



ADDENDUM NUMBER **3**

Project Number **STP 3374 (402), City Project 89008182**

Project Title **Route 45/I-29 Interchange – Phase 2C**

ISSUE DATE: **October 30, 2019**

Bidders are hereby notified that the Bidding and Contract Documents for the above project, for which Bids are to be received on **November 5th at 2:00 pm**, are amended as follows:

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

1. Please review for your information the Pre-Bid Conference Meeting Minutes and Attendance List.pdf
2. Please see the below questions and answers.

Q1.	What is the anticipated NTP?
A1.	February/March 2020
Q2.	MoDOT Project has 100 calendar days per JSP S. Phase 4 of Prairie View Road is 45 calendar days. Does south Prairie View road remain open during construction until it is tied into the new Prairie View Road? Then work begins on Ramp 4 changover?
A2.	The order of work is up to the contractor. The ramp work has to be started and completed within 100 days, with a completion date for semi-final inspection by October 1, 2020. Prairie View Road is to remain open during construction until it is tied into the new Prairie View Road. NW Prairie View Road Phase 4, this tie-in work, is to be completed within 45 days of the roadway closure to full traffic.
Q3.	I had a question regarding the Bid form document on pages 25-32 of the Spec the total prices at the bottom of the page are not matching up with the Unit Prices excel spreadsheet that was attached in the Bid packet information.
A3.	Please see new 0412 Unit Prices 10302019.pdf and 0412 Unit Prices 10302019.xls files issued with this addenda.
Q4.	Is the site a balanced site or does it require import?
A4.	It is anticipated to be a balanced with the grading plan shown
Q5.	Can you tell me if there are CAD files available for the above referenced project?
A5.	No, pdf documents are provided as part of the bid documents.

Q6.	Typical Sections Sheet 6 of 6 has been omitted from the MoDOT Plan Set. Will you be issuing this sheet in an addendum?
A6.	Yes, please see sheet 124a MoDOT Typical Sections.pdf issued with this addenda.
Q7.	Is MoDOT QC/QA required for the MoDOT part of the contract?
A7.	This contract will be let and paid for by the city of KCMO but all work on state right of way shall conform to all MoDOT specs.
Q8.	Specification 02102-3 Part 8 calls out for a 60 day consolidation of fills greater than six feet. Does this apply to this project?
A8.	This does not apply.
Q9.	Specification 02102-1 Part 2 references a waste fill on 88th Street. Again, does this apply to this job?
A9.	This does not apply.
Q10.	How are the 48" flared end sections to be paid for? There is not a bid item for them.
A10.	Please see new 0412 Unit Prices.pdf and 0412 Unit Prices.xls files issued with this addenda.

Bidding Requirements

1. Delete and replace the following section(s):
 - a. Delete Document, Sec. 0412 Unit Prices, and replace with the following Document, Sec. 0412 Unit Prices.
 - b. Delete Section 2102 and replace with the following document, Section 2102.

Contracting Requirements

1. Please replace 0412 Unit Prices Revised 10.22.19.xls and pdf file with files issued with this addenda. This file correct quantities to match the 0412 Unit Price sheet in project manual. Added item 59 for 48" Flared End Section. Added item 39 for Temporary Seeding.
- 2.

Specifications

1. Specification 02102-3 Part 8 calls out for a 60 day consolidation of fills greater than six feet.
 - a. This requirement is removed
2. Specification 02102-1 Part 2 references a waste fill on 88th Street.
 - a. This requirement and section removed.

3. Remove and replace specification 02102 with document issued with this addenda.

Drawings:

1. Please add 124a MoDOT Typical Sections.pdf to your plan set.

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

UNIT PRICESProject Number **STP 3374 (402), City Project 89008182**Project Title **Route 45/I-29 Interchange – Phase 2C**

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

Item No.	Unit	Quantity	Item Description:	Unit	Extension
Miscellaneous					
1	L.S.	1	Mobilization		
2	L.S.	1	Construction Staking		
3	Ac.	1	Clearing & Grubbing		
4	Ac.	9.86	Tree Removal (No Burning)		
5	S.Y.	3,476	Removal of Existing Pavement		
6	L.F.	2,240	Removal of Existing Curb and Gutter		
7	L.F.	1,175	Removal of Existing Sidewalk		
8	L.F.	723	Removal of Existing Storm Sewer		
9	Each	11	Removal of Existing Structures		
10	Ac.	10.5	Seeding (Fescue)		
Traffic Control					
11	Each	6	R11-4 Road Closed to Thru Traffic		
12	Each	3	M04-8 Detour		
13	Each	1	M04-8A End Detour		
14	Each	8	M04-10L Detour Left		
15	Each	9	M04-10R Detour Right		
16	Each	5	W020-1 Road Work Ahead		
17	Each	5	W020-2 Detour Ahead		
18	Each	11	W020-3 Road Closed Ahead		
19	Each	1	G20-2 End Road Work		
20	Each	8	T3 Barricade		
21	Each	12	Channelizers		
22	Each	3	Prairie View Road Plaque		
23	LF	2575	Orange 3" SDR 11 HDPE Conduit		
24	Each	5	24" x 36" x36" Poly-Concrete Tier 22 Handholes		
				SUBTOTAL	
Grading					
25	C.Y.	69,028	Unclassified Excavation		
26	C.Y.	70,017	Embankment		
27	S.Y.	14,518	Subgrade Stabilization (12" Flyash Treatment)		
28	S.Y.	14,518	Rock Subbase (6") (Compacted Untreated)		
29	S.Y.	366	Rock Subbase (4" MoDOT Type 5)		
30	S.Y.	2,476	Light Subgrade (18" Type 18)		
31	S.F.	6,485	Big Block Retaining Wall		
32	L.F.	963	Fence/rail		
				SUBTOTAL	
Erosion Control					
33	L.F.	4,286	Silt Fence		
34	Each	16	Curb Inlet Protection (Waddles)		
35	Each	3	Area Inlet Protection		
36	Each	3	Rock Check Dam		
37	S.Y.	557	Temporary Construction Entrance		
38	ACRE	2	Temporary seeding		
				SUBTOTAL	
Pavement					
39	S.Y.	14,518	2" Type 4 Asphalt Surface		
40	S.Y.	444	5" Type 3 Asphalt Base		
41	S.Y.	14,518	9" Type 3 Asphalt Base		
42	S.Y.	366	8" Concrete Pavement (PCC)		
43	S.Y.	716	6" Concrete Pavement (PCC) (Raised Median)		
44	S.Y.	1399	Asphalt Extension Under Curb		
				SUBTOTAL	
Curbs & Sidewalks					
45	L.F.	377	Curb & Gutter (MoDOT 3" Type E) (Low Profile)		
46	L.F.	6296	Curb & Gutter (Type CG-1)		

