

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
OFFICE ENGINEER, MS 43
1727 30TH STREET
P.O. BOX 168041
SACRAMENTO, CA 95816-8041
FAX (916) 227-6214
TTY (916) 227-8454



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**** WARNING ** WARNING ** WARNING ** WARNING ****
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January 11, 2008

03-Sac-5-34.8/39.7
03-0A3604
ACIM-005-6(325)E

Addendum No.2

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in SACRAMENTO COUNTY IN SACRAMENTO FROM 0.6 KM SOUTH OF ROUTE 5/50 SEPARATION TO RICHARDS BOULEVARD UNDERCROSSING.

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 January 29, 2008.

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

Project Plan Sheets 286 and 287 are revised. Half-sized copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 20A and 285A are added. Half-sized copies of the added sheets are attached for addition to the project plans.

In the Special Provisions, Section 4, "BEGINNING OF WORK, TIME OF COMPLETION, AND LIQUIDATED DAMAGES," in subsection "INCENTIVES AND DISINCENTIVES," the twelfth paragraph is deleted.

In the Special Provisions, Section 10-1.575, "PREPARE AND STAIN CONCRETE," is added as attached.

In the Special Provisions, Section 10-2.055, "GLASS MULCH (Recycled Crushed Glass)," is added as attached.

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In the Proposal and Contract, the Engineer's Estimate Item 64 is revised, Items 126, 127 and 128 are added and Item 125 is deleted as attached.

To Proposal and Contract book holders:

Replace pages 6 and 9 of the Engineer's Estimate in the Proposal with the attached revised pages 6 and 9 of the Engineer's Estimate. The revised Engineer's Estimate 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 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.

This office is sending this addendum by GSO overnight mail to Proposal and Contract book holders to ensure that each receives it. A copy of this addendum and the modified wage rates are available for the contractor's use on the Internet Site:

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

10-1.575 PREPARE AND STAIN CONCRETE

This work shall consist of preparing and staining concrete surfaces where shown on the plans in conformance with the provisions in Section 59-1.06, "Painting Concrete," of the Standard Specifications and these special provisions.

Concrete stain shall be a water-based solution of metallic salts that penetrate and react with concrete to produce insoluble, abrasion-resistant color deposits. The stain shall contain dilute acid to etch concrete surfaces so that the staining ingredients can penetrate the concrete.

Concrete stain shall be formulated and applied so that the final color of the stained concrete conforms to Federal Standard 595B No. 24585, 25095, 33655, 34230, and 35275 as shown on the plans.

A test panel at least one meter by one meter shall be completed and approved for each color at a location approved by the Engineer before beginning work on staining concrete. The test panel shall be constructed, finished, and stained with the materials, tools, equipment, personnel, and methods to be used in constructing, finishing, and staining the concrete surfaces. Additional test panels may be ordered by the Engineer until the specified finish, texture, and color are obtained.

The test panel approved by the Engineer shall be used as the standard of comparison in determining acceptability of staining for concrete surfaces.

The Contractor shall submit a copy of the stain manufacturer's recommendations and written application instructions to the Engineer not less than 7 days before applying concrete stain to test panels.

Immediately before commencing work, the Contractor shall test concrete surfaces to be stained for acceptance of stain in conformance with the manufacturer's recommendations. Areas that resist accepting stain shall be cleaned as approved by the Engineer.

The Contractor shall apply the concrete stain in conformance with the manufacturer's recommendations and these special provisions. The stain shall be applied per manufacturer's recommendations which may include a spray application.

The Contractor shall protect adjacent surfaces during concrete staining operations.

The contract lump sum price paid for prepare and stain concrete shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in preparing of and applying stain to concrete surfaces, complete in place, including construction of test panels, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

10-2.055 GLASS MULCH (Recycled Crushed Glass)

Glass mulch work shall consist of furnishing and placing glass mulch, including site preparation, and weed control fabric in conformance with the Standard Specifications, these special provisions, as shown on the plans, and as directed by the Engineer.

MATERIALS

Glass

Glass shall be clean and free of dust, debris and odor prior to delivery.

Glass mulch shall consist of recycled glass, crushed, screened and vacuumed to 16mm industry standard and shall conform to the following requirements:

Grading Requirements

Sieve Size	Percent Passing
20-mm	100
16-mm	90-100
10-mm	35-60
6.35- μ m	10-30
4.75- μ m	2-9

The color of glass shall be multi-colors. Glass shall be mixed approximately as follows: 30% golden, 40% lighter green, 20% darker green and 10% clear.

The Contractor shall submit a 2 kg sample of mixed glass to the Engineer for approval prior to delivery of materials to the site.

