

**DEPARTMENT OF TRANSPORTATION**

ESC/OE MS #43  
1727 30TH Street, 2ND Floor  
Sacramento, CA 95816



December 5, 2000

07-LA-10-42.4/48.3  
07-1224U4  
ACIM-010-1(753)42N

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in LOS ANGELES COUNTY IN POMONA AND CLAREMONT FROM ROUTE 10/57/210 SEPARATION TO SAN BERNARDINO COUNTY LINE.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on December 14, 2000.

This addendum is being issued to revise the Project Plans, the Notice to Contractors and Special Provisions, the Proposal and Contract, and the Federal Minimum Wages with Modification Number 13 dated 12-1-00. A copy of the modified wage rates are available for the contractor's use on the Internet Site:

**[http://www.dot.ca.gov/hq/esc/oe/weekly\\_ads/addendum\\_page.html](http://www.dot.ca.gov/hq/esc/oe/weekly_ads/addendum_page.html)**

Project Plan Sheets 481 through 503, inclusive, 1233, 1236 and 1237 are revised. A half-sized copy of the revised sheets are attached for substitution for the like-numbered sheets.

In the Special Provisions, Section 5-1.005, "CONTRACT BONDS", is revised as follows:

"Attention is directed to Section 3-102, "Contract Bonds," of the Standard Specifications and these special provisions.

The payment bond shall be in a sum not less than one hundred percent of the total amount payable by the terms of the contract."

In the Special Provisions, Section 10-1.01, "ORDER OF WORK", in the twenty-ninth paragraph which begins with "Work at Garey Avenue Bent 8R", the last sentence is deleted.

In the Special Provisions, Section 10-1.02, "WATER POLLUTION CONTROL", the second paragraph is revised as follows:

"This project shall conform to the requirements of General Construction Permit No. CAS000002 issued by the State Water Resource Control Board. This General Construction Permit, hereafter referred to as the "Permit," regulates storm water discharges associated with construction activities."

In the Special Provisions, Section 10-1.02, "WATER POLLUTION CONTROL", subsection "STORM WATER POLLUTION PREVENTION PLAN PREPARATION, APPROVAL AND UPDATES", eighth paragraph, Item No. 10 is revised as follows:

"A copy of the Notification of Construction (NOC) submitted by the Department for this project;"

07-LA-10-42.4/48.3  
07-1224U4  
ACIM-010-1(753)42N

In the Special Provisions, Section 10-1.02, "WATER POLLUTION CONTROL", subsection "SWPPP IMPLEMENTATION", the second paragraph is revised as follows:

"Soil stabilization practices and sediment control measures, including minimum requirements, shall be provided throughout the winter season, defined as between October 1 and May 1."

In the Special Provisions, Section 10-1.09, "OBSTRUCTIONS", the ninth paragraph is deleted.

In the Special Provisions, Section 10-1.09, "OBSTRUCTIONS", in the table following the tenth paragraph the utility facility and approximate location, FIBER OPTIC, MH (GTE) 601+80 RT, is deleted.

In the Special Provisions, Section 10-1.09, "OBSTRUCTIONS", the utility facility, FIBER OPTIC, MH (GTE), approximate location 601+80 RT, is added to the table following the twelfth paragraph.

In the Special Provisions, Section 10-1.12, "CONSTRUCTION AREA SIGNS", the twelfth paragraph is revised as follows:

"The second paragraph of Section 12-3.06B, "Portable Signs," of the Standard Specifications is amended to read:

Sign panels for portable signs shall conform to the provisions for sign panels for stationary mounted signs in Section 12-3.06A, "Stationary Mounted Signs," or shall be Type VI retroreflective sheeting, or shall be cotton drill fabric, flexible industrial nylon fabric or other approved fabric. Fabric signs shall not be used during the hours of darkness. Size, color and legend requirements for portable signs shall be described for stationary mounted sign panels in Section 12-3.06A. The height to the bottom of the sign panel above the edge of traveled way shall be at least one foot. All supplemental sign panels shall be placed a minimum of one foot off the ground from the bottom of the sign panel."

In the Special Provisions, Section 10-1.16, "TEMPORARY PAVEMENT DELINEATION", subsection "TEMPORARY TRAFFIC STRIPE (PAINT)", the second sentence of the second paragraph is revised as follows:

"Two coats shall be applied regardless of whether on new or existing pavement."

In the Special Provisions, Section 10-1.22, "TEMPORARY TRAFFIC SCREEN", the following paragraph is added after the fourth paragraph:

"When no longer required to support temporary traffic screen, pipe screen supports shall be removed or cut to avoid any extruding portion beyond the height of the barrier."

