



## THE COUNTY OF GALVESTON

RUFUS G. CROWDER, CPPO, CPPB  
PURCHASING AGENT

COUNTY COURTHOUSE  
722 Moody (21<sup>st</sup> Street)  
Fifth (5<sup>th</sup>) Floor  
GALVESTON, TEXAS 77550

October 12, 2023

**PROJECT NAME:** Algoa/Alta Loma Culvert Replacement  
**SOLICITATION NO:** ITB #B231027  
**Re:** ADDENDUM #2

To All Prospective Bidders:

The following information is being provided to aid in the preparation of your ITB submittal(s):

**Question #1:** *Several of the data tables on the plan and profile sheets call for rip rap between the wingwalls. The rip rap is described in note 5 of the detail sheets to be 5" thick concrete and to be paid under item 432 "Riprap". There is no bid item that accounts for this txdot item 432 rip rap. Will one be added?*

**Response:** Concrete riprap is added to the Bid Form and added to the Index of Specifications.

**Question #2:** *How will the concrete curb on the box culverts be paid for? Will a bid item be added or will it be incidental to another bid item?*

**Response:** Curb is considered as part of the box culvert for payment as per detail sheet 73.

**Question #3:** *Several of the plan and profiles for areas of the project where no wingwalls are to be installed have what appears to be 24" deep toes at the end of the box culverts. For example, sheets 15 and 16 show the toe in both profile views, but there is not callout. Were these intended to be drawn in the plans? If so, what are they and can a bid item be added to account for that work?*

**Response:** Profile sheets are updated to not reflect a toe at box culvert ends. Sheet 16 shows the bottom thickness of the box culvert.

**Question #4:** *We need more information on bid item 52. What needs to be included in each of the 10 pipe runner assemblies, and where is each one located? It's hard to determine whether there are several assemblies at one location and each one would be paid for separately, or if there are several assemblies in one location and they will all be paid combined as 1 EA.*

**Response:** Plans are updated to identify SET-B-PDs and SET-B-CDs and identified as each per barrel in the updated Bid Form.

**Question #5:** *Item 71 for 4" topsoil and item 72 for sod seem like they would go hand in hand, however item 71 has 1000 SY and item 72 only has 560 SY. Are there areas of the project that will receive topsoil but no sod? Will those areas need to be seeded, and if so, is that incidental to the topsoil item?*


**Response:** Block sodding, per TxDOT Specification 162 shall be placed along roadway, as indicated by the typical section. Topsoil, per HCFCD 2911, includes seeding and shall be used to cover riprap on ditch side slopes as noted on updated detail sheet 59. Bid Form and Index of Specifications updated.

If you have any further questions regarding this bid, please address them to the representative listed below, via e-mail at [purchasing.bids@co.galveston.tx.us](mailto:purchasing.bids@co.galveston.tx.us), or contact the Purchasing Department at (409) 770-5371.

Rufus G. Crowder, CPPO CPPB  
Galveston County Purchasing Agent  
722 Moody, Fifth (5<sup>th</sup>) Floor  
Galveston, Texas 77550  
E-mail: [purchasing.bids@co.galveston.tx.us](mailto:purchasing.bids@co.galveston.tx.us)

Please excuse us for any inconvenience that this may have caused.

Sincerely,



Rufus G. Crowder, CPPO CPPB  
Purchasing Agent  
Galveston County

## Algoa/Alta Loma Culvert Replacement – Bid Addendum 2

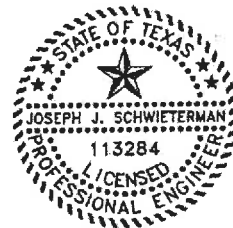
### Index of Technical Specifications

#### TxDOT Standard Specifications

104	Removing Concrete
105	Removing Base and Asphalt Pavement
110	Excavation
132	Embankment
134	Backfilling Pavement Edges
160	Sod
216	Proof Rolling
247	Flexible Base
310	Prime Coat
340	Dense-Graded Hot Mix Asphalt
400	Excavation and Backfill
402	Trench Excavation Protection
432	Concrete Riprap
420	Concrete Substructures
462	Concrete Box Culverts and Drains
464	Reinforced Concrete Pipe
465	Junction Boxes, Manholes, and Inlets
466	Headwalls and Wingwalls
467	Safety End Treatment
496	Removing Structures
500	Mobilization
502	Barricades, Signs, and Traffic Handling
530	Driveways
540	Metal Beam Guard Fence
542	Removing Metal Beam Guard Fence
544	Guardrail End Treatments
550	Chain Link Fence
552	Wire Fence
644	Small Roadside Sign Assemblies
658	Delineator and Object Marker Assemblies
672	Raised Pavement Markers
678	Pavement Surface Preparation for Markings
760	Cleaning and Reshaping Ditches

