

## Exhibit B

CITY OF CHULA VISTA

**COST ESTIMATE**

**PROJECT TITLE:**

THIRD AVENUE BEAUTIFICATION PROJECT

FROM 200' NORTH OF "F" STREET TO "E" STREET

CIVIL (INCLUDING LANDSCAPE & ELECTRICAL) - PHASE III

**PROJECT NUMBER:**

STL-406

**DATE:**

MARCH 5, 2018

**PREPARED BY:**

JOSÉ SERRATO

**CHECKED BY:**

JOSÉ GOMEZ

No.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
<b>COLLECT BASELINE DATA</b>					
1	Baseline Data Collection Plan; Raw Bike/Ped Data	1	EA	\$20,000.00	\$20,000.00
				<b>SUBTOTAL:</b>	<b>\$20,000</b>
<b>ROADWAY IMPROVEMENTS</b>					
2	Asphalt Concrete Pavement (5") & Overlay (1 1/2")	910	Tons	\$120.00	\$109,200.00
3	Crushed Aggregate Base (8")	335	Tons	\$80.00	\$26,800.00
4	Cold Planing/ Grinding	74,110	SF	\$1.40	\$103,754.00
				<b>SUBTOTAL:</b>	<b>\$239,754</b>
<b>CONCRETE IMPROVEMENTS</b>					
5	P.C.C. Monolithic Curb, Gutter and Sidewalk, 6-inch Curb x 4.50-feet thru 9-feet Wide	55	LF	\$100.00	\$5,500.00
6	P.C.C. Curb and Gutter (3-inch)	132	LF	\$30.00	\$3,960.00
7	P.C.C. Curb and Gutter (6" & VARIOUS TRANSITIONS)	2,171	LF	\$32.00	\$69,472.00
8	P.C.C. Median Curb (6-Inch) Per SDRSD G-6, B-1	952	LF	\$30.00	\$28,560.00
9	P.C.C. Sidewalk 4-inch Thick (Light Broom Finish) (PCC Strip)	215	SF	\$10.00	\$2,150.00
10	P.C.C. Sidewalk 4-inch Thick Natural Grey Concrete w/ 3' x 3' Square Pattern w/ Light Broom Finish	29,822	SF	\$10.00	\$298,220.00
11	P.C.C. Sidewalk 4-inch Thick Integral Color Concrete w/ 1.50' x 1.50' Diagonal Pattern @ 45 degree Angle Medium Sandblast Finish Davis Color Flagstone Brown	2,530	SF	\$15.00	\$37,950.00
12	P.C.C. Median Walk 4-inch Thick Integral Color Concrete w/ 13" x 13" Diagonal Pattern @ 45 degree Angle Medium Sandblast Finish Davis Color Flagstone brown	70	SF	\$15.00	\$1,050.00
13	P.C.C. Accent Square, 4-inch Thick 8' x 8' Integral Color Lakeside Brown and Medium Sandblast Finish Flagstone Brown 641	384	SF	\$25.00	\$9,600.00
14	P.C.C. Sidewalk 4-inch Thick Integral Color Concrete Band w/ Medium Sandblast Finish	1,125	SF	\$18.00	\$20,250.00
15	P.C.C. Driveway, 6-inch Thick (w/ 3' x 3' Square Pattern, Light Broom finish)	644	SF	\$14.00	\$9,016.00
16	P.C.C. Monolithic Crosswalk Band and Base, See Detail on Sheet No. 8	3,351	SF	\$30.00	\$100,530.00
17	P.C.C. Pedestrian Ramps, CVCS 25 Type A	8	EA	\$4,000.00	\$32,000.00
18	P.C.C. Pedestrian Ramps CVCS 25 Type A Modified	2	EA	\$5,000.00	\$10,000.00
19	P.C.C. Pedestrian Ramps, CVCS 25 Type B	4	EA	\$4,000.00	\$16,000.00
20	P.C.C. Curb/ Wheel Stop per Detail on Sheet 13.	17	EA	\$500.00	\$8,500.00
21	Concrete Interlocking Pavers for Crosswalks, 3 1/8-inch Thick (4" x 8", 6" x 12" & 12" x 12")	2,812	SF	\$30.00	\$84,360.00
22	Enhancing Stabilizing Sealer for Pavers (90 SF/ GAL)	32	GAL	\$250.00	\$8,000.00
				<b>SUBTOTAL:</b>	<b>\$745,118</b>
<b>TRAFFIC IMPROVEMENTS</b>					

