

Project Name:	Leopard Street and Oak Park Pedestrian Safety Improvements
Project Number:	23142
Owner:	City of Corpus Christi
Bidder:	Final Submittal - Engineer's Opinion of Probable Construction Cost - Base Bid
OAR:	Joseph Johnson, Assistant Director of Engineering Services: Construction Management
Designer:	Freese and Nichols, Inc.

Basis of Bid

Item	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	EXTENDED AMOUNT
Base Bid					
Part A - General (per SECTION 01 29 01 MEASUREMENT AND BASIS FOR PAYMENT)					
A1	MOBILIZATION (MAX 5% PART A)	LS	1	\$ 2,700.00	\$ 2,700.00
A2	BONDS AND INSURANCE (MAX 2%)	LS	1	\$ 7,500.00	\$ 7,500.00
A3	BLOCK SODDING	SY	483	\$ 6.00	\$ 2,898.00
A4	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	5	\$ 8,000.00	\$ 40,000.00
A5	TEMP SEDMT CONT FENCE (INSTALL)	LF	100	\$ 10.00	\$ 1,000.00
A6	TEMP SEDMT CONT FENCE (REMOVE)	LF	100	\$ 2.00	\$ 200.00
A7	TEMP SDMT CONT FENCE (INLET PROTECTION)	EA	15	\$ 300.00	\$ 4,500.00
SUBTOTAL PART A - GENERAL (Items A1 thru A7)					\$ 58,798.00

Part B - STREET IMPROVEMENTS (per SECTION 01 29 01 MEASUREMENT AND BASIS FOR PAYMENT)					
B1	MOBILIZATION (MAX 5% PART B)	LS	1	\$ 13,000.00	\$ 13,000.00
B2	REMOVING CONC (MEDIANS)	SY	210	\$ 45.00	\$ 9,450.00
B3	REMOVING CONC (CURB AND GUTTER)	LF	410	\$ 30.00	\$ 12,300.00
B4	REMOVING STAB BASE & ASPH PAV (6" - 8")	SY	650	\$ 15.00	\$ 9,750.00
B5	REMOVE EXISTING SIGN ASSEMBLIES	EA	4	\$ 100.00	\$ 400.00
B6	REMOVE AND REPLACE EXISTING CURB INLET TOP	EA	3	\$ 2,000.00	\$ 6,000.00
B7	FLEXIBLE PAVEMENT STRUCTURE REPAIR(8")	SY	443	\$ 175.00	\$ 77,525.00
B8	CONC CURB & GUTTER (TY II)	LF	670	\$ 45.00	\$ 30,150.00
B9	DRIVEWAYS (CONC)(6")	SY	386	\$ 120.00	\$ 46,320.00
B10	CONC DIRECTIONAL ISLAND	SY	176	\$ 130.00	\$ 22,880.00
B11	IN SM RD SN SUP&AM TY10BWG(1)SA(P)	EA	9	\$ 1,000.00	\$ 9,000.00
B12	IN SM RD SN SUP&AM (INST SIGN ONLY)	EA	2	\$ 400.00	\$ 800.00
B13	INSTL DEL ASSM (D-SW)SZ 2(WFLX)SRF(BI)	EA	5	\$ 100.00	\$ 500.00
B14	INSTL DEL ASSM (D-SY)SZ 2(YFLX)SRF(BI)	EA	4	\$ 100.00	\$ 400.00
B15	REFL PAV MRK TY I (W)4"(DOT)(090MIL)	LF	360	\$ 1.00	\$ 360.00
B16	REFL PAV MRK TY I (W)4"(SLD)(090MIL)	LF	570	\$ 1.00	\$ 570.00
B17	REFL PAV MRK TY I (W)8"(SLD)(090MIL)	LF	350	\$ 2.00	\$ 700.00
B18	REFL PAV MRK TY I (W)8"(DOT)(090MIL)	LF	97	\$ 2.00	\$ 194.00
B19	RE PM TY 1(Y)4"(SLD)(090MIL)(CALLOUT)	LF	1860	\$ 1.00	\$ 1,860.00
B20	PREFAB PAV MRK TY C (W) (24") (SLD)	LF	505	\$ 20.00	\$ 10,100.00
B21	PREFAB PAV MRK TY C (W) (ARROW)	EA	4	\$ 300.00	\$ 1,200.00
B22	PREFAB PAV MRK TY C (W) (WORD)	EA	4	\$ 300.00	\$ 1,200.00
B23	PREFAB PAV MRK TY C (W) (36") (YLD TRI)	EA	5	\$ 100.00	\$ 500.00
B24	PREFAB PAV MRK TY C (Y) (12") (SLD)	LF	400	\$ 10.00	\$ 4,000.00
B25	ERADICATE EXISTING STRIPING	LF	2100	\$ 1.00	\$ 2,100.00

