marking Paint, Type L Beads
12 In. White High Build Waterborne Pavement Marking Paint, Type L Beads
4 In. Yellow High Build Waterborne Pavement Marking Paint, Type L Beads
Sh-Flat Sheet Signing
St-Structural Signing
Sign Posts
Highway Sign Truss (25.0' Cantilever)
Highway Sign Truss (76.0')
Concrete Footings, Bolt Down
Class 1 Excavation
Removal of Existing Bridge & Wall (A1794)
Bridge Approach Slab (Minor Road)
Pedestrian Fence (Structures)
Pedestrian Handrail (Structures)
Structural Steel Piles (12 in.)
Pile Point Reinforcement
Class B Concrete (Substructure)
Safety Barrier Curb
Slab On Concrete NU-Girder
NU 63, Prestressed Concrete NU-Girder
Reinforcing Steel (Bridges)
Reinforcing Steel (Epoxy Coated)
Conduit System on Structure
Steel Intermediate Diaphragm for P/S Concrete Girders
Vertical Drain At End Bents
Laminated Neoprene Bearing Pad
Laminated Neoprene Bearing Pad (Tapered)
MSE Wall System
Modified Type A Gutter
Sacrificial Graffiti Protection
Concrete & Masonry Protection
Furnishing Type 2 Rock Blanket
Placing Type 2 Rock Blanket
Settlement Gauge

Job Special Bid Items
10'x10' RCB Pedestrian Box w/ Headwalls/Wingwalls
Round 3-Rail Wood Fence
42" Black Vinyl Coated Chain Link Fence
60" Black Vinyl Coated Chain Link Fence
HDPE Lining
Dynamic Pile Testing
Pipe Pile Spacers
Form Liners

EARTHWORK BY PHASE							
ROADWAY	STATION BEGIN	STATION END	SIDE	CUT (C.Y.)	FILL (C.Y.)	BORROW (C.Y.)	COMMENTS
TIFFANY SPRINGS & TRAIL	133+00	147+00	RT/LT	14042	32373	18331	Includes Wall 1
TIFFANY SPRINGS & TRAIL	149+50	154+50	RT/LT	6500	22389	15889	Includes Wall 2
I-29 SHOULDER	625+89	627+96	MED/LT	154	48	-106	
DONOVAN DRIVE	10+75	23+00	RT/LT	2625	595	-2030	
I-29 SP. DT. LT.	628+50	630+50	LT	1854	0	-1854	
TOTAL PHASE 1				25175	55405	30230	30230 CY Borrow
TIFFANY SPRINGS & TRAIL	154+50	162+00	RT/LT	23659	18823	-4836	
I-29 SP. DT. LT.	630+50	632+40	LT	3765	0	-3765	
TOTAL PHASE 2				23659	18823	-8601	8601 CY Excess
PRAIRIE VIEW	29+20	33+20		1291	3302	2011	
I-29 WIDENING	625+89	633+28		1895	192	-1703	
TOTAL PHASE 3				3186	3494	309	Use Excess From Phase 2
PROJECT TOTAL				52019	77722	30230	8292 CY To Be Wasted

CONCRETE CURB & GUTTER							
ROADWAY	STATION BEGIN	STATION END	SIDE	MODIFIED CURB & GUTTER TYPE CG-1 (Dry) (L.F.)	CURB & GUTTER TYPE CG-1 (L.F.)	CURB TYPE C-1 (L.F.)	REMARKS
TIFFANY SPRINGS	133+46.0	133+74.8	LT		34		OUTSIDE EOP
TIFFANY SPRINGS	133+46.0	133+74.8	RT		34		OUTSIDE EOP
TIFFANY SPRINGS	134+25.2	134+54.0	LT	34			OUTSIDE EOP
TIFFANY SPRINGS	132+21.3	132+47.7	LT		31		OUTSIDE EOP
TIFFANY SPRINGS	132+81.5	133+07.5	LT	32			OUTSIDE EOP
TIFFANY SPRINGS	135+46.0	135+74.8	LT		34		OUTSIDE EOP
TIFFANY SPRINGS	135+46.0	135+74.8	RT		34		OUTSIDE EOP
TIFFANY SPRINGS	136+25.2	136+54.0	LT	34			OUTSIDE EOP
TIFFANY SPRINGS	136+25.2	136+54.0	RT	34			OUTSIDE EOP
TIFFANY SPRINGS	138+10.1	138+64.4	LT		32		OUTSIDE EOP
TIFFANY SPRINGS	138+64.4	138+89.9	LT	32			OUTSIDE EOP
TIFFANY SPRINGS	139+54.5	139+82.1	RT		32		OUTSIDE EOP
TIFFANY SPRINGS	140+17.9	140+45.5	RT	32			OUTSIDE EOP
TIFFANY SPRINGS	133+50.0	135+46.0	LT		196		OUTSIDE EOP
TIFFANY SPRINGS	133+50.0	135+46.0	RT		196		OUTSIDE EOP
TIFFANY SPRINGS	134+54.0	138+10.1	LT	156			OUTSIDE EOP
TIFFANY SPRINGS	136+54.0	139+54.5	RT	295			OUTSIDE EOP
TIFFANY SPRINGS	138+89.9	146+12.6	LT		714		OUTSIDE EOP
TIFFANY SPRINGS	140+45.5	146+30.4	RT		559		OUTSIDE EOP
TIFFANY SPRINGS	149+90.2	159+56.9	LT	951			OUTSIDE EOP
TIFFANY SPRINGS	159+93.1	160+15.0	LT	27			OUTSIDE EOP
TIFFANY SPRINGS	160+15.0	161+39.4	LT	154			OUTSIDE EOP
TIFFANY SPRINGS	150+08.0	161+67.1	RT		1,153		OUTSIDE EOP
TIFFANY SPRINGS	133+11.9	135+59.5	LT/RT	504			MEDIAN, INCLUDES NOSES
TIFFANY SPRINGS	136+41.5	139+62.2	LT/RT	653			MEDIAN, INCLUDES NOSES
TIFFANY SPRINGS	140+33.5	146+22.0	LT/RT	1,179			MEDIAN, INCLUDES NOSES
TIFFANY SPRINGS	149+98.7	153+21.2	LT			323	MEDIAN
TIFFANY SPRINGS	149+99.7	153+21.2	RT			321	MEDIAN
TIFFANY SPRINGS	153+21.2	161+85.4	LT	869			MEDIAN, INCLUDES NOSES
TIFFANY SPRINGS	153+21.2	161+85.4	RT	870			MEDIAN, INCLUDES NOSES
DONOVAN DRIVE	10+73.5	23+13.4	LT		1,250		OUTSIDE EOP
DONOVAN DRIVE	10+75.7	15+87.7	RT		526		OUTSIDE EOP
DONOVAN DRIVE	16+11.6	16+36.5	RT	38			OUTSIDE EOP
DONOVAN DRIVE	16+36.5	23+05.1	RT		659		OUTSIDE EOP
PROJECT TOTAL				5,894	5,485	644	

