

Detailed Engineer's Estimate and Total Project Costs										
Project Information:										
Agency: City of Alameda		Project Description: Central Avenue Complete Street Project				Date: 1-Jun-16				
Project Location: Central Avenue between Main St/Pacific Ave and Sherman St/Encinal Ave		Project Location: Central Avenue between Main St/Pacific Ave and Sherman St/Encinal Ave				License #: 48095				
Engineer: Shahram Aghamir		Engineer: Shahram Aghamir				License #: 48095				
Engineer's Estimate and Cost Breakdown:										
Engineer's Estimate (for Construction Items Only)						Cost Breakdown				
Item No.	Item	Quantity	Units	Unit Cost	Total Item Cost	CIP 2018		Local Match		
						%	\$	%	\$	
<b>General Overhead-Related Construction Items</b>										
1	Mobilization	1	LS	\$80,000.00	\$80,000	89%	\$70,824	11%	\$9,176	
2	Project Coordination	1	LS	\$5,000.00	\$5,000	89%	\$4,427	11%	\$574	
3	Traffic Control	1	LS	\$180,000.00	\$180,000	89%	\$159,354	11%	\$20,646	
4	EBMUD Permits	1	LS	\$50,000.00	\$50,000	89%	\$44,265	11%	\$5,735	
5	Storm Water Pollution Prevention Plan	1	LS	\$30,000.00	\$30,000	89%	\$26,559	11%	\$3,441	
6	Clearing and Grubbing	1	LS	\$25,000.00	\$25,000	89%	\$22,133	11%	\$2,868	
7	Project Funding Identification Signs	4	EA	\$1,000.00	\$4,000	89%	\$3,541	11%	\$459	
8	Fiber Rolls / Erosion Control Blanket	1000	LF	\$3.00	\$3,000	89%	\$2,656	11%	\$344	
<b>Removal, Excavation, and Import Related Construction Items</b>										
9	Demolish Existing Street (Ala Pt Seg #1)	40000	SF	\$12.00	\$480,000	89%	\$424,944	11%	\$55,056	
10	Grading (Ala Pt Segment #1)	5000	CY	\$10.00	\$50,000	89%	\$44,265	11%	\$5,735	
11	Fine Grading (Ala Pt Segment #1)	75000	SF	\$1.00	\$75,000	89%	\$66,398	11%	\$8,603	
12	Sewer Existing Pavement (Ala Pt Seg#1)	300	LF	\$4.00	\$1,200	89%	\$1,062	11%	\$138	
13	Tree Removal (Ala Pt Segment #1)	4	EA	\$2,000.00	\$8,000	89%	\$7,082	11%	\$918	
14	Testing and Hauling	3000	CY	\$200.00	\$600,000	89%	\$531,180	11%	\$68,820	
15	Stockpile, Off Haul & Disposal (Ala Pt)	200	ton	\$100.00	\$20,000	89%	\$17,706	11%	\$2,294	
<b>Roadway Paving Items</b>										
16	5" AC (Ala Pt Segment #1)	42000	SF	\$6.00	\$252,000	89%	\$223,096	11%	\$28,904	
17	22" AB (assume on-site re-use)	3875	ton	\$40.00	\$155,000	89%	\$137,222	11%	\$17,779	
18	2" AC Overlay Existing Pavement	15000	SF	\$2.00	\$30,000	89%	\$26,559	11%	\$3,441	
19	Pavement Base Repair	1	LS	\$50,000.00	\$50,000	89%	\$44,265	11%	\$5,735	
20	Porfoling	1	LS	\$50,000.00	\$50,000	89%	\$44,265	11%	\$5,735	
21	Subgrade Fabric	42000	SF	\$0.35	\$14,700	89%	\$13,014	11%	\$1,686	
22	Pavement Sealant	52000	SF	\$0.05	\$2,600	89%	\$2,302	11%	\$298	
23	Slurry Seal (segments #1-4)	240600	SF	\$0.30	\$72,180	89%	\$63,901	11%	\$8,279	