Item No.	Unit	Quantity	Item Description:	Unit	Extension
47	S.F.	18652	Concrete Sidewalks (5' Wide, 5" Thick)		
48	Each	8	ADA Curb Ramps (6" Thick w/ Detectable Warning)		
				SUBTOTAL	
Storm Sewers					
49	L.F.	305	15" RCP		
50	L.F.	434	18" RCP		
51	L.F.	318	24" RCP		
52	L.F.	671	30" RCP		
53	L.F.	61	36" RCP		
54	L.F.	155	48" RCP		
55	Each	1	18" RCP End Section		
56	Each	1	30" RCP End Section		
57	Each	2	36" RCP End Section		
58	Each	2	48" RCP End Section		
59	Each	293	4' x 4' RCB End Section and Wing Walls		
60	Each	12	Std. Curb Inlet (5' x 3' Inside)		
61	Each	1	Std. Curb Inlet (11' x 3' Inside)		
62	Each	8	Convert / Adjust Existing Inlets		
63	Each	1	Std. Field Inlet (5' x 5' Inside)		
64	S.Y.	1042	Rip Rap		
				SUBTOTAL	
Sanitary Sewers					
65	L.F.	300	8" SDR-21		
66	Each	3	Adjust Existing 4' Dia. Manhole		
67	Each	1	Std. Manhole (4' Dia.)		
				SUBTOTAL	
Waterline					
68	L.F.	31	8" Class 52 DIP w/ Polywrap w/ Zinc Coating		
69	Each	8	8" 45° Bends		
70	Each	4	Straddle Blocks		
71	Each	4	Connection to Existing Waterlines		
				SUBTOTAL	
Street Lighting					
72	Each	28	133 Watt LED Luminaire, 30' Mounting Hght, 6' Bracket Arm		
73	Each	28	Screw In Base Small		
74	Each	28	PELCO 6" Anti-Theft Device		
75	Each	29	KCMO ID Labels		
76	Each	1	Ground Rod		
77	Each	1	Lighting Controller, 2 Ckt		
78	Each	2	Type II Pull Box		
79	Each	56	Breakaway, Set-Screw HEB Fuse Kits w/ 10A Fuses.		
80	Each	28	Unfused Breakaway Fuse Kits		
81	L.F.	1,843	2#4, 1#6G RHH/RHW/USE		
82	L.F.	1,257	2#8, 1#8G RHH/RHW/USE		
83	L.F.	1,232	3#10 RHW/USE (Internal Pole Wiring)		
84	L.F.	100	3#3, USE		
85	L.F.	3,100	2" PVC		
86	L.F.	100	3" PVC		
87	Each	6	Relocate Existing Luminaries		
				SUBTOTAL	
Pavement Marking and Signage					
88	EACH	2	35 MPH Speed Limit Sign (R2-1)		
89	EACH	1	Advisory Speed Limit Sign (W1-2, W13-1)		
90	EACH	4	Advanced Round about sign (W2-6)		
91	EACH	4	Lane Directional Signage (R4-7, W3-P1)		
92	EACH	6	Flourescent Green Ped. Crossiong signs (W11-2, W16-7)		
93	EACH	4	Yield Sign (R1-2)		
94	EACH	4	Directional Arrow Sign (R6-4a)		
95	EACH	4	Street Name sign with directional arrow (D3-R)		
96	L.F.	3,565	4" Solid White Pavement Marking		
97	L.F.	707	4" Dashed White Pavement Marking		
98	L.F.	195	4" Dotted White Pavement Marking		
99	L.F.	1,617	4" Solid Yellow Pavement Marking		

Item No.	Unit	Quantity	Item Description:	Unit	Extension
100	L.F.	620	4" Double Solid Yellow Pavement Marking		
101	L.F.	355	4" Double Solid White Pavement Marking		
102	L.F.	1,800	4" Dashed Yellow Pavement Marking		
103	L.F.	183	24" Solid White Crosswalk Line		
104	L.F.	249	12" Yellow Diagonal Hatch (12' O.C.)		
105	L.F.	176	12" White Diagonal Hatch (12' O.C.)		
106	Each	8	White Left Turn Arrow Pavement Marking		
107	Each	2	White Right Turn Lane Pavement Marking		
108	Each	4	White Straight/Left Turn Arrow Pavement Marking		
109	Each	17	72" Solid White Bike Lane Marking		
				SUBTOTAL	
Miscellaneous			Relocation Quantities		
110	Each	1	Relocation of Existing Fire Hydrant		
				SUBTOTAL	
			MoDOT Items		
111	L.S.	1	REMOVAL OF IMPROVEMENTS		
112	C.Y.	3861	CLASS A EXCAVATION		
113	C.Y.	1289	EMBANKMENT IN PLACE		
114	C.Y.	5150	COMPACTING EMBANKMENT		
115	C.Y.	210	CLASS 3 EXCAVATION		
116	S.Y.	682	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)		
117	S.Y.	10485	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)		
118	S.Y.	4480.4	"CONCRETE PAVEMENT (8 IN. NON-REINFORCED, 15 FT. JOINTS)"		
119	S.Y.	3521.6	CONCRETE PAVEMENT (9 IN. NON-REINFORCED 15 FT. JOINTS)		
120	S.Y.	1580.2	"CONCRETE PAVEMENT (8 1/2 IN. NON-REINFORCED, 15 FT. JOINTS)"		
121	S.Y.	2590.7	TYPE A3 SHOULDER		
122	EACH	1	ADJUSTING BASIN OR INLET		
123	L.F.	388	MGS GUARDRAIL		
124	EACH	2	MGS END ANCHOR		
125	EACH	1	TYPE A CRASHWORTHY END TERMINAL (MASH)		
126	EACH	1	TYPE C CRASHWORTHY END TERMINAL		
127	EACH	10	"GUARDRAIL DELINEATOR,WHITE"		
128	S.Y.	173.7	CONCRETE CURB RAMP		
129	S.F.	361	TRUNCATED DOMES		
130	S.Y.	181.6	6 IN. CONCRETE MEDIAN STRIP		
131	S.Y.	681.7	"PAVED APPROACH, 8 IN."		
132	S.Y.	1065.4	"CONCRETE SIDEWALK, 4 IN."		
133	L.F.	55	CURB AND GUTTER TYPE A		
134	L.F.	1373	CURB AND GUTTER TYPE B		
135	C.Y.	4	ROCK LINING		
136	EACH	1	GRATE AND BEARING PLATE (5 FT. X 3 FT. OR 1524 MM X 914 MM)		
137	EACH	1	"MANHOLE FRAME AND COVER, TYPE 3"		
138	S.F.	933	CONSTRUCTION SIGNS		
139	EACH	7	FLAG ASSEMBLY		
140	EACH	145	CHANNELIZER (TRIM LINE)		
141	EACH	10	TYPE III MOVEABLE BARRICADE		
142	EACH	2	FLASHING ARROW PANEL		
143	EACH	2	"CHANGEABLE MESSAGE SIGN WITHOUT COMMUNICATION INTERFACE, CONTRACTOR FURNISHED, CONTRACTOR		
144	EACH	4	ADA COMPLIANT BARRICADE		
145	L.F.	113	"CONCRETE TRAFFIC BARRIER, TYPE C"		
146	L.S.	1	MOBILIZATION		
147	L.F.	3175	PAVEMENT EDGE TREATMENT		
148	L.F.	314	"PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE"		
149	EACH	42	"PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW"		

