

I Street Bridge Replacement Project			
Engineer's Estimate - 100% PS&E			
ITEM			
NO.	DESCRIPTION	UNIT	QUANTITY
1	LEAD COMPLIANCE PLAN	LS	1
2	LEVEL 2 CRITICAL PATH METHOD SCHEDULE	LS	1
3	DEVELOP WATER SUPPLY	LS	1
4	CONSTRUCTION AREAS SIGNS	LS	1
5	TRAFFIC CONTROL SYSTEM	LS	1
6	TEMPORARY PAVEMENT MARKING (PAINT)	SF	125
7	TEMPORARY TRAFFIC STRIPE (PAINT)	LF	2,665
8	CHANNELIZER (SURFACE MOUNTED)	EA	54
9	PORTABLE CHANGEABLE MESSAGE SIGN (EA)	EA	3
10	TEMPORARY RAILING (TYPE K)	LF	360
11	TEMPORARY CRASH CUSHION MODULE	EA	1
12	JOB SITE MANAGEMENT	LS	1
13	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	1
14	RAIN EVENT ACTION PLAN	EA	73
15	STORM WATER SAMPLING AND ANALYSIS DAY	EA	48
16	STORM WATER ANNUAL REPORT	EA	4
17	PREPARE WATER POLLUTION CONTROL PROGRAM	LS	1
18	REMOVE CONCRETE (SQYD)	SY	4,110
19	CLEARING AND GRUBBING (LS)	LS	1
20	REMOVE TREE	EA	99
21	ROADWAY EXCAVATION	CY	10,980
22	STRUCTURE EXCAVATION (RETAINING WALL)	CY	5,275
23	STRUCTURE BACKFILL (RETAINING WALL)	CY	5,700
24	IMPORTED BORROW (CY)	CY	30,420
25	DECOMPOSED GRANITE	SF	7,010
26	CLASS 2 AGGREGATE BASE (CY)	CY	6,610
27	HOT MIX ASPHALT (TYPE A)	TON	7,330
28	PLACE HOT MIX ASPHALT DIKE (TYPE E)	LF	1,130
29	COLD PLANE ASPHALT CONCRETE PAVEMENT	SY	12,630
30	STRUCTURAL CONCRETE (RETAINING WALL)	CY	1,195
31	BAR REINFORCING STEEL (RETAINING WALL)	LB	106,000
32	REMOVE RETAINING WALL (LF)	SF	2,330
33	BRIDGE REMOVAL	LS	1
34	12" REINFORCED CONCRETE PIPE	LF	600
35	15" REINFORCED CONCRETE PIPE	LF	415
36	18" REINFORCED CONCRETE PIPE	LF	900
37	GRATED LINE DRAIN	LF	50
38	DRAINAGE INLET	EA	10
39	RELOCATE WATER TOWER	LS	1
40	REMOVE PIPE (LF)	LF	217
41	REMOVE INLET	EA	9
42	RESET INLET	EA	2
43	ADJUST MANHOLE TO GRADE	EA	2
44	ROCK SLOPE PROTECTION (BACKING NO. 1, METHOD B)	CY	1,140
45	MINOR CONCRETE (CURB) (CY)	CY	40
46	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	CY	30
47	MINOR CONCRETE (CURB & GUTTER)	CY	275
48	MINOR CONCRETE (DRIVEWAY)	CY	125
49	MINOR CONCRETE (SIDEWALK)	CY	245
50	MINOR CONCRETE (TEXTURED PAVING)	CY	10
51	MINOR CONCRETE (CURB RAMP)	CY	40
52	MANHOLE FRAME AND COVER	EA	15
53	TEMPORARY FENCE	LF	1,170
54	CHAIN LINK FENCE (TYPE CL-6)	LF	530
55	REMOVE MANHOLE	EA	1
56	REMOVE FENCE	LF	2,410
57	REMOVE ROADSIDE SIGN	EA	54
58	REMOVE SIGN FROM SIGN FRAME	EA	14
59	RELOCATE ROADSIDE SIGN	EA	36
60	ROADSIDE SIGNS - ONE POST	EA	20
