

Water & Wastewater Utility Annexation Package 3-Sjolander (#8311956)  
 Owner: Baytown TX, City of  
 Solicitor: Baytown TX, City of  
 11/01/2022 03:30 PM CDT

						<b>Carter Construction, LLC</b>	
Section	Title	Line Item	Item Description	UofM	QTY	Unit Price	Extension
<b>SECTION 1 - GENERAL</b>							<b>\$300,000.00</b>
			Mobilization: Furnish all labor, materials, equipment and incidentals required for the Contractor to mobilize and demobilize. Shall include all costs for				
		1	Contractor's insurances and bonds, project sig	LS	1	\$300,000.00	\$300,000.00
<b>SECTION 2 - BARKULOO ROAD - GENERAL</b>							<b>\$620,900.00</b>
			Traffic Control: Furnish all labor, materials, equipment and incidentals required for the temporary traffic control devices including temporary traffic buttons and				
		2	striping, barrels, message boards, a	LS	1	\$50,000.00	\$50,000.00
			Flagmen: This item shall be invoiced based on the submitted Schedule of Values for				
		3	Flaggers:	LS	1	\$35,000.00	\$35,000.00
			6" Fire Hydrant Assembly: Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational fire hydrant assemblies includes all				
		4	valves, fittings, bedding	EA	10	\$7,700.00	\$77,000.00
			3/4" Water Tap (Residential, Short Side): Furnish all labor, materials, equipment and incidentals required to provide a short side water tap including locating water main, tap installation and				
		5	connect	EA	12	\$1,500.00	\$18,000.00
			3/4" Water Tap (Residential, Long Side): Furnish all labor, materials, equipment and incidentals required to provide a long side water tap including locating water main, tap installation and				
		6	connectio	EA	2	\$2,800.00	\$5,600.00
			1" Water Tap (Commercial, Short Side): Furnish all labor, materials, equipment and incidentals required to provide a short side water tap including locating water main, tap installation and				
		7	connection	EA	2	\$1,600.00	\$3,200.00
			4" Near-side Service Lead (Residential): Furnish all labor, materials, equipment and incidentals required to install 4-				
		8	inch near-side service leads as shown on the drawings for a unit price of:	EA	2	\$3,200.00	\$6,400.00
			4" Far-side Service Lead (Residential): Furnish all labor, materials, equipment and incidentals required to install 4-				
		9	inch near-side service leads as shown on the drawings for a unit price of:	EA	12	\$3,500.00	\$42,000.00
			6" Far-side Service Lead (Commercial): Furnish all labor, materials, equipment and incidentals required to install 4-				
		10	inch near-side service leads as shown on the drawings for a unit price of:	EA	2	\$5,400.00	\$10,800.00
			12" Gate Valve and ARV Valve and Manhole: Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational gate and air and vacuum release valves				
		11	includes	EA	6	\$20,000.00	\$120,000.00
			12" Gate Valve and Valve Box: Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational gate valves includes all valves, fittings,				
		12	manholes, valve	EA	1	\$5,400.00	\$5,400.00

13	5-foot Manhole: Furnish all labor, materials, equipment and incidentals required to install corrosion resistant, 5-foot manholes as shown on the drawings. This includes excavation and backfill, riser,	EA	1	\$9,500.00	\$9,500.00
14	4-foot Manhole With Ergonomic Lid: Furnish all labor, materials, equipment and incidentals required to install corrosion resistant, 4-foot manholes as shown on the drawings. This includes excavation a	EA	3	\$11,000.00	\$33,000.00
15	5-foot Manhole With Ergonomic Lid: Furnish all labor, materials, equipment and incidentals required to install corrosion resistant, 5-foot manholes as shown on the drawings. This includes excavation a	EA	9	\$13,000.00	\$117,000.00
16	Manhole (extra depth): Furnish all labor, materials, equipment and incidentals required to install additional corrosion resistant manhole depth for each foot of depth greater than 8-feet as shown on t	VF	110	\$800.00	\$88,000.00
<b>SECTION 2 - BARKULOO ROAD - SANITARY SEWER - OPEN CUT</b>					<b>\$1,155,980.00</b>
17	Trench Safety Systems: Furnish all labor, materials, equipment and incidentals as required to provide trench safety for the installation of the open-cut gravity sanitary sewer and water mains as shown	LF	2700	\$10.00	\$27,000.00
18	Reinforced Filter Fabric Barrier: Furnish all labor, materials, equipment and incidentals required to provide reinforced filter fabric barrier including all labor, equipment, materials, supervision, a	LF	3000	\$2.00	\$6,000.00
19	Inlet Protection Barrier: Furnish all labor, materials, equipment and incidentals required to provide and maintain inlet protection barriers for the duration of the project and installation of the gra	EA	4	\$65.00	\$260.00
20	Rock Filter Dam (Type II): Furnish all labor, materials, equipment and incidentals required to provide and maintain rock filter dams for the duration of the project and installation of the gravity san	LF	40	\$58.00	\$2,320.00
21	Groundwater Control: Furnish all labor, materials, equipment and incidentals required to provide groundwater control for the duration of the project and installation of the gravity sanitary sewers and	LF	2700	\$30.00	\$81,000.00
22	Driveway Concrete: Furnish all labor, materials, equipment and incidentals required for the installation of concrete driveways in areas disturbed by construction including removal of existing drivewa	SY	400	\$130.00	\$52,000.00
23	Hydromulch and Seeding: Furnish all labor, materials, equipment and incidentals required for the hydromulch seeding to restore the existing site and areas disturbed by construction for a unit price of	AC	1.5	\$4,500.00	\$6,750.00
24	Tree and Plant Protection: Furnish all labor, materials, equipment and incidentals required for the protection pf trees and plants during construction including removal of trees indicated on the drawi	LS	1	\$20,000.00	\$20,000.00
25	12" Gravity Sewer (Depth 0'-8'): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and tested 12-inch gravity sanitary sewer at a depth of 8-feet or less i	LF	250	\$152.00	\$38,000.00
26	12" Gravity Sewer (Depth 8'-12'): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and tested 12-inch gravity sanitary sewer at a depths between 8-feet an	LF	560	\$180.00	\$100,800.00
27	12" Gravity Sewer (Depth 12'-16'): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and tested 12-inch gravity sanitary sewer at a depths between 12-feet	LF	250	\$195.00	\$48,750.00

