

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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*Flex your power!
Be energy efficient!*

December 27, 2011

11-SD-15-0.5/M4.0

11-265304

Project ID 1100020284

NH-015(017)E

Addendum No. 3

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN SAN DIEGO COUNTY IN SAN DIEGO FROM 0.1 MILE NORTH OF MAIN STREET UNDERCROSSING TO 0.4 MILE SOUTH OF LANDIS STREET PEDESTRIAN OVERCROSSING.

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, January 5, 2012.

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

Project Plan Sheets 8, 25, 32, 72, and 77 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

In the Special Provisions, Section 10-1.44, "METAL BEAM GUARD RAILING," subsection "ALTERNATIVE IN-LINE TERMINAL SYSTEM," is added as attached.

In the Bid book, in the "Bid Item List," Items 43 and 46 are revised, Items 62 and 63 are added and Items 47 and 61 are deleted as attached.

To Bid book holders:

Replace page 4 and 5 of the "Bid Item List" in the Bid book with the attached revised pages 4 and 5 of the Bid Item List. The revised Bid Item List is to be used in the bid.

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.

Addendum No. 3
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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/11/11-265304

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 black ink, appearing to read "Laurie Berman". The signature is written in a cursive style and is positioned above the printed name.

LAURIE BERMAN
District Director

Attachments

ALTERNATIVE IN-LINE TERMINAL SYSTEM

Alternative in-line terminal system shall be furnished and installed as shown on the plans and in conformance with these special provisions.

The allowable alternatives for an in-line terminal system shall consist of one of the following National Cooperative Highway Research Program (NCHRP) Report 350 Test Level 3 devices or a Department approved equal:

- A. TERMINAL SYSTEM (TYPE SKT) - Terminal system (Type SKT) shall be a SKT 350 Sequential Kinking Terminal manufactured by Road Systems, Inc., located in Big Spring, Texas, and shall include items detailed for terminal system (Type SKT) shown on the plans. The SKT 350 Sequential Kinking Terminal can be obtained from the distributor, Universal Industrial Sales, P.O. Box 699, Pleasant Grove, UT 84062, telephone (801) 785-0505 or from the distributor, Gregory Highway Products, 4100 13th Street, S.W., Canton, OH 44708, telephone (330) 477-4800.
- B. TERMINAL SYSTEM (TYPE ET) - Terminal system (Type ET) shall be an ET-2000 PLUS (4-tube system) extruder terminal as manufactured by Trinity Industries, Inc., and shall include items detailed for terminal system (Type ET) shown on the plans. The ET-2000 PLUS (4-tube system) extruder terminal can be obtained from the manufacturer, Trinity Industries, Inc., P.O. Box 99, 950 West 400S, Centerville, UT 84014, telephone (800) 772-7976.
- C. TERMINAL SYSTEM (TYPE X-TENSION) - Terminal System (TYPE X-TENSION) shall be an In-Line Energy Absorbing Non-Gating Terminal manufactured by Barrier Systems Sales and Services LLC, located in Vacaville, CA, and shall include items detailed for terminal system (Type X-TENSION) in conformance with the manufacturer's details. This In-Line Energy Absorbing system is fully re-directive and can be obtained from the manufacturer, Barrier Systems Sales and Services, 3333 Vaca Valley Parkway, Suite 800, Vacaville, CA 95688, telephone (888) 800-3691.

The Contractor shall provide the Engineer with a Certificate of Compliance from the manufacturer in conformance with the provisions in Section 6-1.07, "Certificates of Compliance," of the Standard Specifications. The Certificate of Compliance shall certify that the terminal systems furnished conform to the contract plans and specifications, conform to the prequalified design and material requirements, and were manufactured in conformance with the approved quality control program.

Terminal systems shall be installed in conformance with the manufacturer's installation instructions and these requirements. Each terminal system installed shall be identified by painting the type of terminal system in neat black letters and figures 2 inches high on the backside of the rail element between system posts numbers 4 and 5.

For terminal system (Type ET) the steel foundation tubes with soil plates attached shall be, at the Contractor's option, either driven, with or without pilot holes, or placed in drilled holes. Space around the steel foundation tubes shall be backfilled with selected earth, free of rock, placed in layers approximately 4 inches thick and each layer shall be moistened and thoroughly compacted. The wood terminal posts shall be inserted into the steel foundation tubes by hand and shall not be driven. Before the wood terminal posts are inserted, the inside surfaces of the steel foundation tubes to receive the wood posts shall be coated with a grease which will not melt or run at a temperature of 149° F or less. The edges of the wood terminal posts may be slightly rounded to facilitate insertion of the post into the steel foundation tubes.

