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**\*\* WARNING \*\* WARNING \*\* WARNING \*\* WARNING \*\***  
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October 26, 2007

07-LA-5-C45.4/C46.1  
07-1X8404  
ACSTP-43Y1(001)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in LOS ANGELES COUNTY NEAR LOS ANGELES FROM SOUTH 14 TO SOUTH 5 CONNECTOR OVERHEAD TO 0.4 MILE SOUTH OF WELDON CANYON 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 October 29, 2007 at 10:00 a.m.

This addendum is being issued to revise the Project Plans, the Notice to Contractors and Special Provisions, and the Proposal and Contract and provide a copy of the Information Handout for the "Surface Wipe Sampling Report".

Project Plan Sheets 46, 47 and 49 are revised. Half-sized pdf format of the revised sheets are available for substitution for the like-numbered sheets on the Web site:

**[http://www/hq/esc/oe/project\\_ads\\_addenda/07/07-1X8404/pdf/](http://www/hq/esc/oe/project_ads_addenda/07/07-1X8404/pdf/)**

Project Plan Sheet 2 is revised as follows:

In the "SOUTHBOUND 5 (TRUCK) from STA 32+20 TO 40+51," the "POLYESTER CONCRETE OVERLAY" is deleted.

In the Special Provisions, pages 185 and 186 were omitted. Pages 185 and 186 are attached.

In the Special Provisions, Section 4, "BEGINNING OF WORK, TIME OF COMPLETION AND LIQUIDATED DAMAGES," the first sentence of the first paragraph is revised as follows:

"The work must be diligently prosecuted to completion before the expiration of **33 working days.**"

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In the Special Provisions, Section 4, "BEGINNING OF WORK, TIME OF COMPLETION AND LIQUIDATED DAMAGES," the fourth through seventh paragraphs under the subsection "INCENTIVES AND DISINCENTIVES" are revised as follows:

"If you complete all contract work before 33 days, you will receive a \$150,000 incentive payment per day for each day less than 33 days, not to exceed \$2,400,000.

If you complete all contract work before 12:01 a.m. on November 21, 2007, you will receive an additional incentive payment of \$500,000.

Total incentive payments will not exceed \$2,900,000.

If you do not complete all contract work before the expiration of 33 days, the Department will deduct a \$150,000 disincentive per day for each additional day you take to complete the work."

In the Special Provisions, Section 5-1.12, "FORCE ACCOUNT PAYMENT," under the subsection "Non-Subcontracted Force Account Payment," the third paragraph is deleted.

In the Special Provisions, Section 10-1.27, "MAINTAINING TRAFFIC," the sixth through ninth paragraphs are deleted.

In the Special Provisions, Section 10-1.27, "MAINTAINING TRAFFIC," Lane Closure No. 6 is added as attached.

In the Special Provisions, Section 10-1.45, "CONCRETE PAVEMENT (RAPID STRENGTH CONCRETE)," subsection "RAPID STRENGTH CONCRETE," subtitle "General," the fourth paragraph is deleted.

In the Special Provisions, Section 10-1.45, "CONCRETE PAVEMENT (RAPID STRENGTH CONCRETE)," subsection "DOWEL PLACEMENT," the first sentence of the fifth paragraph is revised as follows:

"When dowel bar baskets are used, they shall be anchored to the base to hold the dowel bars at the middle one-third of the thickness depth alignment during concrete placement without displacement."

In the Special Provisions, Section 10-1.45, "CONCRETE PAVEMENT (RAPID STRENGTH CONCRETE)," subsection "RAPID STRENGTH CONCRETE," subtitle "General," the last sentence of the seventh paragraph is deleted.

In the Special Provisions, Section 10-1.52, "POLYESTER CONCRETE OVERLAY," is deleted.

In the Proposal and Contract, the Engineer's Estimate Items 25, 46, 51, and 52 are revised and Items 49 and 50 are deleted as attached.

To Proposal and Contract book holders:

Replace pages 4 and 5 of the Engineer's Estimate in the Proposal with the attached revised pages 4 and 5 of the Engineer's Estimate. The revised Engineer's Estimate is to be used in the bid.

