



January 25, 2023

ADDENDUM NO. 2

**FAITHON P. LUCAS BOULEVARD
PAVING AND DRAINAGE RECONSTRUCTION
(MCKENZIE ROAD TO E. CARTWRIGHT ROAD)
RFP NO. 2023-029**

Bidders are directed to revise and incorporate into their bid the following change(s) in bid specifications:

REVISION & CLARIFICATION:

1. Replace **Bid Form**, pages 12 and 19, with the attached revised Bid Form
2. Item 140 is for Oncor light foundations. Oncor will remove existing lights and install new lights. Bridge beams shall be TX46. Approach slab for existing bridge shall not be removed and replaced.

QUESTIONS & ANSWERS:

Question 1: What is the Engineer's estimate for this project?

Response: Estimated construction cost: \$20,000,000

Question 2: SP-16 DBE Information - Specification page 82 of 137 says 'The Contractor is encouraged make a good faith effort to utilize DBE companies' but does not specify a goal - Is there an anticipated goal (%) identified for this project??

Response: There is no specific % goal for the good faith effort.

Question 3 It appears that there is an OHE Transmission Line that runs across the Bridge Bent 4 & an OHE Distribution Line that runs across the Bridge Bent 5

What is the distance between the ground and the lowest hanging line at each location?

What is the kV of the line at each location?

Who is the Owner of each the line at each location?

What will be the required OSHA buffer by the Owner at each location?

Response: Distances from the lines are not known and variable. Contact Oncor regarding the kV of each line. Oncor Transmission owns the transmission lines and Oncor Distribution owns the distribution lines. Refer to OSHA for proper safety clearances. Oncor has indicated it may be possible to de-energize or insulate lines during certain construction activities which will be the responsibility of the contractor to coordinate and schedule.

Question 4: Bid Item 22 calls for 6" Lime Treated Subgrade. Typical Sections and Quantity summary calls for 8" Lime Treated Subgrade. Please clarify what is required?

Response: Bid item will be changed to 8" thickness.

Question 5: Plan Sheet 139 "Slab Details – Unit 1 & 2" does not indicate whether the slab reinforcing steel is uncoated or epoxied. Please verify which type of slab reinforcing steel is to be used.

Response: Steel to be epoxy coated.

Question 6: Plans Sheets 132 "Abutment #1", 134 "Abutment #7", & 136 "Interior Bents #2 Thru #6" indicate in the notes - drill shaft and column reinforcing steel to be grade 40. Please confirm intention is for grade 40 and not grade 60, that is typical for this application.

Response: Steel to be Grade 60.

Question 7: Plan Sheets 132 "Abutment #1", 134 "Abutment #7", & 136 "Interior Bents #2 Thru #6" indicate in the drill shaft call out the spiral to have "One flat turn top & bottom". Plan Sheet 222 "Common Foundation Details" indicate in Note 1 the #3 spiral at 6" pitch (one and a half flat turns top and bottom). Please confirm which application to use on the spiral treatment.

Response: One and a half flat turns top and bottom shall apply.

Question 8: Plan Sheet 137 "Interior Bents #2 Thru #6 Miscellaneous Details" indicates 7,402 Lb of reinforcing steel for Bent 2. Please confirm weight quantity as it appears to be understated by approximately 400 lbs.

Response: Agree. Bent 2 steel is approximately 7,800 lbs.

Question 9: Does the City of Mesquite have temporary construction easements outside the existing ROW along the alignment of the bridge for equipment crane access during bridge construction? Less than 20 feet between the new bridge and existing ROW will not allow cranes and other equipment/trucks to pass without numerous crane re-orientations

Response: Existing drainage easements are in place beyond the proposed ROW which will provide adequate room for construction.

Question 10: Plan Sheets 128 & 129 "Bridge Layout" do not indicate for the C411 (Mod) rail the following: dimensions with the number of span pilasters, dimensions with the number of

windows, window type, inclusion/exclusion of the bronze star, or inclusion/exclusion of the construction year with abutment identity. Please verify/confirm listed information for C411(Mod) rail.

Response: Follow C411 standard for dimensions and pilaster arrangement. No bronze star is required but include construction year.

Question 11: Will National Bridge Inventory Numbers (NBI) be required on the bridge structures for this project?

Response: New NBI numbers are shown on the Bridge Layout Sheets.

Question 12: For bridge concrete surfaces, what type of surface finish is required on the project?

Response: All bridge pavement shall be grooved with tine finish.

Question 13: Will concrete structures surface area require any finishing with an opaque sealer? If so, please indicate color.

Response: No.

Question 14: Will the bridge deck and approach slabs require grooving?