PAVING SUMMARY															
ROADWAY	STATION BEGIN	STATION END	SIDE	TYPE 5-01 ASPHALTIC CONC SURFACE (2") (S.Y.)	TYPE 1-01 ASPHALTIC CONC BASE (7") (S.Y.)	TYPE 1-01 ASPHALTIC CONC BASE (9") (S.Y.)	TYPE 1-01 ASPHALTIC CONC BASE (5") (S.Y.)	TYPE 1-01 ASPHALTIC CONC BASE (3") (S.Y.)	UNTREATED COMPACTED AGGREGATE (6") (S.Y.)	9.5" CONCRETE PAVEMENT (S.Y.)	8" CONCRETE SHOULDER (S.Y.)	TYPE A2 SHOULDER (S.Y.)	4" TYPE 1 AGG. BASE (S.Y.)	EDGE LINE RUMBLE STRIP (STA)	
TIFFANY SPRINGS	132+21.00	133+48.00	LT/RT	917.0											
TIFFANY SPRINGS	133+48.00	146+40.00	LT/RT	7745.6		7745.6	1606.5		9849.4						
TIFFANY SPRINGS	149+99.11	161+90.00	LT/RT	7022.6		7022.6	1315.5		8338.1						
TIFFANY SPRINGS	161+90.00	161+95.00	LT/RT	50.0											
DONOVAN DRIVE	10+70.00	10+74.62	LT/RT	19.0											
DONOVAN DRIVE	10+74.62	23+15.00	LT/RT	4551.9	4551.9			798.7	5350.6						
DONOVAN DRIVE	23+15.00	24+17.80	LT/RT	486.0											
PRAIRIE VIEW	29+20.00	33+20.00	LT/RT	1495.5	1495.5				1585.2						
I-29	625+88.71	627+95.97	LT								140.0		140	2.1	
I-29	626+20.00	627+20.00	RT/LT									177.8	178		
I-29	628+11.15	633+28.24	RT							521.9		341.2	863	5.2	
I-29	634+20.00	634+60.00	RT/LT									71.1	71		
PROJECT TOTAL				22,287.6	6,047.4	14,768.2	2,922.0	798.7	25,123.3	521.9	140.0	590.1	1,252.0	7.3	

REMOVAL OF IMPROVEMENTS							
ROADWAY	STATION BEGIN	STATION END	SIDE	DESCRIPTION	QUANTITY	UNITS	COMMENTS
I-29	584+58	654+89	RT/LT	PAVEMENT MARKING	9,532	LF	
I-29	603+25		RT	CANTILEVER TRUSS & FOUNDATION	1	EA	FOUNDATION TO 18" BELOW GROUND
I-29	603+00	603+50	RT	GUARDRAIL	50	LF	REMOVE & REINSTALL
I-29	607+85	608+35	RT	GUARDRAIL	50	LF	REMOVE & REINSTALL
I-29	615+55		RT	PAVEMENT MARKING SYMBOL	1	EA	
I-29	621+75		RT	PAVEMENT MARKING SYMBOL	1	EA	
I-29	625+27	627+98	RT/LT	BARRIER	271	LF	MEDIAN
I-29	625+89	627+96	LT	ASPHALT SHOULDER	148	SY	OUTSIDE
I-29	626+20	627+20	RT/LT	ASPHALT SHOULDER	178	SY	INSIDE
I-29	627+98		RT	PAVEMENT MARKING SYMBOL	1	EA	
I-29	628+11	631+30	RT	GUARDRAIL	319	LF	OUTSIDE SHOULDER
I-29	628+11	631+11	RT	CONCRETE PAVEMENT & SHOULDER	339	SY	WIDENING
I-29	631+11	633+28	RT	ASPHALT PAVEMENT & SHOULDER	306	SY	WIDENING
I-29	631+38	632+18	LT	BARRIER	80	LF	RAMP MEDIAN
I-29	632+18		LT	IMPACT ATTENUATOR	1	EA	RAMP MEDIAN
I-29	631+38	631+56	RT	BARRIER	18	LF	OUTSIDE SHOULDER
I-29	631+00	631+98	LT	EXIST. WALL	1	EA	RAMP SHOULDER
I-29	631+98	633+19	LT	GUARDRAIL	121	LF	RAMP SHOULDER
I-29	626+20	627+20	RT/LT	SHOULDER	71	SY	INSIDE
PRAIRIE VIEW ROAD	28+18	31+15	RT	GUARDRAIL	314	LF	
PRAIRIE VIEW ROAD	29+20	31+15	RT/LT	PAVEMENT	579	SY	
PRAIRIE VIEW ROAD	30+12	31+15	LT	GUARDRAIL	150	LF	
PRAIRIE VIEW ROAD	31+50	33+07	RT	GUARDRAIL	164	LF	
PRAIRIE VIEW ROAD	31+50	33+10	LT	GUARDRAIL	199	LF	
PRAIRIE VIEW ROAD	31+50	33+20	RT/LT	PAVEMENT	894	SY	
TIFFANY SPRINGS	132+32	132+97	LT	SIDEWALK	318	SF	
TIFFANY SPRINGS	132+21	133+08	LT	CURB	86	LF	
TIFFANY SPRINGS	133+64		RT	FIELD INLET	1	EA	
TIFFANY SPRINGS	133+36	133+64	RT	24" STORM SEWER	28	LF	
TIFFANY SPRINGS	113+10	148+20	RT/LT	PAVEMENT	5,143	SY	
TIFFANY SPRINGS	146+73	147+02	LT	PAVEMENT	136	SY	
TIFFANY SPRINGS	152+32	161+69	RT/LT	PAVEMENT	5,419	SY	
TIFFANY SPRINGS	145+66	146+25	RT	CONCRETE FLUME	242	SY	
TIFFANY SPRINGS	139+10	139+29	RT	15" STORM SEWER	20	LF	
TIFFANY SPRINGS	140+87	141+98	LT	WALL	1	EA	
TIFFANY SPRINGS	145+42		RT	FIELD INLET	1	EA	SOUTH END OF EXISTING BASIN
TIFFANY SPRINGS	145+42	145+70	RT	24" STORM SEWER	35	LF	
TIFFANY SPRINGS	145+71		LT	FIELD INLET	1	EA	NORTH END OF EXISTING BASIN
TIFFANY SPRINGS	145+68	145+98	LT	36" STORM SEWER	79	LF	
TIFFANY SPRINGS	146+58	146+92	LT	12" STORM SEWER	38	LF	ABANDON IN PLACE
TIFFANY SPRINGS	146+38	146+58	LT	12" STORM SEWER	20	LF	
TIFFANY SPRINGS	146+72	146+92	LT	24" STORM SEWER	153	L.F	
TIFFANY SPRINGS	146+92		LT	STORM MANHOLE	1	EA	
TIFFANY SPRINGS	146+71	147+01	LT	CURB	64	LF	
TIFFANY SPRINGS	146+12	148+02	RT	GUARDRAIL	320	LF	
TIFFANY SPRINGS	152+00	154+93	RT	GUARDRAIL	1,094	LF	
PROJECT TOTAL					1 LUMP SUM		
* REMOVAL LIST FOR INFORMATION ONLY AND MAY NOT BE ALL INCLUSIVE.							
** REMOVAL OF BRIDGE & RELATED WALLS TO BE PAID FOR AS SEPARATE BID ITEM.							