28	12" Gravity Sewer (Depth 16'-20'): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and tested 12-inch gravity sanitary sewer at a depths between 16-feet	LF	400	\$228.00	\$91,200.00
29	12" Gravity Sewer (Depth 20'-24'): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and tested 12-inch gravity sanitary sewer at a depths between 20-feet	LF	460	\$252.00	\$115,920.00
30	12" Gravity Sewer (Depth 24'-28'): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and tested 12-inch gravity sanitary sewer at a depths between 24-feet	LF	60	\$265.00	\$15,900.00
31	12" Gravity Sewer (trenchless): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 12-inch gravity sewer including pipe, excavation, beddin	LF	1160	\$230.00	\$266,800.00
32	12" Gravity Sewer Encased in 24" Steel Casing (Trenchless): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 12-inch gravity sewer includ	LF	360	\$650.00	\$234,000.00
33	18" Storm Sewer: Furnish all labor, materials, equipment and incidentals required to remove and replace existing 18-inch, or smaller, storm sewer with 18-inch storm sewer culvert as shown in the plans	LF	320	\$142.00	\$45,440.00
34	24" Storm Sewer: Furnish all labor, materials, equipment and incidentals required to remove and replace existing 24-inch storm sewer with 24-inch storm sewer culverts as shown in the plans, including,	LF	24	\$160.00	\$3,840.00
<b>SECTION 2 - BARKULOO ROAD - WATER MAIN - OPEN CUT</b>					<b>\$1,180,188.00</b>
35	Trench Safety Systems: Furnish all labor, materials, equipment and incidentals as required to provide trench safety for the installation of the open-cut gravity sanitary sewer and water mains as shown	LF	2700	\$5.00	\$13,500.00
36	Reinforced Filter Fabric Barrier: Furnish all labor, materials, equipment and incidentals required to provide reinforced filter fabric barrier including all labor, equipment, materials, supervision, a	LF	3000	\$2.00	\$6,000.00
37	Inlet Protection Barrier: Furnish all labor, materials, equipment and incidentals required to provide and maintain inlet protection barriers for the duration of the project and installation of the gra	EA	4	\$65.00	\$260.00
38	Rock Filter Dam (Type II): Furnish all labor, materials, equipment and incidentals required to provide and maintain rock filter dams for the duration of the project and installation of the gravity san	LF	40	\$58.00	\$2,320.00
39	Groundwater Control: Furnish all labor, materials, equipment and incidentals required to provide groundwater control for the duration of the project and installation of the gravity sanitary sewers and	LF	2700	\$15.00	\$40,500.00
40	Driveway Concrete: Furnish all labor, materials, equipment and incidentals required for the installation of concrete driveways in areas disturbed by construction including removal of existing drivewa	SY	400	\$130.00	\$52,000.00
41	Hydromulch and Seeding: Furnish all labor, materials, equipment and incidentals required for the hydromulch seeding to restore the existing site and areas disturbed by construction for a unit price of	AC	1.5	\$4,500.00	\$6,750.00
42	Tree and Plant Protection: Furnish all labor, materials, equipment and incidentals required for the protection pf trees and plants during construction including removal of trees indicated on the drawi	LS	1	\$20,000.00	\$20,000.00

12" Water Main (Open Cut): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 12-inch water main including water					
43 pipe, excavation, bedding,	LF	3380	\$168.00	\$567,840.00	
12" Water Main (Trenchless): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 12-inch water main including water					
44 pipe, excavation, bedding	LF	120	\$420.00	\$50,400.00	
12" Water Main Encased in 24" Steel Casing (Trenchless): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 24-inch casing for the 12" water					
45	LF	570	\$713.00	\$406,410.00	
18" Storm Sewer: Furnish all labor, materials, equipment and incidentals required to remove and replace existing 18-inch, or smaller, storm sewer with 18-inch storm					
46 sewer culvert as shown in the plans	LF	64	\$142.00	\$9,088.00	
24" Storm Sewer: Furnish all labor, materials, equipment and incidentals required to remove and replace existing 24-inch storm sewer with 24-inch storm sewer					
47 culverts as shown in the plans, including,	LF	32	\$160.00	\$5,120.00	
<b>SECTION 3 - SJOLANDER ROAD - GENERAL</b>					<b>\$252,300.00</b>
Traffic Control: Furnish all labor, materials, equipment and incidentals required for the temporary traffic control devices including temporary traffic buttons and					
48 striping, barrels, message boards, a	LS	1	\$50,000.00	\$50,000.00	
Flagmen: This item shall be invoiced based on the submitted Schedule of Values for					
49 Flaggers:	LS	1	\$35,000.00	\$35,000.00	
6" Fire Hydrant Assembly: Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational fire hydrant assemblies includes all					
50 valves, fittings, bedding	EA	6	\$7,700.00	\$46,200.00	
12" Gate Valve and ARV Valve and Manhole: Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational gate and air and vacuum release valves					
51 includes	EA	2	\$20,000.00	\$40,000.00	
12" Gate Valve and Valve Box: Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational gate valves includes all valves, fittings,					
52 manholes, valve	EA	4	\$5,400.00	\$21,600.00	
Air and Vacuum Release Valve and Box: Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational air and vacuum release valves includes					
53 all valves,	EA	1	\$16,000.00	\$16,000.00	
5-foot Manhole: Furnish all labor, materials, equipment and incidentals required to install corrosion resistant, 5-foot manholes as shown on the drawings. This					
54 includes excavation and backfill, riser,	EA	1	\$9,500.00	\$9,500.00	
5-foot Manhole With Ergonomic Lid: Furnish all labor, materials, equipment and incidentals required to install corrosion resistant, 5-foot manholes as shown on the drawings. This					
55 includes excavation a	EA	2	\$13,000.00	\$26,000.00	
Manhole (extra depth): Furnish all labor, materials, equipment and incidentals required to install additional corrosion resistant manhole depth for each foot of depth					
56 greater than 8-feet as shown on t	VF	10	\$800.00	\$8,000.00	
<b>SECTION 3 - SJOLANDER ROAD - FORCE MAIN - OPEN CUT</b>					<b>\$1,542,332.00</b>