#### HCFCD Standard Specifications

2241	Care and Control of Water
2314	Fill Material
2364	Filter Dams
2378	Riprap (Stone Protection)
2911	Topsoil
2923	Seeding



10/12/23  
*Joseph Schwieterman*

Galveston County  
Algoa/Alta Loma Culvert Replacements  
Bid Form

Bid Addendum 2  
10/12/2023

Item No.	Spec No.	Item Description	Unit Measure	Unit Price	Unit Qty	Total Price
<b>A. SITE PREPARATION AND EXCAVATION ITEMS</b>						
1	500	Mobilization	LS		1	\$ -
2	104	Removing Concrete (Slope Paving)	SY		42.8	\$ -
3	104	Removing Concrete (Riprap)	SY		66.7	\$ -
4	105	Remove and Dispose Existing Asphaltic Surface and Base Material, incl. Full Depth Saw Cut (All Depths)	SY		2114	\$ -
5	105	Remove and Dispose of Existing Gravel Driveway (All Depths)	SY		382	\$ -
6	496	Remove and Dispose of Existing Concrete, Plastic or Metal Pipe (All Sizes)	LF		1487	\$ -
7	496	Remove & Dispose Structures (Inlets, Headwalls, Wingwalls, Retaining Walls, SET)	EA		7	\$ -
8	644	Remove and Dispose/Salvage Signs, Metal Posts, Bollards	EA		47	\$ -
9	542	Removing Metal Beam Guard Fence with terminal anchor section	LF		442	\$ -
10	552	Removing Metal and Wire Fencing and Gates with posts	LF		94	\$ -
11	110	Excavation (Roadway)	CY		150	\$ -
12	132	Embankment (Roadway)	CY		150	\$ -
13	402	Trench Excavation Protection (up to 10')	LF		899	\$ -
14	502	Traffic Control - Barricades, Barriers, Barrels, Cones, and Signing	MO		8	\$ -
15	HCFCD 02364	Rock Filter Dam (Type 1. 60% of unit cost for furnish and install; 40% of unit cost for removal)	LF		104	\$ -
16	HCFCD 02364	Rock Filter Dam (Type 3. 60% of unit cost for furnish and install; 40% of unit cost for removal)	LF		193	\$ -
<b>SUBTOTAL SITE PREPARATION AND EXCAVATION ITEMS</b>						\$ -

<b>B. PAVEMENT AND STORM SEWER ITEMS</b>						
17	216	Proof Rolling	HR		40	\$ -
18	247	HMAC Base Course (Gr 2) (6" thick)	TON		702	\$ -
19	310	Prime Coat	GAL		251	\$ -
20	340	Hot Mix - Type B (Gr 1-2) Hot Laid Asphaltic Concrete Binder Course (4" thick)	TON		592	\$ -
21	340	Hot Mix - Type D (Gr 1-2) Hot Laid Asphaltic Concrete Surfacing, furnish and placed (2" thick)	TON		320	\$ -
22	530	Gravel Driveway (8" thick)	SY		41	\$ -
23	420	Concrete Collar	EA		1	\$ -
24	464	Storm Sewer (24")	LF		353	\$ -
25	464	Storm Sewer (36")	LF		119	\$ -
26	465	Manhole	EA		1	\$ -
27	465	Type E Inlet (PSL FG 5x5)	EA		6	\$ -
28	467	SET (TY II) (18IN) (RCP) (3:1) P	EA		2	\$ -
29	467	SET (TY II) (24IN) (RCP) (3:1) P	EA		7	\$ -
30	467	SET (TY II) (24IN) (RCP) (2:1) C	EA		1	\$ -
31	467	SET (TY II) (36IN) (RCP) (3:1) P	EA		2	\$ -
32	467	SET (TY II) (48IN) (RCP) (3:1) P	EA		2	\$ -
<b>SUBTOTAL PAVEMENT AND STORM SEWER ITEMS</b>						\$ -