Item No.	Unit	Quantity	Item Description:	Unit	Extension
150	EACH	4	"PREFORMED THERMOPLASTIC PAVEMENT MARKING, STRAIGHT ARROW"		
151	EACH	2	"PREFORMED THERMOPLASTIC PAVEMENT MARKING, WORD (ONLY)"		
152	EACH	69	"PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN WHITE MIDBLOCK"		
153	L.F.	3927	"4 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS"		
154	L.F.	10641	"6 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS"		
155	L.F.	1889	"6 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS"		
156	L.F.	290	"12 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS"		
157	L.F.	143	"24 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS"		
158	L.F.	187	"24 IN. YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS"		
159	L.F.	6949	PAVEMENT MARKING REMOVAL		
160	EACH	23	PAVEMENT MARKING REMOVAL (SYMBOLS)		
161	L.S.	1	CONTRACTOR FURNISHED SURVEYING AND STAKING		
162	L.S.	1	FABRICATED SIGN SUPPORT BRACKETS		
163	L.F.	175	30 IN. PIPE GROUP B		
164	L.F.	7	PRECAST CONC. DROP INLET 5 FT X 3 FT		
165	EACH	1	30 IN. OR ALLOWED SUBSTITUTE GROUP B FLARED END SECTION		
166	ACRE	0.5	SEEDING - COOL SEASON MIXTURES		
167	C.Y.	20	SEDIMENT TRAP ROCK		
168	L.F.	24	ROCK DITCH CHECK		
169	L.F.	550	ALTERNATE DITCH CHECK		
170	C.Y.	34	SEDIMENT REMOVAL		
171	L.F.	3228	SILT FENCE		
172	EACH	1	"LIGHTING POLE, 30 FT. OR 9.0 M, TYPE AT"		
173	L.F.	491	"CONDUIT, 3 IN. RIGID, IN TRENCH"		
174	L.F.	13	"CONDUIT, 4 IN. RIGID, IN TRENCH"		
175	L.F.	677	"CONDUIT, 3 IN. RIGID, PUSHED"		
176	L.F.	112	"CONDUIT, 4 IN. RIGID, PUSHED"		
177	EACH	1	"PULL BOX, CONCRETE, STANDARD"		
178	EACH	10	"SIGNAL HEAD, TYPE 1S"		
179	EACH	2	"SIGNAL HEAD, TYPE 3S"		
180	EACH	1	"SIGNAL HEAD, TYPE 5S"		
181	EACH	2	"SIGNAL HEAD, TYPE 1C"		
182	EACH	23	"SIGNAL HEAD, TYPE 3B"		
183	EACH	1	"SIGNAL HEAD, TYPE 5B"		
184	EACH	5	LUMINAIRE LED-A, 120 VOLT COMPATIBLE		
185	EACH	8	"POST, SIGNAL 8 FT. OR 2.4 M"		
186	EACH	1	"POST, TYPE CL, 40 FT. ARM OR 12.2 M ARM"		
187	EACH	1	"POST, TYPE CL, 45 FT. ARM OR 13.7 M ARM"		
188	EACH	2	"POST, TYPE CL, 50 FT. ARM OR 15.2 M ARM"		
189	EACH	1	"POST, TYPE CL, 55 FT. ARM"		
190	EACH	1	"POST, TYPE BL, LONGEST ARM 20 FT. OR 6.1 M"		
191	EACH	2	"CONTROLLER ASSEMBLY HOUSING, NEMA TS2 CONTROLLER"		
192	L.F.	491	"CONDUIT, 3 IN., TRENCH WITH TRACER WIRE"		
193	L.F.	677	"CONDUIT, 3 IN., PUSHED WITH TRACER WIRE"		
194	L.F.	112	"CONDUIT, 4 IN., PUSHED WITH TRACER WIRE"		
195	L.F.	270	"CABLE, 10 AWG 1 CONDUCTOR, POLE AND BRACKET"		
196	L.F.	170	"CABLE, 10 AWG 1 CONDUCTOR, POWER"		
197	L.F.	1370	"CABLE, 12 AWG 2 CONDUCTOR"		
198	L.F.	3590	"CABLE, 16 AWG 2 CONDUCTOR"		
199	L.F.	4709	"CABLE, 16 AWG 5 CONDUCTOR"		
200	L.F.	5444	"CABLE, 16 AWG 7 CONDUCTOR"		
201	L.F.	11440	"CABLE, LOOP DETECTOR, IN DUCT"		
202	L.F.	9610	"CABLE, LOOP DETECTOR, LEAD-IN"		
203	EACH	7	"PULL BOX, PREFORMED CLASS 1"		
204	EACH	1	"PULL BOX, CONCRETE, STANDARD"		

Bidder: _____

Item No.	Unit	Quantity	Item Description:	Unit	Extension
205	C.Y.	25.8	"BASE, CONCRETE"		
206	C.Y.	3	"CONCRETE FOOTINGS, EMBEDDED"		
207	LBS	990	STRUCTURAL STEEL POSTS		
208	EACH	6	BREAKAWAY ASSEMBLY (PERFORATED SQUARE STEEL TUBE)		
209	EACH	20	"7 FT. CHANNEL POST DELINEATOR, WHITE"		
210	EACH	5	"7 FT. CHANNEL POST DELINEATOR, YELLOW"		
211	L.F.	285	2 IN. PSST POST - 12 GA.		
212	L.F.	72	POST ANCHOR FOR 2 IN. PSST - 12 GA.		
213	L.F.	45	2.5 IN. PSST POST - 12 GA.		
214	L.F.	9	POST ANCHOR FOR 2.5 IN. PSST - 7 GA.		
215	S.F.	108	SH-FLAT SHEET		
216	S.F.	38	SHF-FLAT SHEET FLUORESCENT		
217	L.F.	84	"CONDUIT, 1 IN., LOOP DETECTOR"		
218	EACH	1	CCTV CAMERA ASSEMBLY, DOME TYPE, INSTALLED WITH CABLE		
				SUBTOTAL	
			Non-Participatory Items		
219	L.F.	1,037	Re-Line Existing 12" Clay Sewer Line		
				SUBTOTAL	
			Total Unit Prices: (LAST PAGE ONLY)		

Note: May be printed, for manual fill-in, or filled in on electronic excel spreadsheet version.