In the Special Provisions, Section 10-1.23, "TEMPORARY CRASH CUSHION MODULE", the first paragraph is revised as follows:

"This work shall consist of furnishing, installing, and maintaining sand filled temporary crash cushion modules or approved crash attenuators in groupings or arrays at each location shown on the plans, as specified in these special provisions or where designated by the Engineer. The groupings or arrays of sand filled modules shall form a complete sand filled temporary crash cushion in conformance with the details shown on the plans and these special provisions. The use of other approved crash attenuators shall be at the Contractor's option."

07-LA-10-42.4/48.3  
07-1224U4  
ACIM-010-1(753)42N

In the Special Provisions, Section 10-1.23, "TEMPORARY CRASH CUSHION MODULE", the third paragraph is revised as follows:

**"GENERAL.--**Whenever the work or the Contractor's operations establishes a fixed obstacle, the exposed fixed obstacle shall be protected with a sand filled temporary crash cushion or approved crash attenuator. The sand filled temporary crash cushion or approved crash attenuator shall be in place prior to opening the lanes adjacent to the fixed obstacle to public traffic."

In the Special Provisions, Section 10-1.23, "TEMPORARY CRASH CUSHION MODULE", subsection "MATERIALS", the first sentence of the second paragraph is revised as follows:

"Modules contained in each temporary crash cushion shall be compatible at each location."

In the Special Provisions, Section 10-1.23, "TEMPORARY CRASH CUSHION MODULE", subsection "MEASUREMENT AND PAYMENT", the following paragraph is added after the fourth paragraph:

"Other approved crash attenuators placed at the Contractor's option shall be measured and paid for as the number of temporary crash cushion modules the approved crash attenuator replaces."

In the Proposal and Contract, the entire Engineer's Estimate is revised as attached.

To Proposal and Contract book holders:

Replace the entire Engineer's Estimate in the Proposal with the attached revised Engineer's Estimate. The revised Engineer's Estimate is to be used in the bid.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the proposal.

Submit bids in the Proposal and Contract book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

This office is sending this addendum by UPS overnight mail to Proposal and Contract book holders to ensure that each receives it.

If you are not a Proposal and Contract book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,

ORIGINAL SIGNED BY

REBECCA D. HARNAGEL, Chief  
Office of Plans, Specifications & Estimates  
Division of Office Engineer

Attachments

**ENGINEER'S ESTIMATE  
07-1224U4**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	070010	PROGRESS SCHEDULE (CRITICAL PATH)	LS	LUMP SUM	LUMP SUM	
2	070015	OVERHEAD	WDAY	600		
3 (S)	071321	TEMPORARY FENCE (TYPE CL-6)	LF	13 100		
4	074019	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	LUMP SUM	LUMP SUM	
5	074020	WATER POLLUTION CONTROL	LS	LUMP SUM	LUMP SUM	
6 (S)	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
7 (S)	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
8 (S)	019859	FLASHING ARROW SIGN	EA	14		
9 (S)	120120	TYPE III BARRICADE	EA	400		
10 (S)	120151	TEMPORARY TRAFFIC STRIPE (TAPE)	LF	19 000		
11 (S)	120159	TEMPORARY TRAFFIC STRIPE (PAINT)	LF	18 400		
12 (S)	120165	CHANNELIZER (SURFACE MOUNTED)	EA	1470		
13 (S)	120300	TEMPORARY PAVEMENT MARKER	EA	320		
14 (S)	129000	TEMPORARY RAILING (TYPE K)	LF	192 000		
15 (S)	129100	TEMPORARY CRASH CUSHION MODULE	EA	1120		
16	150206	ABANDON CULVERT	EA	14		
17	019860	ABANDON UNDERDRAIN	EA	2		
18	048375	ABANDON PEDESTRIAN UNDERCROSSING LOCATION 1	LS	LUMP SUM	LUMP SUM	
19	048376	ABANDON PEDESTRIAN UNDERCROSSING LOCATION 2	LS	LUMP SUM	LUMP SUM	
20	150224	ABANDON MANHOLE	EA	6		

**ENGINEER'S ESTIMATE  
07-1224U4**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	150605	REMOVE FENCE	LF	14 400		
22	150662	REMOVE METAL BEAM GUARD RAILING	LF	11 300		
23	150667	REMOVE DOUBLE METAL BEAM BARRIER	LF	16 600		
24	150668	REMOVE FLARED END SECTION	EA	12		
25	150710	REMOVE TRAFFIC STRIPE	LF	506 000		
26	019861	REMOVE YELLOW PAINTED TRAFFIC STRIPE	LF	52 800		
27	150713	REMOVE PAVEMENT MARKING	SQFT	2760		
28	150722	REMOVE PAVEMENT MARKER	EA	70 600		
29	150742	REMOVE ROADSIDE SIGN	EA	130		
30	150760	REMOVE SIGN STRUCTURE	EA	16		
31	150806	REMOVE PIPE	LF	6390		
32	150820	REMOVE INLET	EA	120		
33	150826	REMOVE MANHOLE	EA	4		
34	150829	REMOVE RETAINING WALL	LF	1130		
35	019862	REMOVE PARKWAY DRAIN	EA	1		
36	150846	REMOVE CONCRETE PAVEMENT	SQYD	7450		
37	150857	REMOVE ASPHALT CONCRETE SURFACING	SQYD	2940		
38	019863	REMOVE BLOCK WALL	LF	1030		
39	019864	REMOVE GRAVITY WALL	LF	5800		
40	151581	RECONSTRUCT SIGN STRUCTURE	EA	4		

