

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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*Serious Drought.  
Help save water!*

July 8, 2016

06-Kin-43, 137-1.3/1.7, 0.0/0.2

06-0M3704

Project ID 0600000959

ACHSSTP-P043(046)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN KINGS COUNTY NEAR CORCORAN ON ROUTE 43 FROM 0.2 MILE SOUTH OF ROUTE 137 TO 0.2 MILE NORTH OF ROUTE 137 AND ON COUNTY ROUTE WHITLEY AVENUE AND ROUTE 137 FROM 0.1 MILE WEST OF ROUTE 43 TO 0.2 MILE EAST OF ROUTE 43 to revise the project plans, the *Notice to Bidders and Special Provisions*, and the *Bid* book.

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 Tuesday, July 19, 2016.

Project plan sheets number 1, 9, and 38 are replaced and attached for substitution for the like-numbered sheets.

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

"The Contractor must have either a Class A license or one of the following Class C licenses: C-12."

In the *Special Provisions*, Section 39 is replaced as attached.

In the *Bid* book, in the "Bid Item List," Item 46 is replaced.

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](http://www.dot.ca.gov/hq/esc/oe/electronic_bidding/electronic_bidding.html)**

Inform subcontractors and suppliers as necessary.

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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/06/06-0M3704](http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/06/06-0M3704)**

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,

A handwritten signature in blue ink, appearing to read "Sharrri Ehlert".

SHARRI BENDER EHLERT  
District Director  
District 6 Central Region

Attachments

### 39 HOT MIX ASPHALT

**Add to the table in the 1st paragraph of section 39-1.01D(8)(c)(ii) of the RSS for section 39:**

|                         |              |  |
|-------------------------|--------------|--|
| Coarse durability index | AASHTO T 210 | 1 per 3,000 tons or 1 per paving day, whichever is greater |
| Fine durability index   | AASHTO T 210 | 1 per 3,000 tons or 1 per paving day, whichever is greater |

**Add between "single" and "test" in the 8th paragraph of section 39-1.01D(9)(a) of the RSS for section 39:**  
aggregate and HMA mixture

**Replace the paragraphs in section 39-2.01C(2) of the RSS for section 39 with:**

The JMF must be based on the Superpave HMA mix design system as described in the MS-2 Asphalt Mix Design Methods by the Asphalt Institute.

For a Type A HMA mixture using RAP substitution greater than 15 percent of the aggregate blend, the asphalt binder grade from the HMA mixture must comply with the binder grade specified in section 39-2.02C. The HMA mixture binder grade must not be stiffer than the PG binder grade specified and must be determined by blending charts for high, intermediate, and low critical temperatures. Original binder requirements, ductility requirements, and footnote d in the table in the 1st paragraph in section 92-1.02B do not apply in the determination of the HMA mixture binder grade using blending charts.

**Add to section 39-2.01C(3) of the RSS for section 39:**

For RAP substitution greater than 15 percent of the aggregate blend, submit blending calculation sheets and blending charts for high, intermediate, and low critical temperatures. The blending calculation sheets and blending charts must be based on the MS-2 Asphalt Mix Design Methods by the Asphalt Institute. You may use critical temperatures of virgin binder or the maximum theoretical critical temperature of the PG grade of the virgin binder. Critical temperatures must be in whole degree. The calculation sheets must be sealed and signed by an engineer who is registered as a civil engineer in the State or by the AMRL-AASHTO-accredited laboratory manager responsible for the calculations and blending charts.

**Add to the table in the 1st paragraph of section 39-2.01D(2)(b) of the RSS for section 39:**

|                         |              |  |
|-------------------------|--------------|--|
| Coarse durability index | AASHTO T 210 | 1 per 3,000 tons or 1 per paving day, whichever is greater |
| Fine durability index   | AASHTO T 210 | 1 per 3,000 tons or 1 per paving day, whichever is greater |

**Add between the heading and the 1st paragraph of section 39-2.01D(2)(c) of the RSS for section 39:  
39-2.01D(2)(c)(i) General**

Section 39-2.01D(2)(c) applies to Type A HMA mixtures using RAP substitution greater than 15 percent of the aggregate blend.

