

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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*Serious Drought.
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December 11, 2014

08-SBd-40-R94.7/R99.7

08-0N56U4

Project ID 0813000176

ACNHPI-040-2(062)95E

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN SAN BERNARDINO COUNTY NEAR ESSEX AT HALLER WASH BRIDGE AT ROJO WASH BRIDGE AND AT CLIPPER VALLEY WASH BRIDGE.

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, December 18, 2014.

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

Project plan sheets 129 and 130 are replaced and attached for substitution for the like-numbered sheets.

In the Special Provisions, Section 1-1.01 is replaced as attached.

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

In the Special Provisions, Section 19-7.04, is added as attached.

In the Special Provisions, Section 39, "HOT MIX ASPHALT," is replaced as attached.

In the Special Provisions, Section 80-4.01C, "Construction," is deleted.

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In the *Bid* book, in the "Bid Item List," Items 2 and 39 are replaced.

In the *Bid* book, in the "Bid Item List," Items 90 and 91 are added.

In the *Bid* book, in the "Bid Item List," Items 51 and 89 are deleted.

To *Bid* book holders:

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*.

Submit the *Bid* book as described in the *Electronic Bidding Guide* at the Bidders' Exchange website.

http://www.dot.ca.gov/hq/esc/oe/electronic_bidding/electronic_bidding.html

Inform subcontractors and suppliers as necessary.

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

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/08/08-0N56U4

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 Contracting Systems
Office Engineer
Division of Engineering Services

Attachments

Add to section 1-1.01:

Bid Items and Applicable Sections

Item code	Item description	Applicable section
860400	LIGHTING (TEMPORARY)	12
027597	REMOVE CONCRETED ROCK SLOPE PROTECTION	15
044656	ERECT PRECAST PRESTRESSED CONCRETE BULB TEE GIRDER	51
027598	TEMPORARY FENCE (TYPE DESERT TORTOISE)	80

Replace section 15-2.02B(3) with:

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

15-2.02B(3)(a) General

At the locations listed below, 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:

Westbound Route 40, Stage Construction 1A

At the locations listed above, 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.

Replace the 2nd and 3rd paragraphs of section 19-7.04 with:

Imported borrow is measured based on planned or authorized cross section for embankments as shown and the measured ground surface.

Quantities of roadway excavation, structure excavation, and ditch excavation used in constructing the embankment will be adjusted by multiplying by a grading factor. This grading factor is determined by the Engineer. The Department does not adjust payment if the grading factor determined by the Engineer does not equal the actual grading factor.

Delete the 3rd and 4th paragraphs in section 39-1.02B(2) of the RSS for section 39.

Add to section 39-1.02D(3)(a) of the RSS for section 39:

Treat aggregate with lime slurry marination.

Replace the row for combined in the table in the 7th paragraph of section 39-1.02D(3)(a) of the RSS for section 39 with:

Combined	1.0–1.5
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Replace section 39-1.03C(3) of the RSS for section 39 with:

39-1.03C(3) Prime Coat

Apply a slow-setting asphaltic emulsion as a prime coat to aggregate base areas designated by the Engineer. Apply prime coat at a spread rate of 0.15 to 0.40 gal/sq yd. Do not apply more prime coat than can be absorbed completely by the aggregate base in 24 hours.

If you request and the request is authorized, you may modify prime coat application rates.

Close areas receiving prime coat to traffic. Do not track prime coat onto pavement surfaces beyond the job site.

Replace the 2nd, 3rd, and 4th paragraphs of section 39-1.03D(1) of the RSS for section 39 with:

Place HMA on adjacent traveled way lanes so that at the end of each work shift the distance between the ends of HMA layers on adjacent lanes is from 5 to 10 feet. Place additional HMA along the transverse edge at each lane's end and along the exposed longitudinal edges between adjacent lanes. Hand rake and compact the additional HMA to form temporary conforms. You may place kraft paper or another authorized release agent under the conform tapers to facilitate the taper removal when paving activities resume.

Delete section 39-1.03D(2) of the RSS for section 39.