61	OVERHEAD SIGNS	EA	11
62	ADJUST WATER FEATURE TO GRADE	EA	21
63	ADJUST WATER BOX TO GRADE		2
64	ADJUST EXISTING SEWER MANHOLE TO GRADE	EA	14
65	INSTALL NEW FIRE HYDRANT	EA	1
66	REMOVE FIRE HYDRANT	EA	2
67	REMOVE GUARDRAIL	LF	125
68	REMOVE RAILING	LF	930
69	REMOVE RAILING (TYPE K)	LF	470
70	8" THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)	LF	21,705
71	8" THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)	LF	2,225
72	GREEN THERMOPLASTIC PAVEMENT MARKING (BIKE LANE TREATMENT)	SF	21,150
73	THERMOPLASTIC PAVEMENT MARKING (ENHANCED WET NIGHT VISIBILITY)	SF	4,995
74	PAVEMENT MARKER (REROREFLECTIVE)	EA	405
75	LIGHTING (CITY STREET)	LS	1
76	PATHWAY LIGHTING	LS	1
77	TRAFFIC SIGNAL MODIFICATION - RAILYARDS BLVD/ BERCUT DR	LS	1
78	TRAFFIC SIGNAL MODIFICATION - RAILYARDS BLVD/ JIBBOOM ST	LS	1

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79	TRAFFIC SIGNAL MODIFICATION - C ST/ 3RD ST	LS	1
80	TRAFFIC SIGNAL MODIFICATION - C ST/ 5TH ST	LS	1
81	TRAFFIC SIGNAL REMOVAL - EXISTING I ST BRIDGE/ JIBBOOM ST	LS	1
82	BRIDGE-UP ADVANCE WARNING SIGNS	LS	1
83	TRAFFIC SIGNAL INTERCONNECT	LS	1
84	ELECTRICAL SERVICE CONNECTION	EA	2
85	PROTECTIVE RAILING	LF	800
86	METAL GATE	EA	1
87	METAL FENCE	LF	430
88	CONCRETE RAILING ABUTMENT	EA	4
89	INFORMATION KIOSKS AND WAYFINDING SIGNAGE	LS	1
90	LIGHTED BOLLARDS	EA	32
91	RIVER ROCK MULCH	SF	2,950
92	RELOCATED EXISTING MONUMENT	LS	1
93	DECORATIVE POST-TOP LUMINAIRE	EA	27
94	BENCH	EA	7
95	CONTROLLER (PEDESTAL MOUNTED)	EA	1
96	CONTROLLER (WALL MOUNTED)	EA	1
97	BOOSTER PUMP - SACRAMENTO	EA	1
98	IRRIGATION SYSTEM	LS	1
99	TREES, 24" BOX	EA	21
100	TREES, 15 GAL	EA	18
101	SHRUB, 5 GAL	EA	96
102	SHRUB AND GROUNDCOVER 1 GAL	EA	1,003
103	VINES 5 GAL	EA	7
104	HYDROSEED TYPE 1 (NATIVE GRASS MIX)	SF	76,860
105	HYDROSEED TYPE 2 (WILDFLOWER MIX)	SF	48,360
106	SOIL TESTING	EA	2
107	ROOT BARRIER	LF	300
108	BARK MULCH (3" DEEP)	SF	17,200
109	AMENDED IMPORT TOPSOIL (24" DEEP)	CY	610
110	LANDSCAPE MAINTENANCE, 180 DAYS	LS	1
111	CABLE RAILING	LF	480
112	TRASH AND RECYCLING RECEPTACLES	EA	6
113	LEVEE CUT OFF WALL	LF	315
114	OPERATOR HOUSE	LS	1
115	BRIDGE AESTHETIC LIGHTING	LS	1
116	STRUCTURE EXCAVATION (BRIDGE)	CY	1,155
117	STRUCTURE EXCAVATION (RETAINING WALL)	CY	319
118	STRUCTURE BACKFILL (BRIDGE)	CY	180
119	STRUCTURE BACKFILL (RETAINING WALL)	CY	335