For terminal system (Type SKT) the soil tubes shall be, at the Contractor's option, driven with or without pilot holes, or placed in drilled holes. Space around the soil tubes shall be backfilled with selected earth, free of rock, placed in layers approximately 4 inches thick and each layer shall be moistened and thoroughly compacted. Wood posts shall be inserted into the soil tubes by hand. Before the wood terminal posts are inserted, the inside surfaces of the soil tubes to receive the wood posts shall be coated with a grease which will not melt or run at a temperature of 149° F or less. The edges of the wood posts may be slightly rounded to facilitate insertion of the post into the soil tubes.

For terminal system (Type X-Tension), the steel post and soil anchor shall be, at the Contractor's option, either driven, with or without pilot holes, or placed in drilled holes. Space around the steel post and soil anchor shall be backfilled with selected earth, free of rock, placed in layers approximately 4 inches thick and each layer shall be moistened and thoroughly compacted. The wood terminal posts shall be inserted by hand and backfilled in the same manner as the steel post and soil anchor. Wood terminal posts shall not be driven.

Surplus excavated material remaining after the terminal system has been installed shall be disposed of in a uniform manner along the adjacent roadway where designated by the Engineer.

The contract unit price paid for alternative in-line terminal system shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing and installing alternative in-line terminal system, complete in place, including excavation, backfill and disposal of surplus material, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

BID ITEM LIST

11-265304

| Item No. | Item Code | Item Description | Unit of Measure | Estimated Quantity | Unit Price | Item Total |
|----------|-----------|---|-----------------|--------------------|------------|------------|
| 41 | 832001 | METAL BEAM GUARD RAILING | LF | 8,440 | | |
| 42 | 839541 | TRANSITION RAILING (TYPE WB) | EA | 18 | | |
| 43 | 839576 | END CAP (TYPE A) | EA | 5 | | |
| 44 | 839581 | END ANCHOR ASSEMBLY (TYPE SFT) | EA | 16 | | |
| 45 | 839585 | ALTERNATIVE FLARED TERMINAL SYSTEM | EA | 5 | | |
| 46 | 839701 | CONCRETE BARRIER (TYPE 60) | LF | 480 | | |
| 47 | BLANK | | | | | |
| 48 | 840504 | 4" THERMOPLASTIC TRAFFIC STRIPE | LF | 93,100 | | |
| 49 | 840506 | 8" THERMOPLASTIC TRAFFIC STRIPE | LF | 11,700 | | |
| 50 | 840508 | 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3) | LF | 10,300 | | |
| 51 | 840515 | THERMOPLASTIC PAVEMENT MARKING | SQFT | 1,670 | | |
| 52 | 840525 | 4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12) | LF | 68,400 | | |
| 53 | 840526 | 4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7) | LF | 2,610 | | |
| 54 | 840655 | PAINT TRAFFIC STRIPE (1-COAT) | LF | 8,150 | | |
| 55 | 850101 | PAVEMENT MARKER (NON-REFLECTIVE) | EA | 5,980 | | |
| 56 | 850111 | PAVEMENT MARKER (RETROREFLECTIVE) | EA | 3,800 | | |
| 57 | 860090 | MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION | LS | LUMP SUM | LUMP SUM | |
| 58 | 860251 | SIGNAL AND LIGHTING (LOCATION 1) | LS | LUMP SUM | LUMP SUM | |
| 59 | 860252 | SIGNAL AND LIGHTING (LOCATION 2) | LS | LUMP SUM | LUMP SUM | |
| 60 | 860810 | INDUCTIVE LOOP DETECTOR | EA | 54 | | |

BID ITEM LIST

11-265304

| Item No. | Item Code | Item Description | Unit of Measure | Estimated Quantity | Unit Price | Item Total |
|----------|-----------|-------------------------------------|-----------------|--------------------|------------|------------|
| 61 | BLANK | | | | | |
| 62 | 839584 | ALTERNATIVE IN-LINE TERMINAL SYSTEM | EA | 1 | | |
| 63 | 999990 | MOBILIZATION | LS | LUMP SUM | LUMP SUM | |

TOTAL BID: \$ _____

TOTAL BID FOR ITEMS: \$ _____

TOTAL BID FOR TIME: \$ _____

$$\frac{\text{WORKING DAYS BID (Not to exceed 135 Days)}}{\text{COST PER DAY}} \times \text{\$X,XXX.00} =$$

TOTAL BID FOR COMPARISON (COST PLUS TIME): \$ _____