Replace section 39-1.03K of the RSS for section 39 with:

39-1.03K Rumble Strips

Construct rumble strips in the top layer of HMA surfacing by ground-in methods.

Select the method and equipment for constructing ground-in indentations.

Do not construct rumble strips on structures or approach slabs.

Construct rumble strips within 2 inches of the specified alignment. The grinding equipment must be equipped with a sighting device enabling the operator to maintain the rumble strip alignment.

Indentations must comply with the specified dimensions within 1/16 inch in depth and 10 percent in length and width.

The Engineer orders grinding or removal and replacement of noncompliant rumble strips to bring them within specified tolerances. Ground surface areas must be neat and uniform in appearance.

The grinding equipment must be equipped with a vacuum attachment to remove residue from the roadbed.
 Dispose of removed material.

On ground areas, apply fog seal coat under section 37-2.

Add to section 39-1.04 of the RSS for section 39:

Rumble strips are measured by the station along the length of the rumble strips without deductions for gaps between indentations.

Delete the row for moisture susceptibility, dry strength, in the table in item 3 in the list in the paragraph of section 39-2.01D(5) of the RSS for section 39.

Replace the row for moisture susceptibility, wet strength, in the table in item 3 in the list in the paragraph of section 39-2.01D(5) of the RSS for section 39 with:

Moisture susceptibility (min, tensile strength ratio)	AASHTO T 283	70
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Add to the table in item 3 in the list in the paragraph of section 39-2.01D(5) of the RSS for section 39:

Surface abrasion loss (max, g/cm ²) ^h	California Test 360	0.4
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^hIf the project elevation is greater than 1500 feet

Delete the row for moisture susceptibility, dry strength, in the table in the 1st paragraph of section 39-2.02B of the RSS for section 39.

Replace the row for moisture susceptibility, wet strength, in the table in the 1st paragraph of section 39-2.02B of the RSS for section 39 with:

Moisture susceptibility (min, tensile strength ratio)	AASHTO T 283	70
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Add to the table in the 1st paragraph of section 39-2.02B of the RSS for section 39:

Surface abrasion loss (max, g/cm ²) ^f	California Test 360	0.4
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^fIf the project elevation is greater than 1500 feet

Replace "Reserved" in section 39-2.02C of the RSS for section 39 with:

The grade of asphalt binder for Type A HMA must be **PG 64-28M**.

Replace the 1st paragraph and table in section 39-2.02D(2) of the RSS for section 39 with:

Aggregate used in HMA Type A must comply with the 1 inch HMA Type A gradation.

BID ITEM LIST
08-0N56U4

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	070030	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
2	090105	TIME-RELATED OVERHEAD	WDAY	500		
3	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
4	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
5	120120	TYPE III BARRICADE	EA	57		
6	120149	TEMPORARY PAVEMENT MARKING (PAINT)	SQFT	1,010		
7	120159	TEMPORARY TRAFFIC STRIPE (PAINT)	LF	216,000		
8	120165	CHANNELIZER (SURFACE MOUNTED)	EA	1,160		
9	860400	LIGHTING (TEMPORARY)	LS	LUMP SUM	LUMP SUM	
10	120300	TEMPORARY PAVEMENT MARKER	EA	3,910		
11	128651	PORTABLE CHANGEABLE MESSAGE SIGN	EA	7		
12	129000	TEMPORARY RAILING (TYPE K)	LF	6,940		
13	129100	TEMPORARY CRASH CUSHION MODULE	EA	140		
14	130100	JOB SITE MANAGEMENT	LS	LUMP SUM	LUMP SUM	
15	130300	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	LUMP SUM	LUMP SUM	
16	130330	STORM WATER ANNUAL REPORT	EA	4	2,000.00	8,000.00
17	130640	TEMPORARY FIBER ROLL	LF	4,890		
18	130650	TEMPORARY GRAVEL BAG BERM	LF	6,500		
19	130680	TEMPORARY SILT FENCE	LF	3,200		
20	130710	TEMPORARY CONSTRUCTION ENTRANCE	EA	8		

