

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

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March 25, 2011

12-Ora-91-9.1/15.1

12-0G3304

Project ID 1200000140

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN ORANGE COUNTY IN ANAHEIM AND YORBA LINDA ON ROUTE 91 FROM 55/91 SEPARATION TO 91/241 SEPARATION AND NEAR TUSTIN AT ROUTE 241/261 SEPARATION AND IN IRVINE AT THE TRAFFIC MANAGEMENT CENTER AT 6681 MARINE WAY.

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 Thursday, April 14, 2011.

This addendum is being issued to revise the Project Plans, the Notice to Bidders and Special Provisions, and the Bid book.

Project Plan Sheets 396, 397, 398, 399, 400, 401, 403, 404, 414, 417, 425, 427, 431, 438, 441, 455, 459, 461, 466, 468, 473, 475, 494, 502, 508, 516, 517, 522, 523, 524, 525, 526, 527, 528, 529, 659, 660, 661, 662, 663, 770, 771, and 772 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 401A, 508A, and 508B are added. Copies of the added sheets are attached for addition to the project plans.

In the Notice to Bidders and Special Provisions and Bid Book, the location description is revised as follows:

"IN ORANGE COUNTY IN ANAHEIM AND YORBA LINDA ON ROUTE 91 FROM 55/91 SEPARATION TO 91/241 SEPARATION AND NEAR TUSTIN AT ROUTE 241/261 SEPARATION AND IN IRVINE AT THE TRAFFIC MANAGEMENT CENTER AT 6681 MARINE WAY."

In the Special Provisions, Section 10-3.13, "MICROWAVE VEHICLE DETECTION SYSTEM," the first paragraph is revised as follows:

"Full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in installing microwave vehicle detection system, complete in place, including initial site analysis, set-up and configuration of the system, calibration of the device performance, verification of detector accuracy, training of State personnel, testing, re-testing of failed units, and all monthly communication charges for the wireless system, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer shall be considered as included in the contract lump sum price paid for microwave vehicle detection system (temporary) and no additional compensation will be allowed therefor."

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In the Special Provisions, Section 10-3.19, "FIBER OPTIC COMMUNICATION CABLE PLANT," subsection "FIBER OPTIC OUTSIDE PLANT CABLE," sub-subsection "General," the first paragraph is revised as follows:

"Each fiber optic outside plant cable (FOOP) for this project shall be all dielectric, gel filled or water-blocking material, duct type, with loose buffer tube construction with a maximum outside diameter of 0.55-inch and shall conform to these special provisions. Cables shall contain multimode (MM) dual-window (850 nm and 1300 nm) and single mode (SM) dual-window (1310 nm and 1550 nm) fibers with the numbers described below and as shown on the plans:

Type C cable	72 SM fibers
Type D cable	12 SM fibers
62 SMFO	62 SM fibers
48 SMFO	48 SM fibers
24 SMFO	24 SM fibers
2 MMFO	2 MM fibers
6 MMFO	6 MM fibers
12 MMFO	12 MM fibers
16 MMFO	16 MM fibers

In the Special Provisions, Section 10-3.20, "CLOSED CIRCUIT TELEVISION SYSTEM," subsection "PAIRED AUDIO CABLE," is added after subsection "COMMUNICATION PROTOCOL":

**"PAIRED AUDIO CABLE**

The Paired Audio Cable shall have 2#12 AWG conductors. Each conductor shall have a 65X30 stranding and shall be of tinned copper material. Both the insulation and outer jacket shall be of PVC material."

In the Bid book, in the "Bid Item List," Items 21, 27, 31, 33, 34, 35, 61, 71, 110, 117, 123, 136, 138, 139, 146, 148, 186, 187, 188, 191, 194, and 195 are revised, Items 232 and 233 are added and Item 231 is deleted as attached.

To Bid book holders:

Replace pages 4, 6, 8, 9, 10, 12, and 14 of the "Bid Item List" in the Bid book with the attached revised pages 4, 6, 8, 9, 10, 12, and 14 of the Bid Item List. The revised Bid Item List is to be used in the bid.