**39-2.01D(2)(c)(ii) Reclaimed Asphalt Pavement Stockpiles**

**Add to section 39-2.01D(2)(c) of the RSS for section 39:**

**39-2.01D(2)(c)(iii) Virgin and Recovered Reclaimed Asphalt Pavement Binder**

Perform solvent extraction of RAP binder under AASHTO T 164, Method A, and recovery under AASHTO R 59 or ASTM D1856. Test the quality characteristics of the recovered RAP binder under the test methods and frequencies shown in the following table:

| Quality characteristic              | Test method                         | Minimum testing frequency  |
|-------------------------------------|-------------------------------------|--|
| Critical temperatures of RAP binder | AASHTO T 315<br>and<br>AASHTO T 313 | 1 per project if RAP is not augmented or 1 per 500 tons of augmented RAP |

If you use critical temperature of virgin binder in blending charts, test the quality characteristics of the virgin binder under the test methods and frequencies shown in the following table:

| Quality characteristic                 | Test method                         | Minimum testing frequency                                  |
|--|-------------------------------------|--|
| Critical temperatures of virgin binder | AASHTO T 315<br>and<br>AASHTO T 313 | 1 per 5 paving days or 1 per project, whichever is greater |

Determine the blended binder grade using blending charts under the MS-2 Asphalt Mix Design Methods by the Asphalt Institute each time the critical temperatures are determined.

**Add to the table in item 1 in the list in the paragraph of section 39-2.01D(5) of the RSS for section 39:**

|  |              |    |
|--|--------------|----|
| Coarse durability index ( $D_c$ , min) | AASHTO T 210 | 65 |
| Fine durability index ( $D_f$ , min)   | AASHTO T 210 | 50 |

**Replace "If RAP is used" in item 2 in the list of the paragraph of section 39-2.01D(5) of the RSS for section 39 with:**

For RAP substitution greater than 15 percent of the aggregate blend

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

|   |              |         |
|---|--------------|---------|
| Moisture susceptibility (psi, dry strength) | AASHTO T 283 | 100–300 |
|---|--------------|---------|

**Add to the list of the paragraph of section 39-2.01D(5) of the RSS for section 39 with:**

4. For RAP substitution greater than 15 percent of the aggregate blend, the asphalt binder grade must comply with the specified binder grade. A tolerance of +2 degrees C may be applied to the critical high and low temperatures of the blended binder. Original binder requirements, ductility requirements, and footnote d in the table in the 1st paragraph in section 92-1.02B do not apply in the determination of the PG binder grade using blending charts.

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

|   |              |         |
|---|--------------|---------|
| Moisture susceptibility, dry strength (psi) | AASHTO T 283 | 100–300 |
|---|--------------|---------|

**Replace the 3rd and 4th paragraphs in section 39-2.02B of the RSS for section 39 with:**

For a Type A HMA mixture using RAP substitution greater than 15 percent of the aggregate blend, the mix design blended binder grade must comply with the specified binder grade. The mix design blended binder grade must be determined using blending charts as described in the MS-2 Asphalt Mix Design Methods by the Asphalt Institute. Original binder requirements, ductility requirements, and footnote d in the table in the 1st paragraph in section 92-1.02B do not apply in the determination of the HMA mixture binder grade using blending charts.

**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 64-10.

For Type A HMA using RAP substitution of greater than 15 percent of the aggregate blend, the HMA mixture binder grade must comply with the PG binder grade specified above.

For Type A HMA using RAP substitution of 15 percent or less of the aggregate blend, the grade of the virgin binder must comply with the PG binder grade specified above.