**ENGINEER'S ESTIMATE  
07-1224U4**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	152394	RELOCATE SIGN STRUCTURE	EA	10		
42	152430	ADJUST INLET	EA	2		
43	152439	ADJUST FRAME AND GRATE TO GRADE	EA	2		
44	152440	ADJUST MANHOLE TO GRADE	EA	2		
45	152703	REMODEL INLET	EA	6		
46 (S)	153116	COLD PLANE ASPHALT CONCRETE PAVEMENT (.25' MAXIMUM)	SQYD	22 500		
47	153210	REMOVE CONCRETE	CY	2070		
48	153221	REMOVE CONCRETE BARRIER	LF	6710		
49	153225	PREPARE CONCRETE BRIDGE DECK SURFACE	SQFT	26 500		
50	153250	REMOVE SOUND WALL	LF	250		
51	153531	ACCESS OPENING, SOFFIT	EA	8		
52	155003	CAP INLET	EA	39		
53	155009	CAP REINFORCED CONCRETE BOX OPENING	EA	1		
54	156585	REMOVE CRASH CUSHION	EA	12		
55	048377	CONCRETE CHANNEL REMOVAL	LS	LUMP SUM	LUMP SUM	
56	157561	BRIDGE REMOVAL (PORTION), LOCATION A	LS	LUMP SUM	LUMP SUM	
57	157562	BRIDGE REMOVAL (PORTION), LOCATION B	LS	LUMP SUM	LUMP SUM	
58	157563	BRIDGE REMOVAL (PORTION), LOCATION C	LS	LUMP SUM	LUMP SUM	
59	157564	BRIDGE REMOVAL (PORTION), LOCATION D	LS	LUMP SUM	LUMP SUM	
60	157565	BRIDGE REMOVAL (PORTION), LOCATION E	LS	LUMP SUM	LUMP SUM	

**ENGINEER'S ESTIMATE  
07-1224U4**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	157566	BRIDGE REMOVAL (PORTION), LOCATION F	LS	LUMP SUM	LUMP SUM	
62	157568	BRIDGE REMOVAL (PORTION), LOCATION H	LS	LUMP SUM	LUMP SUM	
63	157569	BRIDGE REMOVAL (PORTION), LOCATION I	LS	LUMP SUM	LUMP SUM	
64	048378	CONCRETE RETAINING WALL REMOVAL	LS	LUMP SUM	LUMP SUM	
65	048379	LOWER BRIDGE, LOCATION A	LS	LUMP SUM	LUMP SUM	
66	048380	LOWER BRIDGE, LOCATION B	LS	LUMP SUM	LUMP SUM	
67	048381	LOWER BRIDGE, LOCATION E	LS	LUMP SUM	LUMP SUM	
68	048382	LOWER BRIDGE, LOCATION F	LS	LUMP SUM	LUMP SUM	
69	160101	CLEARING AND GRUBBING	LS	LUMP SUM	LUMP SUM	
70	019865	MATERIAL WITH AERIALY DEPOSITED LEAD	CY	101 000		
71	190101	ROADWAY EXCAVATION	CY	173 000		
72 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	CY	5684		
73 (F)	192037	STRUCTURE EXCAVATION (RETAINING WALL)	CY	141 994		
74 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	CY	5272		
75 (F)	193013	STRUCTURE BACKFILL (RETAINING WALL)	CY	170 416		
76	193114	SAND BACKFILL	CY	1060		
77 (S)	200001	HIGHWAY PLANTING	LS	LUMP SUM	LUMP SUM	
78 (S)	204099	PLANT ESTABLISHMENT WORK	LS	LUMP SUM	LUMP SUM	
79 (S)	206401	MAINTAIN EXISTING IRRIGATION FACILITIES	LS	LUMP SUM	LUMP SUM	
80 (S)	208000	IRRIGATION SYSTEM	LS	LUMP SUM	LUMP SUM	