	Trench Safety Systems:				
	Furnish all labor, materials, equipment and incidentals as required to provide trench safety for the installation of the open-cut gravity sanitary sewer and water mains as shown				
57	LF	6300	\$5.00	\$31,500.00	
	Reinforced Filter Fabric Barrier:				
	Furnish all labor, materials, equipment and incidentals required to provide reinforced filter fabric barrier including all labor, equipment, materials, supervision, a				
58	LF	5900	\$2.00	\$11,800.00	
	Inlet Protection Barrier:				
	Furnish all labor, materials, equipment and incidentals required to provide and maintain inlet protection barriers for the duration of the project and installation of the gra				
59	EA	2	\$65.00	\$130.00	
	Rock Filter Dam (Type II):				
	Furnish all labor, materials, equipment and incidentals required to provide and maintain rock filter dams for the duration of the project and installation of the gravity san				
60	LF	80	\$58.00	\$4,640.00	
	Groundwater Control:				
	Furnish all labor, materials, equipment and incidentals required to provide groundwater control for the duration of the project and installation of the gravity sanitary sewers and				
61	LF	6300	\$15.00	\$94,500.00	
	Driveway Concrete:				
	Furnish all labor, materials, equipment and incidentals required for the installation of concrete driveways in areas disturbed by construction including removal of existing drivewa				
62	SY	900	\$130.00	\$117,000.00	
	Hydromulch and Seeding:				
	Furnish all labor, materials, equipment and incidentals required for the hydromulch seeding to restore the existing site and areas disturbed by construction for a unit price of				
63	AC	2.5	\$4,500.00	\$11,250.00	
	Tree and Plant Protection:				
	Furnish all labor, materials, equipment and incidentals required for the protection pf trees and plants during construction including removal of trees indicated on the drawi				
64	LS	1	\$20,000.00	\$20,000.00	
	6" Force Main (Open Cut):				
	Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 8-inch water main including water pipe, excavation, bedding, b				
65	LF	6300	\$110.00	\$693,000.00	
	6" Force Main Encased in 12" Steel Casing (Trenchless):				
	Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 6" force main including 12" stee				
66	LF	1200	\$275.00	\$330,000.00	
	Combination Sewer Air and Vacuum Release Valve and Manhole:				
	Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational air and vacuum release valves				
67	EA	8	\$15,000.00	\$120,000.00	
	18" Storm Sewer:				
	Furnish all labor, materials, equipment and incidentals required to remove and replace existing 18-inch, or smaller, storm sewer with 18-inch storm sewer culvert as shown in the plans				
68	LF	16	\$142.00	\$2,272.00	
	24" Storm Sewer:				
	Furnish all labor, materials, equipment and incidentals required to remove and replace existing 24-inch storm sewer with 24-inch storm sewer culverts as shown in the plans, including,				
69	LF	664	\$160.00	\$106,240.00	
<b>SECTION 3 - SJOLANDER ROAD - WATER MAIN - OPEN CUT</b>				<b>\$849,085.00</b>	
	Trench Safety Systems:				
	Furnish all labor, materials, equipment and incidentals as required to provide trench safety for the installation of the open-cut gravity sanitary sewer and water mains as shown				
70	LF	2100	\$5.00	\$10,500.00	
	Reinforced Filter Fabric Barrier:				
	Furnish all labor, materials, equipment and incidentals required to provide reinforced filter fabric barrier including all labor, equipment, materials, supervision, a				
71	LF	2000	\$2.00	\$4,000.00	