CONCRETE MEDIAN (PCC PAVEMENT, 4")				
ROADWAY	STATION BEGIN	STATION END	SIDE	CONCRETE MEDIAN, 4 IN. (S.F.)
TIFFANY SPRINGS	145+50.00	146+21.49	LT/RT	300.5
TIFFANY SPRINGS	149+99.11	153+60.11	LT/RT	999.8
PROJECT TOTAL				1300.3

CONCRETE DRIVEWAYS					
ROADWAY	STATION BEGIN	STATION END	SIDE	CONCRETE DRIVEWAYS (8 IN.) (S.F.)	REMARKS
TIFFANY SPRINGS	132+21.27	133+07.48	LT	751.0	DRIVEWAY
TIFFANY SPRINGS	135+46.00	136+54.00	LT	1,043.0	DRIVEWAY
TIFFANY SPRINGS	135+46.00	136+54.00	RT	1,044.0	DRIVEWAY
TIFFANY SPRINGS	138+10.12	138+89.88	LT	745.0	DRIVEWAY
TIFFANY SPRINGS	139+54.48	140+45.52	RT	761.0	DRIVEWAY
TIFFANY SPRINGS	159+35.00	160+15.00	LT	649.0	DRIVEWAY
DONOVAN DRIVE	15+62.65	16+36.54	RT	842.0	DRIVEWAY
PROJECT TOTAL				5,835.0	

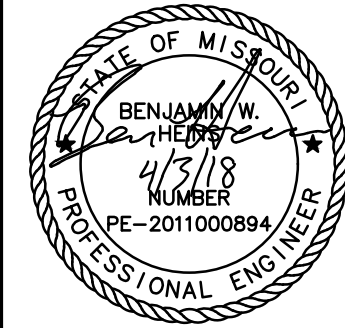
CLEARING & GRUBBING	
ROADWAY	QUANTITY L.S.
TIFFANY SPRINGS	1

MILLING SUMMARY				
ROADWAY	STATION BEGIN	STATION END	SIDE	COLD MILLING (S.Y.)
TIFFANY SPRINGS	132+21	133+48	LT/RT	917
TIFFANY SPRINGS	161+90	161+95	LT/RT	50
DONOVAN DRIVE	10+70	10+75	LT/RT	19
DONOVAN DRIVE	23+15.00	24+17.80	LT/RT	486
PROJECT TOTAL				1,472

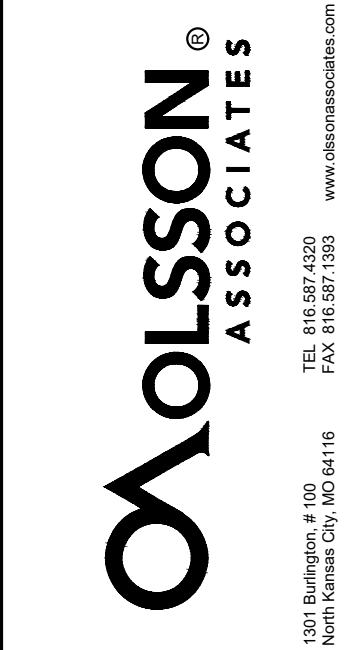
Addendum 2

04-03-2018

Location: L:\Projects\11033-01\Plans\Construction Documents\Street & Storm 36x24\QTY - .dwg



Benjamin W. Heins,
P.E.
MO# 2011000894
Reviewed By: B.W.H.
Designed By: B.W.H.
Drafted By: S.S.K.
Lutjen Project No.: 15089



