

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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April 7, 2014

12-Ora-5-3.7/6.2

12-0F96C4

Project ID 1200020278

ACNHPI-005-2(966)75E

CMLN-6212(015)E

Addendum No. 3

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.

This addendum is being issued to revise the project plans, the *Notice to Bidders and Special Provisions*, the *Bid* book.

Project plan sheets 2, 3, 19, 20, 31, 41, 42, 342, 349, and 399 are replaced and attached for substitution for the like-numbered sheets.

In the Special Provisions, Section 19-3.03A is replaced as attached.

In the Special Provisions, Section 24-2.03C is added as attached.

In the Special Provisions, Section 39-1.03B is added as attached.

In the Special Provisions, Section 39-1.02E is replaced as attached.

In the Special Provisions, Section 39-4.04A, is added as attached.

In the *Bid* book, in the "Bid Item List," Items 114, 118, 119, and 212 are replaced, Items 256 and 257 are added and Items 69 and 255 are deleted as attached.

To *Bid* book holders:

In the *Bid* book, pages 6, 8, 13, 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*.

Addendum No. 3
Page 2
April 7, 2014

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Project ID 1200020278
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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

Replace "Reserved" in section 19-3.03A with:

Where shown, remove material below the bottom of retaining wall footings. Replace with Class 2 aggregate base or structure backfill as specified for structure backfill in section 19-3.02B and place and compact as specified for structure backfill in section 19-3.03E. Relative compaction must be at least 95 percent.

A relative compaction of at least 95 percent must be obtained to 0.67 feet below the bottom of excavated unstable material at the following locations:

Retaining Wall / Sound Wall name and number
RW 218R (No. 55E0129)
RW 240R
SW 250L
RW 274R
RW 275L
SW 278L
RW 280R
RW 287L
SW 294L
RW 297L
RW 302R (No. 55E0131)
RW 330R

A ground monitoring program must be implemented during construction to monitor movement of the ground and slopes behind Retaining Wall No. 218R (No. 55E0129), 240R, 280R, and 302R (No. 55E0131).

Ground monitoring must consist of the measurement and plotting of the movement of temporary surface monuments and inclinometers in which the elevation, position and angle are predetermined. Temporary surface monuments must be placed in the ground 10 feet behind the top edge of the temporary construction slope, placed near the midpoint of each temporary construction slope and tallest section of excavation, and spaced at intervals of no more than 150 feet along the retaining wall alignment. Slope inclinometers must be placed near the top edge of the temporary construction slope, placed near the midpoint of each temporary construction slope, spaced at intervals of no more than 300 feet along the retaining wall alignment, and must extend from the ground surface to a depth of 10 feet below the toe of the existing slopes. The exact locations of the temporary surface monuments and slope inclinometers must be reviewed and approved by the Engineer.

Temporary surface monuments and slope inclinometers must be installed prior to the excavation of the temporary slopes for retaining wall construction. The temporary surface monuments must be measured by a licensed surveyor and the slope inclinometers must be measured under the direction of the Engineer. Monitoring must be in accordance with the following schedule:

1. Initial reading: prior to excavation for the retaining walls
2. During retaining wall construction: each working day
3. First month after completion of retaining wall: once per week
4. Thereafter: once per two weeks until the completion of the entire length of retaining wall construction

Submit movement measurements and plots for review at the end of each working day during retaining wall construction. Collect and plot movement monitoring data as directed by the Engineer. Plot data as movement (accurate to 1/16 of an inch) versus time (in days).

If the measured vertical or lateral movement of the temporary surface monuments is over one half of an inch (1/2") or if the measured lateral movement of the slope inclinometers is over one quarter of an inch (1/4"), construction of the retaining wall must be stopped immediately and the frequency of measuring the monuments shall increase as directed by the Engineer. If movement continues to increase based on the more frequent measurements, a plan to mitigate movement must be immediately prepared by the contractor and submitted to the Engineer for review and approval before construction can resume.

Remove the temporary surface monuments and slope inclinometers and restore the area to its original condition after construction of the entire wall is completed.

Add to section 24-2.03C:

Add lime to the material to be stabilized at the rate of 6 percent by weight of the dry material. The exact rate is ordered based on achieving an unconfined compressive strength of the lime stabilized material of 300 lb/sq in, determined under California Test 373.