A copy of the Information Handout for the "SURFACE WIPE SAMPLING REPORT" is available on the Web site:

**[http://www/hq/esc/oe/project\\_ads\\_addenda/07/07-1X8404/pdf/](http://www/hq/esc/oe/project_ads_addenda/07/07-1X8404/pdf/)**

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.

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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 Proposal and Contract book holders to ensure that each receives it. A copy of this addendum is available for the contractor's use on the Web site:

**[http://www/hq/esc/oe/project\\_ads\\_addenda/07/07-1X8404/pdf/](http://www/hq/esc/oe/project_ads_addenda/07/07-1X8404/pdf/)**

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

**Pay Factor Adjustment for Low Modulus of Rupture**

Payment for replace concrete pavement (Rapid Strength Concrete) will be adjusted for low modulus of rupture tests as follows:

1. Replace concrete pavement (Rapid Strength Concrete) with modulus of rupture of 550 pounds per square inch or greater before the lane is opened to the traffic and 7-day modulus of rupture of 650 pounds per square inch or greater will be paid for at the contract price per cubic yard for replace concrete pavement (Rapid Strength Concrete).
2. Replace concrete pavement (Rapid Strength Concrete) with a 7-day modulus of rupture of less than 600 pounds per square inch will not be paid for, and shall be removed and replaced, at the Contractor's expense with replace concrete pavement (Rapid Strength Concrete) conforming to the requirements of these special provisions.
3. Replace concrete pavement (Rapid Strength Concrete) with modulus of rupture of 500 pounds per square inch or greater before the lane is opened to traffic and a 7-day modulus of rupture of equal to or greater than 600 pounds per square inch will be paid for at a percentage of the contract price per cubic yard for replace concrete pavement (Rapid Strength Concrete) in conformance with the percentages in the pay table below.
4. Replace concrete pavement (Rapid Strength Concrete) with modulus of rupture of less than 500 pounds per square inch when the lane is opened to traffic will be rejected and shall be removed and replaced at the Contractor's expense with replace concrete pavement (Rapid Strength Concrete) conforming to the requirements of these special provisions.

Percentage Pay Table

Modulus of Rupture (psi) at opening to traffic	7-Day Modulus of Rupture (psi)		
	Greater than or equal to 650	Less than 650 and greater than or equal to 625	Less than 625 and greater than or equal to 600
Greater than or equal to 550	100%	95%	90%
Less than 550 and greater than or equal to 500	95%	90%	85%
Less than 500	zero	zero	zero

Concrete pavement (Rapid Strength Concrete) that develops one or more shrinkage cracks after placement shall be sealed at the Contractor's expense with methacrylate resin conforming to the requirements of "Polyester Concrete Overlay" of these special provisions and these special provisions.

The material used for treating the concrete shall be a high molecular weight methacrylate resin conforming to the following:

High Molecular Weight Methacrylate (HMWM) Resin		
PROPERTY	REQUIREMENT	TEST METHOD
* Viscosity	25 cP, maximum, (Brookfield RVT with UL adaptor, 50 RPM at 77°F)	ASTM D 2196
* Specific Gravity	0.90, minimum, at 77°F	ASTM D 1475
* Flash Point	180°F, minimum	ASTM D 3278
* Vapor Pressure	1.0 mm Hg, maximum, at 77°F	ASTM D 323
Tack-free time	400 minutes, maximum at 77°F	California Test 551
PCC Saturated Surface-Dry Bond Strength	500 psi, minimum at 24 hours and 70 ± 1.5°F	California Test 551
* Test shall be performed prior to adding initiator.		

A compatible promoter/initiator system shall be capable of providing a resin gel time of not less than 40 minutes nor more than 1.5 hours at the temperature of application. Gel time shall be adjusted to compensate for the changes in temperature throughout sealing.

The relative humidity shall be less than 90 percent at time of sealing.

Grinding will not be permitted on the sealed concrete until: (1) the sealed surface is tack free (non oily), and (2) the sand cover adheres sufficiently to resist brushing by hand.

The Contractor shall seal a test area of approximately 540 square feet at a location approved by the Engineer. Conditions during the test sealing and equipment used in the test shall be similar to those expected and to be used for the concrete sealing operations. Prior to sealing the concrete within the traveled way, the test seal shall comply with the above 2 requirements.