24	Asphalt: 2" Grind and Overlay (W-Str#5)	90300	SF	\$5.50	\$496,650	89%	\$439,684	11%	\$56,966	
25	Asphalt: 2" Grind and Overlay (RthStr#6)	165900	SF	\$5.50	\$912,450	89%	\$807,792	11%	\$104,658	
<b>Sidewalks, Cycle Tracks, Concrete, Plazas, Bike Racks, etc</b>										
<b>Segment #1 - Alameda Point (Pacific Ave/Main St to Lincoln Ave)</b>										
26	Curb and Gutter (SW Sidewalk)	915	LF	\$40.00	\$36,600	89%	\$32,402	11%	\$4,198	
27	Curb and Gutter (Median)	1824	LF	\$40.00	\$72,960	89%	\$64,591	11%	\$8,369	
28	Curb and Gutter (Bus Island)	200	LF	\$40.00	\$8,000	89%	\$7,082	11%	\$918	
29	Decomposed Granite (Running Path)	4000	SF	\$8.00	\$32,000	89%	\$28,330	11%	\$3,670	
30	Head Board (Path)	2000	LF	\$8.00	\$16,000	89%	\$14,165	11%	\$1,835	
31	Multi-Use Trail (SW Sidewalk Area)	8100	SF	\$12.00	\$97,200	89%	\$86,051	11%	\$11,149	
32	Sidewalk (Pacific/Main)	5000	SF	\$15.00	\$75,000	89%	\$66,398	11%	\$8,603	
33	Local Storm Drain	850	LF	\$160.00	\$136,000	89%	\$120,401	11%	\$15,599	
34	Storm Drain Catch Basins	6	EA	\$4,000.00	\$24,000	89%	\$21,247	11%	\$2,753	
35	Driveway/Frontage Modifications	17	EA	\$15,000.00	\$255,000	89%	\$225,752	11%	\$29,249	
36	Concrete Bus Island Paving	557	SF	\$12.00	\$6,684	89%	\$5,917	11%	\$767	
37	Bus Stop Improvements	2	EA	\$5,000.00	\$10,000	89%	\$8,853	11%	\$1,147	
38	Bike Racks	15	EA	\$500.00	\$7,500	89%	\$6,640	11%	\$860	
<b>Segment #2 - Encinal High School (Lincoln Ave to east of Third St)</b>										
39	Curb and Gutter (S Sidewalk)	1750	LF	\$40.00	\$70,000	89%	\$61,971	11%	\$8,029	
40	Concrete Sidewalk (S Sidewalk)	5650	SF	\$15.00	\$84,750	89%	\$75,029	11%	\$9,721	
41	Cycletrack Paving (S Sidewalk)	8750	SF	\$8.00	\$70,000	89%	\$61,971	11%	\$8,029	
42	Encinal High School Welcome Plaza	710	SF	\$15.00	\$10,650	89%	\$9,428	11%	\$1,222	
43	Encinal HS Driveway Modifications	600	SF	\$36.00	\$21,600	89%	\$19,122	11%	\$2,478	
44	Bike Racks	15	EA	\$500.00	\$7,500	89%	\$6,640	11%	\$860	
<b>Segment #3 - Paden School Area (east of Third St to east of Fifth St)</b>										
45	Curb and Gutter (Fourth)	464	LF	\$40.00	\$18,560	89%	\$16,431	11%	\$2,129	
46	Curb and Gutter (Island: Midblock)	109	LF	\$40.00	\$4,360	89%	\$3,860	11%	\$500	
47	Curb and Gutter (Island: Fifth)	165	LF	\$40.00	\$6,600	89%	\$5,843	11%	\$757	
48	Concrete Sidewalk (Fourth)	237	SF	\$15.00	\$3,555	89%	\$3,097	11%	\$458	
49	Concrete SW (Island: Midblock)	268	SF	\$15.00	\$4,020	89%	\$3,559	11%	\$461	
50	Concrete SW (Island: Fifth)	759	SF	\$15.00	\$11,385	89%	\$10,079	11%	\$1,306	
51	Sidewalk Rehabilitation	1	LS	\$20,000.00	\$20,000	89%	\$17,706	11%	\$2,294	
52	Bike Racks	15	EA	\$500.00	\$7,500	89%	\$6,640	11%	\$860	
<b>Segment #4 - Bay Trail East of Fifth St to Webster St</b>										
53	Curb and Gutter (Island: Sixth)	120	LF	\$40.00	\$4,800	89%	\$4,249	11%	\$551	