02102 SITE PREPARATION

A. GENERAL

All the requirements of the Kansas City Metropolitan Chapter of the American Public Works Association (APWA), *Standard Specifications and Design Criteria* apply as amended and supplemented by the Department of Public Works of the City of Kansas City, Missouri (KCMO). Sections of said Specifications will be hereinafter referred to as "APWA-KCMO." The City's current standards can be found online under the Kansas City Public Works Department website under "Public Works Design & Construction Standards:"

<http://kcmo.gov/publicworks/design-construction-standards/>

Site Preparation shall conform to APWA-KCMO Section 2102 with the following modifications, deletions, or additions. All provisions that are not so amended, removed, or supplemented remain in full force and effect.

1. Section 2102.2.A.2 shall be replaced with the following:

Excavation: Excavation is defined as the removal of materials from the construction area to the lines and grades as shown on the Plans and all excavation shall be unclassified regardless of material encountered.

The CONTRACTOR shall make his own assessments and determinations as to the quantity, position, extent, depth, and hardness of rock in preparing the bid and in the performance of the work through to its final completion. Disposal of debris shall be in accordance with Project Manual Section 1410.

If performed, Geotechnical boring locations are indicated on the Contract Drawings, or the geotechnical report is available, for information only, as noted in the Bid Documents.

If provided, the bore logs are provided as information only. This information does not represent a complete or exhaustive exploration of the depth and/or position of rock, nor does this information indicate its formation age or composition.

If blasting is permitted, such demolition work shall conform to Article III, entitled "Blasting," of Chapter 14 of the Code of General Ordinances of Kansas City, Missouri, effective October 23, 1967, as amended. No blasting may be done without first obtaining a blasting permit from the City Engineer.

CONTRACTOR is required to execute a blasting bond to the City conditioned to save the City harmless and indemnify it from any loss or damage occurring as a result of such blasting. All blasting permit applicants shall first obtain a permit from the Kansas City, Missouri Fire Department for transportation, disposition, and storage of explosives.

2. Section 2102.2.A.3.b.4 shall be replaced with the following:

Waste: Waste is defined as excavation material that is not used in embankments and is disposed of outside of the embankment areas. All compaction of waste material is incidental to Embankment and Backfill and no additional compensation will be provided for waste material.

3. Section 2102.2.A.4 shall be added as follows:

Linear Grading, Type 1: Linear Grading, Type 1, shall consist of grading where the topography is such that the excavation necessary to bring the roadway to the designated

02102 SITE PREPARATION

cross section will approximately complete the nearby embankments with a minimum of drifting, and where it is not necessary to control the finished grade line for purposes other than to obtain minimum cover over culverts.

4. A new Section 2102.2.A.5 shall be added as follows:
Linear Grading, Type 2: Linear Grading, Type 2, shall consist of grading where it is necessary to excavate and haul material to bring the trail or roadway to the desired grade and may involve work on high banks and side hills.
5. Section 2102.2.B.6 shall be replaced with the following:
Place all fill in layers not to exceed six inches (6"), and compact the layers as required to reduce erosion, slippage, settlement, or other related problems.
6. Section 2102.4.C shall be replaced with the following:
 1. **Materials:** Field exploration of the site shall be made to determine if there is sufficient surface soil of good quality to justify stripping. Topsoil shall be friable and loamy: loam, sandy loam, silt loam, sandy clay loam, or clay loam. It shall be free of debris, trash, stumps, rocks, root, and noxious weeds and shall give evidence of being able to support healthy vegetation. It shall contain no substance that is potentially toxic to plant growth.
 2. **Stripping and Stockpiling:** Topsoil shall be conserved wherever possible, and restored to the surface in preparation for plantings. All "A horizon" and topsoil shall be removed and segregated as a separate layer from the area to be disturbed. If topsoil is less than 6 inches thick, the operator may remove the topsoil and the unconsolidated materials immediately below the topsoil to a total depth of 6 inches and treat the mixture as topsoil. All material to be removed under this section shall be removed after the vegetative cover that would interfere with its salvage is cleared from the area to be disturbed, but before any drilling, blasting, excavating, or other surface disturbance takes place. Stockpiled material shall be reasonably free (less than 5 percent of total volume) of brush, weeds, and other litter, and free of roots, stumps, stones larger than 3/8 inch, in any dimension, and other extraneous or toxic matter harmful to plant growth.

Materials removed under this section shall be segregated and stockpiled when it is impractical to redistribute such materials promptly on regraded areas.

Stockpiled materials shall be selectively placed on a stable site within the construction area; be no greater than 4 feet in height; be protected from contaminants and unnecessary compaction that would interfere with revegetation; be protected from wind and water erosion in accordance with the temporary erosion control plan; and not be moved until required for redistribution unless approved by the Engineer.

Topsoil materials removed under this section shall be redistributed in a manner that achieves an approximately uniform, stable thickness consistent with the approved restoration plan, finished grading, and surface-water drainage systems; prevents excess compaction of the materials; and protects the materials from wind and water erosion before and after seeding and planting.

Before redistribution of the material removed under this section the regraded land shall

02102 SITE PREPARATION

be scarified to reduce potential slippage of the redistributed material and to promote root penetration.

7. Section 2102.6 shall be supplemented by adding the following to the end of the section:
If any constructions activities disturb or damage private facilities or structures, public and private utilities, property lot corners, or other items not owned by the City, the Contractor shall notify the Engineer and the impacted property owner or business immediately and remedy the situation by the end of the calendar day.
8. Section 2102.6 references to Section 1510 and 1511 of the General Provisions and Covenants shall instead refer to Sections 1410 of this Project Manual.

B. MEASUREMENT

Section 2103.4.D, E, and F shall be replaced with the following:

No measurement or payment will be made for "Grading," "Surface Roughening," "Topsoiling," "Temporary Construction Entrance," "Undergrading," or "Cleanup." All costs pertaining thereto shall be included in the contract prices for other items as listed in Section 00412 – Bid Form Unit. "Excavation" and "Embankment" will be measured per cubic yard. All measurements will be plan measure except for authorized changes submitted or approved prior to construction.

C. PAYMENT

Section 2103.5.D, E, and F shall be replaced with the following:

Payment for all work required to perform "Excavation" and "Embankment" shall be included in the unit price in Section 00412, Bid Form-Unit Prices. Payment and price shall constitute full compensation for all labor, material, and equipment necessary to complete these items.