DATE
06/02/2017
Sheet No.:
3

GENERAL NOTES:

1. THE CONSTRUCTION COVERED BY THESE PLANS SHALL CONFORM TO THE CURRENT STANDARDS AND SPECIFICATIONS OF THE PUBLIC WORKS DEPARTMENT, KANSAS CITY, MISSOURI.
2. ALL MANHOLES, CATCH BASINS, UTILITY VALVES, AND METER PITS TO BE ADJUSTED OR REBUILT TO GRADE AS REQUIRED.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL DOWNSTREAM EROSION AND SILTATION DURING ALL PHASES OF CONSTRUCTION.
4. PRIOR TO ORDERING PRE-CAST STRUCTURES, SHOP DRAWINGS ARE TO BE SUBMITTED TO THE DESIGN ENGINEER FOR APPROVAL.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING ROCK ELEVATIONS AT 25 FOOT (MAXIMUM) INTERVALS WHERE ENCOUNTERED, AND FURNISHING THIS INFORMATION TO THE DESIGN ENGINEER FOR USE ON "AS-BUILT" PLANS.
6. EROSION CONTROL PLANS AND PROCEDURES SHALL BE IN PLACE PRIOR TO ANY EXCAVATION.
7. CONTRACTOR SHALL PROVIDE EARTHWORK AND MATERIAL TESTING TO COMPLY WITH THE STANDARD SPECIFICATIONS OF THE PUBLIC WORKS DEPARTMENT, KANSAS CITY, MISSOURI.
8. TRENCH BACKFILL FOR STORM SEWERS WITHIN PUBLIC STREET RIGHTS OF WAY SHALL CONFORM TO THE FLOWABLE FILL REQUIREMENTS PER THE REVISED APWA SECTION 2602.3.C, DATED APRIL 2000.
9. CONTRACTOR SHALL OBTAIN A HAULING PERMIT FOR THE PUBLIC WORKS DEPARTMENT (PWD), 816-513-2670, BY MAKING APPLICATION FIVE DAYS IN ADVANCE.
10. TEMPORARY LANE CLOSURE OR LOCATIONS THAT WARRANT TRAFFIC CONTROL DEVICES OR FLAGGING OPERATIONS IN CITY RIGHT OF WAY REQUIRE A TRAFFIC CONTROL PERMIT FROM THE PWD (/kcmo.gov/publicworks/permits). CONTRACTOR SHALL SUBMIT THEIR TEMPORARY TRAFFIC CONTROL PLAN WITH THEIR APPLICATION TEN (10) DAYS IN ADVANCE.
11. ENTRY AND EXIT LOCATIONS FOR ALL CONSTRUCTION EQUIPMENT SHALL BE CONTROLLED FOR EROSION AND VEHICULAR TRAFFIC.
12. THE DEVELOPER SHALL CONTACT PWD, STREETS & TRAFFIC DIV. AT 513-9855 OR 513-9886, AT LEAST 48 HOURS IN ADVANCE PRIOR TO PLACEMENT OF PAVEMENT MARKINGS FOR INSPECTION OF STRIPING LAYOUT AND THE DATE OF STOP SIGN INSTALLATION.
13. LINEAR FOOT MEASUREMENTS SHOWN ON THE PLANS ARE HORIZONTAL MEASUREMENTS (NOT SLOPE MEASUREMENTS) FROM CENTER OF STRUCTURE TO CENTER OF STRUCTURE OR END OF END SECTION, UNLESS OTHERWISE NOTED.
14. THE UTILITY LOCATION SHOWN ON THESE PLANS ARE SHOWN IN AN APPROXIMATE WAY ONLY AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVE. THE UTILITY INFORMATION IS NOT MEANT TO BE ALL INCLUSIVE. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. UTILITIES DAMAGED THROUGH THE NEGLIGENCE OF THE CONTRACTOR TO OBTAIN THE LOCATION OF SAME SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
15. THE CONTRACTOR SHALL UTILIZE THE FOLLOWING TOLL FREE PHONE NUMBER PROVIDED BY "MISSOURI ONE CALL SYSTEM, INC." 1-800-DIG-RITE. THIS PHONE NUMBER IS APPLICABLE ANYWHERE WITHIN THE STATE OF MISSOURI.
16. THE CONTRACTOR MUST REMOVE AT HIS COST ANY BAD SUBSURFACE SOIL WHICH WOULD NOT BE ABLE TO SUPPORT ANY PROPOSED PUBLIC IMPROVEMENT. BACKFILL SHALL BE ACCOMPLISHED IN ACCORDANCE WITH SECTIONS 2100 AND 2201 ENTITLED "GRADING AND SITE PREPARATION" AND "SUBGRADE PREPARATION".
17. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL TRAFFIC HANDLING MEASURES NECESSARY TO ENSURE THAT THE GENERAL PUBLIC IS PROTECTED AT ALL TIMES. TRAFFIC CONTROL SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD - LATEST EDITION).
18. CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL PUBLIC ROADWAYS ADJACENT TO THE CONSTRUCTION SITE FREE OF DIRT AND DEBRIS RESULTING FROM ACTIVITIES RELATED TO THE CONSTRUCTION OF THIS PROJECT. INSPECTIONS AND CLEANUP TO OCCUR ON A DAILY BASIS.
19. CONTRACTOR TO INSTALL ALL SIDEWALK ADA RAMPS PER CURRENT CITY STANDARDS. ALL SIDEWALKS AND TRAILS SHALL BE ADA COMPLIANT FOR ACCEPTABLE CROSS SLOPE AND RUNNING GRADE.
20. ALL CONSTRUCTION, EROSION CONTROL, AND TRAFFIC CONTROL OCCURRING WITHIN OR IMPACTING MODOT RIGHT OF WAY SHALL BE CARRIED OUT IN ACCORDANCE WITH MISSOURI STANDARD SPECIFICATION FOR HIGHWAY CONSTRUCTION 2016.
21. THE CONTRACTOR IS RESPONSIBLE FOR ACCESS TO THE PROJECT SITE AND SHALL OBTAIN PERMISSION FROM ADJACENT PROPERTY OWNERS. APPROPRIATE PERMITS FROM THE CITY OF KANSAS CITY, MO AND THE MISSOURI DEPARTMENT OF TRANSPORTATION SHALL BE OBTAINED PRIOR TO ACCESSING THE SITE.