Should the above 2 requirements not be met, the Contractor shall suspend treating of concrete until another test area is sealed and passes the requirements for the first test area.

The promoter and initiator, if supplied separately from the resin, shall not be mixed directly with each other. Containers of promoters and initiators shall not be stored together in a manner that will allow leakage or spillage from one to contact the containers or material of the other.

The quantity of resin mixed with promoter and initiator shall be limited to 5 gallons at a time for manual application.

Machine application of the resin may be performed by using a two-part resin system utilizing a promoted resin for one part and an initiated resin for the other part. This two-part resin system may be combined at equal volumes to spray bars through separate positive displacement pumps. Combining of the 2 components may be by either static in-line mixers or by external intersecting spray fans. The pump pressure at the spray bar shall not be great enough to cause appreciable atomization of the resin. Compressed air shall not be used to produce the spray. A shroud shall be used to enclose the spray bar apparatus. Hand held spray apparatus will not be allowed.

Joints, drainage facilities and pavement markers shall be adequately protected to prevent contamination by the sealing material. Contaminated items shall be repaired at the Contractor's expense. Traffic stripes and pavement markings shall be cleaned to remove resin during sealing at the Contractor's expense.

The prepared area shall be dry and the surface temperature shall not exceed 100°F when the resin is applied. The rate of application of promoted/initiated resin shall be approximately 100 square feet per gallon; the exact rate shall be determined by the Engineer.

The surfaces to be sealed shall be flooded with resin, allowing penetration into the concrete and filling of all cracks. The sealant shall be applied within 5 minutes after complete mixing. A significant increase in viscosity shall be cause for rejection. Excess material shall be redistributed by squeegees or brooms within 10 minutes after application.

After the resin has been applied, at least 20 minutes shall elapse before applying sand. The sand shall be commercial quality dry blast sand. Ninety-five percent of the sand shall pass the No. 8 sieve, and 95 percent shall be retained on the No. 30 sieve. The sand shall be applied at a rate of approximately 0.2 pounds per square foot.

Excess sand shall be removed from the concrete surface by vacuuming or sweeping prior to grinding.

The Contractor shall pay to the State adjustments in payment for low modulus of rupture tests in conformance with the requirements specified in the tables in this section. The Department will deduct the amount of the adjustments from moneys due or that may become due, the Contractor under the contract.

### **Proportioning**

Weighing, measuring and metering devices used for proportioning materials shall conform to the provisions in Section 9-1.01, "Measurement of Quantities," of the Standard Specifications and these special provisions.

Over and under dials, and other indicators for weighing and measuring systems used in proportioning materials shall be grouped so that the smallest increment for each indicator can be accurately read from the point at which the proportioning operation is controlled for ingredients batched at a central batch plant. In addition, indicators for weighing and measuring cement batched from a remote weighing system shall also be placed so that each indicator can be accurately read from the point at which the proportioning operation is controlled.

Aggregates shall be handled and stored in conformance with the provisions in Section 90-5.01, "Storage of Aggregates," of the Standard Specifications. Liquid admixtures shall be proportioned in conformance with the provisions in Section 90-4.10, "Proportioning and Dispensing Liquid Admixtures," of the Standard Specifications. Mineral admixtures shall be protected from exposure to moisture until used. Adequate facilities shall be provided to assure that mineral admixtures meeting the specified requirements are kept separate from other mineral admixtures to easily track the materials that are entering the work. Safe and suitable facilities for sampling mineral admixtures shall be provided at the weigh hopper or in the feed line immediately in advance of the hopper.

Weighing equipment shall be insulated against vibration or movement of other operating equipment. When the plant is in operation, the weight of each draft of material shall not vary from the designated weight by more than the tolerances specified herein. Each scale graduation shall be 0.001 of the usable scale capacity.

Aggregate shall be weighed cumulatively and equipment for the weighing of aggregate shall have a zero tolerance of  $\pm 0.5$  percent of the designated total batch weight of the aggregate. Equipment for the separate weighing of the cement or mineral admixture shall have a zero tolerance of  $\pm 0.5$  percent of their designated individual batch drafts. Equipment for measuring water shall have a zero tolerance of  $\pm 0.5$  percent of its designated weight or volume.