END OF SECTION



Pre-Bid Conference Agenda

Project Number STP 3374(402), City Project 89008182

Project Title Route 45/I-29 Interchange – Phase 2C

INTRODUCTIONS

A. City Representatives:

Project Manager: Kim Pemberton, P.E. - (816) 513-2741

E-Mail: kim.pemberton@kcmo.org

Construction Manager: David Buchanan - (816) 588-3350

E-Mail: david.buchanan@kcmo.org

Program Manager: Chad Thompson, P.E. - (816) 513-2738

E-Mail: chad.thompson@kcmo.org

Contract Administrator: Roberto Everidge - (816) 513-0804

E-Mail: Roberto.everidge@kcmo.org

_____- (816) _____
_____- (816) _____
_____- (816) _____
_____- (816) _____

B. DESIGN PROFESSIONAL/MoDOT Representatives:

Project Manager: Steve Warger - (816) 769-6132

E-Mail: Swarger@ric-consult.com

MoDOT Project Manager: Taylor Hill – (816) 607-2224

E-Mail: Taylor.Hill@modot.mo.gov

MoDOT LPA: Sean Partain – (816) 607-2147

E-Mail: Sean.Partain@modot.mo.gov

PRESENTATIONS

General Requirements: Project Manager

Bid Date/Time: November 5th, 2019 at 2 PM, City Hall First Floor Room 102W
414 E. 12th Street, Kansas City, MO 64106

Funding:

This project is funded in part with funds offered by the Missouri Department of Transportation (MoDOT).

Antidiscrimination:

The City of Kansas City, Missouri, hereby notifies all bidders that it will affirmatively ensure that in any contract entered into pursuant to this advertisement, businesses owned and controlled by socially and economically disadvantaged individuals will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, religion, creed, sex, age, ancestry, or national origin in consideration for an award.



Pre-Bid Conference Agenda

Project Number STP 3374(402), City Project 89008182

Project Title Route 45/I-29 Interchange – Phase 2C

Prior To Bidding:

Prime Contractors must have a fully responsive contractor questionnaire on file with the Missouri Highways and Transportation Commission (MHTC) at least seven (7) days prior to the bid opening date.

MBE/WBE/DBE approved goals: 12%DBE

Subcontractors utilized for DBE Goals must appear on the MoDOT/Kansas City Approved DBE List and on the MoDOT DBE Directory located at http://www.modot.mo.gov/business/contractor_resources/bid_opening_info/bidGenInfo.shtml.

Trainee: 1 Required at 1,000 hours

Bid Security:

A certified or cashier's check or a bid bond in the amount of 5% shall be submitted with each proposal

Bid Structure: Unit Price Bid

All labor used in the construction of this public improvement shall be paid a wage no less than the prevailing hourly rate of wages of work of a similar character in this locality as established by the Department of Labor and Industrial Relations (Federal Wage Rate), or state wage rate, whichever is higher.

The contract will be awarded to the lowest, responsive, responsible bidder

10-Hour OSHA:

Contractors and sub-contractors who sign a contract to work on public works project provide a 10-Hour OSHA construction safety program, or similar program approved by the Department of Labor and Industrial Relations, to be completed by their on-site employees within sixty (60) days of beginning work on the construction project.

Contract Times:

Calendar Date

- a) All work for the tie in of existing NW Prairie View Road Phase 4 as shown in the project plans to be completed within 45 days of Roadway Closure to full traffic.
- b) All work for the relocation of improvements to Route 45/NW 64th Street and the I-29 interchange as shown in the project plans to be completed and ready for semi-final inspection by October 1, 2020
- c) All remaining work, final corrective measures for both projects for work completed in (a) and (b) and final paperwork to be completed May 30, 2021.



Pre-Bid Conference Agenda

Project Number STP 3374(402), City Project 89008182

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Damages:

If the Work is not completed and ready for final payment in accordance with Paragraph 14.07, within the period stated in Paragraph 12.01 B.2, CONTRACTOR shall pay to CITY the amount as detailed below

- a.) NW Prairie View Road Phase 4 – Eight Hundred Fifty (\$850)
- b.) Improvements to Route 45/64th Street and I-29 Interchange – One Thousand One Hundred (\$1100)
- c.) Final Corrective Measures – Two Thousand Eight Hundred Twenty Five (\$2825)

Addenda:

<http://www.kcmoplanroom.org>. All addenda will be posted at this location.

Special Requirements:

No 2nd tier subcontracting will be allowed on this project.

Each bidder must certify that it is not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any federal agency and they have not been convicted or had civil judgment rendered within the past 3 years.

Required Contract Submissions:

- a) Documents required at the time of Bid:
 - i) Form 00410 – Bid/Form Contract
 - ii) Form 00412 – Unit Prices
 - iii) Form 00430 – Bid Bond
 - iv) Anti-Collusion Statement
- b) Bidder is required to deliver or fax to the Contract Administrator by 4:00 p.m. within three (3) business days after the bid opening the following documents:
 - 1. DBE Submittal Forms (page 1 of 3; page 2 of 3; and page 3 of 3)
 - 2. Subcontractor Certification Regarding Affirmative Action (Prime Contractor must execute this Certification and obtain an executed Certification from each proposed subcontractor)
 - 3. Certification that Contractor is not Excluded from State or Federal Programs (Prime Contractor must execute this Certification and obtain an executed Certification from each proposed sub- contractor)

Technical Requirements: DESIGN PROFESSIONAL/MoDOT Project Manager

Project Description/Scope of Work

Relocation of NW Prairie View Road south of I-29 to connect with North Chatham Drive and improvements to the I-29 and Route 45 Interchange. Improvements will include concrete pavement, asphalt pavement, concrete sidewalk, curb and gutter, traffic signals, drainage flumes, erosion control, retaining walls, metal fencing, storm drainage, grading, rock base, and appurtenances. This is a public improvement project funded in part with Federal funds known as:



Pre-Bid Conference Agenda

Project Number STP 3374(402), City Project 89008182

Project Title Route 45/I-29 Interchange – Phase 2C

I-29 and Route 45 Interchange Improvements Phase 2C

Federal Project Number: STP3374(402)

City Project Number: 89008182

Construction Phases:

Borrow area material shown in plans within the temporary easement areas

Special Reports:

Geotech Report issued as Addenda 1

Construction Staging:

Cell tour maintain access

Assisted living facility maintain access at all times

Pedestrian access maintained as well

New drive for truck traffic for old Grocery store dock access

Utilities noted in project manual, no impacts noted

Two separate designers with section on 45 designed with MoDOT in house staff

QUESTIONS AND ANSWER PERIOD

None.

SITE VISIT

Site available for contractor to visit, stay within right-of-way and temporary easements as shown on plans. Contractor responsible for all safety at project site.

Geotech report provided as Addenda 1. It was developed for design use only, and use is at your own risk.