**ENGINEER'S ESTIMATE  
07-1224U4**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81	220101	FINISHING ROADWAY	LS	LUMP SUM	LUMP SUM	
82	250201	CLASS 2 AGGREGATE SUBBASE	CY	130		
83	250401	CLASS 4 AGGREGATE SUBBASE	CY	18 000		
84	260201	CLASS 2 AGGREGATE BASE	CY	19 000		
85	260210	AGGREGATE BASE (APPROACH SLAB)	CY	100		
86	260301	CLASS 3 AGGREGATE BASE	CY	51 500		
87	280000	LEAN CONCRETE BASE	CY	36 800		
88	390152	ASPHALT CONCRETE	TON	53 900		
89	393001	PAVEMENT REINFORCING FABRIC	SQYD	29 900		
90	394002	PLACE ASPHALT CONCRETE (MISCELLANEOUS AREA)	SQYD	18 600		
91	394040	PLACE ASPHALT CONCRETE DIKE (TYPE A)	LF	5130		
92	394044	PLACE ASPHALT CONCRETE DIKE (TYPE C)	LF	740		
93	394046	PLACE ASPHALT CONCRETE DIKE (TYPE D)	LF	5140		
94	394048	PLACE ASPHALT CONCRETE DIKE (TYPE E)	LF	100		
95	394049	PLACE ASPHALT CONCRETE DIKE (TYPE F)	LF	1110		
96	401000	CONCRETE PAVEMENT	CY	62 400		
97	019867	CONCRETE PAVEMENT (FAST SETTING HYDRAULIC CEMENT CONCRETE)	CY	2160		
98	401100	REPLACE CONCRETE PAVEMENT	CY	510		
99	019868	REPLACE CONCRETE PAVEMENT (FAST SETTING HYDRAULIC CEMENT CONCRETE)	CY	1860		
100 (S)	019869	GRIND CONCRETE PAVEMENT	SQYD	50 600		

**ENGINEER'S ESTIMATE  
07-1224U4**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101 (S)	490503	FURNISH STEEL PILING (HP 10 X 42)	LF	9316		
102 (S)	490504	DRIVE STEEL PILE (HP 10 X 42)	EA	192		
103	490508	FURNISH STEEL PILING (HP 10 X 57)	LF	16 687		
104 (S)	490509	DRIVE STEEL PILE (HP 10 X 57)	EA	339		
105	490528	FURNISH STEEL PILING (HP 14 X 89)	LF	18 269		
106 (S)	490529	DRIVE STEEL PILE (HP 14 X 89)	EA	362		
107 (S)	490601	16" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	29 200		
108 (S)	490603	24" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	1106		
109 (S)	500001	PRESTRESSING CAST-IN-PLACE CONCRETE	LS	LUMP SUM	LUMP SUM	
110 (S)	500010	PRESTRESSING	LS	LUMP SUM	LUMP SUM	
111 (S)	500050	TIEBACK ANCHOR	EA	56		
112 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	1426		
113 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	CY	4725		
114 (F)	510060	STRUCTURAL CONCRETE, RETAINING WALL	CY	48 280		
115 (F)	510086	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	CY	483		
116	510087	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	CY	1024		
117 (F)	510102	CLASS A CONCRETE (STRUCTURE)	CY	152		
118 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	CY	620		
119	510504	MINOR CONCRETE (PIPE ENCASEMENT)	CY	2660		
120	510800	PAVING NOTCH EXTENSION	CY	23		

**ENGINEER'S ESTIMATE  
07-1224U4**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121 (F)	511035	ARCHITECTURAL TREATMENT	SQFT	4475		
122	511106	DRILL AND BOND DOWEL	LF	3575		
123	019870	RETROFIT DOWEL (SMOOTH, EPOXY COATED)	EA	23 300		
124 (S)	512205	FURNISH PRECAST PRESTRESSED CONCRETE GIRDER (60'-70')	EA	12		
125 (S)	512206	FURNISH PRECAST PRESTRESSED CONCRETE GIRDER (70'-80')	EA	17		
126 (S)	512207	FURNISH PRECAST PRESTRESSED CONCRETE GIRDER (80'-90')	EA	13		
127 (S)	512208	FURNISH PRECAST PRESTRESSED CONCRETE GIRDER (90'-100')	EA	6		
128 (S)	512500	ERECT PRECAST PRESTRESSED CONCRETE GIRDER	EA	48		
129	513551	RETAINING WALL STEM (TYPE 6)	SQFT	2470		
130	515041	FURNISH POLYESTER CONCRETE OVERLAY	CF	7770		
131 (F)	515042	PLACE POLYESTER CONCRETE OVERLAY	SQFT	26 500		
132 (S)	515061	CORE CONCRETE (2")	LF	34		
133 (F-S)	517961	SOUND WALL (BARRIER) (MASONRY BLOCK)	SQFT	426 419		
134	518201	MASONRY BLOCK WALL	SQFT	460		
135 (S)	519085	JOINT SEAL (TYPE B-MR 1")	LF	1141		
136 (S)	519086	JOINT SEAL (TYPE B-MR 1 1/2")	LF	58		
137 (S)	519092	JOINT SEAL ASSEMBLY (MR 2 1/2")	LF	34		
138 (S)	519093	JOINT SEAL ASSEMBLY (MR 3")	LF	17		
139 (S)	519094	JOINT SEAL ASSEMBLY (MR 3 1/2")	LF	17		
140 (S-F)	520102	BAR REINFORCING STEEL (BRIDGE)	LB	1 459 800		

