

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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Be energy efficient!*

March 13, 2014

11-Imp-86-11.3 / 20.6

11-2M5104

Project ID 1100020425

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN IMPERIAL COUNTY IN AND NEAR IMPERIAL AND BRAWLEY FROM 15TH STREET TO SOUTH JUNCTION ROUTE 78.

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, March 20, 2014.

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

Project plan sheet 32A is added and attached for addition to the project plans.

In the *Notice to Bidders and Special Provisions*, in the "STANDARD PLANS LIST," the following Standard Plan is added as follows:

"RSP ES-5D "Electrical Systems (Curb Termination and Handhole)."

In the *Notice to Bidders*, the seventh paragraph is revised as follows:

"The Contractor must have either a Class A license or any combination of the following Class C licenses which constitutes a majority of the work: C-12, C-31, C-32."

In the Special Provisions, DIVISION I "GENERAL PROVISIONS," Section 8-1.04C, "DELAYED START," is added as attached.

In the Special Provisions, DIVISION II "GENERAL CONSTRUCTION," Section 12-4.03, "CLOSURE SCHEDULE AND CONDITIONS," is added as follows:

"Add to the RSS for section 12-4.03C:

Submit a contingency plan for each of the following activities:

1. HMA Paving
2. Asphalt Rubber Seal Coat placement
3. Striping

Discuss the contingency plan with the Engineer at least 5 business days before starting the activity."

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In the Special Provisions, DIVISION II "GENERAL CONSTRUCTION," Section 14-1.02A, "GENERAL," is added as follows:

"Add to section 14-1.02A:

An ESA exists on this project."

In the Special Provisions, Section 37, "BITUMINOUS SEALS," is replaced as attached.

In the Special Provisions, Section 86-5.01A(1), "General," the second paragraph is 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*.

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/11/11-2M5104

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,



LAURIE BERMAN
District Director

Attachments

Replace "Reserved" in section 8-1.04C with:

Section 8-1.04B does not apply.

Start job site activities within 55 days after receiving notice that the Contract has been approved by the Attorney General or the attorney appointed and authorized to represent the Department.

Do not start job site activities until the Department authorizes or accepts your submittal for:

1. CPM baseline schedule
2. WPCP or SWPPP, whichever applies
3. Contingency plan for opening closures to public traffic

Do not start other job site activities until all the submittals from the above list are authorized or accepted and the following information is received by the Engineer:

1. *Notice of Materials To Be Used* form.

You may start job site activities before the 55th day after Contract approval if you:

1. Obtain specified authorization or acceptance for each submittal before the 55th day
2. Receive authorization to start

Submit a notice 72 hours before starting job site activities. If the project has more than 1 location of work, submit a separate notice for each location.

Add to section 37-2.05B(2)(b) of the RSS for section 37-2:

Asphalt binder for asphalt rubber binder seal coat must be Grade PG 70-10.

Add to section 37-2.05B(2)(e) of the RSS for section 37-2:

Screenings for asphalt rubber seal coat must comply with the medium grading.

Add to section 37-2.05B(3)(d) of the RSS for section 37-2:

Use a variable application rate apparatus. The apparatus must be able to apply the asphalt rubber binder at a reduced rate in the wheel path of up to 0.15 gal/sq yd. Verify the application rate in the wheel path and the non-wheel path daily, by the California Test 339M, modified as follows:

A. Scope

Modified California Test 339 describes the procedure for determining the transverse spread rate of a bituminous distributor in gallons per square yard.

B. Apparatus

1. Balance sensitive to 0.1 gram with a minimum capacity of $\pm 2,000$ grams.
2. Suitable weighing box with windshield or enclosed area for balance to ensure no impacts from wind conditions.
3. Balance table and/or work bench.

C. Materials

1. 8" x 12" Galvanized Sheet Metal Plates -28 gauge. Verify size of the metal plates used in calculations in Section F.
2. Polyester Filter Roll material.
3. Cementing material.
4. 10" x 13" min, - Manila Envelopes.
5. 30 pound Roofing Felt Paper.

Note:

The roofing felt paper is available at most home supply stores or roofing suppliers.

D. Preparation of the Test Plates

1. Cut the polyester material from the roll to an 8" x 12" size and cement to the 8" x 12" plate.
2. Number the bottom of each metal plate. One plate for each one (1) foot of roadway surface to be sprayed.
3. Number each manila envelope.
4. Weigh each test plate + polyester filter placed in each manila envelope.
5. Cut the roofing felt paper to a width of 18".

E. Sampling

1. Prior to the distributor approaching, place the roofing felt paper transversely across the pavement surface at the test location and secure with duct tape.
2. Place the metal plates with the 12" width, transversely across the pavement surface, centered on the roofing felt paper.
3. If desired, mark the test location outside the spray area for future reference.
4. After the distributor vehicle has passed, slide the roofing felt paper off the roadway with the test plates remaining in place, and let cool for a minimum of five minutes.
5. Remove each separate metal plate with the polyester material and binder and place in the properly numbered manila envelope. Care should be taken to ensure that each plate has no material loss.
6. Proceed to weighing area and weigh each of the test plates and the manila envelopes and record as the Gross Weight.
7. Determine the Net Weight of the binder.

F. Calculations

To determine the spread rate the following is required:

1. The Specific Gravity of the binder.
2. The field application temperature.

Calculate the spread rate as follows for each plate:

1. Sp.Gr. x 62.4 lbs/cf x $\frac{1}{7.48 \text{ lbs/gal}}$ x ATF = _____ lbs/gal at 60°F.

Where:

Sp. Gr. – Binder Specific Gravity

lbs – pounds

cf – cubic feet

gal – gallon

ATF – Application Temperature Factor. Use Column A from Temperature Conversion Table in Section 93 of the Standard Specifications when the density at 60°F is greater than 60.3 lbs/cf (0.9963).

2. _____ lbs/gal x 0.074 sq.yd** x 454 grams/lbs = _____ grams x sq.yd/gal

Where:

** Test Plate 8" x 12" = 96 sq. in.

$$\frac{96 \text{ sq.in.}}{1,296 \text{ sq.in./sq.yd}} = 0.0741 \text{ sq.yd}$$

sq.yd – square yard

sq. in. – square inches

Verify plate dimensions and adjust accordingly.

3. $\frac{\text{Net Weight of Binder grams}}{\#2 \text{ Above grams x sq.yd/gal}} = \text{_____ gal/sq.yd (spread rate).}$

4. Record the spread rate for each plate across the lane.