Weed Control Fabric

Weed control fabric shall be manufactured from thermally spun bonded polypropylene fabric and shall conform to the following:

Specification	Minimum Requirement
Thickness	N/A
Grab Tensile Strength	59 kg
Grab Elongation	60%
Puncture	18 kg
Trap Tear	27 kg
Mullen Burst	970 kPa
UV Resistance	70% @ 150 hours
Permeability	N/A

Prior to glass mulch installation, only the center median areas shown on the plans shall be cleared as specified under "Clearing and Grubbing" in these special provisions.

EARTHWORK

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

After clearing, the areas to receive glass mulch shall be graded to a smooth surface as needed.

SOIL TREATMENT

Following soil clearing, the subbase shall be sterilized with Dichlobenil, in conformance with Section 20-4.026, "Pesticides" of the Standard Specifications and the manufacturer's recommendations.

Pesticides shall be applied at the maximum rate unless otherwise directed by the Engineer with a device approved by the Engineer. Pesticides shall not be applied more than 8 hours prior to placing glass mulch. Pesticides shall not be applied more than 300 mm beyond the areas to be surfaced.

Prior to placement of glass mulch, the soil surface shall be smooth, firm stable and free of rocks, clods, foliage, roots or other material greater than 25 mm in diameter.

PLACEMENT

Weed control fabric shall be placed in areas to receive glass mulch. Weed control fabric shall be placed loosely with longitudinal and transverse joints overlapped 200 mm. Following placement, the fabric shall lie flat, smooth and be in uniform contact with the soil surface, without bulges or wrinkles. Fabric shall be stapled or staked in place to keep fabric in place during glass placement.

Glass mulch shall be placed in 50 mm layers.

Glass mulch shall be raked to evenly blend various material and sizes forming a smooth uniform surface.

When placement is complete, the surface shall be uniform, maintain original flow lines, slope gradient and contours of the project site.

MEASUREMENT

Glass mulch will be measured by the cubic meter, as determined from actual measurements made parallel to the ground slope.

PAYMENT

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

ENGINEER'S ESTIMATE
03-0A3604

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	401108	REPLACE CONCRETE PAVEMENT (RAPID STRENGTH CONCRETE)	M3	2300		
62	406100	DOWEL BAR RETROFIT	EA	7530		
63 (S)	420201	GRIND EXISTING CONCRETE PAVEMENT	M2	13 300		
64	041199	STRUCTURAL CONCRETE (PAVEMENT SLAB)	M3	7452		
65 (F)	510087	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	M3	250		
66 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	M3	33		
67	511118	CLEAN EXPANSION JOINT	M	706		
68	515041	FURNISH POLYESTER CONCRETE OVERLAY	M3	1500		
69 (F)	515042	PLACE POLYESTER CONCRETE OVERLAY	M2	65 400		
70 (S)	519102	JOINT SEAL (TYPE AL)	M	190		
71 (S)	519117	JOINT SEAL (MR 30 MM)	M	513		
72 (S)	519142	JOINT SEAL (MR 40 MM)	M	91		
73 (S-F)	041200	BAR REINFORCING STEEL (PAVEMENT SLAB)	KG	1 143 400		
74	406001	TIE BAR	EA	26 300		
75 (F)	540102	TREAT BRIDGE DECK	M2	593		
76	540108	FURNISH BRIDGE DECK TREATMENT MATERIAL	L	271		
77 (F)	560218	FURNISH SIGN STRUCTURE (TRUSS)	KG	1500		
78	566011	ROADSIDE SIGN - ONE POST	EA	11		
79	568016	INSTALL SIGN PANEL ON EXISTING FRAME	M2	95		
80	568017	INSTALL ROADSIDE SIGN PANEL ON EXISTING POST	EA	3		

ENGINEER'S ESTIMATE

03-0A3604

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121 (S)	860508	MODIFY SIGN ILLUMINATION	LS	LUMP SUM	LUMP SUM	
122 (S)	860889	MODIFY TRAFFIC MONITORING STATION	LS	LUMP SUM	LUMP SUM	
123 (S)	861088	MODIFY RAMP METERING SYSTEM	LS	LUMP SUM	LUMP SUM	
124 (S)	994650	BUILDING WORK	LS	LUMP SUM	LUMP SUM	
125	BLANK					
126 (S)	202011A	GLASS MULCH	M3	340		
127 (S)	597601	PREPARE AND STAIN CONCRETE	LS	LUMP SUM	LUMP SUM	
128	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID (A): = _____

TOTAL BID (B):
\$67,486.00 X _____ = _____
 (Cost Per Day) (Enter Working Days Bid)
 (Not To Exceed 250 Days)

TOTAL BASIS FOR COMPARISON OF BIDS (A + B): = _____

TOTAL BID: _____