54	Concrete SW (Island: Sixth)	500	SF	\$15.00	\$7,500	89%	\$6,640	11%	\$860	
55	Sidewalk Rehabilitation	1	LS	\$20,000.00	\$20,000	89%	\$17,706	11%	\$2,294	
56	Bike Racks	15	EA	\$500.00	\$7,500	89%	\$6,640	11%	\$860	
<b>Segment #5 - Caltrans ROW (Webster St to east of Eighth St)</b>										
57	Bus Curb Extension	1	LS	\$30,000.00	\$30,000	89%	\$26,559	11%	\$3,441	
58	Bus Stop Improvements	2	EA	\$5,000.00	\$10,000	89%	\$8,853	11%	\$1,147	
59	Sidewalk Rehabilitation	1	LS	\$20,000.00	\$20,000	89%	\$17,706	11%	\$2,294	
60	Bike Racks	15	EA	\$500.00	\$7,500	89%	\$6,640	11%	\$860	
<b>Segment #6 - Caltrans ROW (Eighth St to Sherman St/Encinal Ave)</b>										
61	Curb and Gutter (Sherman/Encinal)	414	LF	\$40.00	\$16,560	89%	\$14,661	11%	\$1,899	
62	Concrete SW (Island: Sherman)	100	SF	\$15.00	\$1,500	89%	\$1,328	11%	\$172	
63	Bus Stop Improvements (Weber)	2	EA	\$5,000.00	\$10,000	89%	\$8,853	11%	\$1,147	
64	Bus Stop Improvements (Bay)	2	EA	\$5,000.00	\$10,000	89%	\$8,853	11%	\$1,147	
65	Sidewalk Rehabilitation	1	LS	\$40,000.00	\$40,000	89%	\$35,412	11%	\$4,588	
66	Bike Racks	10	EA	\$500.00	\$5,000	89%	\$4,427	11%	\$574	
<b>Crosswalk, Roadway Crossing Items and ADA Curb Ramps</b>										
<b>Segment #1 - Alameda Point (Pacific Ave/Main St to Lincoln Ave)</b>										
67	ADA Curb Ramps (Main/Pacific)	4	EA	\$5,000.00	\$20,000	89%	\$17,706	11%	\$2,294	
68	ADA Curb Ramps (Median)	2	EA	\$5,000.00	\$10,000	89%	\$8,853	11%	\$1,147	
69	Standard Crosswalks	700	LF	\$10.00	\$7,000	89%	\$6,197	11%	\$803	
<b>Segment #2 - Encinal High School (Lincoln Ave to east of Third St)</b>										
70	Curb Extensions (Lincoln Ave)	2	EA	\$45,000.00	\$90,000	89%	\$79,677	11%	\$10,323	
71	Curb Extensions (Third Taylor)	4	EA	\$45,000.00	\$180,000	89%	\$159,354	11%	\$20,646	
72	Standard Crosswalks (Lincoln Ave)	80	LF	\$10.00	\$800	89%	\$708	11%	\$92	
73	Ladder Crosswalks (Lincoln Ave)	250	LF	\$16.50	\$4,125	89%	\$3,652	11%	\$473	
74	Ladder Crosswalks (Third Taylor)	1500	LF	\$16.50	\$24,750	89%	\$21,911	11%	\$2,839	
<b>Segment #3 - Paden School Area (east of Third St to east of Fifth St)</b>										
75	Curb Extensions (Fourth)	1	EA	\$45,000.00	\$45,000	89%	\$39,839	11%	\$5,161	
76	Curb Extensions (Paden School)	2	EA	\$45,000.00	\$90,000	89%	\$79,677	11%	\$10,323	
77	Curb Extensions (Fifth)	1	EA	\$45,000.00	\$45,000	89%	\$39,839	11%	\$5,161	
78	ADA Curb Ramps (Fourth)	6	EA	\$5,000.00	\$30,000	89%	\$26,559	11%	\$3,441	
79	ADA Curb Ramps (Fifth)	4	EA	\$5,000.00	\$20,000	89%	\$17,706	11%	\$2,294	
80	Ladder Crosswalks (Fourth)	1300	LF	\$16.50	\$21,450	89%	\$18,990	11%	\$2,460	
81	Ladder Crosswalks (Paden School)	300	LF	\$16.50	\$4,950	89%	\$4,362	11%	\$588	
82	Ladder Crosswalks (Fifth)	800	LF	\$16.50	\$13,200	89%	\$11,686	11%	\$1,514	
