

DEPARTMENT OF TRANSPORTATION

ESC/OE MS #43
1727 30TH Street, 2ND Floor
Sacramento, CA 95816



December 12, 2000

07-LA-10-42.4/48.3
07-1224U4
ACIM- 010-1(753)42N

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in LOS ANGELES COUNTY IN POMONA AND CLAREMONT FROM ROUTE 10/57/210 SEPARATION TO SAN BERNARDINO COUNTY LINE.

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 December 14, 2000.

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

In the Special Provisions, Section 10-1.45, "CONCRETE STRUCTURES," subsection "SLIP FORM METHOD FOR CONSTRUCTING RETAINING WALLS," is added as attached after subsection "ELASTOMERIC BEARING PADS."

To Proposal and Contract book holders:

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.

This office is sending this addendum by confirmed facsimile to all book holders to ensure that each receives it.

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 HARNAGEL, Chief
Office of Plans, Specifications & Estimates
Division of Office Engineer

Attachment

SLIP FORM METHOD FOR CONSTRUCTING RETAINING WALLS

At the Contractor's option, retaining wall stems may be constructed using a fixed form on the exterior face and a slip form on the back face of the wall. Construction of retaining walls using the slip form method shall conform to these special provisions. The retaining wall stem is the portion of the retaining wall from the top of footing to the top of wall.

If the Contractor elects to use the slip form method to construct retaining wall stems, the Contractor shall submit complete construction plans to the Division of Structure Design (DSD) in conformance with the provisions for working drawings in Section 5-1.02, "Plans and Working Drawings," of the Standard Specifications. For initial review, 4 sets of plans shall be submitted. After review, between 6 and 12 sets, as requested by the Engineer, shall be submitted to DSD for final approval and use during construction.

The plans shall be 11" x 17" or 22" x 34" size, and shall include the following:

- A. Methods for placing, finishing, curing, and protecting the concrete;
- B. A description of the measures to be taken that will assure the quality of the completed retaining wall;
- C. Drawings and calculation sheets, signed by an engineer who is registered as a Civil Engineer in the State of California, showing any proposed revisions to dimensions or reinforcement shown on the plans;
- D. The designation and location of the walls where the slip form method is proposed for use;
- E. The State assigned contract number, full name of the structure as shown on the contract plans, District-County-Route-Kilometer Post, and the Contractor's (and involved Subcontractor's) names on each sheet. Each sheet shall be numbered in the lower right hand corner and shall contain a blank space in the upper right hand corner for future contract sheet numbers.

Construction plans shall be submitted sufficiently in advance of the start of the affected work to allow time for review by the Engineer, and correction by the Contractor of the plans without delaying the work. Such time shall be proportional to the complexity of the work but in no case shall such time be less than 6 weeks after complete plans and all support data are submitted.

Should the Engineer fail to review the complete submittal within the time specified, and if, in the opinion of the Engineer, the Contractor's controlling operation is delayed or interfered with by reason of the delay in reviewing the construction plans, an extension of time only, commensurate with the delay in completion of the work thus caused, will be granted in conformance with the provisions in Section 8-1.09, "Right of Way Delays," of the Standard Specifications.

A preconstruction slip form method test panel for each retaining wall height and thickness shown on the plans, shall be constructed by the crew scheduled to perform the work shown on the plans, using equipment, materials, mixing proportions, ambient temperatures, and procedures proposed for the work. The preconstruction slip form method test panel shall conform to the following:

- The test panel shall have the same thickness, height and number of lifts, and bar reinforcement of the same size, amount, and positioning as the retaining wall stem to be placed. The test panel shall be square, with the length of the panel equal to the height.
- The test panel shall be finished by the methods to be used on the retaining wall stem.
- The test panel shall be cured under the same conditions as anticipated for the actual work.

The Contractor may request the Engineer to waive the requirement for constructing preconstruction slip form method test panels if a test panel report is furnished from a State highway retaining wall project with a similar application of approximately equal thickness and height, and similar amounts and placement of reinforcement. The crew members scheduled to perform the work shown on the plans shall have constructed the test panel described in the test panel report. The test panel report shall list the names of the crew members, equipment used, materials, mixing proportions, ambient temperatures, and procedures used to make the test panels. The test panel report shall include photographs of the finished retaining wall.

At the Contractor's option, the back face of a retaining wall stem constructed by the slip form method may be vertical. The thickness of the retaining wall stem with a vertical back face shall be the thickness at the base of the stem shown on the plans. The back face reinforcement for a retaining wall stem with a vertical back face shall be vertical, with the same clearance from the finished back of wall stem surface as shown on the plans.

If the Contractor chooses to construct a retaining wall stem by the slip form method, as described in these special provisions, no changes shall be made to the horizontal or vertical alignment of the retaining wall footing or stem, or to the size, length, or spacing of the back face vertical reinforcement at the bottom of the wall stem.

Each slip formed section of retaining wall stem shall have fixed, full-height bulkheads on both ends.

Concrete shall be supplied to the slip form machine at a uniform rate. The slip form shall be operated under sufficient restraint from forward motion and the concrete vibrated to produce a well compacted mass of concrete requiring no finishing other than that conforming to the provisions in Section 51-1.18B, "Class 1 Surface Finish," of the Standard Specifications.

A joint between lifts of concrete due to a delay between loads, as determined by the Engineer, will be cause for rejection of that portion of the retaining wall back to the nearest vertical expansion joint.

Full compensation for additional formwork, reinforcement, concrete, finishing, excavation, and backfill made necessary by the use of the slip form construction method shall be considered as included in the contract prices paid for the various items of work involved in retaining wall construction and no additional compensation will be allowed therefor.