OVERALL SUMMARY OF QUANTITIES

SHEET	ITEM	QUANTITY	UNIT
6	Mobilization	1	L.S.
6	Contractor Furnished Surveying & Staking	1	L.S.
3	Clearing & Grubbing	1	L.S.
3	Removal of Improvements	1	L.S.
3	Excavation	52,019	C.Y.
3	Embankment	77,722	C.Y.
3	Borrow	30,230	C.Y.
3	Type 5-01 Surface Asphalt (2")	22,288	S.Y.
3	Type 1-01 Base Asphalt (3")	799	S.Y.
3	Type 1-01 Base Asphalt (5")	2,922	S.Y.
3	Type 1-01 Base Asphalt (7")	6,047	S.Y.
3	Type 1-01 Base Asphalt (9")	14,768	S.Y.
3	Untreated Compacted Aggregate	25,123	S.Y.
3	9.5" Concrete Pavement	522	S.Y.
3	8" Concrete Pavement	140	S.Y.
3	Type A2 Shoulder	590	S.Y.
3	4" Type 1 Aggregate Base	1,252	S.Y.
3	Portland Cement Concrete Shoulder Rumble Strip	7.3	STA.
3	Curb & Gutter Type CG-1	5,485	L.F.
3	Modified Curb & Gutter Type CG-1 (Dry)	5,894	L.F.
3	Curb Type C-1	644	L.F.
3	4" Concrete Median	1,300	S.F.
3	8" Concrete Driveways	5,835	S.F.
4	6" Concrete Trail	24,735	S.F.
4	10'x10' RCB Pedestrian Box w/ Headwalls/Wingwalls	166	L.F.
4	Round 3-Rail Wood Fence	1,067	L.F.
4	42" Black Vinyl Coated Chain Link Fence	246	L.F.
4	60" Black Vinyl Coated Chain Link Fence	2,012	L.F.
4	4" Concrete Sidewalk	24,991	S.F.
4	Concrete Curb Ramp	665	S.F.
4	Truncated Domes	130	S.F.
3	Milling	1,472	S.Y.
6	Temporary Shoring	697	S.F.
6	Type A Concrete Barrier	442	L.F.
6	Type D Concrete Barrier	210	L.F.
6	MGS Vertical Barrier Transition Section	1	EA.
6	MGS Guardrail	473	L.F.
6	Type A Crashworthy End Terminal (MASH)	4	EA.
6	MGS End Anchor	2	EA.
4	Std. Type I Curb Inlet (5'x3' Inside)	13	EA.
4	Std. Type I Curb Inlet (5'x4' Inside)	3	EA.
4	Std. Type I Curb Inlet (5'x5' Inside)	1	EA.
4	Std. Type I Curb Inlet (8'x3' Inside)	1	EA.
4	Std. Type I Curb Inlet (8'x4' Inside)	1	EA.
4	Std. Manhole (5' Dia.)	1	EA.
4	Std. Junction Box (5'x3' Inside)	1	EA.
4	Std. Junction Box (7'x7' Inside)	1	EA.
4	Std. Junction Box (8'x4' Inside)	1	EA.
4	Basin Outlet Structure (4'x4' Inside)	1	EA.
4	Std. Field Inlet (5'x5' Inside)	1	EA.
4	Convert Ex. Field Inlet to Junction Box (6.5'x4')	1	EA.
4	15" RCP (Class III, Wall B)	1882	L.F.
4	18" RCP (Class III, Wall B)	392	L.F.
4	24" RCP (Class III, Wall B)	963	L.F.
4	54" RCP (Class III, Wall B)	40	L.F.
4	60" RCP (Class III, Wall B)	55	L.F.
4	36" RCP (Class V)	236	L.F.
4	HDPE Lining	136	L.F.
4	18" RCP End Section	3	EA.
4	36" RCP End Section	1	EA.
4	54" RCP End Section	1	EA.
4	60" RCP End Section	1	EA.
4	18" Pipe Collar	2	EA.
4	Connection to Existing Structure	1	EA.
4	Rip-rap (Ungrouted 10")	30	S.Y.
4	Rip-rap (Ungrouted 14")	93	S.Y.
5	Sediment Fence	6,031	L.F.
5	Temporary Diversion Berm	863	L.F.
5	Inlet Protection	167	L.F.
5	Rock Check Dam	42	CY
5	Temporary Construction Entrance	57	CY
5	Seeding	8.0	AC.
5	Sod	1.8	AC.
5	Lime	19.6	TON
5	Fertilizer	7,840	LB.
5	Mulch	13.5	TON
7	IMPACT ATTENUATOR (19 SAND BARRELS)	4	EA.
7	REPLACEMENT SAND BARREL	8	EA.
7	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)	2	EA.
7	CONSTRUCTION SIGNS	1,395	SQFT
7	ADVANCED WARNING RAIL SYSTEM	20	EA.
7	FLAG ASSEMBLY	12	EA.
7	RELOCATED SIGNS	691	SQFT
7	CHANNELIZER (TRIM LINE)	258	EA.
7	TYPE III MOVEABLE BARRICADE	45	EA.
7	DIRECTIONAL INDICATOR BARRICADE	56	EA.
7	FLASHING ARROW PANEL	7	EA.
7	WARNING LIGHT, TYPE A	6	EA.
7	SEQUENTIAL FLASHING WARNING LIGHT	56	EA.
7	CHANGEABLE MESSAGE SIGN WITHOUT COMMUNICATION INTERFACE, CONTRACTOR FURNISHED, CONTRACTOR RETAINED	14	EA.
7	ADA-COMPLIANT TYPE II BARRICADE	2	EA.
7	TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED / RETAINED	1,473	L.F.
7	RELOCATING TEMPORARY TRAFFIC BARRIER	1,135	L.F.
6	TYPE 2 PREFORMED MARKING TAPE (GROOVED), 24 IN., WHITE	30	L.F.
6	TYPE 2 PREFORMED MARKING TAPE (GROOVED), LEFT/RIGHT ARROW	13	EA.
6	PREFORMED REMOVABLE MARKING TAPE 4 IN., WHITE	7,790	L.F.
6	PREFORMED REMOVABLE MARKING TAPE 4 IN., YELLOW	6,303	L.F.
6	6 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS	8,187	L.F.
6	6 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS	2,436	L.F.
6	12 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS	1,972	L.F.
6	4 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS	800	L.F.
6	MSE Wall System	15,645	S.F.
2	Form Liners for MSE Walls	1,738	S.Y.
6	Modified Type A Gutter	185	L.F.
6	Sacrificial Graffiti Protection	15,645	S.F.
6	Concrete & Masonry Protection	15,645	S.F.
6	Furnishing Type 2 Rock Blanket	21	CY
6	Placing Type 2 Rock Blanket	21	CY
6	Settlement Gauge	6	EA.
84	LIGHTING (SEE LIGHTING PLANS)		
91-95	PERMANENT SIGNING (SEE SIGNING PLANS)		
118	BRIDGE (SEE BRIDGE PLANS)		

