

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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March 17, 2014

12-Ora-5-3.7/6.2

12-0F96C4

Project ID 1200020278

ACNHPI-005-2(966)75E

CMLN-6212(015)E

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN ORANGE COUNTY IN THE CITIES OF SAN CLEMENTE AND DANA POINT FROM 0.3 MILES SOUTH OF AVENIDA VISTA HERMOSA OVERCROSSING TO 0.5 MILES SOUTH OF CAMINO LAS RAMBLAS UNDERCROSSING.

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 17, 2014, instead of the original date of Thursday, March 27, 2014.

This addendum is being issued to set a new bid opening date as shown here in, revise the project plans, the *Notice to Bidders and Special Provisions*, and the *Bid book*.

Project plan sheets 2, 9, 34, 39, 40, 41, 44, 45, 46, 49, 50, 51, 52, 53, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 73, 108, 110, 124, 134, 138, 149, 151, 163, 164, 167, 176, 186, 200, 202, and 342 are replaced and attached for substitution for the like-numbered sheets.

In the *Notice to Bidders*, the eleventh paragraph is replaced as follows:

"Complete the work, excluding plant establishment work, within 500 working days."

In the *Special Provisions*, Section 9-1.1.16C, is replaced as attached.

In the *Special Provisions*, Section 15-2.02B(3), "COLD PLANING ASPHALT CONCRETE PAVEMENT," is added as attached.

In the *Special Provisions*, DIVISION VIII "MISCELLANEOUS CONSTRUCTION," Section 73, "CONCRETE CURBS AND SIDEWALKS," is added as attached.

Addendum No. **2**
Page 2
March 17, 2014

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In the *Bid* book, in the "Bid Item List," Items 31, 53, 123, 145, 180, and 200 are replaced, Items 249, 250, 251, 252, 253, 254, and 255 are added and Item 248 is deleted as attached.

To *Bid* book holders:

In the *Bid* book, pages 4, 5, 9, 10, 11, 12, and 15 of the "Bid Item List" are replaced as attached. The attached 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.

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/12/12-0F96C4

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,



MOHSEN SULTAN
Chief, Office of Plans, Specifications & Estimates
Office Engineer
Division of Engineering Services

Attachments

9 PAYMENT

Add to section 9-1.16C:

The following items are eligible for progress payment even if they are not incorporated into the work:

1. Control and Neutral Conductors
2. Electric Remote Control Valve
3. Remote Control Flow Sensing Master Valve
4. 48 Station Irrigation Controller (Pedestal Mounted)
5. Plastic Pipe (PR315) (Supply Line)
6. Irrigation Controllers Enclosure Cabinet
7. Sprinklers
8. Plastic Pipe (Schedule 40) (Supply Line)
9. Ball Valve
10. Welded Steel Pipe Conduit
11. Bar Reinforcing Steel
12. Reinforced Concrete Pipe
13. Plastic Pipe (Edge Drain)
14. Plastic Pipe (Edge Drain Outlet)
15. Alternative Pipe Underdrain
16. Miscellaneous Iron And Steel
17. Miscellaneous Metal
18. Metal Beam Guard Railing (Wood Post)
19. Cable Railing
20. Transition Railing (Type WB)
21. Pavement Marker
22. Prestressing steel for cast-in-place members, sealed packages only, and prestressing ducts and anchorages
23. Ground Anchor (Vertical)
24. Ground Anchor (Subhorizontal)
25. Sound Wall (Masonry Block)
26. Joint Seal (MR 1 1/2")
27. Furnish Sign Structure
28. Lighting and Signal Standards
29. Luminaires
30. Lighting Fixtures
31. Splice Vaults
32. Type A, Type B, and Type C fiber optic cables
33. Pavement Reinforcement
34. Tie Bars
35. Tie Bar Baskets
36. Dowel Bars
37. Dowel Bar Baskets

Replace section 15-2.02B(3) with:

15-2.02B(3) Cold Planing Asphalt Concrete Pavement

15-2.02B(3)(a) General

Schedule cold planing activities to ensure that cold planing, placement of HMA, and reopening the area to traffic is completed during the same work shift.