Add to section 39-1.03B:

For the mix design of HMA Type A, Type B and RHMA-G produced under the QC/QA construction process, determine the plasticity index of the aggregate blend under California Test 204. Choose an antistrip treatment and use the corresponding laboratory procedure for the mix design based on the antistrip treatments shown in the following table:

Antistrip treatment	Laboratory procedure
Plasticity index from 4 to 10 ^a	
Dry hydrated lime with marination	LP-6
Lime slurry with marination	LP-7
Plasticity index less than 4	
Liquid	LP-5
Dry hydrated lime without marination	LP-6
Dry hydrated lime with marination	LP-6
Lime slurry with marination	LP-7

^a If the plasticity index is greater than 10, do not use that aggregate blend.

For the mix design of HMA Type A and Type B produced under the QC/QA construction process, determine the tensile strength ratio under California Test 371 on untreated HMA. If the tensile strength ratio is less than 70:

1. Choose from the antistrip treatments specified based on the plasticity index
2. Test treated HMA under California Test 371
3. Treat to a minimum tensile strength ratio of 70

For the mix design of RHMA-G produced under the QC/QA construction process:

1. Determine the tensile strength ratio under California Test 371 on untreated RHMA-G. Comply with the following:
 - 1.1. If the test result is greater than or equal to 70, the Engineer does not require further tensile strength ratio testing or plasticity index testing for mix design.
 - 1.2. If the tensile strength ratio for untreated RHMA-G is less than 70:
 - 1.2.1. Determine the plasticity index of the aggregate blend under California Test 204.
 - 1.2.2. Choose an antistrip treatment based on the table titled "Antistrip Treatment Laboratory Procedures for Mix Design" and treat RHMA-G.
 - 1.2.3. Determine the tensile strength ratio under California Test 371 on treated RHMA-G.
2. If the tensile strength ratio testing for treated RHMA-G is greater than or equal to 70, use that antistrip treatment in the mix design.
3. If the tensile strength ratio testing for treated RHMA-G is less than 70, the minimum tensile strength specification is waived, but you must use any of the following:
 - 3.1. HMA aggregate lime treatment – slurry method.
 - 3.2. HMA aggregate lime treatment – dry hydrated lime method, with or without marination.
 - 3.3. Liquid antistrip treatment using 0.5 percent liquid antistrip.

Determine the OBC for RHMA-G at 5 percent air voids under California Test 367. The OBC must be greater than or equal to 7.5 percent based on the total weight of mix.

Do not test HMA-O aggregate for plasticity index and tensile strength ratio.

Add to section 39-1.02E:

Aggregate used in HMA Type A must comply with the $\frac{3}{4}$ -inch HMA Types A and B gradation.

Aggregate used in HMA Type B must comply with the $\frac{3}{4}$ -inch HMA Types A and B gradation.

Aggregate for HMA-O must comply with the 1/2-inch OGFC gradation.

Treat HMA-O aggregate with the same antistrip treatment used for HMA Type A.

Do not test HMA-O aggregate for plasticity index and tensile strength ratio.

Aggregate for RHMA-G must comply with the 1/2-inch RHMA-G gradation.

Replace the row for Hamburg Wheel Tracker (inflection point minimum number of passes) in the table of the RSS for section 39-4.04A with:

Hamburg Wheel Tracker (inflection point minimum number of passes) ^j	AASHTO T 324 (Modified)			
PG-58			10,000	10,000
PG-64			10,000	10,000
PG-70			20,000	20,000
PG-76 or higher			25,000	25,000