<b>Segment #4 - Bay Trail East of Fifth St to Webster St</b>										
83	Curb Extensions (Crown Drive)	2	EA	\$45,000.00	\$90,000	89%	\$79,677	11%	\$10,323	
84	Curb Extensions (Sixth)	2	EA	\$45,000.00	\$90,000	89%	\$79,677	11%	\$10,323	
85	ADA Curb Ramps (McKay)	2	EA	\$5,000.00	\$10,000	89%	\$8,853	11%	\$1,147	
86	Standard Crosswalks (Sixth)	60	LF	\$10.00	\$600	89%	\$531	11%	\$69	
87	Standard Crosswalks (McKay)	200	LF	\$10.00	\$2,000	89%	\$1,771	11%	\$229	
88	Ladder Crosswalks (Crown Drive)	250	LF	\$16.50	\$4,125	89%	\$3,652	11%	\$473	
89	Ladder Crosswalks (Sixth)	250	LF	\$16.50	\$4,125	89%	\$3,652	11%	\$473	
<b>Segment #5 - Caltrans ROW (Webster St to east of Eighth St)</b>										
90	Curb Extensions (Webster)	3	EA	\$45,000.00	\$135,000	89%	\$119,516	11%	\$15,485	
91	Curb Extensions (Page)	2	EA	\$45,000.00	\$90,000	89%	\$79,677	11%	\$10,323	
92	Curb Extensions (Eighth)	1	EA	\$45,000.00	\$45,000	89%	\$39,839	11%	\$5,161	
93	ADA Curb Ramps (Webster)	2	EA	\$5,000.00	\$10,000	89%	\$8,853	11%	\$1,147	
94	ADA Curb Ramps (Eighth)	4	EA	\$5,000.00	\$20,000	89%	\$17,706	11%	\$2,294	
95	Standard Crosswalks (Page)	100	LF	\$10.00	\$1,000	89%	\$885	11%	\$115	
96	Ladder Crosswalks (Webster)	1000	LF	\$16.50	\$16,500	89%	\$14,607	11%	\$1,893	
97	Ladder Crosswalks (Page)	250	LF	\$10.00	\$2,500	89%	\$2,213	11%	\$287	
98	Ladder Crosswalks (Eighth)	1000	LF	\$10.00	\$10,000	89%	\$8,853	11%	\$1,147	
<b>Segment #6 - Caltrans ROW (Eighth St to Sherman St/Encinal Ave)</b>										
99	Curb Extensions (Burbank)	2	EA	\$45,000.00	\$90,000	89%	\$79,677	11%	\$10,323	
100	Curb Extensions (Ninth)	3	EA	\$45,000.00	\$135,000	89%	\$119,516	11%	\$15,485	
101	Curb Extensions (Caroline)	2	EA	\$45,000.00	\$90,000	89%	\$79,677	11%	\$10,323	
102	Curb Extensions (St Charles)	2	EA	\$45,000.00	\$90,000	89%	\$79,677	11%	\$10,323	
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Detailed Engineer's Estimate and Total Project Costs									
Project Information:									
Agency:	City of Alameda			Date:	1-Jun-16				
Project Description:	Central Avenue Complete Street Project								
Project Location:	Central Avenue between Main St/Pacific Ave and Sherman St/Encinal Ave								
Engineer:	Shahram Aghamir			License #:	48095				
106	ADA Curb Ramps (Caroline)	2	EA	\$5,000.00	\$10,000	89%	\$8,853	11%	\$1,147
107	ADA Curb Ramps (St Charles)	4	EA	\$5,000.00	\$20,000	89%	\$17,706	11%	\$2,294
108	ADA Curb Ramps (Bay)	6	EA	\$5,000.00	\$30,000	89%	\$26,559	11%	\$3,441
109	ADA Curb Ramps (Sherman/Encinal)	4	EA	\$5,000.00	\$20,000	89%	\$17,706	11%	\$2,294
110	Standard Crosswalks (Burbank)	100	LF	\$10.00	\$1,000	89%	\$885	11%	\$115
111	Standard Crosswalks (Ninth)	400	LF	\$10.00	\$4,000	89%	\$3,541	11%	\$459
112	Standard Crosswalks (Weber)	80	LF	\$10.00	\$800	89%	\$708	11%	\$92