If you do not complete HMA placement before opening the area to traffic, you must:

1. Construct a temporary HMA taper to the level of the existing pavement
2. Place HMA during the next work shift
3. Submit a corrective action plan that shows you will complete cold planing and placement of HMA in the same work shift. Do not restart cold planing activities until the Engineer approves the corrective action plan.

15-2.02B(3)(b) Materials

Use the same quality of HMA for temporary tapers that is used for the HMA overlay or comply with the specifications for minor HMA in section 39.

15-2.02B(3)(c) Construction

15-2.02B(3)(c)(i) General

Do not use a heating device to soften the pavement.

The cold planing machine must be:

1. Equipped with a cutter head width that matches the planing width. If the cutter head width is wider than the cold plane area shown, submit to the Engineer a request for using a wider cutter head. Do not cold plane unless the Engineer approves your request.
2. Equipped with automatic controls for the longitudinal grade and transverse slope of the cutter head and:
 - 2.1. If a ski device is used, it must be at least 30 feet long, rigid, and a 1-piece unit. The entire length must be used in activating the sensor.
 - 2.2. If referencing from existing pavement, the cold planing machine must be controlled by a self-contained grade reference system. The system must be used at or near the centerline of the roadway. On the adjacent pass with the cold planing machine, a joint-matching shoe may be used.
3. Equipped to effectively control dust generated by the planing operation
4. Operated so that no fumes or smoke is produced.

Replace broken, missing, or worn machine teeth.

15-2.02B(3)(c)(ii) Grade Control and Surface Smoothness

Furnish, install, and maintain grade and transverse slope references.

The depth, length, width, and shape of the cut must be as shown or as ordered. The final cut must result in a neat and uniform surface. Do not damage the remaining surface.

The completed surface of the planed asphalt concrete pavement must not vary more than 0.02 foot when measured with a 12-foot straightedge parallel with the centerline. With the straightedge at right angles to the centerline, the transverse slope of the planed surface must not vary more than 0.03 foot.

Where lanes are open to traffic, the drop-off of between adjacent lanes must not be more than 0.15 foot.

15-2.02B(3)(c)(iii) Temporary HMA Tapers

If a drop-off between the existing pavement and the planed area at transverse joints cannot be avoided before opening to traffic, construct a temporary HMA taper. The HMA temporary taper must be:

1. Placed to the level of the existing pavement and tapered on a slope of 30:1 (horizontal:vertical) or flatter to the level of the planed area
2. Compacted by any method that will produce a smooth riding surface

Completely remove temporary tapers before placing permanent surfacing.

15-2.02B(3)(c)(iv) Remove Planed Material

Remove cold planed material concurrent with planing activities so that removal does not lag more than 50 feet behind the planer.

15-2.02B(3)(d) Payment

Payment for removal of pavement markers, thermoplastic traffic stripe, painted traffic stripe, and pavement marking within the area of cold planing is included in the payment for cold plane asphalt concrete pavement of the types shown in the Bid Item List.

DIVISION VIII MISCELLANEOUS CONSTRUCTION

73 CONCRETE CURBS AND SIDEWALKS

Add to section 73-3.01C:

Within 2 business days of performing the surveys, submit preconstruction and post construction surveys signed and sealed by one of the following:

1. Land surveyor registered in the State
2. Civil engineer registered in the State

Add to section 73-3.01D:

For locations shown, perform a preconstruction survey to verify that forms and site constraints will allow the design dimensioning and slope requirements to be achieved. Upon completing construction of these facilities, perform a post construction survey and verify that design dimensioning and slope requirements were achieved. The post construction survey must include a minimum of 3 measurements for each dimension and slope requirement shown. Individual measurements must be equally distributed across the specified slope or dimensional surface.