Pre-Bid Conference Agenda

Project Number STP 3374(402), City Project 89008182

Project Title Route 45/I-29 Interchange – Phase 2C

Public Works Department
Pre-Bid Conference
at 2 pm at SPEC Building Conference Room,
4721 Coal Mine Road, Kansas City, Missouri
☐ Mandatory ☒ Optional

Name	Organization	Phone Number	E-Mail Address
Kim Pemberton	City of Kansas City	816-513-2741	Kim.Pemberton@kcmo.org
Trevor Heiman	JM Fahey	816-763-3010	Trevor.Heiman@jmfahey.com
Craig Bryant	SDI	816-682-6413	Craig@shedigsit.com
Joel Morgan	Emery Sapp and Sons	816-221-3500	Joel.Morgan@emertysapp.com
Steve Warger	Warger Associates	816-769-6132	SteveWarger@gmail.com
Trevor Kratzberg	Lexeco	913-727-1234	Estimating@lexeco.com
Tom Marten	Gunter	913-362-7844	bids@gunterkc.com
Ken Ashmore	Amino Bro's Co, Inc.	913-334-2330	ken@aminobros.com
Sean Partain	MoDOT	816-607-3159	Sean.Partain@modot.mo.gov



Pre-Bid Conference Agenda

Project Number STP 3374(402), City Project 89008182

Project Title Route 45/I-29 Interchange – Phase 2C

Name	Organization	Number	Address
Dave Buchanan	KCMO		
Vitality Soyarkor	US		
Vladi Soyarkor	US		

Item	Set /Title /Description /Designation	Drawing No(s)	Dated
	Cover Sheet	1	1/11/2016
	Quantities	2	1/11/2016
	General Notes	3	1/11/2016
	Typical Section	4	1/11/2016
	Existing Conditions	5	1/11/2016
	Existing Pavement Demolition	6	1/11/2016
	Existing Prairie View Road Demolition	7	1/11/2016
	Existing Utility Demolition	8	1/11/2016
	General Layout	9	1/11/2016
	Gravel Access To Cell Tower	10	1/11/2016
	Overall Grading Plan	11-12	1/11/2016
	Erosion Control Plan	13-14	1/11/2016
	Roundabout Dimension Plan	15-18	1/11/2016
	Hen House Truck Entrance Plan	19	1/11/2016
	N. Chatham Ave Spot Grades	20	1/11/2016
	Roundabout Spot Grades	21	1/11/2016
	Existing Prairie View Road Tie In	22	1/11/2016
	62nd Street Plan Profile	23-25	1/11/2016
	Sections	25a-25u	1/11/2016
	Storm Lines Plan And Profiles	26-30	1/11/2016
	Sanitary Sewer Line A Plan And Profile	31	1/11/2016
	Existing Sanitary Line Lining Plan And Profile	32	1/11/2016
	Retaining Wall Plan And Profiles	33-34	1/11/2016
	Retaining Wall Details	35	1/11/2016
	Traffic Control Standards	36	1/11/2016
	Traffic Control Phase 1	37	1/11/2016
	Traffic Control Phase 2	38	1/11/2016
	Traffic Control Phase 3	39	1/11/2016
	Traffic Control Phase 4	40	1/11/2016
	Street Lighting Plans		
	Cover Sheet	1	1/11/2016
	Street Lighting Plan	2-3	1/11/2016
	Electrical Riser Diagram	4	1/11/2016
	Voltage Drop	5	1/11/2016
	Street Lighting Details	6-7	1/11/2016

UNIT PRICESProject Number: **STP 3374 (402), City Project 89008182**Project Title: **Route 45/I-29 Interchange – Phase 2C****NOTE: IN THE EVENT OF DISCREPANCY, UNIT PRICE SHALL GOVERN.**

Item No.	Unit	Quantity	Item Description:	Unit	Extension
Miscellaneous					
1	L.S.	1	Mobilization		
2	L.S.	1	Construction Staking		
3	Ac.	1	Clearing & Grubbing		
4	Ac.	9.86	Tree Removal (No Burning)		
5	S.Y.	3,476	Removal of Existing Pavement		
6	L.F.	2,240	Removal of Existing Curb and Gutter		
7	L.F.	1,175	Removal of Existing Sidewalk		
8	L.F.	723	Removal of Existing Storm Sewer		
9	Each	11	Removal of Existing Structures		
10	Ac.	10.5	Seeding (Fescue)		
Traffic Control					
11	Each	6	R11-4 Road Closed to Thru Traffic		
12	Each	3	M04-8 Detour		
13	Each	1	M04-8A End Detour		
14	Each	8	M04-10L Detour Left		
15	Each	9	M04-10R Detour Right		
16	Each	5	W020-1 Road Work Ahead		
17	Each	5	W020-2 Detour Ahead		
18	Each	11	W020-3 Road Closed Ahead		
19	Each	1	G20-2 End Road Work		
20	Each	8	T3 Barricade		
21	Each	12	Channelizers		
22	Each	3	Prairie View Road Plaque		
23	LF	2575	Orange 3" SDR 11 HDPE Conduit		
24	Each	5	24" x 36" x36" Poly-Concrete Tier 22 Handholes		
				SUBTOTAL	
Grading					
25	C.Y.	69,028	Unclassified Excavation		
26	C.Y.	70,017	Embankment		
27	S.Y.	14,518	Subgrade Stabilization (12" Flyash Treatment)		
28	S.Y.	14,518	Rock Subbase (6") (Compacted Untreated)		
29	S.Y.	366	Rock Subbase (4" MoDOT Type 5)		
30	S.Y.	2,476	Light Subgrade (18" Type 18)		
31	S.F.	6,485	Big Block Retaining Wall		
32	L.F.	963	Fence/rail		
				SUBTOTAL	
Erosion Control					
33	L.F.	4,286	Silt Fence		
34	Each	16	Curb Inlet Protection (Waddles)		
35	Each	3	Area Inlet Protection		
36	Each	3	Rock Check Dam		
37	S.Y.	557	Temporary Construction Entrance		
38	ACRE	2	Temporary seeding		
				SUBTOTAL	
Pavement					
39	S.Y.	14,518	2" Type 4 Asphalt Surface		
40	S.Y.	444	5" Type 3 Asphalt Base		
41	S.Y.	14,518	9" Type 3 Asphalt Base		
42	S.Y.	366	8" Concrete Pavement (PCC)		
43	S.Y.	716	6" Concrete Pavement (PCC) (Raised Median)		
44	S.Y.	1399	Asphalt Extension Under Curb		
				SUBTOTAL	
Curbs & Sidewalks					
45	L.F.	377	Curb & Gutter (MoDOT 3" Type E) (Low Profile)		
46	L.F.	6296	Curb & Gutter (Type CG-1)		