Item	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	EXTENDED AMOUNT
B26	ERADICATE EXISTING CROSSWALK OR STOP BARS	LF	230	\$ 5.00	\$ 1,150.00
B27	ERADICATE EXISTING ARROWS OR WORDS	EA	28	\$ 50.00	\$ 1,400.00
B28	Allowance for Unanticipated Street -Related Improvements	LS	1	\$ 25,000.00	\$ 25,000.00
SUBTOTAL PART B - STREET IMPROVEMENTS (Items B1 thru B28)					\$ 288,809.00

Part C - ADA IMPROVEMENTS (per SECTION 01 29 01 MEASUREMENT AND BASIS FOR PAYMENT)					
C1	MOBILIZATION (MAX 5% PART C)	LS	1	\$ 6,900.00	\$ 6,900.00
C2	REMOVING CONC (SIDEWALKS)	SY	705	\$ 35.00	\$ 24,675.00
C3	CONC SIDEWALKS (4")	SY	755	\$ 105.00	\$ 79,275.00
C4	CONC SIDEWALKS (5") BUS SHELTER PAD	SY	33	\$ 140.00	\$ 4,620.00
C5	CURB RAMPS (TY 2)	SY	15	\$ 170.00	\$ 2,550.00
C6	CURB RAMPS (TY 6)	SY	49	\$ 170.00	\$ 8,330.00
C7	CURB RAMPS (TY 21)	SY	7	\$ 170.00	\$ 1,190.00
C8	CURB RAMPS (TY 22)	SY	23	\$ 170.00	\$ 3,910.00
C9	SIDEWALK RETAINING CURB	LF	100	\$ 45.00	\$ 4,500.00
C10	Allowance for Unanticipated ADA Improvements	LS	1	\$ 10,000.00	\$ 10,000.00
SUBTOTAL PART C - ADA IMPROVEMENTS (Items C1 thru C10)					\$ 145,950.00