CONTRACT NO. 12-0F96C4
 ADDED PER ADDENDUM NO. 3 DATED APRIL 7, 2014

BID ITEM LIST
12-0F96C4

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61 (F)	192060	STRUCTURE EXCAVATION (GROUND ANCHOR WALL)	CY	504		
62 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	CY	217		
63 (F)	193006	STRUCTURE BACKFILL (SLURRY CEMENT)	CY	3		
64 (F)	193013	STRUCTURE BACKFILL (RETAINING WALL)	CY	25,705		
65 (F)	193027	STRUCTURE BACKFILL (GROUND ANCHOR WALL)	CY	42		
66	193031	PERVIOUS BACKFILL MATERIAL (RETAINING WALL)	CY	1,212		
67	194001	DITCH EXCAVATION	CY	730		
68	200002	ROADSIDE CLEARING	LS	LUMP SUM	LUMP SUM	
69	BLANK					
70	200122	WEED GERMINATION	SQYD	81,300		
71	200123	CULTIVATION	SQYD	81,300		
72	202004	IRON SULFATE (LB)	LB	3,690		
73	202006	SOIL AMENDMENT	CY	540		
74	202038	PACKET FERTILIZER	EA	35,100		
75	202039	SLOW-RELEASE FERTILIZER	LB	4,910		
76	204006	PLANT (GROUP F)	EA	81,600		
77	204011	PLANT (GROUP K)	EA	200		
78	204035	PLANT (GROUP A)	EA	11,600		
79	204036	PLANT (GROUP B)	EA	2,420		
80	204096	MAINTAIN EXISTING PLANTED AREAS	LS	LUMP SUM	LUMP SUM	

BID ITEM LIST
12-0F96C4

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101 (F)	208600	3" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	LF	17,654		
102 (F)	208603	8" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	LF	450		
103 (F)	208607	3" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	LF	20,940		
104 (F)	208609	6" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	LF	12,635		
105	208683	BALL VALVE	EA	35		
106	208819	8" WELDED STEEL PIPE CONDUIT	LF	1,110		
107	208820	10" WELDED STEEL PIPE CONDUIT	LF	45		
108	208821	12" WELDED STEEL PIPE CONDUIT	LF	470		
109	210010	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	12		
110	210350	FIBER ROLLS	LF	23,800		
111	210600	COMPOST	SQFT	46,500		
112	210630	INCORPORATE MATERIALS	SQFT	46,500		
113	240105	LIME STABILIZED SOIL	SQYD	86,600		
114	250301	CLASS 3 AGGREGATE SUBBASE	CY	45,500		
115	260203	CLASS 2 AGGREGATE BASE (CY)	CY	8,050		
116	280000	LEAN CONCRETE BASE	CY	5,540		
117	280015	LEAN CONCRETE BASE RAPID SETTING	CY	350		
118	290201	ASPHALT TREATED PERMEABLE BASE	CY	2,150		
119	360200	BASE BOND BREAKER	SQYD	35,800		
120	390132	HOT MIX ASPHALT (TYPE A)	TON	31,400		

BID ITEM LIST
12-0F96C4

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
201 (F)	750500	MISCELLANEOUS METAL	LB	985		
202	820107	DELINEATOR (CLASS 1)	EA	270		
203	820112	MARKER (CULVERT)	EA	11		
204	820118	GUARD RAILING DELINEATOR	EA	130		
205	832007	MIDWEST GUARDRAIL SYSTEM (WOOD POST)	LF	2,040		
206	832070	VEGETATION CONTROL (MINOR CONCRETE)	SQYD	1,440		
207 (F)	839521	CABLE RAILING	LF	3,038		
208	839543	TRANSITION RAILING (TYPE WB-31)	EA	11		
209	839581	END ANCHOR ASSEMBLY (TYPE SFT)	EA	16		
210	839584	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	10		
211	839585	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	11		
212	839699	CONCRETE BARRIER (TYPE 60P)	LF	300		
213	839703	CONCRETE BARRIER (TYPE 60C)	LF	1,770		
214	839704	CONCRETE BARRIER (TYPE 60D)	LF	3,230		
215 (F)	839727	CONCRETE BARRIER (TYPE 736 MODIFIED)	LF	398		
216 (F)	044513	CONCRETE BARRIER (TYPE 736S MODIFIED 2)	LF	2,187		
217 (F)	044514	CONCRETE BARRIER (TYPE 736SV MODIFIED)	LF	102		
218 (F)	044515	CONCRETE BARRIER (TYPE 736S MODIFIED 1)	LF	1,299		
219 (F)	044516	CONCRETE BARRIER (TYPE 736S MODIFIED 3)	LF	194		
220	840516	THERMOPLASTIC PAVEMENT MARKING (ENHANCED WET NIGHT VISIBILITY)	SQFT	5,360		

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	BLANK					
256	240100	LIME	TON	2,040		
257	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID:

\$