113	Standard Crosswalks (Caroline)	150	LF	\$10.00	\$1,500	89%	\$1,328	11%	\$172
114	Standard Crosswalks (St. Charles)	300	LF	\$10.00	\$3,000	89%	\$2,656	11%	\$344
115	Standard Crosswalks (Bay)	150	LF	\$10.00	\$1,500	89%	\$1,328	11%	\$172
116	Standard Crosswalks (Sherman/Encinal)	200	LF	\$10.00	\$2,000	89%	\$1,771	11%	\$229
117	Ladder Crosswalks (Weber)	250	LF	\$16.50	\$4,125	89%	\$3,652	11%	\$473
118	Ladder Crosswalks (Caroline)	250	LF	\$16.50	\$4,125	89%	\$3,652	11%	\$473
119	Ladder Crosswalks (Bay)	250	LF	\$16.50	\$4,125	89%	\$3,652	11%	\$473
120	Ladder Crosswalks (Sherman/Encinal)	200	LF	\$16.50	\$3,300	89%	\$2,921	11%	\$379
<b>Striping and Pavement Marking Items</b>									
121	New Striping	1	LS	\$180,000.00	\$180,000	89%	\$159,354	11%	\$20,646
122	Accessible Parking/Signage (Segment #2)	1	EA	\$2,000.00	\$2,000	89%	\$1,771	11%	\$229
123	Accessible Parking/Signage (Segment #3)	1	EA	\$6,000.00	\$6,000	89%	\$5,312	11%	\$688
124	Accessible Parking/Signage (Segment #5)	3	EA	\$6,000.00	\$18,000	89%	\$15,935	11%	\$2,065
125	Accessible Parking/Signage (Segment #6)	1	EA	\$6,000.00	\$6,000	89%	\$5,312	11%	\$688
<b>Signs, Flashing Beacons, Ped Signals, Signal Upgrades</b>									
126	Replace Mast Arm Controller (Pac/Main)	1	LS	\$250,000.00	\$250,000	89%	\$221,325	11%	\$28,675
127	Rectangular Rapid Fire Beacon (Lincoln)	1	LS	\$70,000.00	\$70,000	89%	\$61,971	11%	\$8,029
128	New Traffic Signal (Encinal High School)	1	LS	\$400,000.00	\$400,000	89%	\$354,120	11%	\$45,880
129	Traffic Signal Bike Phasing (Fourth)	1	LS	\$100,000.00	\$100,000	89%	\$88,530	11%	\$11,470
130	Rectangular Rapid Fire Beacon (Paden)	1	LS	\$70,000.00	\$70,000	89%	\$61,971	11%	\$8,029
131	New Traffic Signal (Fifth)	1	LS	\$300,000.00	\$300,000	89%	\$265,590	11%	\$34,410
132	Rectangular Rapid Fire Beacon (Crown)	1	LS	\$70,000.00	\$70,000	89%	\$61,971	11%	\$8,029
133	Signal Timing Modification (Webster)	1	LS	\$20,000.00	\$20,000	89%	\$17,706	11%	\$2,294
134	Rectangular Rapid Fire Beacon (Page)	1	LS	\$70,000.00	\$70,000	89%	\$61,971	11%	\$8,029
135	Signal Timing Modification (Eighth)	1	LS	\$20,000.00	\$20,000	89%	\$17,706	11%	\$2,294
136	Rectangular Rapid Fire Beacon (Caroline)	1	LS	\$70,000.00	\$70,000	89%	\$61,971	11%	\$8,029
137	Signal Timing Modification (Sherman)	1	LS	\$20,000.00	\$20,000	89%	\$17,706	11%	\$2,294
138	Traffic Signage (Ala Pt Segment #1)	10	EA	\$500.00	\$5,000	89%	\$4,427	11%	\$574
139	Traffic Signage (Encinal HS Segment #2)	5	EA	\$500.00	\$2,500	89%	\$2,213	11%	\$287
140	Traffic Signage (Paden Schl Segment #3)	5	EA	\$500.00	\$2,500	89%	\$2,213	11%	\$287
141	Traffic Signage (Trail-Web. Segment #4)	5	EA	\$500.00	\$2,500	89%	\$2,213	11%	\$287
142	Traffic Signage (Web-8th Segment #5)	5	EA	\$500.00	\$2,500	89%	\$2,213	11%	\$287
143	Traffic Signage (8th-Sher. Segment #6)	5	EA	\$500.00	\$2,500	89%	\$2,213	11%	\$287