**ENGINEER'S ESTIMATE  
07-1224U4**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
141 (F)	520103	BAR REINFORCING STEEL (RETAINING WALL)	LB	5 250 537		
142 (S-F)	520107	BAR REINFORCING STEEL (BOX CULVERT)	LB	289 411		
143 (S-F)	530100	SHOTCRETE	CY	110		
144 (S-F)	540101	ASPHALT MEMBRANE WATERPROOFING	SQFT	110		
145 (S-F)	550110	COLUMN CASING	LB	41 000		
146 (F)	560218	FURNISH SIGN STRUCTURE (TRUSS)	LB	218 275		
147 (S-F)	560219	INSTALL SIGN STRUCTURE (TRUSS)	LB	218 275		
148 (S)	561004	30" CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	LF	170		
149 (S)	561005	36" CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	LF	150		
150 (S)	561011	48" CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	LF	18		
151	562002	METAL (BARRIER MOUNTED SIGN)	LB	4240		
152	019871	METAL (WALL MOUNTED SIGN FLUSH)	LB	1200		
153	019872	METAL (WALL MOUNTED SIGN)	LB	2900		
154	566011	ROADSIDE SIGN - ONE POST	EA	43		
155	566012	ROADSIDE SIGN - TWO POST	EA	32		
156	568001	INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)	EA	46		
157	568007	INSTALL SIGN OVERLAY	SQFT	270		
158	019873	INSTALL ROADSIDE SIGN-TWO POST (LAMINATED WOOD BOX POST)	EA	11		
159	620080	15" ALTERNATIVE PIPE CULVERT	LF	720		
160	620100	18" ALTERNATIVE PIPE CULVERT	LF	7510		

**ENGINEER'S ESTIMATE  
07-1224U4**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
161	620140	24" ALTERNATIVE PIPE CULVERT	LF	590		
162	641107	18" PLASTIC PIPE	LF	360		
163	650012	15" REINFORCED CONCRETE PIPE	LF	1630		
164	650014	18" REINFORCED CONCRETE PIPE	LF	790		
165	650018	24" REINFORCED CONCRETE PIPE	LF	710		
166	650022	30" REINFORCED CONCRETE PIPE	LF	1360		
167	650026	36" REINFORCED CONCRETE PIPE	LF	600		
168	650034	48" REINFORCED CONCRETE PIPE	LF	48		
169	650062	90" REINFORCED CONCRETE PIPE	LF	690		
170	655324	JACKED 36" REINFORCED CONCRETE PIPE (CLASS III)	LF	630		
171	665005	8" CORRUGATED STEEL PIPE (.064" THICK)	LF	71		
172	665038	36" CORRUGATED STEEL PIPE (.138" THICK)	LF	48		
173	665056	60" CORRUGATED STEEL PIPE (.138" THICK)	LF	32		
174	681065	10" PERFORATED PLASTIC PIPE UNDERDRAIN	LF	250		
175	019874	10" PERFORATED PLASTIC PIPE RISER (UNDERDRAIN)	EA	2		
176	019875	12" PERFORATED PLASTIC PIPE UNDERDRAIN	LF	530		
177	019876	15" PERFORATED PLASTIC PIPE UNDERDRAIN	LF	22		
178	019877	15" NONPERFORATED PLASTIC PIPE	LF	50		
179	681103	3" PLASTIC PIPE (EDGE DRAIN)	LF	50 900		
180	681107	3" PLASTIC PIPE (EDGE DRAIN OUTLET)	LF	2340		