Response: Per Special Provision SP-17 all concrete street pavement shall be grooved with tine finish.

Question 15: Please specify the standard required for RCB Embedment. On sheet 187 of 252, there is Storm Drain Embedment standard but it's only for RCP

Response: RCB embedment should be similar to RCP and modified as required.

Question 16: Are precast inlets allowed or are they required to be 2-Stages with Cast-in-Place top?

Response: Cast-in-place inlets are preferred.

Question 17: Sheets 231 and 232 show rail anchorage inserts to anchor the Mod C411 Rail. For the new bridge why would you not utilize casting the reinforcement for anchorage into the bridge deck per the TXDOT standard? Also, how would these anchors work on the existing bridge where you are retrofitting a new rail, and the slab is already poured?

Response: Agree, C411 Rail Detail should be used on new construction without anchors. Drill and epoxy coat anchors for retrofit

Question 18: Who is responsible for testing?

Response: The contractor shall designate and pay a City approved laboratory to perform all testing.

Question 19: Do you plan to add a bid item for milling or removing the asphalt? The removal plans show asphalt removal, and the city has recently put an overlay on the roadway.

Response: Item added for milling/removal of asphalt and stabilized base. Assume 4"-6" thickness of asphalt in the area quantity. No adjustment will be made to the excavation quantity.

Question 20: Does the city require prime on the lime subgrade?

Response: No prime coat is required on subgrade. If completed subgrade is not covered in a reasonable time the City may require the subgrade to be sealed.

Question 21: The specs call for a Type D embankment. Is there a specific PI that the city requires?

Response: No. Embankment from the project site will be utilized free of organics and other material.

Question 22: There are items in the summary sheets that do not have bid items. Will these be added as bid items? ie: Item P33 Topsoil, or TR 7 Retaining Wall, cast in place – 2490 SF

Response: Some items in the Estimated Quantities were not included in the bid proposal (Topsoil) or or changed descriptions in the bid proposal (Retaining Wall).

Question 23: Are the existing typical sections available?

Response: Typical sections are included in the plan pages 7-9.

Question 24: Sheet 84 calls for a concrete swale and 4" - 6" Rock Riprap.
How is it paid?

Response: All swale items in this area will be paid by Grouted Rock Riprap (Type R).

Question 25 Can you provide the bottom of wall elevations?

Response: There are potentially numerous walls on the project. Walls will be constructed per details or manufacturer's recommendations and pay items will include areas below surface.

Question 26: Plan Sheet 36 @ approximately 44+50 shows to remove the wastewater there.
What are the limits for removal. How will it be paid?

Response: Abandoned wastewater lines will be grouted in place per pay item.

Question 27: For the RW shown on sheets 47 and 64 of the plans we are assuming this is for bid item 59 and sheet 100 standard for Spread footing RW is to be utilized. The wall heights listed are assumed to be from finished ground elevation. How deep will the footings need to be below the finished ground?

Response: Per the detail, there should be 1' minimum between proposed/natural ground and top of footing.

Question 28: Where is the portable traffic barrier to be utilized on the project? There is no indication in the plans where this is to be used.

Response: Currently there are no specific locations identified for portable concrete barriers. They may be required as needed in areas of large cut or fill.

Question 29: On sheets 48 and 49 in the plans there is a note about concrete block walls being installed to protect trees as directed by engineer. It is assumed that the standard provided on sheet 40 is what should be utilized for this wall. We need to know approx. heights for this wall, as you can see on sheet 240 anything over 6' requires earth reinforcements. Also does the City/Design engineer have a specific block system they would like utilized?

Response: Block system should be Pavestone Regal Stone Pro (8") or similar.

Question 30: Are the CAD files available in a *.DWG, *.DGN and/or *.XSR format?

Response: CAD files can be provided to low bidder prior to construction.

Question 31: Is a copy of the time determination schedule available?

Response: No.

Question 32: Is there a SUE, or existing utility plan available?

Response: No. Some utilities have plans for existing utilities but most of those are being relocated.

Question 33: Is there a detail for the 15'x10' Junction box shown on sheet 120 of plans?

Response: Detail for 15' x 10' junction box shall be provided in additional addendum.

Question 34: Will a bid item be created for the removal of the old bridge abutment and wall between bridge Bents 2 & 3? The wall is blocking any access from the south end

Response: A bid item has been created.

Question 35: Are temporary crossings allowed across the two creeks?

Response: Yes. As long as crossings are for low flow with minimal obstruction.

Question 36: The Storm Water Pollution Prevention Plan on Sheet 147 states in the Project Description that work consists of "Regrading of existing creek", and Major Soil Disturbing Activities includes "channel grading". Will the City provide the grading plan for the creek area and create a bid item "EXCAVATION (CHANNEL)" to pay for this scope of work?