	Inlet Protection Barrier: Furnish all labor, materials, equipment and incidentals required to provide and maintain inlet protection barriers for the duration of the project and				
72	installation of the gra	EA	1	\$65.00	\$65.00
	Rock Filter Dam (Type II): Furnish all labor, materials, equipment and incidentals required to provide and maintain rock filter dams for the duration of the project and				
73	installation of the gravity san	LF	80	\$58.00	\$4,640.00
	Groundwater Control: Furnish all labor, materials, equipment and incidentals required to provide groundwater control for the duration of the project and installation of the				
74	gravity sanitary sewers and	LF	2100	\$15.00	\$31,500.00
	Driveway Concrete: Furnish all labor, materials, equipment and incidentals required for the installation of concrete driveways in areas disturbed by construction				
75	including removal of existing drivewa	SY	300	\$146.00	\$43,800.00
	Hydromulch and Seeding: Furnish all labor, materials, equipment and incidentals required for the hydromulch seeding to restore the existing site and areas disturbed by				
76	construction for a unit price of	AC	0.9	\$4,500.00	\$4,050.00
	Tree and Plant Protection: Furnish all labor, materials, equipment and incidentals required for the protection pf trees and plants during construction including removal of				
77	trees indicated on the drawi	LS	1	\$20,000.00	\$20,000.00
	12" Water Main (Open Cut): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 12-inch water main including water				
78	pipe, excavation, bedding,	LF	1980	\$194.00	\$384,120.00
	12" Water Main Encased in 24" Steel Casing (Trenchless): Furnish all labor, materials, equipment and incidentals required to provide				
79	complete, in-place and operational 24-inch casing for the 12" wate	LF	430	\$715.00	\$307,450.00
	18" Storm Sewer: Furnish all labor, materials, equipment and incidentals required to remove and replace existing 18-inch, or smaller, storm sewer with 18-inch storm				
80	sewer culvert as shown in the plans	LF	40	\$142.00	\$5,680.00
	24" Storm Sewer: Furnish all labor, materials, equipment and incidentals required to remove and replace existing 24-inch storm sewer with 24-inch storm sewer				
81	culverts as shown in the plans, including,	LF	208	\$160.00	\$33,280.00
<b>SECTION 4 - EAST CEDAR BAYOU LYNCHBURG ROAD - GENERAL</b>					<b>\$683,500.00</b>
	Traffic Control: Furnish all labor, materials, equipment and incidentals required for the temporary traffic control devices including temporary traffic buttons and				
82	striping, barrels, message boards, a	LS	1	\$50,000.00	\$50,000.00
	Flagmen: This item shall be invoiced based on the submitted Schedule of Values for				
83	Flaggers:	LS	1	\$35,000.00	\$35,000.00
	6" Fire Hydrant Assembly: Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational fire hydrant assemblies includes all				
84	valves, fittings, bedding	EA	7	\$7,700.00	\$53,900.00
	3/4" Water Tap (Residential, Short Side): Furnish all labor, materials, equipment and incidentals required to provide a short side water tap including locating water main, tap installation and				
85	connect	EA	13	\$1,500.00	\$19,500.00
	3/4" Water Tap (Residential, Long Side): Furnish all labor, materials, equipment and incidentals required to provide a long side water tap including locating water main, tap installation and				
86	connectio	EA	1	\$2,800.00	\$2,800.00

1" Water Tap (Commercial, Short Side): Furnish all labor, materials, equipment and incidentals required to provide a short side water tap including locating water main, tap installation and connection	EA	1	\$1,600.00	\$1,600.00
4" Near-side Service Lead (Residential): Furnish all labor, materials, equipment and incidentals required to install 4-inch near-side service leads as shown on the drawings for a unit price of:	EA	1	\$3,200.00	\$3,200.00
4" Far-side Service Lead (Residential): Furnish all labor, materials, equipment and incidentals required to install 4-inch near-side service leads as shown on the drawings for a unit price of:	EA	13	\$3,500.00	\$45,500.00
6" Far-side Service Lead (Commercial): Furnish all labor, materials, equipment and incidentals required to install 4-inch near-side service leads as shown on the drawings for a unit price of:	EA	2	\$5,400.00	\$10,800.00
12" Gate Valve and Valve Box: Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational gate valves includes all valves, fittings, manholes, valve	EA	3	\$5,400.00	\$16,200.00
Air and Vacuum Release Valve and Box: Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational air and vacuum release valves includes all valves,	EA	1	\$16,000.00	\$16,000.00
5-foot Manhole: Furnish all labor, materials, equipment and incidentals required to install corrosion resistant, 5-foot manholes as shown on the drawings. This includes excavation and backfill, riser,	EA	2	\$9,500.00	\$19,000.00
5-foot Manhole With Ergonomic Lid: Furnish all labor, materials, equipment and incidentals required to install corrosion resistant, 5-foot manholes as shown on the drawings. This includes excavation a	EA	18	\$13,000.00	\$234,000.00
Manhole (extra depth): Furnish all labor, materials, equipment and incidentals required to install additional corrosion resistant manhole depth for each foot of depth greater than 8-feet as shown on t	VF	220	\$800.00	\$176,000.00
<b>SECTION 4 - EAST CEDAR BAYOU LYNCHBURG ROAD - SANITARY SEWER - OPEN CUT</b>				<b>\$1,751,141.00</b>
Trench Safety Systems: Furnish all labor, materials, equipment and incidentals as required to provide trench safety for the installation of the open-cut gravity sanitary sewer and water mains as shown	LF	5500	\$10.00	\$55,000.00
Reinforced Filter Fabric Barrier: Furnish all labor, materials, equipment and incidentals required to provide reinforced filter fabric barrier including all labor, equipment, materials, supervision, a	LF	4900	\$2.00	\$9,800.00
Inlet Protection Barrier: Furnish all labor, materials, equipment and incidentals required to provide and maintain inlet protection barriers for the duration of the project and installation of the gra	EA	3	\$65.00	\$195.00
Rock Filter Dam (Type II): Furnish all labor, materials, equipment and incidentals required to provide and maintain rock filter dams for the duration of the project and installation of the gravity san	LF	20	\$58.00	\$1,160.00
Groundwater Control: Furnish all labor, materials, equipment and incidentals required to provide groundwater control for the duration of the project and installation of the gravity sanitary sewers and	LF	5500	\$30.00	\$165,000.00
Driveway Concrete: Furnish all labor, materials, equipment and incidentals required for the installation of concrete driveways in areas disturbed by construction including removal of existing drivewa	SY	700	\$146.00	\$102,200.00