**ENGINEER'S ESTIMATE  
07-1224U4**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
181	019878	PARKWAY DRAIN	EA	5		
182	703210	12" CORRUGATED STEEL PIPE RISER (.064" THICK)	LF	20		
183	703216	18" CORRUGATED STEEL PIPE RISER (.064" THICK)	LF	4		
184	719300	MANHOLE	EA	22		
185	720002	ROCK SLOPE PROTECTION (DRAINAGE OUTLET)	CY	17		
186	729010	ROCK SLOPE PROTECTION FABRIC	SQYD	16		
187	731502	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	CY	1890		
188 (F)	731517	MINOR CONCRETE (GUTTER)	CY	468		
189 (F)	750001	MISCELLANEOUS IRON AND STEEL	LB	101 893		
190 (S-F)	750499	MISCELLANEOUS METAL (RESTRAINER - ROD TYPE)	LB	6250		
191 (S-F)	750501	MISCELLANEOUS METAL (BRIDGE)	LB	66 730		
192 (S)	800360	CHAIN LINK FENCE (TYPE CL-6)	LF	2650		
193 (S)	800400	CHAIN LINK FENCE (TYPE CL-8)	LF	34		
194 (S)	802510	5' CHAIN LINK GATE (TYPE CL-6)	EA	47		
195 (S)	019879	12' CHAIN LINK GATE (TYPE CL-8)	EA	3		
196 (S)	019880	16' CHAIN LINK GATE (TYPE CL-8)	EA	1		
197 (S)	802901	4' CHAIN LINK GATE (TYPE CL-8)	EA	1		
198	810110	SURVEY MONUMENT	EA	1		
199	820107	DELINEATOR (CLASS 1)	EA	78		
200	820180	INSTALL MEDIAN MILEAGE PANEL	EA	60		

**ENGINEER'S ESTIMATE  
07-1224U4**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
201 (S)	832003	METAL BEAM GUARD RAILING (WOOD POST)	LF	4340		
202 (S)	833020	CHAIN LINK RAILING	LF	530		
203 (F)	833085	PIPE HANDRAILING	LF	391		
204	833159	CONCRETE BARRIER (TYPE 27A MODIFIED)	LF	29 000		
205 (F)	833160	CONCRETE BARRIER (TYPE 27)	LF	2484		
206 (F)	833161	CONCRETE BARRIER (TYPE 27A)	LF	337		
207	833162	CONCRETE BARRIER (TYPE 27B)	LF	760		
208	833165	CONCRETE BARRIER (TYPE 27B MODIFIED)	LF	720		
209	833183	CONCRETE BARRIER (TYPE 27SV)	LF	890		
210	833184	CONCRETE BARRIER (TYPE 27SV MODIFIED)	LF	4860		
211 (F)	833187	CONCRETE BARRIER (TYPE 27 MODIFIED)	LF	1424		
212	833493	CONCRETE BARRIER (TYPE 50F)	LF	100		
213	839473	CONCRETE BARRIER (TYPE 50W MODIFIED)	LF	600		
214 (F)	839483	CONCRETE BARRIER (TYPE 50A)	LF	60		
215	839487	CONCRETE BARRIER (TYPE 50C)	LF	5		
216 (S-F)	839521	CABLE RAILING	LF	8257		
217 (S)	839565	TERMINAL SYSTEM (TYPE SRT)	EA	10		
218 (S)	839568	TERMINAL ANCHOR ASSEMBLY (TYPE SFT)	EA	10		
219 (S)	019881	CRASH CUSHION (TYPE REACT 9SCBS)	EA	14		
220 (F)	839701	CONCRETE BARRIER (TYPE 60)	LF	6322		

**ENGINEER'S ESTIMATE  
07-1224U4**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
221	839703	CONCRETE BARRIER (TYPE 60C)	LF	6690		
222 (F)	839704	CONCRETE BARRIER (TYPE 60D)	LF	10 847		
223	019882	CONCRETE BARRIER (TYPE 60 MOD)	LF	3750		
224	019883	CONCRETE BARRIER (TYPE 60C MOD)	LF	110		
225	019884	CONCRETE BARRIER (TYPE 60R)	LF	2150		
226	019885	CONCRETE BARRIER (TYPE 60W)	LF	2930		
227	019886	CONCRETE BARRIER (TYPE 60W MOD)	LF	6290		
228	019887	CONCRETE BARRIER (TYPE 732A MOD)	LF	2120		
229	019888	CONCRETE BARRIER (TYPE 732B MOD)	LF	100		
230	019889	CONCRETE BARRIER (TYPE 736A MOD)	LF	1960		
231	019890	CONCRETE BARRIER (TYPE 736B MOD)	LF	490		
232 (S)	840504	4" THERMOPLASTIC TRAFFIC STRIPE	LF	164 000		
233 (S)	840506	8" THERMOPLASTIC TRAFFIC STRIPE	LF	78 800		
234 (S)	840508	8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	LF	11 100		
235 (S)	840515	THERMOPLASTIC PAVEMENT MARKING	SQFT	10 000		
236 (S)	840526	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7)	LF	4330		
237 (S)	840550	8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	LF	7810		
238 (S)	840656	PAINT TRAFFIC STRIPE (2-COAT)	LF	401 000		
239 (S)	840666	PAINT PAVEMENT MARKING (2-COAT)	SQFT	1300		
240 (S)	850101	PAVEMENT MARKER (NON-REFLECTIVE)	EA	36 100		