Response No grading is proposed in the creek other than backfill and tie-ins for proposed bridge.

Question 37: Sheet 161 calls out a new siphon on a section of the existing 12" waterline (E/W12) in order to avoid a conflict with the new 12x8 box culvert, however it also calls out to abandon that section of E/W12. Sheet 120 also shows the E/W12 to be abandoned while clearly showing it's in conflict with the 12x8 culvert, and sheet 38 does not call it out to be removed. Does the City want that section of E/W12 to be removed instead of abandoned?

Response **Yes. About 50 L.F of the old water pipe will need to be removed for the trench excavation. This item will be considered subsidiary.**

Question 38: Sheet 128 shows the Shows the C411 Mod Rail on the approach slab to be much longer than what is shown for the end section on sheet 231. It is also slightly longer on sheet 129. Please advise the dimensions this rail will be built on approach slabs.

Response **The end sections of C411 Mod Rail can be adjusted per the actual length of the approach slab.**

Question 39: Bid item 120, structural approach slab is: 255 cy. I get approximately 105 cy. Please confirm the bid quantity.

Response **Bid item has been revised to 100 CY.**

Question 40: Is cement stabilized backfill required at bridge abutments?

Response **Yes, as required.**

Question 41: Is epoxy coated rebar required for any part of the bridge?

Response **Epoxy coated rebar is required in the bridge slab and rail.**

Question 42: Does any part of the exposed bridge concrete require paint or opaque sealer?

Response **No.**

Question 43: Sheet 232 shows an insert and threaded rod for connecting the rail to the slab. Is this detail provided so the c411 rail can be installed over precast panels? Can a non-modified standard be used if PMD is used and the slab is 8.5" thick?

Response **A new Anchor Bolt Options and Assembly Detail will be provided in additional addendum instead of insert and threaded rod.**

Question 44: Where is the detail for installing c411 rail on the existing bridge?

Response **The new detail will be C411 (MOD).**

Question 45: Are there any details for installing the anchors for the decorative steel rail on the existing bridge?

Response **See sheet 189 for details.**

Question 46: Are there any details for installing the rebar dowels for the stone pedestals on the existing bridge?

Response **See sheet 141 for details.**

Question 47: Are there any demolition instructions for removing existing bridge rails?

Response **Use TxDOT Item 451.**

Question 48: Will all overhead electric lines remain in the present location? Can they be de-energized for drill shafts and hoisting girders?

Response **Most overhead electric lines will be relocated. Crossing overhead lines at the bridge will likely remain in place. See previous answer about de-energizing.**

Question 49: Sheet 219 "b" has a detail for bridge lights. Are there any bridge lights?

Response **Only bridge lights under the bridge for proposed trail.**

Question 50: Is shear key concrete pads required between girders at abutments and bents?

Response **No.**

If you should have any other questions, do not hesitate to contact the Purchasing Office at 972-216-6201.

Ryan Williams

Ryan Williams
Manager of Purchasing

ACCEPTANCE:

We, the undersigned, do hereby acknowledge receipt of this Addendum No. 2 to Bid No. 2023-029; **Faithon P. Lucas Boulevard Paving And Drainage Reconstruction (McKenzie Road To E. Cartwright Road)**, and agree to the instructions herein written.