Galveston County  
Algoa/Alta Loma Culvert Replacements  
Bid Form

Bid Addendum 2  
10/12/2023

Item No.	Spec No.	Item Description	Unit Measure	Unit Price	Unit Qty	Total Price
<b>C. CULVERT AND CHANNEL ITEMS</b>						
33	462	Concrete Box Culvert (4' x 2')	LF		100	\$ -
34	462	Concrete Box Culvert (3' x 3')	LF		148	\$ -
35	462	Concrete Box Culvert (4' x 3')	LF		164	\$ -
36	462	Concrete Box Culvert (5' x 3')	LF		244	\$ -
37	462	Concrete Box Culvert (8' x 4')	LF		54	\$ -
38	462	Concrete Box Culvert (8' x 6')	LF		138	\$ -
39	462	Concrete Box Culvert (8' x 8')	LF		108	\$ -
40	462	Concrete Box Culvert (9' x 5')	LF		86	\$ -
41	466	Wingwall (PW - 0) (HW=6FT)	EA		1	\$ -
42	466	Wingwall (PW - 1) (HW=5FT)	EA		1	\$ -
43	466	Wingwall (PW - 1) (HW=6FT)	EA		1	\$ -
44	466	Wingwall (PW - 1) (HW=7FT)	EA		1	\$ -
45	466	Wingwall (PW - 1) (HW=8FT)	EA		1	\$ -
46	466	Wingwall (PW - 2) (HW=5FT)	EA		1	\$ -
47	466	Wingwall (PW - 2) (HW=10FT)	EA		2	\$ -
48	466	Wingwall (SW - 0) (HW=4FT)	EA		2	\$ -
49	466	Wingwall (SW - 0) (HW=6FT)	EA		2	\$ -
50	432	Concrete Riprap	CY		6	\$ -
51	466	SET-B-CD (HW=5FT)	EA		3	\$ -
52	466	SET-B-CD (HW=6FT)	EA		2	\$ -
53	467	SET-B-CD (HW=7FT)	EA		3	\$ -
54	467	SET-B-PD (HW=4FT)	EA		1	\$ -
55	760	Ditch Reshaping	LF		911	\$ -
56	HCFCD 2314	Fill Material to Bury Culverts	CY		42.5	\$ -
57	HCFCD 2378	Riprap (Stone Protection) (24 In)	CY		392	\$ -
<b>SUBTOTAL CULVERT AND CHANNEL ITEMS</b>						<b>\$ -</b>

<b>D. SIGNING AND STRIPING ITEMS</b>						
58	540	Metal Beam Guard Fence (Timber Post)	LF		380	\$ -
59	540	Metal Beam Guard Fence (Steel Post)	LF		190	\$ -
60	544	Short Radius	LF		89	\$ -
61	544	Driveway Terminal Anchor Section	EA		4	\$ -
62	544	Downstream Anchor Terminal Section	EA		1	\$ -
63	544	Guardrail End Treatment (Install)	EA		11	\$ -
64	544	Guardrail End Treatment (Move and Reset)	EA		6	\$ -
65	644	Relocate Aluminum Signs Type A (STOP)	EA		4	\$ -
66	644	Proposed Aluminum Street Signs Type A (STOP)	EA		4	\$ -
67	658	D-DW Reflective Posts	EA		46	\$ -
68	658	Relocatee Delineator and Object Marker Assemblies	EA		12	\$ -
69	658	Permanent Type III Barricade	EA		1	\$ -
70	672	Raised Pavement Marker TY I-C	EA		90	\$ -
71	678	Pavement Surface Preparation for Markings (4")	LF		900	\$ -
<b>SUBTOTAL SIGNING AND STRIPING ITEMS</b>						<b>\$ -</b>

<b>E. SITE RESTORATION ITEMS</b>						
72	134	Backfilling Pavement Edges	STA		13.2	\$ -
73	162	Block Sodding	SY		1000	\$ -
74	HCFCD 2911	Topsoil	SY		560	\$ -
75	550	Gate (Install) (Double) 6' x 14'	EA		2	\$ -
76	552	Wire Fence	LF		80	\$ -
<b>SUBTOTAL SITE RESTORATION ITEMS</b>						<b>\$ -</b>

**TOTAL COST (ITEMS A - E)**

**\$ -**