	Hydromulch and Seeding: Furnish all labor, materials, equipment and incidentals required for the hydromulch seeding to restore the existing site and areas disturbed by construction for a unit price of	AC	1.9	\$4,500.00	\$8,550.00
102	Tree and Plant Protection: Furnish all labor, materials, equipment and incidentals required for the protection of trees and plants during construction including removal of trees indicated on the drawi	LS	1	\$20,000.00	\$20,000.00
103	12" Gravity Sewer (Depth 8'-12'): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and tested 12-inch gravity sanitary sewer at a depths between 8-feet an	LF	1000	\$180.00	\$180,000.00
104	12" Gravity Sewer (Depth 12'-16'): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and tested 12-inch gravity sanitary sewer at a depths between 12-feet	LF	1000	\$195.00	\$195,000.00
105	12" Gravity Sewer (Depth 16'-20'): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and tested 12-inch gravity sanitary sewer at a depths between 16-feet	LF	420	\$228.00	\$95,760.00
106	12" Gravity Sewer (Depth 20'-24'): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and tested 12-inch gravity sanitary sewer at a depths between 20-feet	LF	1530	\$252.00	\$385,560.00
107	12" Gravity Sewer (Depth 24'-28'): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and tested 12-inch gravity sanitary sewer at a depths between 24-feet	LF	1500	\$265.00	\$397,500.00
108	12" Gravity Sewer Encased in 24" Steel Casing (Trenchless): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 12-inch gravity sewer includ	LF	110	\$660.00	\$72,600.00
109	18" Storm Sewer: Furnish all labor, materials, equipment and incidentals required to remove and replace existing 18-inch, or smaller, storm sewer with 18-inch storm sewer culvert as shown in the plans	LF	48	\$142.00	\$6,816.00
110	24" Storm Sewer: Furnish all labor, materials, equipment and incidentals required to remove and replace existing 24-inch storm sewer with 24-inch storm sewer culverts as shown in the plans, including,	LF	56	\$160.00	\$8,960.00
111	30" Storm Sewer: Furnish all labor, materials, equipment and incidentals required to remove and replace existing 30-inch storm sewer with 30-inch storm sewer culverts as shown in the plans, including,	LF	160	\$263.00	\$42,080.00
112	36" Storm Sewer: Furnish all labor, materials, equipment and incidentals required to remove and replace existing 36-inch storm sewer with 36-inch storm sewer culverts as shown in the plans, including,	LF	16	\$310.00	\$4,960.00
113	<b>SECTION 4 - EAST CEDAR BAYOU LYNCHBURG ROAD - WATER MAIN - OPEN CUT</b>				<b>\$629,871.00</b>
	Trench Safety Systems: Furnish all labor, materials, equipment and incidentals as required to provide trench safety for the installation of the open-cut gravity sanitary sewer and water mains as shown	LF	2400	\$5.00	\$12,000.00
114	Reinforced Filter Fabric Barrier: Furnish all labor, materials, equipment and incidentals required to provide reinforced filter fabric barrier including all labor, equipment, materials, supervision, a	LF	2100	\$2.00	\$4,200.00
115					

	Inlet Protection Barrier: Furnish all labor, materials, equipment and incidentals required to provide and maintain inlet protection barriers for the duration of the project and					
116	installation of the gra	EA	1	\$65.00	\$65.00	
	Rock Filter Dam (Type II): Furnish all labor, materials, equipment and incidentals required to provide and maintain rock filter dams for the duration of the project and					
117	installation of the gravity san	LF	20	\$58.00	\$1,160.00	
	Groundwater Control: Furnish all labor, materials, equipment and incidentals required to provide groundwater control for the duration of the project and installation of the					
118	gravity sanitary sewers and	LF	2400	\$15.00	\$36,000.00	
	Driveway Concrete: Furnish all labor, materials, equipment and incidentals required for the installation of concrete driveways in areas disturbed by construction					
119	including removal of existing drivewa	SY	400	\$130.00	\$52,000.00	
	Hydromulch and Seeding: Furnish all labor, materials, equipment and incidentals required for the hydromulch seeding to restore the existing site and areas disturbed by					
120	construction for a unit price of	AC	0.9	\$4,500.00	\$4,050.00	
	Tree and Plant Protection: Furnish all labor, materials, equipment and incidentals required for the protection pf trees and plants during construction including removal of					
121	trees indicated on the drawi	LS	1	\$20,000.00	\$20,000.00	
	12" Water Main (Open Cut): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 12-inch water main including water					
122	pipe, excavation, bedding,	LF	2420	\$175.00	\$423,500.00	
	12" Water Main Encased in 24" Steel Casing (Trenchless): Furnish all labor, materials, equipment and incidentals required to provide					
123	complete, in-place and operational 24-inch casing for the 12" wate	LF	50	\$720.00	\$36,000.00	
	18" Storm Sewer: Furnish all labor, materials, equipment and incidentals required to remove and replace existing 18-inch, or smaller, storm sewer with 18-inch storm					
124	sewer culvert as shown in the plans	LF	288	\$142.00	\$40,896.00	
<b>SECTION 5 - CROSBY CEDAR BAYOU ROAD - GENERAL</b>					<b>\$294,500.00</b>	
	Traffic Control: Furnish all labor, materials, equipment and incidentals required for the temporary traffic control devices including temporary traffic buttons and					
125	striping, barrels, message boards, a	LS	1	\$50,000.00	\$50,000.00	
	Flagmen: This item shall be invoiced based on the submitted Schedule of Values for					
126	Flaggers:	LS	1	\$35,000.00	\$35,000.00	
	5-foot Manhole: Furnish all labor, materials, equipment and incidentals required to install corrosion resistant, 5-foot manholes as shown on the drawings. This					
127	includes excavation and backfill, riser,	EA	3	\$9,500.00	\$28,500.00	
	5-foot Manhole With Ergonomic Lid: Furnish all labor, materials, equipment and incidentals required to install corrosion resistant, 5-foot manholes as shown on the drawings. This					
128	includes excavation a	EA	5	\$13,000.00	\$65,000.00	
	Manhole (extra depth): Furnish all labor, materials, equipment and incidentals required to install additional corrosion resistant manhole depth for each foot of depth					
129	greater than 8-feet as shown on t	VF	145	\$800.00	\$116,000.00	
<b>SECTION 5 - CROSBY CEDAR BAYOU ROAD - SANITARY SEWER - OPEN CUT</b>					<b>\$1,087,638.00</b>	
	Trench Safety Systems: Furnish all labor, materials, equipment and incidentals as required to provide trench safety for the installation of the open-cut gravity sanitary					
130	sewer and water mains as shown	LF	1800	\$30.00	\$54,000.00	