Company Name

Authorized Signature

Date

**FAITHON P. LUCAS BOULEVARD PAVING AND DRAINAGE RECONSTRUCTION
(MCKENZIE ROAD TO E. CARTWRIGHT ROAD)**

CITY CONTRACT NO. 2023-029

MESQUITE, TEXAS

ITEM NO	BID QTY	UNITS	ITEM DESCRIPTION	UNIT PRICE	AMOUNT
1	93	STA	PREPARING RIGHT-OF-WAY	\$	\$
2	1	LS	MOBILIZATION (MAX 5% OF BID TOTAL)	\$	\$
3	20	MO	TRAFFIC CONTROL PLAN, BARRICADES, SIGNS, AND TRAFFIC HANDLING PER TMUCD (DEVELOP AND IMPLEMENT)	\$	\$
4	2,000	SY	ASPHALT DETOUR PATCHING/OVERLAY (2" THICK)	\$	\$
5	60	DAY	ELECTRONIC MESSAGE DISPLAY BOARD	\$	\$
6	1,000	LF	CONCRETE TRAFFIC BARRIERS (PORTABLE) (LOW PROFILE) (FURNISH, INSTALL & REMOVE)	\$	\$
7	1	LS	REMOVE TREES (12"-24" DIA.) (APRX. 200)	\$	\$
8	1	LS	REMOVE TREES (GREATER THAN 24" DIA.) (APRX. 100)	\$	\$
9	14,000	SY	REMOVE CONCRETE PAVEMENT INC. DRIVEWAY/CURB/ASPHALT OVERLAY	\$	\$
9A	16,500	SY	MILL/REMOVE ASPHALTIC PAVEMENT AND STABILIZED BASE	\$	\$
10	1,300	SY	REMOVE CONCRETE INC. SIDEWALK/RIPRAP/ MOWSTRIP/BRICK PAVERS	\$	\$
11	20	EA	REMOVE SMALL CONCRETE STRUCTURES INC. INLETS/ HEADWALLS	\$	\$
12	2,300	LF	REMOVE DRAINAGE PIPE	\$	\$
13	600	LF	REMOVE CONCRETE BOX CULVERT	\$	\$
14	1,304	LF	REMOVE TRAFFIC RAIL FROM BRIDGE STRUCTURE	\$	\$
15	652	LF	REMOVE PEDESTRIAL RAIL FROM BRIDGE STRUCTURE (EXCLUDING STONE COLUMNS)	\$	\$
16	500	LF	REMOVE METAL BEAM GUARD FENCE	\$	\$
17	1	EA	REMOVE CATTLE GUARD	\$	\$
18	1	EA	REMOVE ODOR ELIMINATOR, COMPLETE	\$	\$
19	1	ALW	SITE INVESTIGATION FOR UTILITIES	\$20,000.00	\$20,000.00
20	1	LS	EXCAVATION (ROADWAY) (55,278 CY)	\$	\$
21	1	LS	EMBANKMENT (FINAL) (TY D) (DENSITY CONTROL) (63,906 CY)	\$	\$
22	56,000	SY	LIME TREATED SUBGRADE (8" THICK) (TYPE A) (DENSITY CONTROL)	\$	\$

ITEM NO	BID QTY	UNITS	ITEM DESCRIPTION	UNIT PRICE	AMOUNT
23	1,232	TN	LIME (TYPE A) (SLURRY)	\$	\$
24	1,000	SY	FLEX BASE (COMPLETE IN PLACE) (6" THICK) (TY D) (GRADE 1) (CLASS 5) FOR ACCESS	\$	\$
25	900	SY	HOT MIX ASPHALTIC CONCRETE PAVEMENT (TYPE "B") (4" THICK)	\$	\$
26	900	SY	HOT MIX ASPHALTIC CONCRETE PAVEMENT (TYPE "D") (2" THICK)	\$	\$
27	51,000	SY	CONCRETE PAVEMENT (10" THICK) (#5 REINFORCEMENT @ 18" O.C.E.W.) (4000 PSI)	\$	\$
28	400	SY	CONCRETE PAVEMENT (COLORED/STAMPED) (10" THICK) (#5 REINFORCEMENT @ 18" O.C.E.W.) (4000 PSI)	\$	\$
29	700	SY	CONCRETE PAVEMENT (8" THICK) (#4 REINFORCEMENT @ 18" O.C.E.W.) (4000 PSI)	\$	\$
30	700	SY	CONCRETE PAVEMENT (6" THICK) (#4 REINFORCEMENT @ 18" O.C.E.W.) (4000 PSI)	\$	\$
31	462	LF	CONCRETE PAVEMENT REINFORCED STREET HEADER	\$	\$
32	31,000	LF	CONCRETE MONOLITHIC CURB (6")	\$	\$
33	368	LF	CONCRETE MOUNTABLE CURB (3")	\$	\$
34	180	LF	CONCRETE MOUNTABLE CURB (6")	\$	\$
35	140	SY	CONCRETE MONOLITHIC MEDIAN NOSE	\$	\$
36	5,000	SY	CONCRETE MEDIAN/PARKWAY (COLORED/ STAMPED) (4" THICK)	\$	\$
37	1,300	SY	CONCRETE DRIVEWAYS (6" THICK)	\$	\$
38	800	SY	CONCRETE DRIVEWAYS (8" THICK)	\$	\$
39	6,200	SY	CONCRETE SIDEWALK (4" THICK)	\$	\$
40	100	SF	CONCRETE SIDEWALK CURB (UP TO 12")	\$	\$
41	10	CY	CONCRETE SIDEWALK WITH RETAINING WALL	\$	\$
42	3,000	SF	CONCRETE SIDEWALK THICKENED EDGE (12" THICK)	\$	\$
43	800	SF	CONCRETE SIDEWALK THICKENED EDGE FOR PED. RAIL (18" THICK)	\$	\$
44	10,500	SY	CONCRETE TRAIL (6" THICK)	\$	\$
45	30	CY	CONCRETE TRAIL WITH RETAINING WALL	\$	\$
46	24	SF	TRAIL SAFETY PLATE	\$	\$
47	550	LF	HANDRAIL	\$	\$
48	2,000	LF	PEDESTRIAN RAIL (TRAIL)	\$	\$
49	10	EA	REMOVABLE PIPE BOLLARD (5" DIA MIN)	\$	\$
50	6	EA	CONCRETE CURB RAMP (TY 1)	\$	\$
51	2	EA	CONCRETE CURB RAMP (TRAIL) (TY 1)	\$	\$