Inquiries or questions in regard to this addendum must be communicated as a bidder inquiry and must be made as noted in the Notice to Bidders section of the Notice to Bidders and Special Provisions.

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

Submit bids in the Bid 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.

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This addendum and attachments are available for the Contractors' download on the Web site:

**[http://www.dot.ca.gov/hq/esc/oe/project\\_ads\\_addenda/12/12-0G3304](http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/12/12-0G3304)**

If you are not a Bid 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,



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

Attachments

**BID ITEM LIST**  
**12-0G3304**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	120165	CHANNELIZER (SURFACE MOUNTED)	EA	1,680		
22	020214	CHANNELIZER (TYPE FG 336 UR)	EA	1,680		
23	129000	TEMPORARY RAILING (TYPE K)	LF	73,800		
24	129100	TEMPORARY CRASH CUSHION MODULE	EA	600		
25	020215	TEMPORARY CRASH CUSHION (TYPE ADIEM)	EA	4		
26	129150	TEMPORARY TRAFFIC SCREEN	LF	66,500		
27	141103	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	LF	94,900		
28	150608	REMOVE CHAIN LINK FENCE	LF	530		
29	150662	REMOVE METAL BEAM GUARD RAILING	LF	7,680		
30	150668	REMOVE FLARED END SECTION	EA	3		
31	150711	REMOVE PAINTED TRAFFIC STRIPE	LF	225,000		
32	150712	REMOVE PAINTED PAVEMENT MARKING	SQFT	1,680		
33	150714	REMOVE THERMOPLASTIC TRAFFIC STRIPE	LF	199,000		
34	150715	REMOVE THERMOPLASTIC PAVEMENT MARKING	SQFT	6,170		
35	150722	REMOVE PAVEMENT MARKER	EA	132,000		
36	150730	REMOVE CHANNELIZERS	EA	1,680		
37	150742	REMOVE ROADSIDE SIGN	EA	120		
38	150747	REMOVE ROADSIDE SIGN (STRAP AND SADDLE BRACKET METHOD)	EA	35		
39	020216	REMOVE ROADSIDE SIGN (LAMINATED WOOD BOX POST)	EA	2		
40	150760	REMOVE SIGN STRUCTURE	EA	25		

## BID ITEM LIST

12-0G3304

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	190101	ROADWAY EXCAVATION	CY	168,000		
62	190107	ROADWAY EXCAVATION (TYPE Y-1) (AERIALY DEPOSITED LEAD)	CY	18,500		
63	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
64	190111	ADL BURIAL LOCATION REPORT	LS	LUMP SUM	LUMP SUM	
65 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	CY	918		
66 (F)	192037	STRUCTURE EXCAVATION (RETAINING WALL)	CY	3,600		
67 (F)	192057	STRUCTURE EXCAVATION (TYPE Y-1) (AERIALY DEPOSITED LEAD)	CY	155		
68 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	CY	778		
69 (F)	193013	STRUCTURE BACKFILL (RETAINING WALL)	CY	3,550		
70	194001	DITCH EXCAVATION	CY	10,400		
71	198001	IMPORTED BORROW	CY	73,700		
72	198250	GEOSYNTHETIC REINFORCEMENT	SQYD	46,500		
73	200001	HIGHWAY PLANTING	LS	LUMP SUM	LUMP SUM	
74	200114	ROCK BLANKET	SQYD	4,690		
75	203026	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	10		
76	203031	EROSION CONTROL (HYDROSEED) (SQFT)	SQFT	158,000		
77	204031	TRANSPLANT PALM TREE	EA	53		
78	204096	MAINTAIN EXISTING PLANTED AREAS	LS	LUMP SUM	LUMP SUM	
79	204099	PLANT ESTABLISHMENT WORK	LS	LUMP SUM	LUMP SUM	
80	206401	MAINTAIN EXISTING IRRIGATION FACILITIES	LS	LUMP SUM	LUMP SUM	