131	Reinforced Filter Fabric Barrier: Furnish all labor, materials, equipment and incidentals required to provide reinforced filter fabric barrier including all labor, equipment, materials, supervision, a	LF	1690	\$2.00	\$3,380.00
132	Inlet Protection Barrier: Furnish all labor, materials, equipment and incidentals required to provide and maintain inlet protection barriers for the duration of the project and installation of the gra	EA	2	\$65.00	\$130.00
133	Rock Filter Dam (Type II): Furnish all labor, materials, equipment and incidentals required to provide and maintain rock filter dams for the duration of the project and installation of the gravity san	LF	80	\$58.00	\$4,640.00
134	Groundwater Control: Furnish all labor, materials, equipment and incidentals required to provide groundwater control for the duration of the project and installation of the gravity sanitary sewers and	LF	1790	\$30.00	\$53,700.00
135	Driveway Concrete: Furnish all labor, materials, equipment and incidentals required for the installation of concrete driveways in areas disturbed by construction including removal of existing drivewa	SY	230	\$130.00	\$29,900.00
136	Hydromulch and Seeding: Furnish all labor, materials, equipment and incidentals required for the hydromulch seeding to restore the existing site and areas disturbed by construction for a unit price of	AC	1	\$4,500.00	\$4,500.00
137	Tree and Plant Protection: Furnish all labor, materials, equipment and incidentals required for the protection pf trees and plants during construction including removal of trees indicated on the drawi	LS	1	\$20,000.00	\$20,000.00
138	12" Gravity Sewer (Depth 8'-12'): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and tested 12-inch gravity sanitary sewer at a depths between 8-feet an	LF	70	\$180.00	\$12,600.00
139	12" Gravity Sewer (Depth 24'-28'): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and tested 12-inch gravity sanitary sewer at a depths between 24-feet	LF	920	\$265.00	\$243,800.00
140	12" Gravity Sewer (Depth 28'-32'): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and tested 12-inch gravity sanitary sewer at a depths between 28-feet	LF	810	\$360.00	\$291,600.00
141	12" Gravity Sewer (trenchless): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 12-inch gravity sewer including pipe, excavation, beddin	LF	220	\$237.00	\$52,140.00
142	12" Gravity Sewer Encased in 24" Steel Casing (Trenchless): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 12-inch gravity sewer includ	LF	440	\$650.00	\$286,000.00
143	18" Storm Sewer: Furnish all labor, materials, equipment and incidentals required to remove and replace existing 18-inch, or smaller, storm sewer with 18-inch storm sewer culvert as shown in the plans	LF	184	\$142.00	\$26,128.00

	24" Storm Sewer: Furnish all labor, materials, equipment and incidentals required to remove and replace existing 24-inch storm sewer with 24-inch storm sewer				
144	culverts as shown in the plans, including,	LF	32	\$160.00	\$5,120.00
<b>SECTION 6 - LIFT STATION</b>					<b>\$2,707,615.00</b>
	Stabilized Construction Access: Furnish all labor, materials, equipment and incidentals required to provide and maintain stabilized construction access for the duration of the project				
145	and installation	SY	90	\$51.00	\$4,590.00
	Concrete Truck Washout: Furnish all labor, materials, equipment and incidentals required to provide and maintain concrete truck washout for the duration of the project and				
146	installation of the lift stat	LS	1	\$1,500.00	\$1,500.00
	Reinforced Filter Fabric Barrier: Furnish all labor, materials, equipment and incidentals required to provide reinforced filter fabric barrier including all labor, equipment, materials,				
147	supervision, a	LF	150	\$3.50	\$525.00
	Groundwater Control: Furnish all labor, materials, equipment and incidentals required to provide groundwater control for the duration of the project and installation of the				
148	gravity sanitary sewers and	LF	110	\$30.00	\$3,300.00
	Trench Safety Systems: Furnish all labor, materials, equipment and incidentals as required to provide trench safety for the installation of the open-cut gravity sanitary				
149	sewer and water mains as shown	LF	110	\$10.00	\$1,100.00
	Wet Well and Valve Pad: Furnish all labor, materials, equipment and incidentals required to install 8-foot diameter concrete wet well & valve pad, access hatches, vents, pipe				
150	supports and appurtenance	EA	1	\$1,850,000.00	\$1,850,000.00
	Valves and Fittings: Furnish all labor, materials, equipment and incidentals required to install all lift station valves as shown on the drawings. This includes gate valves,				
151	swing check valves, air re	EA	1	\$275,000.00	\$275,000.00
	12" Gravity Sewer (Depth 28'-32'): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and tested 12-inch gravity sanitary sewer at a depths				
152	between 28-feet	LF	20	\$360.00	\$7,200.00
	6" Force Main (Open Cut): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 8-inch water main including water				
153	pipe, excavation, bedding, b	LF	90	\$95.00	\$8,550.00
	6" Force Main Encased in 12" Steel Casing (Trenchless): Furnish all labor, materials, equipment and incidentals required to provide				
154	complete, in-place and operational 6" force main including 12" stee	LF	40	\$270.00	\$10,800.00
	Fence and Access Gates: Furnish all labor, materials, and equipment required to install the 16 foot manual operated, fence swing gate at the lift stations as shown on the				
155	drawings for a unit price of	EA	2	\$6,500.00	\$13,000.00
	Fence: Furnish all labor, materials, and equipment required to install the 8 foot galvanized fence with cedar planks at the lift stations as shown on the				
156	drawings for a unit price of:	LF	130	\$130.00	\$16,900.00
	Hydromulch and Seeding: Furnish all labor, materials, equipment and incidentals required for the hydromulch seeding to restore the existing site and areas disturbed by				
157	construction for a unit price of	AC	0.3	\$6,500.00	\$1,950.00
	Landscaping and Tree Planting: Furnish all labor, materials, equipment and incidentals required for the				
158	landscaping and tree planting for a unit price of:	LS	1	\$35,000.00	\$35,000.00