**BID ITEM LIST
08-0N56U4**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	130720	TEMPORARY CONSTRUCTION ROADWAY	CY	750		
22	130900	TEMPORARY CONCRETE WASHOUT	LS	LUMP SUM	LUMP SUM	
23	140003	ASBESTOS COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
24	141120	TREATED WOOD WASTE	LB	52,400		
25	146002	CONTRACTOR-SUPPLIED BIOLOGIST	LS	LUMP SUM	LUMP SUM	
26	150661	REMOVE GUARDRAIL	LF	2,000		
27	150714	REMOVE THERMOPLASTIC TRAFFIC STRIPE	LF	74,300		
28	150715	REMOVE THERMOPLASTIC PAVEMENT MARKING	SQFT	60		
29	150722	REMOVE PAVEMENT MARKER	EA	4,140		
30	150771	REMOVE ASPHALT CONCRETE DIKE	LF	520		
31	151270	SALVAGE METAL BRIDGE RAILING	LF	4,178		
32	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	39,700		
33	027597	REMOVE CONCRETED ROCK SLOPE PROTECTION	CY	5,290		
34	157551	BRIDGE REMOVAL, LOCATION A	LS	LUMP SUM	LUMP SUM	
35	157552	BRIDGE REMOVAL, LOCATION B	LS	LUMP SUM	LUMP SUM	
36	157553	BRIDGE REMOVAL, LOCATION C	LS	LUMP SUM	LUMP SUM	
37	160102	CLEARING AND GRUBBING	LS	LUMP SUM	LUMP SUM	
38	170101	DEVELOP WATER SUPPLY	LS	LUMP SUM	LUMP SUM	
39	190101	ROADWAY EXCAVATION	CY	37,900		
40	190185	SHOULDER BACKING	TON	370		

BID ITEM LIST
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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	CY	7,269		
42 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	CY	4,971		
43	198010	IMPORTED BORROW (CY)	CY	27,800		
44	210130	DUFF	ACRE	18		
45	210430	HYDROSEED	SQFT	782,000		
46	260203	CLASS 2 AGGREGATE BASE	CY	8,300		
47	390132	HOT MIX ASPHALT (TYPE A)	TON	22,300		
48	394053	SHOULDER RUMBLE STRIP (HMA,GROUND-IN INDENTATIONS)	STA	400		
49	394076	PLACE HOT MIX ASPHALT DIKE (TYPE E)	LF	99		
50	394077	PLACE HOT MIX ASPHALT DIKE (TYPE F)	LF	225		
51	BLANK					
52	397005	TACK COAT	TON	12		
53	500020	PRESTRESSING PRECAST GIRDER	LS	LUMP SUM	LUMP SUM	
54 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	1,211		
55 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	CY	4,698		
56 (F)	510086	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	CY	477		
57	512223	FURNISH PRECAST PRESTRESSED CONCRETE BOXGIRDER (60'-70')	EA	20		
58	512224	FURNISH PRECAST PRESTRESSED CONCRETE BOXGIRDER (70'-80')	EA	20		
59	512226	FURNISH PRECAST PRESTRESSED CONCRETE BOXGIRDER (90'-100')	EA	50		
60	512280	FURNISH PRECAST PRESTRESSED CONCRETE BULB-TEE GIRDER (110'-120')	EA	12		

**BID ITEM LIST
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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81	832005	MIDWEST GUARDRAIL SYSTEM	LF	2,470		
82	839543	TRANSITION RAILING (TYPE WB-31)	EA	13		
83	839585	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	13		
84 (F)	839725	CONCRETE BARRIER (TYPE 736)	LF	4,366		
85	840515	THERMOPLASTIC PAVEMENT MARKING	SQFT	60		
86	840560	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)	LF	98,600		
87	850101	PAVEMENT MARKER (NON-REFLECTIVE)	EA	2,750		
88	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	1,390		
89	BLANK					
90	390100	PRIME COAT	TON	24		
91	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID:

\$