**ENGINEER'S ESTIMATE  
07-1224U4**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
241 (S)	850102	PAVEMENT MARKER (REFLECTIVE)	EA	200		
242 (S)	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	21 400		
243 (S)	019891	SIGNAL AND LIGHTING (LOCATION 1, MODIFY)	LS	LUMP SUM	LUMP SUM	
244 (S)	019892	SIGNAL AND LIGHTING (LOCATION 2, MODIFY)	LS	LUMP SUM	LUMP SUM	
245 (S)	019893	SIGNAL AND LIGHTING (LOCATION 3, MODIFY)	LS	LUMP SUM	LUMP SUM	
246 (S)	019894	SIGNAL AND LIGHTING (LOCATION 4, MODIFY)	LS	LUMP SUM	LUMP SUM	
247 (S)	019895	SIGNAL AND LIGHTING (LOCATION 5, MODIFY)	LS	LUMP SUM	LUMP SUM	
248 (S)	019896	SIGNAL AND LIGHTING (LOCATION 6, MODIFY)	LS	LUMP SUM	LUMP SUM	
249 (S)	019897	LIGHTING (MODIFY)	LS	LUMP SUM	LUMP SUM	
250 (S)	019898	LIGHTING (CITY)	LS	LUMP SUM	LUMP SUM	
251 (S)	019899	BRIDGE LIGHTING	LS	LUMP SUM	LUMP SUM	
252 (S)	860460	LIGHTING AND SIGN ILLUMINATION	LS	LUMP SUM	LUMP SUM	
253 (S)	019900	LIGHTING AND SIGN ILLUMINATION ELECTRIC SERVICE (IRRIGATION)	LS	LUMP SUM	LUMP SUM	
254 (S)	019901	MODIFY HAR SIGN AND FLASHING BEACON (LOCATION SB459)	LS	LUMP SUM	LUMP SUM	
255 (S)	019902	CHANGEABLE MESSAGE SIGN ELECTRICAL SYSTEM, CMS #80 RELOCATION	LS	LUMP SUM	LUMP SUM	
256 (S)	019903	2" CONDUIT (TRENCHED IN SOIL)	LF	1320		
257 (S)	019904	2" RIGID STEEL CONDUIT (JACKED)	LF	670		
258 (S)	019905	3" CONDUIT (TRENCHED IN SOIL)	LF	230		
259 (S)	019906	3" CONDUIT (TRENCHED IN ASPHALT)	LF	460		
260 (S)	019907	TWO 4" CONDUIT (TRENCHED IN ASPHALT)	LF	29 000		

**ENGINEER'S ESTIMATE  
07-1224U4**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
261 (S)	019908	TWO 4" RIGID STEEL CONDUIT (JACKED)	LF	1180		
262 (S)	019909	3" RIGID STEEL CONDUIT (JACKED)	LF	320		
263 (S)	019910	4" RIGID STEEL CONDUIT (JACKED)	LF	200		
264 (S)	019911	TWO 3" CONDUIT (TRENCHED IN SOIL)	LF	70		
265 (S)	019912	TWO 3" RIGID STEEL CONDUIT (JACKED)	LF	60		
266 (S)	019913	CONDUIT MARKER	LS	LUMP SUM	LUMP SUM	
267 (S)	860790	1 1/4" INNERDUCT	LF	32 900		
268 (S)	019914	TRAFFIC MONITORING STATION (LOCATION 2560, MODIFY)	LS	LUMP SUM	LUMP SUM	
269 (S)	019915	TRAFFIC MONITORING STATION AND ELECTRIC SERVICE (IRRIGATION) (LOCATION 2107, 2108, MODIFY)	LS	LUMP SUM	LUMP SUM	
270 (S)	019916	TRAFFIC MONITORING STATION (LOCATION 2109, MODIFY)	LS	LUMP SUM	LUMP SUM	
271 (S)	019917	TRAFFIC MONITORING STATION (LOCATION 2129, MODIFY)	LS	LUMP SUM	LUMP SUM	
272 (S)	019918	TRAFFIC MONITORING STATION (LOCATION 2128)	LS	LUMP SUM	LUMP SUM	
273 (S)	019919	AUTOMATION VEHICLE CLASSIFICATION (LOCATION 054, MODIFY)	LS	LUMP SUM	LUMP SUM	
274 (S)	019920	VIDEO NODE, DATA NODE AND CCTV CAMERA (LOCATION SB425)	LS	LUMP SUM	LUMP SUM	
275 (S)	019921	CABLE NODE (LOCATION SB425)	LS	LUMP SUM	LUMP SUM	
276 (S)	019922	CCTV CAMERA (LOCATION SB429)	LS	LUMP SUM	LUMP SUM	
277 (S)	019923	CCTV CAMERA (LOCATION SB442)	LS	LUMP SUM	LUMP SUM	
278 (S)	019924	CCTV CAMERA (LOCATION SB451)	LS	LUMP SUM	LUMP SUM	
279 (S)	019925	CCTV CAMERA (LOCATION SB465)	LS	LUMP SUM	LUMP SUM	
280 (S)	019926	CCTV CAMERA AND DATA NODE (LOCATION SB478)	LS	LUMP SUM	LUMP SUM	