	Driveway Concrete: Furnish all labor, materials, equipment and incidentals required for the installation of concrete driveways in areas disturbed by construction					
159	including removal of existing drivewa	SF	2170	\$20.00	\$43,400.00	
	Bollards: Furnish all labor, materials, equipment and incidentals required and install					
160	the lift station bollards for a unit price of:	EA	8	\$1,600.00	\$12,800.00	
	Submersible Pumps: Furnish all labor, materials, equipment and incidentals required to install					
161	submersible pumps and all mounting and removal equipment and pipe supports per the plans and specificatio	EA	2	\$36,000.00	\$72,000.00	
	Lift Station Control Panel and SCADA System: Furnish all electrical and Instrumentation equipment, appurtenances, and					
162	systems including; pump control panel, lighting, terminal boxes, communications an	LS	1	\$250,000.00	\$250,000.00	
	Standby Gas Generator, ATS: Furnish all labor, materials, equipment and incidentals required to install					
163	stanby generator and automatic transfer switch complete and fully operational with the lift stat	LS	1	\$100,000.00	\$100,000.00	
<b>SECTION 7 EXTRA UNIT WORK ITEMS</b>						<b>\$1,209,100.00</b>
164	Filter Fabric Fence	LF	200	\$4.00	\$800.00	
165	Wet Sand Bedding	LF	100	\$37.00	\$3,700.00	
166	Extra Hand Excavation	SY	100	\$90.00	\$9,000.00	
167	Extra Machine Excavation (Min. \$4 per CY)	CY	200	\$20.00	\$4,000.00	
168	Cement Stabilized Sand (Min. \$25 per CY)	CY	50	\$91.00	\$4,550.00	
169	Bank Sand Backfill (Min. \$20 per CY)	CY	50	\$35.00	\$1,750.00	
170	Hydrated Lime for Subgrade (Min. \$200 per ton)	TON	25	\$364.00	\$9,100.00	
171	12" Gravity Sewer (All Depths)	LF	500	\$250.00	\$125,000.00	
172	6' Precast Manhole	EA	2	\$9,500.00	\$19,000.00	
173	Concrete Headwalls for Storm Sewers	EA	2	\$5,000.00	\$10,000.00	
	Remove and Replace 6-in Reinforced Concrete Pavement, including Demolition, Reinforcing Steel, Concrete, Labor and appurtenances					
174	Complete in Place for Driveways.	SY	450	\$100.00	\$45,000.00	
	Remove and Replace 7-Inch Reinforced Concrete Pavement, including Demolition, Reinforcing Steel, Horizontal Dowels, Concrete, Traffic					
175	Buttons, Thermoplastic Striping, Direction Markings, Labor and App	SY	300	\$108.00	\$32,400.00	
	Remove and Replace Reinforced Concrete Curbs, including Demolition, Reinforcing Steel, Concrete, Labor and appurtenances Complete in Place.					
176		LF	200	\$40.00	\$8,000.00	
	Remove and Replace 4-in Reinforced Concrete Sidewalks and Access Ramps, including Demolition, Reinforcing Steel, Concrete, Labor and					
177	appurtenances Complete in Place.	SY	100	\$75.00	\$7,500.00	
	Remove and Replace 6' Chain Link Fence including Post Excavation, Concrete, Chain Link Mesh, Hardware, and Appurtenances Complete in					
178	Place.	LF	200	\$54.00	\$10,800.00	
	Remove and Replace Landscaping not incidental to the work, Complete in					
179	Place.	SF	200	\$20.00	\$4,000.00	
	Remove and Replace Trees not incidental to the work, maximum 3-inch diameter trunk size,including disposal, excavation, staking, and mulching					
180	Complete in Place.	EA	10	\$1,300.00	\$13,000.00	
181	Roadway Repair East Cedar Bayou-Lynchburg Rd from N. Main to Barkuloo Rd. (Baytown)	SY	1700	\$82.00	\$139,400.00	
182	Roadway Repair East Cedar Bayou-Lynchburg Rd from Barkuloo to Crosby Cedar Bayou Rd. (Harris County)	SY	3700	\$82.00	\$303,400.00	
183	Roadway Repair Barkuloo Road from East Archer Rd. to East Cedar Bayou Lynchburg Rd. (Harris County)	SY	1500	\$82.00	\$123,000.00	
184	Roadway Repair Crosby Cedar Bayou Rd from East Cedar Bayou Lynchburg Rd. to Sjolander Rd. (Harris County)	SY	2100	\$82.00	\$172,200.00	
185	Roadway Repair Sjolander Rd. from UPRR to East Archer Rd. (Harris County)	SY	100	\$190.00	\$19,000.00	
186	Roadway Repair not incidental to the work.	SY	500	\$143.00	\$71,500.00	