Item No.	Unit	Quantity	Item Description:	Unit	Extension
47	S.F.	18652	Concrete Sidewalks (5' Wide, 5" Thick)		
48	Each	8	ADA Curb Ramps (6" Thick w/ Detectable Warning)		
				SUBTOTAL	
Storm Sewers					
49	L.F.	305	15" RCP		
50	L.F.	434	18" RCP		
51	L.F.	318	24" RCP		
52	L.F.	671	30" RCP		
53	L.F.	61	36" RCP		
54	L.F.	155	48" RCP		
55	Each	1	18" RCP End Section		
56	Each	1	30" RCP End Section		
57	Each	2	36" RCP End Section		
58	Each	2	48" RCP End Section		
59	Each	293	4' x 4' RCB End Section and Wing Walls		
60	Each	12	Std. Curb Inlet (5' x 3' Inside)		
61	Each	1	Std. Curb Inlet (11' x 3' Inside)		
62	Each	8	Convert / Adjust Existing Inlets		
63	Each	1	Std. Field Inlet (5' x 5' Inside)		
64	S.Y.	1042	Rip Rap		
				SUBTOTAL	
Sanitary Sewers					
65	L.F.	300	8" SDR-21		
66	Each	3	Adjust Existing 4' Dia. Manhole		
67	Each	1	Std. Manhole (4' Dia.)		
				SUBTOTAL	
Waterline					
68	L.F.	31	8" Class 52 DIP w/ Polywrap w/ Zinc Coating		
69	Each	8	8" 45° Bends		
70	Each	4	Straddle Blocks		
71	Each	4	Connection to Existing Waterlines		
				SUBTOTAL	
Street Lighting					
72	Each	28	133 Watt LED Luminaire, 30' Mounting Hght, 6' Bracket Arm		
73	Each	28	Screw In Base Small		
74	Each	28	PELCO 6" Anti-Theft Device		
75	Each	29	KCMO ID Labels		
76	Each	1	Ground Rod		
77	Each	1	Lighting Controller, 2 Ckt		
78	Each	2	Type II Pull Box		
79	Each	56	Breakaway, Set-Screw HEB Fuse Kits w/ 10A Fuses.		
80	Each	28	Unfused Breakaway Fuse Kits		
81	L.F.	1,843	2#4, 1#6G RHH/RHW/USE		
82	L.F.	1,257	2#8, 1#8G RHH/RHW/USE		
83	L.F.	1,232	3#10 RHW/USE (Internal Pole Wiring)		
84	L.F.	100	3#3, USE		
85	L.F.	3,100	2" PVC		
86	L.F.	100	3" PVC		
87	Each	6	Relocate Existing Luminaries		
				SUBTOTAL	
Pavement Marking and Signage					
88	EACH	2	35 MPH Speed Limit Sign (R2-1)		
89	EACH	1	Advisory Speed Limit Sign (W1-2, W13-1)		
90	EACH	4	Advanced Round about sign (W2-6)		
91	EACH	4	Lane Directional Signage (R4-7, W3-P1)		
92	EACH	6	Flourescent Green Ped. Crossiong signs (W11-2, W16-7)		
93	EACH	4	Yield Sign (R1-2)		
94	EACH	4	Directional Arrow Sign (R6-4a)		
95	EACH	4	Street Name sign with directional arrow (D3-R)		
96	L.F.	3,565	4" Solid White Pavement Marking		
97	L.F.	707	4" Dashed White Pavement Marking		
98	L.F.	195	4" Dotted White Pavement Marking		
99	L.F.	1,617	4" Solid Yellow Pavement Marking		

Item No.	Unit	Quantity	Item Description:	Unit	Extension
100	L.F.	620	4" Double Solid Yellow Pavement Marking		
101	L.F.	355	4" Double Solid White Pavement Marking		
102	L.F.	1,800	4" Dashed Yellow Pavement Marking		
103	L.F.	183	24" Solid White Crosswalk Line		
104	L.F.	249	12" Yellow Diagonal Hatch (12' O.C.)		
105	L.F.	176	12" White Diagonal Hatch (12' O.C.)		
106	Each	8	White Left Turn Arrow Pavement Marking		
107	Each	2	White Right Turn Lane Pavement Marking		
108	Each	4	White Straight/Left Turn Arrow Pavement Marking		
109	Each	17	72" Solid White Bike Lane Marking		
				SUBTOTAL	
Miscellaneous			Relocation Quantities		
110	Each	1	Relocation of Existing Fire Hydrant		
				SUBTOTAL	
			MoDOT Items		
111	L.S.	1	REMOVAL OF IMPROVEMENTS		
112	C.Y.	3861	CLASS A EXCAVATION		
113	C.Y.	1289	EMBANKMENT IN PLACE		
114	C.Y.	5150	COMPACTING EMBANKMENT		
115	C.Y.	210	CLASS 3 EXCAVATION		
116	S.Y.	682	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)		
117	S.Y.	10485	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)		
118	S.Y.	4480.4	"CONCRETE PAVEMENT (8 IN. NON-REINFORCED, 15 FT. JOINTS)"		
119	S.Y.	3521.6	CONCRETE PAVEMENT (9 IN. NON-REINFORCED 15 FT. JOINTS)		
120	S.Y.	1580.2	"CONCRETE PAVEMENT (8 1/2 IN. NON-REINFORCED, 15 FT. JOINTS)"		
121	S.Y.	2590.7	TYPE A3 SHOULDER		
122	EACH	1	ADJUSTING BASIN OR INLET		
123	L.F.	388	MGS GUARDRAIL		
124	EACH	2	MGS END ANCHOR		
125	EACH	1	TYPE A CRASHWORTHY END TERMINAL (MASH)		
126	EACH	1	TYPE C CRASHWORTHY END TERMINAL		
127	EACH	10	"GUARDRAIL DELINEATOR, WHITE"		
128	S.Y.	173.7	CONCRETE CURB RAMP		
129	S.F.	361	TRUNCATED DOMES		
130	S.Y.	181.6	6 IN. CONCRETE MEDIAN STRIP		
131	S.Y.	681.7	"PAVED APPROACH, 8 IN."		
132	S.Y.	1065.4	"CONCRETE SIDEWALK, 4 IN."		
133	L.F.	55	CURB AND GUTTER TYPE A		
134	L.F.	1373	CURB AND GUTTER TYPE B		
135	C.Y.	4	ROCK LINING		
136	EACH	1	GRATE AND BEARING PLATE (5 FT. X 3 FT. OR 1524 MM X 914 MM)		
137	EACH	1	"MANHOLE FRAME AND COVER, TYPE 3"		
138	S.F.	933	CONSTRUCTION SIGNS		
139	EACH	7	FLAG ASSEMBLY		
140	EACH	145	CHANNELIZER (TRIM LINE)		
141	EACH	10	TYPE III MOVEABLE BARRICADE		
142	EACH	2	FLASHING ARROW PANEL		
143	EACH	2	"CHANGEABLE MESSAGE SIGN WITHOUT COMMUNICATION INTERFACE, CONTRACTOR FURNISHED, CONTRACTOR RETAINED"		
144	EACH	4	ADA COMPLIANT BARRICADE		
145	L.F.	113	"CONCRETE TRAFFIC BARRIER, TYPE C"		
146	L.S.	1	MOBILIZATION		
147	L.F.	3175	PAVEMENT EDGE TREATMENT		
148	L.F.	314	"PREFORMED THERMOPLASTIC PAVEMENT MARKING, 24 IN. WHITE"		
149	EACH	42	"PREFORMED THERMOPLASTIC PAVEMENT MARKING, LEFT/RIGHT ARROW"		