Part D - SIGNALIZATION IMPROVEMENTS (per SECTION 01 29 01 MEASUREMENT AND BASIS FOR PAYMENT)					
D1	MOBILIZATION (MAX 5% PART D)	LS	1	\$ 23,000.00	\$ 23,000.00
D2	REMOVE PEDESTAL POLES, FOUNDATIONS, RRFB SYSTEM, AND SIGNS AND SALVAGE TO CITY	EA	2	\$ 1,000.00	\$ 2,000.00
D3	DRILL SHAFT (TRF SIG POLE) (24 IN)	LF	18	\$ 200.00	\$ 3,600.00
D4	DRILL SHAFT (TRF SIG POLE) (36 IN)	LF	60	\$ 400.00	\$ 24,000.00
D5	CONDT (PVC) (SCHD 40) (2")	LF	75	\$ 25.00	\$ 1,875.00
D6	CONDT (PVC) (SCHD 40) (2") (BORE)	LF	715	\$ 35.00	\$ 25,025.00
D7	CONDT (PVC) (SCHD 40) (3")	LF	80	\$ 35.00	\$ 2,800.00
D8	CONDT (PVC) (SCHD 40) (4")	LF	10	\$ 45.00	\$ 450.00
D9	CONDT (PVC) (SCHD 40) (4") (BORE)	LF	370	\$ 60.00	\$ 22,200.00
D10	ELEC CONDR (NO. 10) INSULATED GREEN (I.T. GROUND)	LF	725	\$ 1.50	\$ 1,087.50
D11	ELEC CONDR (NO. 8) INSULATED	LF	550	\$ 2.00	\$ 1,100.00
D12	ELEC CONDR (NO. 6) BARE	LF	10	\$ 3.00	\$ 30.00
D13	ELEC CONDR (NO. 6) INSULATED	LF	20	\$ 3.00	\$ 60.00
D14	TRAY CABLE (3 CONDR) (12 AWG)	LF	940	\$ 5.00	\$ 4,700.00
D15	LUMINAIRE CABLE (2 CNDR) (12 AWG) W/GROUND	LF	785	\$ 3.00	\$ 2,355.00
D16	GROUND BOX TY D (162922) W /APRON	EA	6	\$ 2,000.00	\$ 12,000.00
D17	ELC SRV TY D 120/240 060(NS)AL(E)SP(O)	EA	1	\$ 10,000.00	\$ 10,000.00
D18	INSTALL HIGHWAY TRAFFIC SIGNAL (ISOLATED)	EA	1	\$ 15,000.00	\$ 15,000.00
D19	VEH SIG SEC (12") LED (GRN)	EA	8	\$ 300.00	\$ 2,400.00
D20	VEH SIG SEC (12") LED (GRN ARW)	EA	2	\$ 300.00	\$ 600.00
D21	VEH SIG SEC (12") LED (YEL)	EA	8	\$ 300.00	\$ 2,400.00
D22	VEH SIG SEC (12") LED (YEL ARW)	EA	4	\$ 300.00	\$ 1,200.00
D23	VEH SIG SEC (12") LED (RED)	EA	8	\$ 300.00	\$ 2,400.00
D24	VEH SIG SEC (12") LED (RED ARW)	EA	2	\$ 300.00	\$ 600.00
D25	PED SIG SEC LED (COUNTDOWN)	EA	6	\$ 800.00	\$ 4,800.00
D26	LOUVERED VACUUM FORMED ABS BACK PLATE (12") (3 SEC) 3M YELLOW RETROREFLECTIVE 2" TAPE	EA	8	\$ 175.00	\$ 1,400.00
D27	LOUVERED VACUUM FORMED ABSBACK PLATE (12") (4 SEC) 3M YELLOW RETROREFLECTIVE 2" TAPE	EA	2	\$ 200.00	\$ 400.00