No.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
23	Striping in Paint Including Red and Yellow Paint on Curb & Median, Parking Stall, Disabled Parking in Blue, Removal of Existing	7,140	LF	\$3.00	\$21,420.00
24	Striping in Thermoplastic (Limit Line, Legends, Disabled legend) - Including Removal of Existing	1,140	SF	\$6.00	\$6,840.00
25	Furnish and Install Signs on New Posts and Foundations (One (1) Sign Per Post)	9	EA	\$370.00	\$3,330.00
26	Furnish and Install Signs on New Posts and Foundations (Two (2) Signs Per Post)	8	EA	\$450.00	\$3,600.00
27	Relocate Existing Parking Directional Signs with New Foundation	2	EA	\$470.00	\$940.00
28	Remove and Deliver Existing Street Light Standard to PWC Yard	6	EA	\$1,000.00	\$6,000.00
29	Remove and Deliver Existing Double Pedestrian Ornamental Light to PWC Yard	3	EA	\$1,000.00	\$3,000.00
30	Traffic Signal Modifications	1	LS	\$40,000.00	\$40,000.00
31	Replace Existing Traffic Signal Pull Box	13	EA	\$700.00	\$9,100.00
32	Replace Exist. Street Light Pull Box	1	EA	\$700.00	\$700.00
				<b>SUBTOTAL:</b>	<b>\$94,930</b>
<b>DRAINAGE IMPROVEMENTS</b>					
33	Curb Inlet, L=5-feet per SDRSD D1 Type A	2	EA	\$7,000.00	\$14,000.00
34	Curb Inlet, L=5-feet per SDRSD D1 Type B	2	EA	\$7,000.00	\$14,000.00
35	Storm Drain Cleanout per SDRSD D-9 Type A4	1	EA	\$7,000.00	\$7,000.00
36	Storm Drain Cleanout per SDRSD D-9 Type A9 Mod.	1	EA	\$8,000.00	\$8,000.00
37	Convert Exist. Inlet into Cleanout Per SDRSD d-9 Type A	1	EA	\$6,000.00	\$6,000.00
38	Remove Top 18 inch of Exist. Cleanout, Cap with 6-inch Concrete Reinforced with #4 Bars @ 8" both ways	1	EA	\$6,000.00	\$6,000.00
39	PVC Drainage Pipe 18-inch Including Concrete Encasement	36	LF	\$130.00	\$4,680.00
40	PVC Drainage Pipe 20-inch Including Concrete Encasement	254	LF	\$140.00	\$35,560.00
41	P.V.C. Pipe, 4-Inch	165	LF	\$30.00	\$4,950.00
42	P.V.C. Pipe, 4-Inch Perforated	440	LF	\$35.00	\$15,400.00
43	Roof Drain Outlet Boxes with P.C.C. Water Lid	5	EA	\$800.00	\$4,000.00
44	Sidewalk Underdrain Pipe per SDRSD D-27	26	EA	\$210.00	\$5,460.00
45	Bio-filtration Unit	1	EA	\$30,000.00	\$30,000.00
46	Tree Well Filtration Unit	26	EA	\$6,000.00	\$156,000.00
				<b>SUBTOTAL:</b>	<b>\$311,050</b>
<b>UTILITIES</b>					
47	Adjustment of Sewer Cleanout	32	EA	\$600.00	\$19,200.00
48	Water Facilities Relocation/Adjustment	1	LS	\$145,000.00	\$145,000.00
				<b>SUBTOTAL:</b>	<b>\$164,200</b>
<b>LANDSCAPE, LIGHTING, DECORATIVE IMPROVEMENTS</b>					
49	Planting, Irrigation, and Furniture Elements	1	LS	\$456,020.00	\$456,020.00
50	Electrical (From "E" Street North of "F" St)	1	LS	\$859,699.00	\$859,699.00