GENERAL NOTES

OLD TIFFANY SPRINGS ROAD &
DONOVAN DRIVE
FEDERAL PROJECT NO. STP 3451 (403)

Addendum 2

04-03-2018

DESCRIPTION

P.E. SIGNATURE

DATE



Benjamin W. Heins,
P.E.
MO# 2011000894

Reviewed By: B.W.H.

Designed By: B.W.H.

Drafted By: S.S.K.

Lutjen Project No.: 15089



DATE
06/02/2017

Sheet No.:

2

Location: L:\Projects\11033-01\Plans\Construction Documents\Street & Storm 36x24\GEN - .dwg

ANTI-COLLUSION STATEMENT

STATE OF MISSOURI

CITY/COUNTY OF _____

_____ being first duly sworn, deposes and says that he is

_____ Title of Person Signing

of _____

_____ Name of Bidder

that all statements made and facts set out in the proposal for the above project are true and correct; and the bidder (The person, firm, association, or corporation making said bid) has not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with said bid or any contract which may result from its acceptance.

Affiant further certifies that bidder is not financially interested in, or financially affiliated with, any other bidder for the above project.

BY _____

BY _____

BY _____

SWORN to before me this _____ day of _____ 20 ____.

_____ Notary Public
My Commission Expires _____



UNIT PRICES

Project Number 89008153

Project Title Old Tiffany Springs Road and Donovan Drive

NOTE: IN THE EVENT OF DISCREPANCY, UNIT PRICE SHALL GOVERN.

Item No.	Unit	Quantity	Item Description	Unit Price	Extension
1	L.S.	1	Mobilization		\$ -
2	L.S.	1	Contractor Furnished Surveying & Staking		\$ -
3	L.S.	1	Clearing & Grubbing		\$ -
4	L.S.	1	Removal of Improvements (Demolition)		\$ -
5	C.Y.	52,019	Excavation		\$ -
6	C.Y.	77,722	Embankment		\$ -
7	C.Y.	30,230	Borrow		\$ -
8	S.Y.	22,288	Type 5-01 Surface Asphalt (2")		\$ -
9	S.Y.	799	Type 1-01 Base Asphalt (3")		\$ -
10	S.Y.	2,922	Type 1-01 Base Asphalt (5")		\$ -
11	S.Y.	6,047	Type 1-01 Base Asphalt (7")		\$ -
12	S.Y.	14,768	Type 1-01 Base Asphalt (9")		\$ -
13	S.Y.	25,123	Untreated Compacted Aggregate		\$ -
14	S.Y.	522	9.5" Concrete Pavement		\$ -
15	S.Y.	140	8" Concrete Pavement		\$ -
16	S.Y.	590	Type A2 Shoulder		\$ -
17	S.Y.	1,252	4" Type 1 Aggregate Base		\$ -
18	STA.	7.3	Portland Cement Concrete Shoulder Rumble		\$ -
19	L.F.	5,485	Concrete Curb & Gutter (CG-1)		\$ -
20	L.F.	5,894	Modified Concrete Curb & Gutter (CG-1 Dry)		\$ -
21	L.F.	644	Concrete Curb (C-1)		\$ -
22	S.F.	1,300	4" Concrete Median		\$ -
23	S.F.	5,835	8" Concrete Driveways		\$ -
24	S.F.	24,735	6" Concrete Trail		\$ -
25	L.F.	166	10'x10' RCB Pedestrian Box w/ Headwalls/Wingwalls		\$ -
26	L.F.	1,067	Round 3-Rail Wood Fence		\$ -
27	L.F.	246	42" Black Vinyl Coated Chain Link Fence		\$ -
28	L.F.	2,012	60" Black Vinyl Coated Chain Link Fence		\$ -
29	S.F.	24,991	4" Concrete Sidewalk		\$ -
30	S.F.	665	Concrete Curb Ramp		\$ -
31	S.F.	130	Truncated Domes		\$ -
32	S.Y.	1,472	Milling (Cold Milling)		\$ -
33	S.F.	697	Temporary Shoring		\$ -
34	L.F.	442	Type A Concrete Barrier		\$ -
35	L.F.	210	Type D Concrete Barrier		\$ -
36	EA.	1	MGS Vertical Transition Section		\$ -
37	L.F.	473	MGS Guardrail System		\$ -
38	EA.	4	Type A Crashworthy End Terminal (MASH)		\$ -
39	EA.	2	MGS End Anchor		\$ -
40	EA.	13	Std. Type I Curb Inlet (5'x3' Inside)		\$ -
41	EA.	3	Std. Type I Curb Inlet (5'x4' Inside)		\$ -
42	EA.	1	Std. Type I Curb Inlet (5'x5' Inside)		\$ -

