

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
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Be energy efficient!*

October 1, 2010
06-Ker-5-0.0/4.6
06-460604
Project ID 0600020252
IM-005-4(186)205E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN KERN COUNTY AT FORT TEJON FROM LOS ANGELES COUNTY LINE TO 0.1 MILE NORTH OF GRAPEVINE CREEK 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 Tuesday, October 12, 2010.

This addendum is being issued to revise the Project Plans, the Notice to Bidders and Special Provisions and the Federal Minimum Wages with Modification Number 11 dated 09/10/10.

Project Plan Sheet 3 is revised. A copy of the revised sheet is attached for substitution for the like-numbered sheet.

In the Special Provisions, Section 3-1.00, "CONTRACT AWARD," is added as follows:

"3-1.00 CONTRACT AWARD

If the Department awards the Contract, the award is made to the lowest responsible bidder within 60 days."

In the Special Provisions, Section 8-2.02, "FREEZING CONDITION REQUIREMENTS," is added as attached.

In the Special Provisions, Section 10-1.15, "PORTABLE CHANGEABLE MESSAGE SIGNS," subsection "CONSTRUCTION," the fifth paragraph is revised as follows:

"Place two portable changeable message signs for each lane closures and one for each ramp or connector closure. The exact locations will be designated by the Engineer."

Addendum No. 2
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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, attachments and the modified wage rates are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/06/06-460604

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,



SHARRI BENDER EHLERT
Interim District Director
District 6 Central Region

Attachment

8-2.02 FREEZING CONDITION REQUIREMENTS

GENERAL

The mortar strength of fine aggregate relative to the mortar strength of Ottawa sand shall be a minimum of 100 percent as determined by California Test 515.

Portland cement concrete shall contain not less than 590 pounds of cementitious material per cubic yard unless a higher cementitious material content is specified in these special provisions.

An air-entraining admixture conforming to the provisions in Section 90-4, "Admixtures," of the Standard Specifications shall be added to the concrete at the rate required to result in an air content of 6.0 ± 1.5 percent in the freshly mixed concrete, unless a different air content is specified in these special provisions. Air-entraining admixture is not required in concrete placed at least 2 feet below the adjacent undisturbed grade or at least 3 feet below compacted finished grade, if the concrete will not experience freezing conditions during construction.

CONCRETE NEAR DEICING CHEMICALS

The equations in Section 90-2.01C, "Required Use of Supplementary Cementitious Materials," of the Standard Specifications, shall not apply to cementitious material for concrete at concrete pavement surfaces from PM 0.0 to PM 4.6. The cementitious material for this concrete shall be composed of any combination of portland cement and at least one SCM, satisfying Equation (1):

Equation (1)

$$\frac{(25 \times UF) + (12 \times FA) + (10 \times FB) + (6 \times SL)}{TC} \geq X$$

SCMs for use in this concrete shall satisfy the following equations:

Equation (2)

$$\frac{4 \times (FA + FB)}{TC} \leq 1.0$$

Equation (3)

$$\frac{(10 \times UF)}{TC} \leq 1.0$$

Equation (4)

$$\frac{2 \times (UF + FA + FB + SL)}{TC} \leq 1.0$$

Where:

UF = Silica fume, metakaolin, or UFFA, including the amount in blended cement, pounds per cubic yard. If used, the minimum amount of UF shall be 5 percent.

FA = Fly ash or natural pozzolan conforming to the requirements in AASHTO Designation: M 295, Class F or N with a CaO content up to 10 percent, including the amount in blended cement, pounds per cubic yard. If used, the minimum amount of FA shall be 15 percent.

FB = Fly ash or natural pozzolan conforming to the requirements in AASHTO Designation: M 295, Class F with a CaO content up to 15 percent, including the amount in blended cement, pounds per cubic yard. If used, the minimum amount of FB shall be 15 percent.

SL = GGBFS, including the amount in blended cement, pounds per cubic yard.

TC = Total amount of cementitious material used in the mix, pounds per cubic yard.

X = 1.8 for innocuous aggregate, 3.0 for all other aggregate.

The concrete mix design shall satisfy the following equation:

Equation (5)

$$\frac{27 \times (TC - MC)}{MC} \leq 5.0$$

Where:

TC = Total amount of cementitious material used in the mix, pounds per cubic yard.

MC = Minimum amount of cementitious material specified, pounds per cubic yard.

CEMENTITIOUS MATERIAL

All other cementitious material for this project shall conform to Section 90, "Portland Cement Concrete," of the Standard Specifications, and the following:

$$\frac{(41 \times UF) + (19 \times F) + (11 \times SL)}{TC} \leq 7.0$$

Where:

UF = Silica fume, metakaolin, or UFFA, including the amount in blended cement, pounds per cubic yard.

F = Fly ash or natural pozzolan conforming to the requirements in AASHTO Designation: M 295, Class F or N, including the amount in blended cement, pounds per cubic yard. (equivalent to either FA or FB as defined in Section 90, "Portland Cement Concrete," of the Standard Specifications.)

SL = GGBFS, including the amount in blended cement, pounds per cubic yard.

TC = Total amount of cementitious material used, pounds per cubic yard.