ITEM NO	BID QTY	UNITS	ITEM DESCRIPTION	UNIT PRICE	AMOUNT
52	10	EA	CONCRETE CURB RAMP (TY 7)	\$	\$
53	10	EA	CONCRETE CURB RAMP (TRAIL) (TY 7)	\$	\$
54	6	EA	CONCRETE CURB RAMP (TY 10)	\$	\$
55	6	EA	CONCRETE CURB RAMP (TY 20)	\$	\$
56	2	EA	CONCRETE CURB RAMP (TRAIL) (TY 20)	\$	\$
57	10	CY	CONCRETE RETAINING WALL (DRIVEWAY)	\$	\$
58	200	CY	CONCRETE RETAINING WALL (36" HEIGHT OR LESS)	\$	\$
59	100	CY	CONCRETE RETAINING WALL (GREATER THAN 36" HEIGHT)	\$	\$
60	1,000	SF	PAVESTONE RETAINING WALL	\$	\$
61	1	EA	CATTLE GUARD (16')	\$	\$
62	12	EA	ADJUST MANHOLE TOP	\$	\$
63	15	EA	ADJUST WATER VALVE STACK TOP	\$	\$
64	2	EA	ADJUST GROUND BOX (SMALL)	\$	\$
65	2	EA	ADJUST GROUND BOX (LARGE)	\$	\$
66	956	LF	REINFORCED CONCRETE PIPE (24") (CLASS III)	\$	\$
67	142	LF	REINFORCED CONCRETE PIPE (27") (CLASS III)	\$	\$
68	225	LF	REINFORCED CONCRETE PIPE (30") (CLASS III)	\$	\$
69	67	LF	REINFORCED CONCRETE PIPE (36") (CLASS III)	\$	\$
70	65	LF	REINFORCED CONCRETE PIPE (42") (CLASS III)	\$	\$
71	64	LF	REINFORCED CONCRETE PIPE (48") (CLASS III)	\$	\$
72	1,255	LF	REINFORCED CONCRETE PIPE (54") (CLASS III)	\$	\$
73	769	LF	REINFORCED CONCRETE PIPE (60") (CLASS III)	\$	\$
74	209	LF	REINFORCED CONCRETE PIPE (72") (CLASS III)	\$	\$
75	182	LF	REINFORCED CONCRETE PIPE (36") (CLASS IV)	\$	\$
76	279	LF	REINFORCED CONCRETE PIPE (42") (CLASS IV)	\$	\$
77	54	LF	REINFORCED CONCRETE PIPE (54") (CLASS IV)	\$	\$
78	616	LF	REINFORCED CONCRETE PIPE (72") (CLASS IV)	\$	\$
79	35	LF	REINFORCED CONCRETE BOX CULVERT (6' x 6')	\$	\$
80	2,106	LF	REINFORCED CONCRETE BOX CULVERT (7' x 6')	\$	\$
81	166	LF	REINFORCED CONCRETE BOX CULVERT (12' x 8')	\$	\$
82	100	LF	PVC DRAINAGE PIPE (8")	\$	\$