**Add to the table in the 1st paragraph of section 39-2.02D(1) of the RSS for section 39:**

|  |              |    |
|--|--------------|----|
| Coarse durability index ( $D_c$ , min) | AASHTO T 210 | 65 |
| Fine durability index ( $D_f$ , min).  | AASHTO T 210 | 50 |

**Replace the 2nd sentence of 2nd paragraph in section 39-2.02F of the RSS for section 39 with:**

For RAP substitution of 15 percent or less, RAP must be within  $\pm 3$  of RAP percentage shown in your Contractor Job Mix Formula Proposal form without exceeding 15 percent. For RAP substitution of greater than 15 percent, RAP must be within  $\pm 3$  of RAP percentage shown in your Contractor Job Mix Formula Proposal form without exceeding 25 percent.

**BID ITEM LIST****06-0M3704**

| Item No.  | Item Code | Item Description  | Unit of Measure | Estimated Quantity | Unit Price | Item Total |
|-----------|-----------|---|-----------------|--------------------|------------|------------|
| 41        | 280000    | LEAN CONCRETE BASE  | CY              | 210                |            |            |
| 42        | 390132    | HOT MIX ASPHALT (TYPE A)  | TON             | 4,700              |            |            |
| 43        | 394076    | PLACE HOT MIX ASPHALT DIKE (TYPE E)   | LF              | 2,770              |            |            |
| 44        | 397005    | TACK COAT   | TON             | 16                 |            |            |
| 45        | 401050    | JOINTED PLAIN CONCRETE PAVEMENT   | CY              | 510                |            |            |
| 46<br>(F) | 510502    | MINOR CONCRETE (MINOR STRUCTURE)  | CY              | 1.6                |            |            |
| 47        | 560248    | FURNISH SINGLE SHEET ALUMINUM SIGN<br>(0.063"-UNFRAMED)   | SQFT            | 20                 |            |            |
| 48        | 566011    | ROADSIDE SIGN - ONE POST  | EA              | 40                 |            |            |
| 49        | 566012    | ROADSIDE SIGN - TWO POST  | EA              | 7                  |            |            |
| 50        | 031236    | FURNISH SINGLE SHEET ALUMINUM SIGN<br>(0.063"-UNFRAMED) FOR<br>RETROREFLECTIVE SHEETING (TYPE XI) | SQFT            | 240                |            |            |
| 51        | 031237    | FURNISH SINGLE SHEET ALUMINUM SIGN<br>(0.080"-UNFRAMED)FOR<br>RETROREFLECTIVE SHEETING (TYPE XI)  | SQFT            | 160                |            |            |
| 52        | 031238    | FURNISH SINGLE SHEET ALUMINUM SIGN<br>(0.063"-FRAMED) FOR RETROREFLECTIVE<br>(TYPE XI)            | SQFT            | 76                 |            |            |
| 53        | 031239    | FURNISH SINGLE SHEET ALUMINUM SIGN<br>(0.080"-FRAMED) FOR RETROREFLECTIVE<br>(TYPE XI)            | SQFT            | 260                |            |            |
| 54        | 031240    | RETROREFLECTIVE SHEETING (TYPE XI)  | SQFT            | 740                |            |            |
| 55        | 650014    | 18" REINFORCED CONCRETE PIPE  | LF              | 40                 |            |            |
| 56        | 705204    | 18" CONCRETE FLARED END SECTION   | EA              | 2                  |            |            |
| 57<br>(F) | 721028    | ROCK SLOPE PROTECTION (NO. 2,<br>METHOD B) (CY)   | CY              | 3                  |            |            |
| 58        | 729011    | ROCK SLOPE PROTECTION FABRIC<br>(CLASS 8)   | SQYD            | 12                 |            |            |
| 59        | 730070    | DETECTABLE WARNING SURFACE  | SQFT            | 640                |            |            |
| 60        | 731502    | MINOR CONCRETE (MISCELLANEOUS<br>CONSTRUCTION)  | CY              | 460                |            |            |