	ROW Preparation Clearance Pruning/Clearing: East Cedar Bayou- 187 Lynchburg Rd from N. Main to Barkuloo Rd .	LF	1400	\$10.00	\$14,000.00
	ROW Preparation Clearance Pruning/Clearing: East Cedar Bayou- 188 Lynchburg Rd from Barkuloo to Crosby Cedar Bayou Rd. (Harris County)	LF	3000	\$10.00	\$30,000.00
	ROW Preparation Clearance Pruning/Clearing: Barkuloo Road from East 189 Archer Rd. to East Cedar Bayou Lynchburg Rd. (Harris County)	LF	1100	\$10.00	\$11,000.00
	ROW Preparation Clearance Pruning/Clearing: Crosby Cedar Bayou Rd 190 from East Cedar Bayou Lynchburg Rd. to Sjolander Rd. (Harris County)	LF	1700	\$10.00	\$17,000.00
	ROW Preparation Clearance Pruning/Clearing: Sjolander Rd. from UPRR to 191 East Archer Rd. (Harris County)	LF	100	\$10.00	\$1,000.00
<b>SECTION 8 BID ALTERNATE A SECTION 2 - BARKULOO ROAD - SANITARY SEWER, TRENCHLESS</b>					<b>\$0.00</b>
	Barkuloo Gravity Sewer, Trenchless: Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 12" gravity sewer including pipe, trenchless install				
A1		LF	3140	\$0.00	\$0.00
	12" Gravity Sewer Encased in 24" Steel Casing (Trenchless): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 12-inch gravity sewer includ				
A2		LF	360	\$0.00	\$0.00
A3	Less Subtotal Section 2 - Barkuloo Road - Sanitary Sewer - Open Cut Line lte LS		1	\$0.00	\$0.00
A4	Less Roadway Repair Barkuloo Road from East Archer Rd. to East Cedar Bay SY		1500	\$0.00	\$0.00
<b>SECTION 9 BID ALTERNATE B SECTION 2 - BARKULOO ROAD - WATER MAIN, TRENCHLESS</b>					<b>\$0.00</b>
	Barkuloo Road - Water Main, Trenchless: Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 12" water main including pipe, trenchless install				
B1		LF	3500	\$0.00	\$0.00
	12" Water Main Encased in 24" Steel Casing (Trenchless): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 24-inch casing for the 12" wate				
B2		LF	570	\$0.00	\$0.00
B3	Less Subtotal Section 2 - Barkuloo Road - Water Main - Open Cut Line Items LS		1	\$0.00	\$0.00
<b>SECTION 10 BID ALTERNATE C SECTION 3 - SJOLANDER ROAD - SANITARY SEWER, TRENCHLESS</b>					<b>\$0.00</b>
	Sjolander Road - Force Main, Trenchless: Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 6" force main including pipe, trenchless install				
C1		LF	6300	\$0.00	\$0.00
	6" Force Main Encased in 12" Steel Casing (Trenchless): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 6" force main including 12" stee				
C2		LF	1200	\$0.00	\$0.00
C3	Less Subtotal Section 3 - Sjolander Road - Force Main - Open Cut Line Items LS		1	\$0.00	\$0.00
c4	Less Roadway Repair Sjolander Rd. from UPRR to East Archer Rd. (Harris Co SY		100	\$0.00	\$0.00
<b>SECTION 11 BID ALTERNATE D SECTION 3 - SJOLANDER ROAD - WATER MAIN, TRENCHLESS</b>					<b>\$0.00</b>
	Sjolander Road - Water Main, Trenchless: Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 12" water main including pipe, trenchless instal				
D1		LF	1980	\$0.00	\$0.00
	12" Water Main Encased in 24" Steel Casing (Trenchless): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 24-inch casing for the 12" wate				
D2		LF	430	\$0.00	\$0.00
	Less Subtotal Section 3 - Sjolander Road - Water Main - Open Cut Line Items 70-81				
D3		LS	1	\$0.00	\$0.00
<b>SECTION 12 BID ALTERNATE E SECTION 4 - EAST CEDAR BAYOU LYNCHBURG ROAD - SANITARY SEWER, TRENCHLESS</b>					<b>\$0.00</b>
	East Cedar Bayou Lynchburg Road - Sanitary Sewer, Trenchless: Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 12" gravity sewer including				
E1		LF	5450	\$0.00	\$0.00
	12" Gravity Sewer Encased in 24" Steel Casing (Trenchless): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 12-inch gravity sewer includ				
E2		LF	110	\$0.00	\$0.00

E3	Less Subtotal Section 4 - East Cedar Bayou Lynchburg Road - Sanitary Sewer - Open Cut Line Items 96-113	LS	1	\$0.00	\$0.00
E4	Less Roadway Repair East Cedar Bayou-Lynchburg Rd from Barkuloo to Crosby Cedar Bayou Rd. (Harris County) and Roadway Repair Barkuloo Road from East Archer Rd. to East Cedar Bayou Lynchburg Rd. (Harri	SY	5200	\$0.00	\$0.00
<b>SECTION 13 BID ALTERNATE F SECTION 4 - EAST CEDAR BAYOU LYNCHBURG ROAD - WATER MAIN, TRENCHLESS</b>					<b>\$0.00</b>
F1	East Cedar Bayou Lynchburg Road - Water, Trenchless: Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 12" water main including pipe, trenc	LF	2420	\$0.00	\$0.00
F2	12" Water Main Encased in 24" Steel Casing (Trenchless): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 24-inch casing for the 12" wate	LF	50	\$0.00	\$0.00
F3	Less Subtotal Section 4 - East Cedar Bayou Lynchburg Road - Water Main - Open Cut Line Items 114-124	LS	1	\$0.00	\$0.00
<b>SECTION 14 BID ALTERNATE G SECTION 5 - CROSBY CEDAR BAYOU ROAD - SANITARY SEWER, TRENCHLESS</b>					<b>\$0.00</b>
G1	Crosby Cedar Bayou Road - Sanitary Sewer, Trenchless: Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 12" gravity sewer including pipe, t	LF	2020	\$0.00	\$0.00
G2	12" Gravity Sewer Encased in 24" Steel Casing (Trenchless): Furnish all labor, materials, equipment and incidentals required to provide complete, in-place and operational 12-inch gravity sewer includ	LF	440	\$0.00	\$0.00
G3	Less Subtotal Section 5 - Crosby Cedar Bayou Road - Sanitary Sewer - Open	LS	1	\$0.00	\$0.00
G4	Less Roadway Repair Crosby Cedar Bayou Rd from East Cedar Bayou Lynchburg	SY	2100	\$0.00	\$0.00
<b>SECTION 15 BID ALTERNATE H SECTION 6 - LIFT STATION</b>					<b>\$150,000.00</b>
H1	Composite Fence: Replaces Bid Line Item 156 8-ft galvanized fence posts with cedar planks. Furnish all labor, materials, and equipment required to install an 8 foot composite fence with gates and floo	LS	1	\$150,000.00	\$150,000.00
<b>Base Bid Total:</b>					<b>\$14,264,150.00</b>