ITEM NO	BID QTY	UNITS	ITEM DESCRIPTION	UNIT PRICE	AMOUNT
83	1	EA	STANDARD CURB INLET (5')	\$	\$
84	2	EA	STANDARD CURB INLET (10')	\$	\$
85	1	EA	RECESSED CURB INLET (10') (COMPLETE)	\$	\$
86	23	EA	RECESSED CURB INLET (20') (COMPLETE)	\$	\$
87	2	EA	DOUBLE SPECIAL TYPE "Y" INLET	\$	\$
88	1	EA	TYPE "B" STORM DRAIN MANHOLE (4' x 4')	\$	\$
89	1	EA	TYPE "B" STORM DRAIN MANHOLE (5' x 4')	\$	\$
90	6	EA	TYPE "B" STORM DRIAN MANHOLE (6' x 4')	\$	\$
91	1	EA	TYPE "B" STORM DRAIN MANHOLE (7' x 4')	\$	\$
92	1	EA	TYPE "B" STORM DRAIN JUNCTION BOX (8' x 4')	\$	\$
93	1	EA	TYPE "B" STORM DRAIN JUNCTION BOX (8' x 5')	\$	\$
94	1	EA	TYPE "B" STORM DRAIN JUNCTION BOX (8' x 6')	\$	\$
95	1	EA	TYPE "B" STORM DRAIN JUNCTION BOX (8' x 8')	\$	\$
96	1	EA	TYPE "B" STORM DRAIN JUNCTION BOX (15' x 10')		
97	1	EA	CONCRETE HEADWALL (TxDOT PW) (3:1) (6' x 6' RCBC)	\$	\$
98	1	EA	CONCRETE WINGWALL (TxDOT FW) (3:1) (7' x 6' RCBC)	\$	\$
99	2	EA	CONCRETE WINGWALL (TxDOT SW) (4:1) (12' x 8' RCBC)	\$	\$
100	2	EA	TYPE "B" HEADWALL (36")	\$	\$
101	1	EA	SLOPING HEADWALL (SET) (TY II) (42") (4:1)	\$	\$
102	300	SY	CONCRETE RIPRAP (5" THICK)	\$	\$
103	10	SY	CONCRETE FLUME (6" THICK)	\$	\$
104	700	SY	GROUTED ROCK RIPRAP (TY R)	\$	\$
105	100	SY	ROCK RIPRAP (DRY) (TY R) (18")	\$	\$
106	100	CY	GABION BASKETS (3' x 3')	\$	\$
107	500	SY	FLEX-A-MAT	\$	\$
108	100	CY	FLOWABLE BACKFILL	\$	\$
109	7,290	LF	TRENCH EXCAVATION PROTECTION (PLAN AND IMPLEMENT) (DRAINAGE)	\$	\$
110	900	LF	DRILLED SHAFT FOUNDATION (36" DIA) (BRIDGE)	\$	\$
111	252	CY	CLASS C CONCRETE (BRIDGE)	\$	\$
112	27,600	SF	REINFORCED CONCRETE SLAB	\$	\$
113	3,582	LF	PRESTRESSED CONCRETE BEAMS (Tx46)	\$	\$
114	2,961	SY	CONCRETE SURFACE TREATMENT	\$	\$
115	103	CY	RIPRAP (CL B CONC.) (BRIDGE)	\$	\$

ITEM NO	BID QTY	UNITS	ITEM DESCRIPTION	UNIT PRICE	AMOUNT
116	210	LB	SIDEWALK COVER PLATE (BS-EJCP)	\$	\$
117	2,610	LF	RAILING (TYPE C411-MOD)	\$	\$
118	1,306	LF	PEDESTRIAN RAIL (BRIDGE) INCLUDING SEVEN STONE COLUMNS	\$	\$
119	116	LF	SEJ-M (4")	\$	\$
120	100	CY	STRUCTURE APPROACH SLAB	\$	\$
121	4	EA	METAL BEAM GUARD FENCE TRANSITION SECTION	\$	\$
122	100	LF	METAL BEAM GUARD FENCE	\$	\$
123	4	EA	METAL BEAM GUARD FENCE SGT-7	\$	\$
124	4,000	LF	TEMPORARY 5-STRAND WIRE FENCE W/METAL POSTS	\$	\$
125	2,000	LF	5-STRAND BARBED WIRE FENCE W/METAL POSTS	\$	\$
126	4,000	LF	GALVANIZED WOVEN WIRE FENCE W/ TWO STRANDS BARBED WIRE AND WOOD POSTS (TY "B") (WF (1)-10)	\$	\$
127	200	LF	CHAIN LINK FENCE (5') (BLACK PVC COATED)	\$	\$
128	2	EA	METAL GATE (TY 1) (WF (1)-10)	\$	\$
129	4	EA	METAL GATE (TY 2) (6" MESH) (WF (1)- 10)	\$	\$
130	1	ALW	FENCE REPAIR/ INSTALLATION ALLOWANCE	\$100,000.00	\$100,000.00
131	1	ALW	IRRIGATION AND LANDSCAPING REPAIR/ INSTALLATION ALLOWANCE	\$100,000.00	\$100,000.00
132	8,500	LF	CONDUIT (PVC) (SCH 40) (2")	\$	\$
133	100	LF	CONDUIT (PVC) (SCH 40) (2") (BORE)	\$	\$
134	1,050	LF	CONDUIT (PVC) (SCH 40) (4")	\$	\$
135	625	LF	CONDUIT (PVC) (SCH 40) (4") (BORE)	\$	\$
136	7	EA	GROUND BOX (TY C) (W/APRON)	\$	\$
137	16	EA	ONCOR GROUND BOX	\$	\$
138	8	EA	IRRIGATION GROUND BOX	\$	\$
139	2	EA	ELECTRICAL SERVICE (TY D) (120/240) (070(NS)SS(E)PS(U))	\$	\$
140	58	EA	ROADWAY LIGHTING ASSEMBLY (LED RECTANGULAR) FOUNDATION	\$	\$
141	80	EA	SMALL ROAD SIGN ASSEMBLY & SUPPORT	\$	\$
142	10,000	SY	TEMPORARY DETOUR PAVEMENT (4" FLEX BASE/4" ASPHALT AS SPECIFIED), COMPLETE	\$	\$
143	2,000	EA	WORK ZONE PAVEMENT MARKINGS (4" TWO-WAY REFLECTIVE WHITE BUTTONS)	\$	\$
144	4,000	EA	WORK ZONE PAVEMENT MARKINGS (4" TWO-WAY REFLECTIVE YELLOW BUTTONS)	\$	\$
145	270	LF	WORK ZONE PAVEMENT MARKINGS (4" REFLECTIVE WHITE) (DOT)	\$	\$