144	Wayfinding/Ped Signage (Segment #1)	15	EA	\$500.00	\$7,500	89%	\$6,640	11%	\$860
145	Wayfinding/Ped Signage (Segment #2)	10	EA	\$500.00	\$5,000	89%	\$4,427	11%	\$574
146	Wayfinding/Ped Signage (Segment #3)	10	EA	\$500.00	\$5,000	89%	\$4,427	11%	\$574
147	Wayfinding/Ped Signage (Segment #4)	10	EA	\$500.00	\$5,000	89%	\$4,427	11%	\$574
148	Wayfinding/Ped Signage (Segment #5)	10	EA	\$500.00	\$5,000	89%	\$4,427	11%	\$574
149	Wayfinding/Ped Signage (Segment #6)	10	EA	\$500.00	\$5,000	89%	\$4,427	11%	\$574
150	Marquee Relocation (Encinal HS)	1	EA	\$10,000.00	\$10,000	89%	\$8,853	11%	\$1,147
<b>Lighting</b>									
151	Street Light Upgrades (Pacific/Main)	2	LS	\$10,000.00	\$20,000	89%	\$17,706	11%	\$2,294
152	Street Light Upgrades (Lincoln)	2	LS	\$10,000.00	\$20,000	89%	\$17,706	11%	\$2,294
153	Street Light Upgrades (Third/Taylor)	4	LS	\$10,000.00	\$40,000	89%	\$35,412	11%	\$4,588
154	Street Light Upgrades (Fourth)	5	LS	\$10,000.00	\$50,000	89%	\$44,265	11%	\$5,735
155	Street Light Upgrades (Paden)	2	LS	\$10,000.00	\$20,000	89%	\$17,706	11%	\$2,294
156	Street Light Upgrades (Fifth)	4	LS	\$10,000.00	\$40,000	89%	\$35,412	11%	\$4,588
157	Street Light Upgrades (Crown)	2	LS	\$10,000.00	\$20,000	89%	\$17,706	11%	\$2,294
158	Street Light Upgrades (Sixth)	2	LS	\$10,000.00	\$20,000	89%	\$17,706	11%	\$2,294
159	Street Light Upgrades (Eighth)	4	LS	\$10,000.00	\$40,000	89%	\$35,412	11%	\$4,588
160	Street Light Upgrades (Ninth)	4	LS	\$10,000.00	\$40,000	89%	\$35,412	11%	\$4,588
161	Street Light Upgrades (Weber)	2	LS	\$10,000.00	\$20,000	89%	\$17,706	11%	\$2,294
162	Street Light Upgrades (Caroline)	2	LS	\$10,000.00	\$20,000	89%	\$17,706	11%	\$2,294
163	Street Light Upgrades (St Charles)	2	LS	\$10,000.00	\$20,000	89%	\$17,706	11%	\$2,294
164	Street Light Upgrades (Bay)	2	LS	\$10,000.00	\$20,000	89%	\$17,706	11%	\$2,294
165	Street Light Upgrades (Sherman/Encinal)	4	LS	\$10,000.00	\$40,000	89%	\$35,412	11%	\$4,588
<b>Decorative &amp; Landscaping-related Items</b>									
<b>Segment #1 - Alameda Point (Pacific Ave/Main St to Lincoln Ave)</b>									
166	St. Tree/Tree Well (NE Sidewalk)	13	EA	\$1,000.00	\$13,000	89%	\$11,509	11%	\$1,491
167	St. Tree/Tree Well (SW Sidewalk)	13	EA	\$1,000.00	\$13,000	89%	\$11,509	11%	\$1,491
168	St. Tree/Tree Well (Median)	17	EA	\$1,000.00	\$17,000	89%	\$15,050	11%	\$1,950
169	Planting Area/Irrigation (SW Sidewalk)	3600	SF	\$15.00	\$54,000	89%	\$47,806	11%	\$6,194
170	Planting Area/Irrigation (Median)	25933	SF	\$15.00	\$388,995	89%	\$344,377	11%	\$44,618
171	Gateway Feature (Pacific/Main)	1	EA	\$20,000.00	\$20,000	89%	\$17,706	11%	\$2,294
172	Biofiltration Areas (Median)	3500	SF	\$15.00	\$52,500	89%	\$46,478	11%	\$6,022
173	New EDMUD Water Meter (Median)	1	LS	\$30,000.00	\$30,000	89%	\$26,559	11%	\$3,441