Add before the 1st paragraph in section 73-3.03:

Before placing concrete, verify that forms and site constraints allow the required dimensioning and slopes shown. Immediately notify the Engineer if you encounter site conditions that will not accommodate the design details. Modifications ordered by the Engineer are change order work.

**BID ITEM LIST
12-0F96C4**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	130620	TEMPORARY DRAINAGE INLET PROTECTION	EA	220		
22	130640	TEMPORARY FIBER ROLL	LF	48,600		
23	130660	TEMPORARY LARGE SEDIMENT BARRIER	LF	3,940		
24	130710	TEMPORARY CONSTRUCTION ENTRANCE	EA	19		
25	130730	STREET SWEEPING	LS	LUMP SUM	LUMP SUM	
26	130900	TEMPORARY CONCRETE WASHOUT	LS	LUMP SUM	LUMP SUM	
27	141000	TEMPORARY FENCE (TYPE ESA)	LF	10,600		
28	141103	REMOVE YELLOW THERMOPLASTIC TRAFFIC STRIPE (HAZARDOUS WASTE)	LF	28,300		
29	141109	ADL BURIAL LOCATION REPORT	LS	LUMP SUM	LUMP SUM	
30	141120	TREATED WOOD WASTE	LB	24,100		
31	150204	ABANDON CULVERT (LF)	LF	630		
32	150661	REMOVE GUARDRAIL	LF	1,830		
33	150668	REMOVE FLARED END SECTION	EA	1		
34	150685	REMOVE IRRIGATION FACILITY	LS	LUMP SUM	LUMP SUM	
35	150711	REMOVE PAINTED TRAFFIC STRIPE	LF	111,000		
36	150712	REMOVE PAINTED PAVEMENT MARKING	SQFT	27		
37	150742	REMOVE ROADSIDE SIGN	EA	10		
38	150757	REMOVE SIGN STRUCTURE (EA)	EA	9		
39	150771	REMOVE ASPHALT CONCRETE DIKE	LF	130		
40	150809	REMOVE CULVERT (LF)	LF	1,510		

BID ITEM LIST
12-0F96C4

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	150812	REMOVE PIPE (LF)	LF	990		
42	150820	REMOVE INLET	EA	76		
43	150821	REMOVE HEADWALL	EA	3		
44	150850	REMOVE SLOPE PAVING (SQFT)	SQFT	1,439		
45	152320	RESET ROADSIDE SIGN	EA	15		
46	152390	RELOCATE ROADSIDE SIGN	EA	23		
47	153215	REMOVE CONCRETE (CURB AND GUTTER)	LF	1,430		
48	153220	REMOVE CONCRETE (CHANNEL)	CY	220		
49	153221	REMOVE CONCRETE BARRIER	LF	2,090		
50	153248	REMOVE CONCRETE (MISCELLANEOUS) (SQFT)	SQFT	500		
51	153253	REMOVE SOUND WALL (SQFT)	SQFT	3,910		
52	155003	CAP INLET	EA	4		
53	155232	SAND BACKFILL	CY	56		
54	157560	BRIDGE REMOVAL (PORTION)	LS	LUMP SUM	LUMP SUM	
55	160102	CLEARING AND GRUBBING (LS)	LS	LUMP SUM	LUMP SUM	
56	190101	ROADWAY EXCAVATION	CY	219,000		
57	190107	ROADWAY EXCAVATION (TYPE Y-1) (AERIALY DEPOSITED LEAD)	CY	760		
58	044510	GROUND MONITORING PROGRAM	LS	LUMP SUM	LUMP SUM	
59 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	CY	280		
60 (F)	192037	STRUCTURE EXCAVATION (RETAINING WALL)	CY	33,353		