Item No.	Unit	Quantity	Item Description	Unit Price	Extension
43	EA.	1	Std. Type I Curb Inlet (8'x3' Inside)		\$ -
44	EA.	1	Std. Type I Curb Inlet (8'x4' Inside)		\$ -
45	EA.	1	Std. Manhole (5' Dia.)		\$ -
46	EA.	1	Std. Junction Box (5'x3' Inside)		\$ -
47	EA.	1	Std. Junction Box (7'x7' Inside)		\$ -
48	EA.	1	Std. Junction Box (8'x4' Inside)		\$ -
49	EA.	1	Basin Outlet Structure (4'x4' Inside)		\$ -
50	EA.	1	Std. Field Inlet (5'x5' Inside)		\$ -
51	EA.	1	Convert Ex. Field Inlet to Junction Box (6.5'x4')		\$ -
52	L.F.	1882	15" RCP (Class III, Wall B)		\$ -
53	L.F.	392	18" RCP (Class III, Wall B)		\$ -
54	L.F.	963	24" RCP (Class III, Wall B)		\$ -
55	L.F.	40	54" RCP (Class III, Wall B)		\$ -
56	L.F.	55	60" RCP (Class III, Wall B)		\$ -
57	L.F.	236	36" RCP (Class V)		\$ -
58	L.F.	136	HDPE Lining		\$ -
59	EA.	3	18" RCP End Section		\$ -
60	EA.	1	36" RCP End Section		\$ -
61	EA.	1	54" RCP End Section		\$ -
62	EA.	1	60" RCP End Section		\$ -
63	EA.	2	18" Pipe Collar		\$ -
64	EA.	1	Connection to Existing Structure		\$ -
65	S.Y.	30	Rip-rap (Ungrouted 10")		\$ -
66	S.Y.	111	Rip-rap (Ungrouted 14")		\$ -
67	L.F.	6,031	Silt Fence		\$ -
68	L.F.	863	Temporary Diversion Berm		\$ -
69	L.F.	167	Inlet Protection		\$ -
70	C.Y.	42	Rock Check Dam		\$ -
71	C.Y.	57	Temporary Construction Entrance		\$ -
72	AC.	8	Seeding		\$ -
73	AC.	1.8	Sod		\$ -
74	TON	19.6	Lime		\$ -
75	LB.	7,840	Fertilizer		\$ -
76	TON	13.5	Mulch		\$ -
77	EA.	4	IMPACT ATTENUATOR (19 SAND BARRELS)		\$ -
78	EA.	8	REPLACEMENT SAND BARREL		\$ -
79	EA.	2	TRUCK OR TRAILER MOUNTED ATTENUATOR (TMA)		\$ -
80	S.F.	1,395	CONSTRUCTION SIGNS		\$ -
81	EA.	20	ADVANCED WARNING RAIL SYSTEM		\$ -
82	EA.	12	FLAG ASSEMBLY		\$ -
83	S.F.	691	RELOCATED SIGNS		\$ -
84	EA.	258	CHANNELIZER (TRIM LINE)		\$ -
85	EA.	45	TYPE III MOVEABLE BARRICADE		\$ -
86	EA.	56	DIRECTIONAL INDICATOR BARRICADE		\$ -
87	EA.	7	FLASHING ARROW PANEL		\$ -
88	EA.	6	WARNING LIGHT, TYPE A		\$ -
89	EA.	56	SEQUENTIAL FLASHING WARNING LIGHT		\$ -
90	EA.	14	CHANGEABLE MESSAGE SIGN WITHOUT COMMUNICATION INTERFACE, CONTRACTOR FURNISHED/RETAINED		\$ -
91	EA.	2	ADA-COMPLIANT TYPE II BARRICADE		\$ -

Item No.	Unit	Quantity	Item Description	Unit Price	Extension
92	L.F.	1,473	TEMPORARY TRAFFIC BARRIER, CONTRACTOR FURNISHED/RETAINED		\$ -
93	L.F.	1,135	RELOCATING TEMPORARY TRAFFIC		\$ -
94	L.F.	30	TYPE 2 PREFORMED MARKING TAPE (GROOVED). 24 IN.. WHITE		\$ -
95	EA.	13	TYPE 2 PREFORMED MARKING TAPE (GROOVED). LEFT/RIGHT ARROW		\$ -
96	L.F.	7,790	PREFORMED REMOVABLE MARKING TAPE 4 IN.. WHITE		\$ -
97	L.F.	6,303	PREFORMED REMOVABLE MARKING TAPE 4 IN.. YELLOW		\$ -
98	L.F.	8,187	6 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT. TYPE I		\$ -
99	L.F.	2,436	6 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT. TYPE I		\$ -
100	L.F.	1,972	12 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT. TYPE I		\$ -
101	L.F.	800	4 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT. TYPE I		\$ -
102	S.F.	111	SH-FLAT SHEET SIGNING		\$ -
103	S.F.	493	ST-STRUCTURAL SIGNING		\$ -
104	EA.	9	SIGN POSTS		\$ -
105	EA.	1	HIGHWAY SIGN TRUSS (25.0' CANTILEVER)		\$ -
106	EA.	1	HIGHWAY SIGN TRUSS (76.0')		\$ -
107	C.Y.	44	CONCRETE FOOTINGS, BOLT DOWN		\$ -
108	EA.	22	TYPE 'A' LED LIGHT FIXTURE AND LAMP		\$ -
109	EA.	22	TYPE 'A' POLE (35'-0)		\$ -
110	EA.	4	TYPE 'AB' LED LIGHT FIXTURE AND LAMP ON THE BRIDGE		\$ -
111	EA.	4	TYPE 'AB' POLE (35'-0) ON THE BRIDGE		\$ -
112	EA.	12	TYPE 'B' AND 'B1' LED LIGHT FIXTURE		\$ -
113	EA.	6	TYPE 'B' AND 'B1' POLE (35'-0)		\$ -
114	EA.	10	TYPE 'C' LED LIGHT FIXTURE		\$ -
115	EA.	10	TYPE 'C' POLE (35'-0)		\$ -
116	EA.	36	Mast Arm (6'-0")		\$ -
117	EA.	7	Mast Arm (8'-0")		\$ -
118	EA.	5	Mast Arm (10'-0")		\$ -
119	L.F.	4,900	1#10 RHW/USE Internal Pole		\$ -
120	L.F.	4,650	2#6 RHH/RHW/USE, 1 #6 CU GND, 2" CID		\$ -
121	L.F.	1,100	2#8 RHH/RHW/USE, 1 #8 CU GND, 2" CID		\$ -
122	L.F.	540	3" HDPE CONDUIT		\$ -
123	L.F.	540	1#6 BARE WIRE		\$ -
124	EA.	4	4 CIRCUIT LIGHTING CONTROLLER		\$ -
125	EA.	4	GROUND ROD		\$ -
126	EA.	96	FUSE KITS		\$ -
127	EA.	48	NON FUSED FUSE KITS		\$ -
128	EA.	42	CABLE RETAINER		\$ -
129	EA.	4	PULL BOX		\$ -
130	EA.	38	LIGHTING SCREW IN POLE BASE		\$ -
131	EA.	52	ID TAGS		\$ -
132	EA.	4	CONCRETE FOUNDATION FOR LIGHTING CONTROLLER		\$ -
133	EA.	4	KCPL SERVICE		\$ -
134	L.F.	5,750	TRENCH AND BACKFILL		\$ -
135	EA.	4	POWER FOR KCPL Power sources		\$ -