**BID ITEM LIST**  
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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101	043027	FURNISH PILING (CLASS 90) (ALTERNATIVE X)	LF	2,275		
102	043028	DRIVE PILE (CLASS 90) (ALTERNATIVE X)	EA	40		
103	490738	FURNISH PILING (CLASS 140)	LF	5,590		
104	490739	DRIVE PILE (CLASS 140)	EA	130		
105	498018	18" CAST-IN-DRILLED-HOLE CONCRETE PILING (SOUND WALL)	LF	287		
106	500001	PRESTRESSING CAST-IN-PLACE CONCRETE	LS	LUMP SUM	LUMP SUM	
107	500050	TIEBACK ANCHOR	EA	32		
108 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	224		
109 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	CY	1,345		
110 (F)	510060	STRUCTURAL CONCRETE, RETAINING WALL	CY	831		
111 (F)	510061	STRUCTURAL CONCRETE, SOUND WALL	CY	87		
112 (F)	510086	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	CY	232		
113	510087	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	CY	96		
114	020220	STRUCTURAL CONCRETE, WINGWALL	CY	20		
115	043029	JACKING SUPERSTRUCTURE	LS	LUMP SUM	LUMP SUM	
116 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	CY	167		
117	510524	MINOR CONCRETE (SOUND WALL)	CY	1,910		
118	510800	PAVING NOTCH EXTENSION	CF	56		
119 (F)	511035	ARCHITECTURAL TREATMENT	SQFT	5,041		
120	511106	DRILL AND BOND DOWEL	LF	363		

**BID ITEM LIST**  
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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121	512224	FURNISH PRECAST PRESTRESSED CONCRETE BOX GIRDER (70'-80')	EA	7		
122	512502	ERECT PRECAST PRESTRESSED CONCRETE BOX GIRDER	EA	7		
123 (F)	518002	SOUND WALL (MASONRY BLOCK)	SQFT	106,390		
124	519088	JOINT SEAL (MR 1")	LF	277		
125 (F)	520102	BAR REINFORCING STEEL (BRIDGE)	LB	404,500		
126 (F)	520103	BAR REINFORCING STEEL (RETAINING WALL)	LB	84,960		
127 (F)	530100	SHOTCRETE	CY	45		
128 (F)	560203	FURNISH SIGN STRUCTURE (BRIDGE MOUNTED WITH WALKWAY)	LB	9,586		
129 (F)	560204	INSTALL SIGN STRUCTURE (BRIDGE MOUNTED WITH WALKWAY)	LB	9,586		
130 (F)	560213	FURNISH SIGN STRUCTURE (LIGHTWEIGHT)	LB	18,600		
131 (F)	560214	INSTALL SIGN STRUCTURE (LIGHTWEIGHT)	LB	18,600		
132 (F)	560218	FURNISH SIGN STRUCTURE (TRUSS)	LB	532,460		
133 (F)	560219	INSTALL SIGN STRUCTURE (TRUSS)	LB	532,460		
134 (F)	560223	FURNISH SIGN STRUCTURE (BRIDGE MOUNTED WITHOUT WALKWAY)	LB	1,067		
135 (F)	560224	INSTALL SIGN STRUCTURE (BRIDGE MOUNTED WITHOUT WALKWAY)	LB	1,067		
136	560244	FURNISH LAMINATED PANEL SIGN (1"-TYPE A)	SQFT	5,750		
137	560245	FURNISH LAMINATED PANEL SIGN (1"-TYPE B)	SQFT	160		
138	560248	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	SQFT	760		
139	560249	FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED)	SQFT	690		
140	560251	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-FRAMED)	SQFT	290		