**ENGINEER'S ESTIMATE**  
**07-1224U4**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
281 (S)	019927	RAMP METERING SYSTEM (LOCATION 0762, MODIFY)	LS	LUMP SUM	LUMP SUM	
282 (S)	019928	RAMP METERING SYSTEM AND ELECTRIC SERVICE (IRRIGATION) (LOCATION 0772, MODIFY)	LS	LUMP SUM	LUMP SUM	
283 (S)	019929	RAMP METERING SYSTEM AND ELECTRIC SERVICE (IRRIGATION) (LOCATION 0763/0771, MODIFY)	LS	LUMP SUM	LUMP SUM	
284 (S)	019930	RAMP METERING SYSTEM (LOCATION 0770, MODIFY)	LS	LUMP SUM	LUMP SUM	
285 (S)	019931	RAMP METERING SYSTEM AND ELECTRIC SERVICE (IRRIGATION) (LOCATION 0769, MODIFY)	LS	LUMP SUM	LUMP SUM	
286 (S)	019932	RAMP METERING SYSTEM AND ELECTRIC SERVICE (IRRIGATION) (LOCATION 0764, MODIFY)	LS	LUMP SUM	LUMP SUM	
287 (S)	019933	RAMP METERING SYSTEM (LOCATION 0765, MODIFY)	LS	LUMP SUM	LUMP SUM	
288 (S)	019934	RAMP METERING SYSTEM (LOCATION 0768, MODIFY)	LS	LUMP SUM	LUMP SUM	
289 (S)	019935	RAMP METERING SYSTEM AND ELECTRIC SERVICE (IRRIGATION) (LOCATION 0766, MODIFY)	LS	LUMP SUM	LUMP SUM	
290 (S)	019936	RAMP METERING SYSTEM AND ELECTRIC SERVICE (IRRIGATION) (LOCATION 0767, MODIFY)	LS	LUMP SUM	LUMP SUM	
291	867011	2 SINGLE FIBER OPTIC CABLE	LF	1400		
292 (S)	867015	24 SINGLEMODE FIBER OPTIC CABLE	LF	470		
293 (S)	019938	60 SINGLEMODE FIBER OPTIC CABLE (60SMFO)	LF	32 400		
294 (S)	019939	12 SINGLEMODE FIBER OPTIC CABLE	LF	33 100		
295 (S)	867113	8 MULTIMODE FIBER OPTIC CABLE	LF	33 100		
296 (S)	867130	FIBER OPTIC SPLICE CLOSURE	EA	7		
297 (S)	867135	TWISTED PAIR SPLICE CLOSURE	EA	32		
298 (S)	869025	TWISTED PAIR CABLE (6 PAIR)	LF	5900		
299 (S)	869029	TWISTED PAIR CABLE (50 PAIR)	LF	31 000		
300 (S)	869035	NO. 5 PULL BOX	EA	18		

**ENGINEER'S ESTIMATE  
07-1224U4**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
301 (S)	869036	NO. 6 PULL BOX	EA	6		
302 (S)	869039	COMMUNICATION PULL BOX	EA	69		
303 (S)	869042	ADJUST PULL BOX	EA	2		
304 (S)	869047	SPLICE VAULT	EA	19		
305 (S)	869075	SYSTEM TESTING AND DOCUMENTATION	LS	LUMP SUM	LUMP SUM	
306 (S)	019940	COMMUNICATION HUB EQUIPMENT	LS	LUMP SUM	LUMP SUM	
307 (S)	019941	CABLE NODE (LOCATION SB 425)	LS	LUMP SUM	LUMP SUM	
308 (S)	019942	CABLE NODE (LOCATION SB 482)	LS	LUMP SUM	LUMP SUM	
309 (S)	019943	EQUIPMENT AT VIDEO NODE (LOCATION SB 425)	LS	LUMP SUM	LUMP SUM	
310 (S)	019944	EQUIPMENT AT DATA NODE (LOCATION SB 425)	LS	LUMP SUM	LUMP SUM	
311 (S)	019945	EQUIPMENT AT DATA NODE (LOCATION SB 478)	LS	LUMP SUM	LUMP SUM	
312 (S)	019946	TELEPHONE BRIDGES (EXISTING CONTROLLERS)	EA	15		
313	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

**TOTAL BID: \_\_\_\_\_**