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**\*\* WARNING \*\* WARNING \*\* WARNING \*\* WARNING \*\***  
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March 14, 2007

12-Ora-405-11.0  
12-0H0054

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in ORANGE COUNTY IN IRVINE FROM NORTHBOUND JAMBOREE ROAD LOOP ON RAMP TO NORTHBOUND ROUTE 405.

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 April 19, 2007.

This addendum is being issued to revise the Notice to Contractors and Special Provisions and the Proposal and Contract.

In the Special Provisions, Section 10-3.08, "BONDING AND GROUTING," the following paragraphs are added after the last paragraph:

"Equipment bonding and grounding conductors are required in conduits, except when the conduits contain combinations of loop lead-in cable, fiber optic cable, or signal interconnect cable. A No. 8 minimum, bare copper wire shall run continuously in circuits, except for series lighting circuits, where No. 6 bare copper wire shall run continuously. The bonding wire size shall be increased to match the circuit breaker size in conformance with the Code, or shall be as shown on the plans. Conduits to be installed for future conductors, may omit the copper wire.

Bonding of metallic conduits in metal pull boxes shall be by means of bonding bushings and bonding jumpers connected to the bonding wire running in the conduit system."

In the Special Provisions, Section 10-3.09, "NUMBERING ELECTRICAL EQUIPMENT," is added as follows:

"The placement of numbers on electrical equipment will be done by others."

In the Special Provisions, Section 10-3.10, "STATE-FURNISHED CONTROLLER ASSEMBLY," is added as follows:

"The Model 170 controller assembly, including controller unit, completely wired controller cabinet and inductive loop detector sensor units, but without anchor bolts, will be State-furnished as provided under "Materials" of these special provisions.

The Contractor shall construct each controller cabinet foundation as shown on the plans for Model 332 and 334 cabinets (including furnishing and installing anchor bolts), shall install the controller cabinet on the foundation, and shall make field wiring connections to the terminal blocks in the controller cabinet.

A listing of field conductor terminations, in each State-furnished controller cabinet, will be furnished free of charge to the Contractor at the site of the work.

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State forces will maintain controller assemblies. The Contractor's responsibility for controller assemblies shall be limited to conforming to the provisions in Section 6-1.02, "State-Furnished Materials," of the Standard Specifications."

In the Special Provisions, Section 10-3.11, "VEHICLE SIGNAL FACES AND SIGNAL HEADS," is added as follows:

"Light Emitting Diode (LED) modules for vehicular traffic signal units will be State-furnished in conformance with the provisions in "Materials" of these special provisions."

In the Special Provisions, Section 10-3.12, "DETECTORS," is added as follows:

"Loop wire shall be Type 2.

Loop detector lead-in cable shall be Type C.

Slots shall be filled with elastomeric sealant or hot-melt rubberized asphalt sealant.

For Type E detector loops, sides of the slot shall be vertical and the minimum radius of the slot entering and leaving the circular part of the loop shall be 40 mm. Slot width shall be a maximum of 20 mm. Loop wire for circular loops shall be Type 2. Slots of circular loops shall be filled with elastomeric sealant or hot melt rubberized asphalt sealant."

In the Special Provisions, Section 10-3.13, "LUMINAIRES," is added as follows:

"Ballasts shall be the lag regulator type."

In the Special Provisions, Section 10-3.14, "REMOVING, REINSTALLING OR SALVAGING ELECTRICAL EQUIPMENT," is added as follows:

"Salvaged electrical materials shall be hauled to Route 57 at Douglas Road, Anaheim, Ca 92806, Telephone (714) 974-3092 and stockpiled.

The Contractor shall provide the equipment, as necessary, to safely unload and stockpile the material. A minimum of 2 working days' notice shall be given prior to delivery."

In the Special Provisions, Section 10-3.15, "PAYMENT," is added as follows:

"Full compensation for hauling and stockpiling electrical materials shall be considered as included in the contract price paid for the item requiring the material to be salvaged and no additional compensation will be allowed therefor."

In the Proposal and Contract, Page 19 (Signature Sheet) is added as attached.

To Proposal and Contract 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 CONTRACTORS section of the Notice to Contractors 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 proposal.

Submit bids in the Proposal and Contract 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.

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This office is sending this addendum by confirmed facsimile to all book holders to ensure that each receives it. A copy of this addendum is available for the contractor's use on the Internet Site:

**[http://www.dot.ca.gov/hq/esc/oe/weekly\\_ads/addendum\\_page.html](http://www.dot.ca.gov/hq/esc/oe/weekly_ads/addendum_page.html)**

If you are not a Proposal and Contract 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,

ORIGINAL SIGNED BY

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

Attachments

IN WITNESS WHEREOF, The parties to these presents have here-unto set their hands the year and date first above written

STATE OF CALIFORNIA,  
DEPARTMENT OF TRANSPORTATION

Director of Transportation

By \_\_\_\_\_

Contractor

By \_\_\_\_\_

Licensed in conformance with an act providing for the registration of contractors,

License No. \_\_\_\_\_

Federal Employer Identification  
Number \_\_\_\_\_

Approved and certified as being in conformance with the requirements of the State Contract Act.

\_\_\_\_\_  
Attorney, Department of Transportation

Approved Effective \_\_\_\_\_