The weight indicated for any individual batch of material shall not vary from the preselected scale setting by more than the following:

**Chart No. 6  
Complete Ramp Closure Hours**

County: LA	Route/Direction: 5/South																								
Closure Limits: Calgrove Blvd on-ramp																									
FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Mondays through Thursdays	C	C	C	C	C	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	C	C	C	C	C
Fridays	C	C	C	C	C	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	C	C	C	C
Saturdays	C	C	C	C	C	C	C	C	C	N	N	N	N	N	N	N	N	N	N	N	C	C	C	C	C
Sundays	C	C	C	C	C	C	C	C	C	C	N	N	N	N	N	N	N	N	N	N	N	C	C	C	C

**Legend:**

C Ramp may be closed completely

N No work permitted

**REMARKS:**Detour traffic south on The Old Road; south on San Fernando Road; south on Sepulveda Blvd (The Old Road) to the on-ramp to southbound Route 5. Place detour sign (SP-7), as shown on the plans, on southbound The Old Road (Chiquella Lane), 300 feet in advance of Calgrove Blvd. A minimum of 12 special freeway detour signs (SP-2), as shown on the plans, shall be posted along the detour route and shall be removed at the end of each closure.

**ENGINEER'S ESTIMATE  
07-1X8404**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	150771	REMOVE ASPHALT CONCRETE DIKE	LF	770		
22	150846	REMOVE CONCRETE PAVEMENT	SQYD	2,370		
23 (S)	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	1,030		
24	153221	REMOVE CONCRETE BARRIER	LF	490		
25	153223	REMOVE UNSOUND CONCRETE	CF	2,932		
26 (S)	156590	REMOVE CRASH CUSHION (SAND FILLED)	EA	2		
27	157560	BRIDGE REMOVAL (PORTION)	LS	LUMP SUM	LUMP SUM	
28	190101	ROADWAY EXCAVATION	CY	3,350		
29	190113	ASBESTOS COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
30 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	CY	425		
31 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	CY	425		
32 (S)	203002	EROSION CONTROL (COMPOST BLANKET)	CY	130		
33 (S)	203019	EROSION CONTROL, BFM	SQYD	4,350		
34	250401	CLASS 4 AGGREGATE SUBBASE	CY	28		
35	260201	CLASS 2 AGGREGATE BASE	CY	23		
36	260301	CLASS 3 AGGREGATE BASE	CY	1,020		
37	013031	LEAN CONCRETE BASE (RAPID SETTING)	CY	730		
38	390103	ASPHALT CONCRETE (TYPE B)	TON	28		
39	390126	RUBBERIZED ASPHALT CONCRETE (TYPE G)	TON	120		
40	394044	PLACE ASPHALT CONCRETE DIKE (TYPE C)	LF	77		

**ENGINEER'S ESTIMATE  
07-1X8404**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	394049	PLACE ASPHALT CONCRETE DIKE (TYPE F)	LF	590		
42	013032	CONCRETE PAVEMENT (RAPID STRENGTH CONCRETE)	CY	1,580		
43	404092	SEAL PAVEMENT JOINT	LF	3,730		
44 (S)	420201	GRIND EXISTING CONCRETE PAVEMENT	SQYD	4,360		
45 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	CY	158		
46	511106	DRILL AND BOND DOWEL	LF	3,496		
47 (S)	512204	FURNISH PRECAST PRESTRESSED CONCRETE GIRDER (50'-60')	EA	15		
48 (S)	512401	ERECT PRECAST CONCRETE GIRDER	EA	15		
49	BLANK					
50	BLANK					
51 (S-F)	520102	BAR REINFORCING STEEL (BRIDGE)	LB	101,300		
52	041219	SHOTCRETE (STRUCTURAL SECTION)	CY	282		
53	041220	SHOTCRETE (FINISH COAT)	SQFT	24,900		
54 (S)	832001	METAL BEAM GUARD RAILING	LF	680		
55	833165	CONCRETE BARRIER (TYPE 27B MODIFIED)	LF	30		
56	839521	CABLE RAILING	LF	102		
57 (S)	839541	TRANSITION RAILING (TYPE WB)	EA	4		
58 (S)	839576	END CAP (TYPE A)	EA	1		
59 (S)	839581	END ANCHOR ASSEMBLY (TYPE SFT)	EA	2		
60 (S)	839584	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	1		