ITEM NO	BID QTY	UNITS	ITEM DESCRIPTION	UNIT PRICE	AMOUNT
146	110	LF	WORK ZONE PAVEMENT MARKINGS (4" REFLECTIVE YELLOW) (DOT)	\$	\$
147	320	LF	WORK ZONE PAVEMENT MARKINGS (6" OR 8" REFLECTIVE WHITE) (SOLID)	\$	\$
148	25	LF	WORK ZONE PAVEMENT MARKINGS (12" REFLECTIVE WHITE) (SOLID)	\$	\$
149	360	LF	WORK ZONE PAVEMENT MARKINGS (FIRE LANE) (SOLID)	\$	\$
150	1	EA	WORK ZONE PAVEMENT MARKINGS (ARROW)	\$	\$
151	1	EA	WORK ZONE PAVEMENT MARKINGS (WORD)	\$	\$
152	2,168	LF	REFLECTORIZED PAVEMENT MARKINGS (TY I & II) (4" WIDE) (WHITE) (SOLID)	\$	\$
153	1,113	LF	REFLECTORIZED PAVEMENT MARKINGS (TY I & II) (6" WIDE) (WHITE) (SOLID)	\$	\$
154	1,556	LF	REFLECTORIZED PAVEMENT MARKINGS (TY I & II) (8" WIDE) (WHITE) (SOLID)	\$	\$
155	414	LF	REFLECTORIZED PAVEMENT MARKINGS (TY I & II) (12" WIDE) (WHITE) (SOLID)	\$	\$
156	175	LF	REFLECTORIZED PAVEMENT MARKINGS (TY I & II) (18" WIDE) (WHITE) (BROKEN)	\$	\$
157	197	LF	REFLECTORIZED PAVEMENT MARKINGS (TY I & II) 24" WIDE) (WHITE) (SOLID)	\$	\$
158	12	EA	REFLECTORIZED PAVEMENT MARKINGS (TY I & II) (WHITE) (ARROW)	\$	\$
159	6	EA	REFLECTORIZED PAVEMENT MARKINGS (TY I & II) (WHITE) (WORD)	\$	\$
160	20	EA	REFLECTORIZED PAVEMENT MARKINGS (TY I & II) (WHITE) (YIELD)	\$	\$
161	2,680	EA	RAISED PAVEMENT MARKER (TY II-C-R)	\$	\$
162	24	EA	RAISED PAVEMENT MARKER (TY Y)	\$	\$
163	66	EA	RAISED PAVEMENT MARKER (TY II-A-A)	\$	\$
164	10	EA	RAISED PAVEMENT MARKER (TY II-B-B)	\$	\$
165	42	EA	RAISED PAVEMENT MARKER (TY II-C-C)	\$	\$
166	1	LS	SWPPP PREPARATION AND IMPLEMENTATION	\$	\$
167	11,000	LF	INSTALL TEMPORARY SEDIMENT CONTROL FENCE W/PLASTIC CAPS	\$	\$