**BID ITEM LIST**  
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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
141	560252	FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-FRAMED)	SQFT	180		
142	020221	FURNISH LAMINATED PANEL SIGN (2 5/8" - TYPE B)	SQFT	340		
143	561004	30" CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	LF	70		
144	561016	60" CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	LF	730		
145	020222	METAL (WALL MOUNTED SIGN)	LB	450		
146	566011	ROADSIDE SIGN - ONE POST	EA	83		
147	566012	ROADSIDE SIGN - TWO POST	EA	35		
148	568001	INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)	EA	74		
149	568023	INSTALL ROADSIDE SIGN (LAMINATED WOOD BOX POST)	EA	2		
150	620100	18" ALTERNATIVE PIPE CULVERT	LF	4,720		
151	620140	24" ALTERNATIVE PIPE CULVERT	LF	4,440		
152	620220	36" ALTERNATIVE PIPE CULVERT	LF	1,830		
153	650034	48" REINFORCED CONCRETE PIPE	LF	2,780		
154	690105	8" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	LF	164		
155	703233	GRATED LINE DRAIN	LF	100		
156 (F)	703450	WELDED STEEL PIPE CASING (BRIDGE)	LF	152		
157	705311	18" ALTERNATIVE FLARED END SECTION	EA	6		
158	705315	24" ALTERNATIVE FLARED END SECTION	EA	2		
159	707217	36" PRECAST CONCRETE PIPE MANHOLE	LF	7		
160	721009	ROCK SLOPE PROTECTION (FACING, METHOD B)	CY	4		

**BID ITEM LIST**  
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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
181	839703	CONCRETE BARRIER (TYPE 60C)	LF	1,820		
182 (F)	839704	CONCRETE BARRIER (TYPE 60D)	LF	493		
183	020225	CONCRETE BARRIER (TYPE 60GE MODIFIED)	LF	300		
184 (F)	839725	CONCRETE BARRIER (TYPE 736)	LF	997		
185	840504	4" THERMOPLASTIC TRAFFIC STRIPE	LF	195,000		
186	840506	8" THERMOPLASTIC TRAFFIC STRIPE	LF	22,000		
187	840508	8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	LF	10,700		
188	840515	THERMOPLASTIC PAVEMENT MARKING	SQFT	6,750		
189	840521	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 6-1)	LF	650		
190	840525	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	LF	240,000		
191	840526	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7)	LF	8,970		
192	840656	PAINT TRAFFIC STRIPE (2-COAT)	LF	389,000		
193	840666	PAINT PAVEMENT MARKING (2-COAT)	SQFT	1,700		
194	850101	PAVEMENT MARKER (NON-REFLECTIVE)	EA	40,500		
195	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	23,700		
196	860090	MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS	LUMP SUM	LUMP SUM	
197	860251	SIGNAL AND LIGHTING (LOCATION 1)	LS	LUMP SUM	LUMP SUM	
198	860252	SIGNAL AND LIGHTING (LOCATION 2)	LS	LUMP SUM	LUMP SUM	
199	860253	SIGNAL AND LIGHTING (LOCATION 3)	LS	LUMP SUM	LUMP SUM	
200	860254	SIGNAL AND LIGHTING (LOCATION 4)	LS	LUMP SUM	LUMP SUM	

**BID ITEM LIST**  
**12-0G3304**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
221	860990	CLOSED CIRCUIT TELEVISION SYSTEM	LS	LUMP SUM	LUMP SUM	
222	861107	RAMP METERING SYSTEM (LOCATION 7)	LS	LUMP SUM	LUMP SUM	
223	861108	RAMP METERING SYSTEM (LOCATION 8)	LS	LUMP SUM	LUMP SUM	
224	861109	RAMP METERING SYSTEM (LOCATION 9)	LS	LUMP SUM	LUMP SUM	
225	861110	RAMP METERING SYSTEM (LOCATION 10)	LS	LUMP SUM	LUMP SUM	
226	020234	RAMP METERING SYSTEM (LOCATION 1 AND 2)	LS	LUMP SUM	LUMP SUM	
227	020235	RAMP METERING SYSTEM (LOCATION 3 AND 4)	LS	LUMP SUM	LUMP SUM	
228	020236	RAMP METERING SYSTEM (LOCATION 5 AND 6)	LS	LUMP SUM	LUMP SUM	
229	020237	WEIGH STATION BYPASS SYSTEM (REMOVE)	LS	LUMP SUM	LUMP SUM	
230	861204	WEIGH STATION BYPASS SYSTEM	LS	LUMP SUM	LUMP SUM	
231	BLANK					
232	820110	MILEPOST MARKER	EA	48		
233	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	