BID ITEM LIST

12-0F96C4

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121	390133	HOT MIX ASPHALT (TYPE B)	TON	390		
122	390134	HOT MIX ASPHALT (OPEN GRADED)	TON	5,850		
123	390137	RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	TON	11,800		
124	394074	PLACE HOT MIX ASPHALT DIKE (TYPE C)	LF	3,730		
125	394076	PLACE HOT MIX ASPHALT DIKE (TYPE E)	LF	9,410		
126	394077	PLACE HOT MIX ASPHALT DIKE (TYPE F)	LF	1,190		
127	394090	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)	SQYD	4		
128	401050	JOINTED PLAIN CONCRETE PAVEMENT	CY	15,100		
129	401055	JOINTED PLAIN CONCRETE PAVEMENT (RSC)	CY	950		
130	460200	GROUND ANCHOR (VERTICAL)	EA	167		
131	460210	GROUND ANCHOR (SUBHORIZONTAL)	EA	147		
132	490603	24" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	1,029		
133	498018	18" CAST-IN-DRILLED-HOLE CONCRETE PILING (SOUND WALL)	LF	3,069		
134	498022	24" CAST-IN-DRILLED-HOLE CONCRETE PILING (SOUND WALL)	LF	24		
135	498044	36" CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	LF	26		
136	498052	60" CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	LF	270		
137	500001	PRESTRESSING CAST-IN-PLACE CONCRETE	LS	LUMP SUM	LUMP SUM	
138 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	60		
139 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	CY	475		
140 (F)	510060	STRUCTURAL CONCRETE, RETAINING WALL	CY	8,684		

BID ITEM LIST
12-0F96C4

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
141	510081	AGGREGATE BASE (APPROACH SLAB)	CY	259		
142 (F)	510086	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	CY	98		
143	510087	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	CY	259		
144 (F)	510501	MINOR CONCRETE	CY	1		
145 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	CY	428		
146 (F)	026720	MINOR CONCRETE (SOUND WALL)	CY	4		
147	510800	PAVING NOTCH EXTENSION	CF	175		
148 (F)	511035	ARCHITECTURAL TREATMENT	SQFT	2,378		
149 (F)	044511	ARCHITECTURAL TREATMENT (CONCRETE PANEL)	SQFT	36,546		
150 (F)	511064	FRACTURED RIB TEXTURE	SQFT	40,241		
151	511106	DRILL AND BOND DOWEL	LF	12		
152	511110	DRILL AND BOND DOWEL (CHEMICAL ADHESIVE)	EA	190		
153	519091	JOINT SEAL (MR 1 1/2")	LF	332		
154 (F)	520102	BAR REINFORCING STEEL (BRIDGE)	LB	155,790		
155 (F)	520103	BAR REINFORCING STEEL (RETAINING WALL)	LB	1,103,504		
156 (F)	520105	BAR REINFORCING STEEL (SOUND WALL)	LB	964		
157 (F)	530200	STRUCTURAL SHOTCRETE	CY	234		
158 (F)	560203	FURNISH SIGN STRUCTURE (BRIDGE MOUNTED WITH WALKWAY)	LB	3,600		
159 (F)	560204	INSTALL SIGN STRUCTURE (BRIDGE MOUNTED WITH WALKWAY)	LB	3,600		
160 (F)	560213	FURNISH SIGN STRUCTURE (LIGHTWEIGHT)	LB	6,894		

**BID ITEM LIST
12-0F96C4**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
161 (F)	560214	INSTALL SIGN STRUCTURE (LIGHTWEIGHT)	LB	6,894		
162 (F)	560218	FURNISH SIGN STRUCTURE (TRUSS)	LB	207,560		
163 (F)	560219	INSTALL SIGN STRUCTURE (TRUSS)	LB	207,560		
164 (F)	026721	FURNISH CMS SIGN STRUCTURE	LB	11,277		
165 (F)	026722	INSTALL CMS SIGN STRUCTURE	LB	11,277		
166	560244	FURNISH LAMINATED PANEL SIGN (1"-TYPE A)	SQFT	2,350		
167	560248	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	SQFT	500		
168	560249	FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED)	SQFT	94		
169	560251	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-FRAMED)	SQFT	66		
170	560252	FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-FRAMED)	SQFT	110		
171	562002	METAL (BARRIER MOUNTED SIGN)	LB	410		
172	562004	METAL (RAIL MOUNTED SIGN)	LB	180		
173	566011	ROADSIDE SIGN - ONE POST	EA	12		
174	566012	ROADSIDE SIGN - TWO POST	EA	1		
175	568001	INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)	EA	3		
176	568016	INSTALL SIGN PANEL ON EXISTING FRAME	SQFT	150		
177 (F)	582001	SOUND WALL (MASONRY BLOCK)	SQFT	44,794		
178 (F)	026723	ACCESS GATE (SOUND WALL) (MODIFIED)	EA	3		
179	650014	18" REINFORCED CONCRETE PIPE	LF	830		
180	650018	24" REINFORCED CONCRETE PIPE	LF	3,600		