120	108" PERMANENT STEEL CASING INSTALLATION ONLY	LF	348
121	120" PERMANENT STEEL CASING INSTALLATION ONLY	LF	900
122	96" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	1,014
123	108" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	900
124	PRESTRESSING CAST-IN-PLACE CONCRETE (STRAND)	LS	2
125	PRESTRESSING CAST-IN-PLACE CONCRETE (BAR)	LS	1
126	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	975
127	STRUCTURAL CONCRETE, BRIDGE	CY	3,838
128	STRUCTURAL CONCRETE, BRIDGE (POLYMER FIBER)	CY	1,376
129	STRUCTURAL CONCRETE, RETAINING WALL	CY	115
130	JOINT SEAL (MR 2")	LF	225
131	BAR REINFORCING STEEL (BRIDGE)	LB	2,977,946
132	BAR REINFORCING STEEL (RETAINING WALL)	LB	7,210
133	HEADED BAR REINFORCEMENT	EA	2,842
134	12" WELDED STEEL PIPE CASING (BRIDGE)	LF	101
135	MISCELLANEOUS METAL (BRIDGE)	LB	1,572
136	BRIDGE DECK DRAINAGE SYSTEM	LB	21,911
137	TRAFFIC BOLLARD SYSTEM	LS	1
138	CONCRETE BARRIER (TYPE C221)	LF	775
139	CALIFORNIA ST-75 BRIDGE RAIL	LF	148
140	PEDESTRIAN RAILING	LF	1,154
141	TRAFFIC WARNING GATE MONUMENT	EA	4
142	MOVEABLE BRIDGE PROJECT COORDINATOR	LS	1
143	COFFERDAMS	LS	1
144	ALUMINUM GRATING	SF	6,076
145	EXODERMIC BRIDGE DECK	LS	1
146	144" PERMANENT STEEL CASING	LF	180
147	144" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	1,860
148	SEAL COURSE CONCRETE	CY	3,714
149	ISOLATION BEARING	EA	4
150	CENTERING DEVICE	EA	2
151	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	5,120
152	STRUCTURAL CONCRETE, BRIDGE	CY	7,210
153	BAR REINFORCING STEEL (EPOXY COATED) (BRIDGE)	LB	2,876,400
154	HANGER ASSEMBLIES	LS	1
155	TOWER ACCESS SYSTEM	LS	1
156	KNUCKLE COVER	SF	2,529

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157	FURNISH STRUCTURAL STEEL (BRIDGE)	LB	4,286,078
158	ERECT STRUCTURAL STEEL (BRIDGE)	LB	4,286,078
159	FENDER RUBBING STRIPS	MFBM	29
160	MISCELLANEOUS METAL (BRIDGE)	LB	69,010
161	CANOPIES	SF	1,472
162	COUNTERWEIGHTS	EA	4
163	BALANCE BLOCKS	EA	4,384
164	MOVABLE BRIDGE OPERATING MACHINERY	LS	1
165	MOVABLE BRIDGE COUNTERWEIGHT ROPES AND OPERATING ROPES	LS	1
166	MOVABLE BRIDGE ELECTRICAL AND CONTROL SYSTEM	LS	1
167	PIER OVERHEAD CRANE	EA	3
168	PIER JIB CRANE	EA	9
169	PREPARE AND PAINT CONCRETE	SF	75,600
170	CALIFORNIA ST-75 BRIDGE RAIL (MODIFIED)	LF	638
171	PEDESTRIAN RAILING	LF	568
172	MOBILIZATION	LS	2

Draft
(Not for Bidding)