Item No.	Unit	Quantity	Item Description:	Unit	Extension
150	EACH	4	"PREFORMED THERMOPLASTIC PAVEMENT MARKING, STRAIGHT ARROW"		
151	EACH	2	"PREFORMED THERMOPLASTIC PAVEMENT MARKING, WORD (ONLY)"		
152	EACH	69	"PREFORMED THERMOPLASTIC PAVEMENT MARKING, 30 IN WHITE MIDBLOCK"		
153	L.F.	3927	"4 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS"		
154	L.F.	10641	"6 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS"		
155	L.F.	1889	"6 IN. YELLOW HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS"		
156	L.F.	290	"12 IN. WHITE HIGH BUILD WATERBORNE PAVEMENT MARKING PAINT, TYPE L BEADS"		
157	L.F.	143	"24 IN. WHITE STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS"		
158	L.F.	187	"24 IN. YELLOW STANDARD WATERBORNE PAVEMENT MARKING PAINT, TYPE P BEADS"		
159	L.F.	6949	PAVEMENT MARKING REMOVAL		
160	EACH	23	PAVEMENT MARKING REMOVAL (SYMBOLS)		
161	L.S.	1	CONTRACTOR FURNISHED SURVEYING AND STAKING		
162	L.S.	1	FABRICATED SIGN SUPPORT BRACKETS		
163	L.F.	175	30 IN. PIPE GROUP B		
164	L.F.	7	PRECAST CONC. DROP INLET 5 FT X 3 FT		
165	EACH	1	30 IN. OR ALLOWED SUBSTITUTE GROUP B FLARED END SECTION		
166	ACRE	0.5	SEEDING - COOL SEASON MIXTURES		
167	C.Y.	20	SEDIMENT TRAP ROCK		
168	L.F.	24	ROCK DITCH CHECK		
169	L.F.	550	ALTERNATE DITCH CHECK		
170	C.Y.	34	SEDIMENT REMOVAL		
171	L.F.	3228	SILT FENCE		
172	EACH	1	"LIGHTING POLE, 30 FT. OR 9.0 M, TYPE AT"		
173	L.F.	491	"CONDUIT, 3 IN. RIGID, IN TRENCH"		
174	L.F.	13	"CONDUIT, 4 IN. RIGID, IN TRENCH"		
175	L.F.	677	"CONDUIT, 3 IN. RIGID, PUSHED"		
176	L.F.	112	"CONDUIT, 4 IN. RIGID, PUSHED"		
177	EACH	1	"PULL BOX, CONCRETE, STANDARD"		
178	EACH	10	"SIGNAL HEAD, TYPE 1S"		
179	EACH	2	"SIGNAL HEAD, TYPE 3S"		
180	EACH	1	"SIGNAL HEAD, TYPE 5S"		
181	EACH	2	"SIGNAL HEAD, TYPE 1C"		
182	EACH	23	"SIGNAL HEAD, TYPE 3B"		
183	EACH	1	"SIGNAL HEAD, TYPE 5B"		
184	EACH	5	LUMINAIRE LED-A, 120 VOLT COMPATIBLE		
185	EACH	8	"POST, SIGNAL 8 FT. OR 2.4 M"		
186	EACH	1	"POST, TYPE CL, 40 FT. ARM OR 12.2 M ARM"		
187	EACH	1	"POST, TYPE CL, 45 FT. ARM OR 13.7 M ARM"		
188	EACH	2	"POST, TYPE CL, 50 FT. ARM OR 15.2 M ARM"		
189	EACH	1	"POST, TYPE CL, 55 FT. ARM"		
190	EACH	1	"POST, TYPE BL, LONGEST ARM 20 FT. OR 6.1 M"		
191	EACH	2	"CONTROLLER ASSEMBLY HOUSING, NEMA TS2 CONTROLLER"		
192	L.F.	491	"CONDUIT, 3 IN., TRENCH WITH TRACER WIRE"		
193	L.F.	677	"CONDUIT, 3 IN., PUSHED WITH TRACER WIRE"		
194	L.F.	112	"CONDUIT, 4 IN., PUSHED WITH TRACER WIRE"		
195	L.F.	270	"CABLE, 10 AWG 1 CONDUCTOR, POLE AND BRACKET"		
196	L.F.	170	"CABLE, 10 AWG 1 CONDUCTOR, POWER"		
197	L.F.	1370	"CABLE, 12 AWG 2 CONDUCTOR"		
198	L.F.	3590	"CABLE, 16 AWG 2 CONDUCTOR"		
199	L.F.	4709	"CABLE, 16 AWG 5 CONDUCTOR"		
200	L.F.	5444	"CABLE, 16 AWG 7 CONDUCTOR"		
201	L.F.	11440	"CABLE, LOOP DETECTOR, IN DUCT"		
202	L.F.	9610	"CABLE, LOOP DETECTOR, LEAD-IN"		
203	EACH	7	"PULL BOX, PREFORMED CLASS 1"		
204	EACH	1	"PULL BOX, CONCRETE, STANDARD"		

Bidder: _____

Item No.	Unit	Quantity	Item Description:	Unit	Extension
205	C.Y.	25.8	"BASE, CONCRETE"		
206	C.Y.	3	"CONCRETE FOOTINGS, EMBEDDED"		
207	LBS	990	STRUCTURAL STEEL POSTS		
208	EACH	6	BREAKAWAY ASSEMBLY (PERFORATED SQUARE STEEL TUBE)		
209	EACH	20	"7 FT. CHANNEL POST DELINEATOR, WHITE"		
210	EACH	5	"7 FT. CHANNEL POST DELINEATOR, YELLOW"		
211	L.F.	285	2 IN. PSST POST - 12 GA.		
212	L.F.	72	POST ANCHOR FOR 2 IN. PSST - 12 GA.		
213	L.F.	45	2.5 IN. PSST POST - 12 GA.		
214	L.F.	9	POST ANCHOR FOR 2.5 IN. PSST - 7 GA.		
215	S.F.	108	SH-FLAT SHEET		
216	S.F.	38	SHF-FLAT SHEET FLUORESCENT		
217	L.F.	84	"CONDUIT, 1 IN., LOOP DETECTOR"		
218	EACH	1	CCTV CAMERA ASSEMBLY, DOME TYPE, INSTALLED WITH CABLE		
				SUBTOTAL	
			Non-Participatory Items		
219	L.F.	1,037	Re-Line Existing 12" Clay Sewer Line		
				SUBTOTAL	
			Total Unit Prices: (LAST PAGE ONLY)		

Note: May be printed, for manual fill-in, or filled in on electronic excel spreadsheet version.