<b>Segment #2 - Encinal High School (Lincoln Ave to east of Third St)</b>									
174	St. Tree, Well & Grate (N SW)	12	EA	\$2,000.00	\$24,000	89%	\$21,247	11%	\$2,753
175	St. Tree, Well & Grate (S SW)	3	EA	\$2,000.00	\$6,000	89%	\$5,312	11%	\$688
176	Biofiltration Areas (Lincoln Ave)	443	SF	\$15.00	\$6,645	89%	\$5,883	11%	\$762
177	Biofiltration Areas (Third/Taylor)	1033	SF	\$15.00	\$15,495	89%	\$13,718	11%	\$1,777
<b>Segment #3 - Paden School Area (east of Third St to east of Fifth St)</b>									
178	St. Tree, Well & Grate (Fourth)	3	EA	\$2,000.00	\$6,000	89%	\$5,312	11%	\$688
179	St. Tree/Tree Well (Fourth)	4	EA	\$1,000.00	\$4,000	89%	\$3,541	11%	\$459
180	St. Tree/Tree Well (Fifth)	1	EA	\$1,000.00	\$1,000	89%	\$885	11%	\$115
181	St. Tree/Tree Well (Other)	10	EA	\$1,000.00	\$10,000	89%	\$8,853	11%	\$1,147
182	Biofiltration Areas (Fourth)	1339	SF	\$15.00	\$20,085	89%	\$17,781	11%	\$2,304
<b>Segment #4 - Bay Trail East of Fifth St to Webster St</b>									
183	St. Tree/Tree Well	10	EA	\$1,000.00	\$10,000	89%	\$8,853	11%	\$1,147
184	Biofiltration Areas	239	SF	\$15.00	\$3,585	89%	\$3,174	11%	\$411
<b>Segment #5 - Caltrans ROW (Webster St to east of Eighth St)</b>									
185	St. Tree/Tree Well	10	EA	\$1,000.00	\$10,000	89%	\$8,853	11%	\$1,147
<b>Segment #6 - Caltrans ROW (Eighth St to Sherman St/Encinal Ave)</b>									
186	Planting Area (Sherman/Encinal)	1227	SF	\$15.00	\$18,405	89%	\$16,294	11%	\$2,111
187	Gateway Feature (Sherman/Encinal)	1	EA	\$20,000.00	\$20,000	89%	\$17,706	11%	\$2,294
188	St. Tree/Tree Well	10	EA	\$1,000.00	\$10,000	89%	\$8,853	11%	\$1,147
				<b>Subtotal of Construction Items:</b>	<b>\$9,649,374</b>		<b>\$8,542,591</b>		<b>\$1,106,783</b>
<b>Construction Item Contingencies (% of Construction Items):</b>				<b>10.00%</b>	\$964,937		\$854,259		\$110,678
<b>Total (Construction Items &amp; Contingencies) cost:</b>					<b>\$10,614,311</b>		<b>\$9,396,850</b>		<b>\$1,217,462</b>
<b>Project Delivery Costs:</b>									
<b>Type of Project Cost</b>		<b>Cost \$</b>							
<b>Preliminary Engineering (PE)</b>									
Environmental Studies and Permits(PA&E):		3		300,000		\$265,590	\$34,410		
Plans, Specifications and Estimates (PS&E):		3		500,000		\$442,650	\$57,350		
<b>Total PE:</b>				<b>800,000</b>		<b>\$708,240</b>	<b>\$91,760</b>		<b>PE costs / CON costs 8% 25% Max</b>
<b>Construction Engineering (CE)</b>									
Construction Engineering (CE):		3		800,000		\$708,240	\$91,760		<b>CE costs / CON costs 8% 15% Max</b>
<b>Total Project Delivery:</b>				<b>\$1,600,000</b>		<b>\$1,416,480</b>	<b>\$183,520</b>		
<b>Total Construction Costs:</b>				<b>\$11,414,311</b>					
<b>Total Project Cost:</b>				<b>\$12,214,311</b>		<b>\$10,813,330</b>	<b>\$1,400,982</b>		