Item No.	Unit	Quantity	Item Description	Unit Price	Extension
136	EA.	16	ANCHOR BOLTS FOR LIGHT POLES ON THE BRIDGE		\$ -
137	EA.	5	REMOVAL OF STREET LIGHT POLES ON NW AVION STREET		\$ -
138	C.Y.	405	Class 1 Excavation		\$ -
139	L.S.	1	Removal of Existing Bridge & Wall (A1794)		\$ -
140	S.Y.	329	Bridge Approach Slab (Minor Road)		\$ -
141	L.F.	751	Pedestrian Fence (Structures)		\$ -
142	L.F.	336	Pedestrian Handrail (Structures)		\$ -
143	L.F.	6,492	Structural Steel Piles (12 in.)		\$ -
144	EA.	4	Dynamic Pile Testing		\$ -
145	EA.	84	Pile Point Reinforcement		\$ -
146	C.Y.	438.7	Class B Concrete (Substructure)		\$ -
147	L.F.	755	Safety Barrier Curb		\$ -
148	S.Y.	2,876	Slab On Concrete NU-Girder		\$ -
149	L.F.	3,011	NU 63, Prestressed Concrete NU-Girder		\$ -
150	LB.	32,630	Reinforcing Steel (Bridges)		\$ -
151	LB.	16,050	Reinforcing Steel (Epoxy Coated)		\$ -
152	L.F.	1,360	Conduit System on Structure		\$ -
153	EA.	40	Steel Intermediate Diaphragm for P/S Concrete Girders		\$ -
154	EA.	2	Vertical Drain At End Bents		\$ -
155	EA.	27	Laminated Neoprene Bearing Pad		\$ -
156	EA.	27	Laminated Neoprene Bearing Pad (Tapered)		\$ -
157	EA.	24	Corrugated Metal Pipe Pile Spacers		\$ -
158	S.F.	15,645	MSE Wall System		\$ -
159	L.F.	185	Modified Type A Gutter		\$ -
160	S.F.	15,645	Sacrificial Graffiti Protection		\$ -
161	S.F.	15,645	Concrete & Masonry Protection		\$ -
162	C.Y.	21	Furnishing Type 2 Rock Blanket		\$ -
163	C.Y.	21	Placing Type 2 Rock Blanket		\$ -
164	S.Y.	1,738	Form Liners		\$ -
165	EA.	6	Settlement Gauge		\$ -
166	L.F.	1,013	12" CL 52 DIP W/ Double Polywrap Water main		\$ -
167	L.F.	1,048	12" CL 52 DIP W/ Polywrap Water main		\$ -
168	L.F.	20	8" CL 52 DIP W/ Double Polywrap Water main		\$ -
169	L.F.	575	8" CL 52 DIP W/ Polywrap Water main		\$ -
170	EA.	1	12" X 12" Tee		\$ -
171	EA.	1	12" X 8" Tee		\$ -
172	EA.	1	8" X 8" Tee		\$ -
173	EA.	1	MJ Plug		\$ -
174	EA.	1	Temporary Plug		\$ -
175	EA.	1	Air Release Valve		\$ -
176	EA.	6	12" Gate valve		\$ -
177	EA.	4	8" Gate Valve		\$ -
178	EA.	5	12" Solid Sleeve		\$ -
179	EA.	11	8" Solid Sleeve		\$ -
180	EA.	2	12" 90 degree bend		\$ -
181	EA.	6	12" 45 degree bend		\$ -
182	EA.	1	12" 22.5 degree bend		\$ -
183	EA.	15	8" 45 degree bend		\$ -

Bidder: _____

Federal Job # STP 3451 (403)

Item No.	Unit	Quantity	Item Description	Unit Price	Extension
184	EA.	10	Fire hydrant Assembly, Fittings, & Installation		\$ -
185	EA.	3	Fire Hydrant Removal		\$ -
186	EA.	7	Concrete Backing Block		\$ -
187	EA.	6	Temporary Flushing Assembly		\$ -
188	EA.	15	Straddle Block		\$ -
189	EA.	5	Cut & Plug Exist. Water Main		\$ -
190	EA.	2	Steel gas main crossing		\$ -
Total Unit Prices: (LAST PAGE ONLY)				\$	-