No.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
51	Tree Trimming of Existing Trees, Including Removal and Re-installation of Any Holiday Lights, Décor, Straps and Signs.	20	EA	\$800.00	\$16,000.00
52	Painting of Existing Ornamental Lights (Single & Double), Including Preparation, Removal and Re-installation of Any Holiday Lights, Flag holder, Décor, Straps, Signs.	33	EA	\$800.00	\$26,400.00
53	Adjust to Grade Existing Ornamental Lights, Including Any Bolt Extention	33	EA	\$1,600.00	\$52,800.00
54	Replace Existing Single Ornamental Light Bulb with 58Watts Induction Lamp	33	EA	\$1,300.00	\$42,900.00
55	Salvage Existing Historic Signs, Dispose Post	2	EA	\$1,000.00	\$2,000.00
56	Replace Existing Flagpole Holder	19	EA	\$575.00	\$10,925.00
57	Furnish & Install Pedestrian Gateway Sign (A)	2	EA	\$50,000.00	\$100,000.00
58	Furnish & Install Vehicular Directional Signs ( C )	4	EA	\$8,000.00	\$32,000.00
59	Furnish & Install Mast Arm Directional Sign (D)	1	EA	\$4,000.00	\$4,000.00
60	Furnish & Install Parking Directional Sign (E)	6	EA	\$10,000.00	\$60,000.00
61	Furnish & Install Scooter Parking Sign	1	EA	\$6,000.00	\$6,000.00
				<b>Subtotal:</b>	<b>\$1,668,744</b>
<b>MISCELLANEOUS</b>					
62	Furnish and Install Parking Meter Posts Including painting	2	EA	\$1,000.00	\$2,000.00
63	Relocate Existing Parking Meters, Including painting	3	EA	\$650.00	\$1,950.00
64	Painting of Existing Parking Meter post/ pole	64	EA	\$200.00	\$12,800.00
65	Salvage Existing Parking Meters Dispose Exist. Posts	2	EA	\$350.00	\$700.00
66	Removal and Disposal of Existing Improvements	1	LS	\$220,000.00	\$220,000.00
67	Road Construction and Trans Net Signs	4	EA	\$1,000.00	\$4,000.00
68	Environmental Biological Survey Consultant Services	1	LS	\$11,000.00	\$11,000.00
69	Public Convenience and Safety (Traffic Control)	1	LS	\$190,000.00	\$190,000.00
				<b>Subtotal:</b>	<b>\$442,450</b>
				<b>CONSTRUCTION SUBTOTAL:</b>	<b>\$ 3,686,246</b>
	<b>CONTINGENCIES</b>	<b>12.0</b>	<b>%</b>	<b>\$3,686,246.00</b>	<b>\$ 442,350</b>
	<b>TOTAL CONSTRUCTION COST:</b>				<b>\$ 4,128,596</b>
	<b>CONSTRUCTION INSPECTION (STAFF COSTS)</b>	<b>7.0</b>	<b>%</b>	<b>\$3,686,246.00</b>	<b>\$ 258,037</b>
	<b>SURVEY WORK (STAFF COSTS- CONSTRUCTION STAKING)</b>	<b>3.0</b>	<b>%</b>	<b>\$3,686,246.00</b>	<b>\$ 110,587</b>
	<b>OTHER (SOIL TESTING, ENVIRONMENTAL STUDIES)</b>	<b>2.0</b>	<b>%</b>	<b>\$3,686,246.00</b>	<b>\$ 73,725</b>
	<b>DESIGN (STAFF COSTS)</b>	<b>2.5</b>	<b>%</b>	<b>\$3,686,246.00</b>	<b>\$ 92,156</b>
	<b>LANDSCAPE (STAFF COSTS)</b>	<b>1.0</b>	<b>%</b>	<b>\$3,686,246.00</b>	<b>\$ 36,862</b>
				<b>GRAND TOTAL:</b>	<b>\$ 4,699,964</b>