BID ITEM LIST
12-0F96C4

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
181	650424	36" REINFORCED CONCRETE PIPE (CLASS IV)	LF	78		
182	680283	3" PLASTIC PIPE UNDERDRAIN	LF	375		
183	680285	4" PLASTIC PIPE UNDERDRAIN	LF	413		
184	681103	3" PLASTIC PIPE (EDGE DRAIN)	LF	5,280		
185	681107	3" PLASTIC PIPE (EDGE DRAIN OUTLET)	LF	440		
186	681132	GEOCOMPOSITE DRAIN	SQFT	785		
187	685020	8" ALTERNATIVE PIPE UNDERDRAIN	LF	14,500		
188	703233	GRATED LINE DRAIN	LF	44		
189	705315	24" ALTERNATIVE FLARED END SECTION	EA	2		
190	708041	18" ALTERNATIVE PIPE RISER	LF	14		
191 (F)	721019	ROCK SLOPE PROTECTION (NO. 3, METHOD B) (CY)	CY	21		
192	721420	CONCRETE (DITCH LINING)	CY	230		
193	044512	SLOPE PAVING (ROCK BLANKET)	CY	310		
194	026724	SLOPE PAVING (RANDOM SLATE PATTERN)	CY	108		
195	729011	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	63		
196	730040	MINOR CONCRETE (GUTTER) (LF)	LF	3,066		
197	731504	MINOR CONCRETE (CURB AND GUTTER)	CY	17		
198	731530	MINOR CONCRETE (TEXTURED PAVING)	CY	1,170		
199	731623	MINOR CONCRETE (CURB RAMP)	CY	35		
200 (F)	750001	MISCELLANEOUS IRON AND STEEL	LB	51,613		

**BID ITEM LIST
12-0F96C4**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
241	026738	RAMP METERING SYSTEM (LOCATION 5) (STAGE CONSTRUCTION)	LS	LUMP SUM	LUMP SUM	
242	026739	RAMP METERING SYSTEM (LOCATION 6) (STAGE CONSTRUCTION)	LS	LUMP SUM	LUMP SUM	
243	026740	RELOCATE EXTINGUISHABLE MESSAGE SIGN	LS	LUMP SUM	LUMP SUM	
244	026741	TEMPORARY COMMUNICATION SYSTEM	LS	LUMP SUM	LUMP SUM	
245	026742	MODIFY COMMUNICATION SYSTEM	LS	LUMP SUM	LUMP SUM	
246	869075	SYSTEM TESTING AND DOCUMENTATION	LS	LUMP SUM	LUMP SUM	
247	869080	TRAINING	LS	LUMP SUM	LUMP SUM	
248	BLANK					
249	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
250	128652	PORTABLE CHANGEABLE MESSAGE SIGN (LS)	LS	LUMP SUM	LUMP SUM	
251	150714	REMOVE THERMOPLASTIC TRAFFIC STRIPE	LF	50,000		
252	150715	REMOVE THERMOPLASTIC PAVEMENT MARKING	SQFT	300		
253	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	800		
254	733000	PRE/POST CONSTRUCTION SURVEYS	EA	6		
255	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID:

\$