ITEM NO	BID QTY	UNITS	ITEM DESCRIPTION	UNIT PRICE	AMOUNT
168	11,000	LF	REMOVE TEMPORARY SEDIMENT CONTROL FENCE	\$	\$
169	550	LF	INSTALL TEMPORARY SEDIMENT CONTROL INLET PROTECTION	\$	\$
170	550	LF	REMOVE TEMPORARY SEDIMENT CONTROL INLET PROTECTION	\$	\$
171	250	SY	INSTALL CONSTRUCTION EXITS (ROCK) (TY I)	\$	\$
172	250	SY	REMOVE CONSTRUCTION EXITS	\$	\$
173	250	LF	INSTALL ROCK FILTER DAMS (TY II)	\$	\$
174	250	LF	REMOVE ROCK FILTER DAMS	\$	\$
175	2,000	SF	SPECIAL SHORING	\$	\$
176	50,000	SY	BERMUDA SOD (COMMON)	\$	\$
177	200,000	SF	BERMUDA HYDROMULCH (COMMON)	\$	\$
W.1	230	LF	INSTALL 6" C900 (DR 18) PVC WATER LINE	\$	\$
W.2	622	LF	INSTALL 8" C900 (DR 18) PVC WATER LINE	\$	\$
W.3	2,141	LF	INSTALL 12" C900 (DR 18) PVC WATER LINE	\$	\$
W.4	149	LF	INSTALL 16" C900 (DR 18) PVC WATER LINE	\$	\$
W.5	1,214	LF	INSTALL 18" C151 (CLASS 52) DUCTILE IRON WATER PIPE	\$	\$
W.6	6	TON	EXTRA DUCTILE IRON FITTINGS NOT SHOWN ON PLANS	\$	\$
W.7	10	EA	FIRE HYDRANT ASSEMBLY	\$	\$
W.8	8	EA	REMOVE AND SALVAGE EXISTING FIRE HYDRANT	\$	\$
W.9	10	EA	6" GATE VALVE	\$	\$
W.10	6	EA	8" GATE VALVE	\$	\$
W.11	8	EA	12" GATE VALVE	\$	\$
W.12	1	EA	16" GATE VALVE	\$	\$
W.13	3	EA	18" GATE VALVE	\$	\$
W.14	8	EA	CONNECT TO EX. 12" W.L.	\$	\$
W.15	1	EA	CONNECT TO EX. 16" W.L.	\$	\$
W.16	1	EA	CONNECT TO EX. 20" W.L.	\$	\$
W.17	8	EA	CUT & PLUG EX. 12" W.L.	\$	\$
W.18	1	EA	CUT & PLUG EX. 16" W.L.	\$	\$
W.19	1	EA	CUT & PLUG EX. 18" W.L.	\$	\$
W.20	1	EA	REMOVE AIR RELEASE VALVE	\$	\$
W.21	1	EA	AIR RELEASE VALVE ASSEMBLY	\$	\$
W.22	1	EA	WATER SERVICE (SHORT)	\$	\$
W.23	6	EA	WATER SERVICE (LONG)	\$	\$
W.24	60	LF	STEEL PIPE ENCASEMENT (20" DIA)	\$	\$
S.1	55	LF	INSTALL 2" SDR 26 SANITARY SEWER	\$	\$
S.2	313	LF	INSTALL 8" SDR 26 SANITARY SEWER	\$	\$
S.3	2	EA	REMOVE EX. MANHOLE		
S.4	1	EA	SANITARY SEWER MANHOLE (5' DIA)	\$	\$
S.5	1	EA	SANITARY SEWER DROP MANHOLE (5' DIA)	\$	\$

ITEM NO	BID QTY	UNITS	ITEM DESCRIPTION	UNIT PRICE	AMOUNT
S.6	1	EA	CONNECT SANITARY SEWER LINE TO EX. MANHOLE (REPAIR & SEAL CONNECTIONS)	\$	\$
S.7	6	EA	CONNECT SANITARY SEWER LINE TO PROP. MANHOLE (REPAIR & SEAL CONNECTIONS)	\$	\$
S.8	1	EA	CUT & PLUG EX. 6" S.S.	\$	\$
S.9	313	LF	GROUT ABANDONMENT OF EX. 6" S.S.	\$	\$
S.10	313	LF	TV INSPECTION OF NEW SANITARY SEWER LINE	\$	\$
S.11	1	LS	ODOR ELIMINATOR (HIGH FLOW VENTSORB) WITH CONCRETE FOUNDATION AND 6' BOARD ON BOARD WOOD FENCE W/GATE	\$	\$
S.12	4,724	LF	TRENCH EXCAVATION PROTECTION (PLAN AND IMPLEMENT) (UTILITIES)	\$	\$

TOTAL BASE BID (Items 1 to S.12) \$ _____

1. Materials incorporated into the Project: \$ _____

2. All other charges: \$ _____

NOTE: Materials and all other charges incorporated into the **FAITHON P. LUCAS BOULEVARD PAVING AND DRAINAGE RECONSTRUCTION (MCKENZIE ROAD TO E. CARTWRIGHT ROAD) CONTRACT NO. 2023-029** must equal base bid amount.