

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
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*Flex your power!
Be energy efficient!*

April 27, 2010

05-Mon-101-85.0/85.8
05-349504
HP21L-6205(003)E,
HPLU-6205(013)E,
HPLU-6205(014)E, & DEMO8L-6205(021)E

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN MONTEREY COUNTY IN AND NEAR SALINAS FROM 0.6 MILE SOUTH TO 0.2 MILE NORTH OF AIRPORT BOULEVARD 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 Tuesday, May 4, 2010.

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

Project Plan Sheets 102, 103, 136 and 238 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

In the Special Provisions, Section 10-1.35, "EARTHWORK," is revised as attached.

In the Special Provisions, Section 10-1.36, "SAND BEDDING," is revised as attached.

In the Special Provisions, Section 10-1.79, "BIORETENTION SYSTEM," the third paragraph is revised as follows:

"Arrangements have been made to insure that any successful bidder can obtain the bioretention systems from Filterra Bioretention System a Division of Americast located at 849 East Stanley Boulevard, #131, Livermore, CA 94550, Telephone number (925) 667-7100 or (866) 349-3458 and FAX number (801) 516-8776."

In the Special Provisions, Section 10-1.79, "BIORETENTION SYSTEM," the last sentence of the fifth paragraph is revised as follows:

"The quoted prices are guaranteed by Filterra Bioretention System a Division of Americast until August 31, 2010."

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In the Bid book, in the "Bid Item List," Item 59 is deleted as attached.

To Bid book holders:

Replace page 5 of the "Bid Item List" in the Bid book with the attached revised page 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.

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/05/05-349504

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,

ORIGINAL SIGNED BY

IGNACIO SANCHEZ DEL REAL
Acting Office Chief of Plans, Specifications & Estimates
Office Engineer
Division of Engineering Services

Attachments

10-1.35 EARTHWORK

Earthwork shall conform to the provisions in Section 19, "Earthwork," of the Standard Specifications and these special provisions.

Surplus excavated material shall become the property of the Contractor and shall be disposed of in conformance with the provisions in Section 7-1.13, "Disposal of Material Outside the Highway Right of Way," of the Standard Specifications.

Where a portion of the existing surfacing is to be removed, the outline of the area to be removed shall be cut on a neat line with a power-driven saw to a minimum depth of 0.17-foot before removing the surfacing. Full compensation for cutting the existing surfacing shall be considered as included in the contract price paid per cubic yard for roadway excavation and no additional compensation will be allowed therefor.

Reinforcement or metal attached to reinforced concrete rubble placed in embankments shall not protrude above the grading plane. Prior to placement within 2 feet below the grading plane of embankments, reinforcement or metal shall be trimmed to no greater than 3/4 inch from the face of reinforced concrete rubble. Full compensation for trimming reinforcement or metal shall be considered as included in the contract prices paid per cubic yard for the types of excavation shown in the Engineer's estimate, or the contract prices paid for furnishing and placing imported borrow or embankment material, as the case may be, and no additional compensation will be allowed therefor.

Settlement periods are required for the bridge approach embankments at the bridges listed in the following table.

At the bridge bents listed in the following table, excavation for the footings, drilling holes for cast-in-place piles, or driving the foundation piles at each location shall not be done until the expiration of the settlement period for the embankment at the adjacent abutment of the same structure or an adjacent structure.

Surcharge embankments shall be constructed at or above the grading plane where listed in the following table:

Bridge Name or Number	Abutment Number	Bent Number	Surcharge Height (feet)	Settlement Period (days)
Airport Blvd OC (Widen) (Br No. 44-0124)	Abut 1		0.0	10
Airport Blvd OC (Widen) (Br No. 44-0124)	Abut 3		0.0	10

The duration of the required settlement period at each location will be determined by the Engineer. The estimated duration of the settlement periods are listed in the tables of settlement data. The Engineer may order an increase or decrease in any settlement period. An ordered increase or decrease in any settlement period will result in an increase or decrease in the number of contract working days if the settlement period involved is considered to be the current controlling operation in conformance with the provisions in Section 8-1.06, "Time of Completion," of the Standard Specifications. Adjustments of contract time due to increases or decreases in settlement periods will be made by contract change order.

The removal of surplus embankment material placed as a settlement or surcharge embankment, including material removed to conform to the finished slope lines shown on the plans, will be paid for at the contract price per cubic yard for roadway excavation.

At the locations and to the limits shown on the plans, material below the bottom of bridge footings shall be removed and replaced with Class 2 aggregate base material in conformance with the placing and compacting requirements for structure backfill. The relative compaction shall be not less than 95 percent. Removal of the material will be measured and paid for by the cubic yard as structure excavation (bridge) and furnishing, placing, and compacting the replacement material will be measured and paid for by the cubic yard as structure backfill (bridge).

At Abutment 1 spread footing excavation below the limits of the compacted backfill shall be inspected and approved by the Engineer. The Contractor shall notify the Engineer in writing not less than 7 calendar days prior to the completion of a bridge footing excavation. The Contractor shall allow the Engineer not less than 24 hours for the bridge footing excavation to be inspected and approved prior to placing any forms, bar reinforcing steel or concrete into the footing excavation.

In the event the Engineer fails to complete the inspection and approval of the bridge footing excavation below the limits of the compacted backfill within the time allowed, and if, in the opinion of the Engineer, completion of the work is delayed or interfered with by reason of the Engineer's delay in completing the approval of the bridge footing excavation, the Contractor will be compensated for any resulting loss, and an extension of time will be granted, in the same manner as provided for in Section 8-1.09, "Right of Way Delays," of the Standard Specifications.

