

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

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*Flex your power!
Be energy efficient!*

April 7, 2011

12-Ora-91-9.1/15.1

12-0G3304

Project ID 1200000140

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN ORANGE COUNTY IN ANAHEIM AND YORBA LINDA FROM ROUTE 55/91 SEPARATION TO ROUTE 91/241 SEPARATION.

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 14, 2011.

This addendum is being issued to revise the Project Plans and the Notice to Bidders and Special Provisions.

Project Plan Sheet 775 is revised under NOTES: (SHEET E-200 AND E-201), Note 1 the word "NEW" is changed to "EXISTING."

In the Special Provisions, Section 5-1.10, "PAYMENTS," is revised as follows:

"5-1.10 PAYMENTS

In determining the partial payments to be made to the Contractor, only the following listed materials will be considered for inclusion in the payment as materials furnished but not incorporated in the work:

- A. Pipe (Irrigation System)
- B. Pavement dowel bars, tie bars and baskets
- C. Piling
- D. Prestressing Steel for Cast-In-Place Members, Sealed Packages Only, and Prestressing Ducts and Anchorages
- E. Tieback Anchors
- F. Prestress Precast Concrete Box Girder
- G. Sound Wall Masonry Block
- H. Joint Seals
- I. Bar Reinforcing Steel
- J. Metal Sign Structures
- K. Reinforced Concrete Pipe
- L. Plastic Pipe

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- M. Grated Line Drain
- N. Miscellaneous Iron and Steel
- O. Bridge Deck Drainage System
- P. Metal Beam Guard Railing and Appurtenances
- Q. Crash Cushion
- R. Pavement Markers
- S. Corrugated High Density Polyethylene Pipe Conduit
- T. Fiber Optic Conduit and Cables
- U. Splice Vaults
- V. Camera Poles
- W. Signal and Lighting Standards
- X. Signal Heads and Mounting Brackets
- Y. Lighting Fixtures
- Z. Luminaires"

In the Special Provisions, Section 10-3.13, "MICROWAVE VEHICLE DETECTION SYSTEM," subsection "FUNCTIONAL REQUIREMENTS," the first and second paragraphs are revised as follows:

"MVDS shall simultaneously provide vehicle detection data in the form of vehicle presence, volumes, counts, speed, classification, and occupancy for a minimum of 8 lanes of traffic with the performance requirements of these special provisions. MVDS shall provide a separate zone per lane and detect vehicles as close as 10 feet and as far as 200 feet from the MVDS sensor. MVDS shall monitor traffic lanes in the presence of barrier railings, guardrails and other obstacles.

MVDS shall meet the following detection performance criteria when installed a minimum of 10 feet from the nearest lane and at a minimum height of 15 feet above the roadway detection zone:

1. Average 5 minute volumes for all lanes combined with better than 95 percent accuracy compared to vehicles observed in video images for the same period, for any 15 minute period selected by the Engineer.
2. Average 30 second volumes in every lane with better than 90 percent accuracy compared to vehicles observed in video images for the same period, for any 5 minute period selected by the Engineer.
3. Average 30 second speed in any lane with better than 85 percent accuracy, for any 5 minute period selected by the Engineer.
4. Average 5 minute occupancy for any lane with better than 80 percent accuracy, for any 15 minute period selected by the Engineer.
5. Count accuracy, when compared to vehicles observed in video images for the same period, shall be not less than 90 percent for any lane and not less than 95 percent for all lanes combined.
6. Average 15 minute classification according to user defined criteria with better than 90 percent accuracy compared to vehicles observed in video images for the same period. Vehicle classification (or length classification) shall be provided for categories (small car, average car, extra long car) that are user definable as either by length parameters (minimum length to maximum length for the category) or by a multiple of length of the average car.
7. The Contractor shall provide the criteria for speed and volume acceptance test for approval by the Engineer. The Contractor shall also provide speed and volume data for verification by the Engineer."

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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 is available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/12/12-0G3304

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,



REBECCA D. HARNAGEL
Chief, Office of Plans, Specifications & Estimates
Office Engineer
Division of Engineering Services