Item	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	EXTENDED AMOUNT
D28	TRF SIG CBL (TY A) (12 AWG) (2 CONDR)	LF	1,130	\$ 2.00	\$ 2,260.00
D29	TRF SIG CBL (TY A) (14 AWG) (4 CONDR)	LF	510	\$ 2.00	\$ 1,020.00
D30	TRF SIG CBL (TY A) (14 AWG) (5 CONDR)	LF	124	\$ 3.00	\$ 372.00
D31	TRF SIG CBL (TY A) (14 AWG) (16 CONDR)	LF	800	\$ 7.00	\$ 5,600.00
D32	INS TRF SIG PL AM (S) 1 ARM (32') (LUM)	EA	2	\$ 13,500.00	\$ 27,000.00
D33	INS TRF SIG PL AM (S) 1 ARM (40') (LUM)	EA	1	\$ 17,000.00	\$ 17,000.00
D34	INS TRF SIG PL AM (S) 1 ARM (40')	EA	1	\$ 16,000.00	\$ 16,000.00
D35	PED DETECT PUSH BUTTON (APS) w/ R10-3E sign (Polara iDS2 APS with iDetect) (Touchless)	EA	6	\$ 1,200.00	\$ 7,200.00
D36	PED DETECTOR CONTROLLER UNIT ((ICCU-S2) and Interconnect Board (iN2-iCB))	EA	1	\$ 4,300.00	\$ 4,300.00
D37	Ped. Sig. Sec. (LED) (Countdown)	EA	6	\$ 900.00	\$ 5,400.00
D38	Ped. Pole Assembly (10' Height)	EA	3	\$ 1,500.00	\$ 4,500.00
D39	INSTALL BBU SYSTEM (ALPHA FXM HP1100 UPS WITH with 48" Outdoor BBS Enclosure (SE48-1616) (To Include All System Options)	EA	1	\$ 8,000.00	\$ 8,000.00
D40	CCTV FIELD EQUIPMENT (DIGITAL) (PTZ CAMERA - (Axis P5655-E PTZ, 1080P, WDR, x32, IP66, Dome Network Camera) Including Mounting Equipment)	EA	1	\$ 7,500.00	\$ 7,500.00
D41	ITS GND BOX (POLY) TY 1 (243624)W/APRN	EA	2	\$ 2,500.00	\$ 5,000.00
D42	FIBER OPTIC CABLE (INSTALLATION ONLY -FURNISHED BY CITY)	LF	725	\$ 1.00	\$ 725.00
D43	ETHERNET CABLE CAT 5E FOR PTZ	LF	225	\$ 5.00	\$ 1,125.00
D44	MICROWAVE VEHICLE DETECTION SYSTEM (SMARTMICRO MICROWAVE SENSOR – TRUGRD STREAM WITH COLOR CAMERA, SDLC MODULE, COM HUB SYNC PLC)	EA	4	\$ 11,000.00	\$ 44,000.00
D45	SMARTMICRO – SDLC MODULE & COM HUB SYNC PLC	EA	1	\$ 3,000.00	\$ 3,000.00
D46	SMARTMICRO – POWER AND DATA CABLE	EA	1	\$ 4,000.00	\$ 4,000.00
D47	MAST ARM WIND DAMPER (FREY MANUFACTURING)	EA	4	\$ 1,000.00	\$ 4,000.00
D48	ILSN (LED) 8S (DURALIGHT JXM-STN) RIGID BACK MOUNT	EA	4	\$ 4,000.00	\$ 16,000.00
D49	Duralight LED Luminaire (DURA-STR-25-4K-120-2-GR-SCLB)	EA	3	\$ 500.00	\$ 1,500.00
D50	CONTROLLER CABINET (TS-2) WITH EXTENSION	EA	1	\$ 15,000.00	\$ 15,000.00
D51	CONTROLLER FOUNDATION	EA	1	\$ 4,000.00	\$ 4,000.00
D52	CONTROLLER ECONOLITE COBALT ATC 1000	EA	1	\$ 5,000.00	\$ 5,000.00
D53	MMU2-16LEip With Ethernet Port	EA	1	\$ 1,000.00	\$ 1,000.00
D54	CISCO ETHERNET 4000 SWITCH 9IE-4000-8GT8GP4G-E) AND POWER SUPPLY (PWR-IE170W-PC-AC=)	EA	1	\$ 9,000.00	\$ 9,000.00
D55	Allowance for Unanticipated Signalization Improvements	LS	1	\$ 25,000.00	\$ 25,000.00
SUBTOTAL PART D - SIGNALIZATION IMPROVEMENTS (D1 THRU D55)					\$ 411,984.50

Item	DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	EXTENDED AMOUNT
BID SUMMARY					

SUBTOTAL PART A - GENERAL (Items A1 thru A7)				\$	58,798.00
SUBTOTAL PART B - STREET IMPROVEMENTS (Items B1 thru B28)				\$	288,809.00
SUBTOTAL PART C - ADA IMPROVEMENTS (Items C1 thru C10)				\$	145,950.00
SUBTOTAL PART D - SIGNALIZATION IMPROVEMENTS (Items D1 thru D55)				\$	411,984.50
TOTAL PROJECT BASE BID (PARTS A THRU D)				\$	905,541.50