At the footings where material is removed and replaced, as described herein, a relative compaction of not less than 95 percent shall be obtained for a minimum depth of 0.5 foot below the bottom of excavation.

If the Contractor elects to use the "Weep Hole and Geocomposite Drain" alternative where permitted on the plans, the geocomposite drain shall conform to the details shown on the plans and the following:

- A. Geocomposite wall drain shall consist of a manufactured core not less than 0.25 inch thick nor more than 2 inches thick with one or both sides covered with a layer of filter fabric that will provide a drainage void. The drain shall produce a flow rate through the drainage void of at least 2.0 gallons per minute per foot of width at a hydraulic gradient of 1.0 and a minimum externally applied pressure of 3,500 psf.
- B. A Certificate of Compliance conforming to the provisions in Section 6-1.07, "Certificates of Compliance," of the Standard Specifications shall be furnished for the geocomposite drain certifying that the drain produces the required flow rate and complies with these special provisions. The Certificate of Compliance shall be accompanied by a flow capability graph for the geocomposite drain showing flow rates for externally applied pressures and hydraulic gradients. The flow capability graph shall be stamped with the verification of an independent testing laboratory.
- C. Filter fabric for geocomposite wall drain shall conform to the provisions in Section 88-1.02, "Filtration," of the Standard Specifications. Filter fabric shall be Class A.
- D. The manufactured core shall be either a preformed grid of embossed plastic, a mat of random shapes of plastic fibers, a drainage net consisting of a uniform pattern of polymeric strands forming 2 sets of continuous flow channels, or a system of plastic pillars and interconnections forming a semirigid mat.
- E. The core material and filter fabric shall be capable of maintaining the drainage void for the entire height of geocomposite drain. Filter fabric shall be integrally bonded to the side of the core material with the drainage void. Core material manufactured from impermeable plastic sheeting having nonconnecting corrugations shall be placed with the corrugations approximately perpendicular to the drainage collection system.
- F. The geocomposite drain shall be installed with the drainage void and the filter fabric facing the embankment. The fabric facing the embankment side shall overlap a minimum of 3 inches at all joints and wrap around the exterior edges a minimum of 3 inches beyond the exterior edge. If additional fabric is needed to provide overlap at joints and wrap-around at edges, the added fabric shall overlap the fabric on the geocomposite drain at least 6 inches and be attached thereto.
- G. Should the fabric on the geocomposite drain be torn or punctured, the damaged section shall be replaced completely or repaired by placing a piece of fabric that is large enough to cover the damaged area and provide a minimum 6-inch overlap.
- H. Plastic pipe shall conform to the provisions for edge drain pipe and edge drain outlets in Section 68-3, "Edge Drains," of the Standard Specifications.
- I. Treated permeable base to be placed around the slotted plastic pipe at the bottom of the geocomposite drain shall be cement treated permeable base conforming to the provisions for cement treated permeable base in Section 29, "Treated Permeable Bases," of the Standard Specifications and these special provisions.
- J. The treated permeable base shall be enclosed with a high density polyethylene sheet or PVC geomembrane, not less than 10 mils thick, that is bonded with a suitable adhesive to the concrete and geocomposite drain. Surfaces to receive the polyethylene sheet shall be cleaned before applying the adhesive. The treated permeable base shall be compacted with a vibrating shoe type compactor.

Pervious backfill material placed within the limits of payment for bridges will be measured and paid for as pervious backfill material (retaining wall).

Pervious backfill material placed within the limits of payment for retaining walls will be measured and paid for as pervious backfill material (retaining wall).

If structure excavation or structure backfill for bridges is not otherwise designated by type and payment for the structure excavation or structure backfill has not otherwise been provided for in the Standard Specifications or these special provisions, the structure excavation or structure backfill will be measured and paid for as structure excavation (bridge), structure excavation (retaining wall) or structure backfill (bridge), structure backfill (retaining wall), respectively.

10-1.36 SAND BEDDING

Sand Bedding shall conform with the details shown on the plans, and to the provisions in Section 19-3.025B, "Sand Bedding," of the Standard Specifications, and these special provisions. Sand bedding will be measured by the cubic yard. Quantities of sand bedding will be determined from the dimensions shown on the plans or such other dimensions as may be ordered in writing by the Engineer.

The contract price paid per cubic yard for sand bedding shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in placing sand bedding, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

BID ITEM LIST
05-349504

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	150857	REMOVE ASPHALT CONCRETE SURFACING	SQFT	4,435		
42	152390	RELOCATE ROADSIDE SIGN	EA	21		
43	152440	ADJUST MANHOLE TO GRADE	EA	2		
44	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	1,030		
45	017429	REMOVE SACKED CONCRETE	CY	6		
46	153210	REMOVE CONCRETE	CY	18		
47	153216	REMOVE CONCRETE CURB AND SIDEWALK	CY	75		
48	153223	REMOVE UNSOUND CONCRETE	CF	111		
49	153235	CLEAN BRIDGE DECK	SQFT	4,435		
50	155001	PLUG CULVERT	EA	2		
51	157560	BRIDGE REMOVAL (PORTION)	LS	LUMP SUM	LUMP SUM	
52	160101	CLEARING AND GRUBBING	LS	LUMP SUM	LUMP SUM	
53	190101	ROADWAY EXCAVATION	CY	102,000		
54	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
55 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	CY	550		
56 (F)	192037	STRUCTURE EXCAVATION (RETAINING WALL)	CY	2,000		
57	192502	SAND BEDDING	CY	180		
58 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	CY	570		
59	BLANK					
60 (F)	193013	STRUCTURE BACKFILL (RETAINING WALL)	CY	2,635		