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**DIVISION OF ENGINEERING SERVICES**  
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**\*\* WARNING \*\* WARNING \*\* WARNING \*\* WARNING \*\***  
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June 10, 2005

07-LA-210-R75.0/R79.4  
07-172174

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in LOS ANGELES COUNTY IN LA VERNE AND CLAREMONT FROM FOOTHILL BOULEVARD OVERCROSSING TO THOMPSON CREEK BRIDGE.

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 June 16, 2005.

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

In the Special Provisions, Section 10-1.19, "EROSION CONTROL (TYPE D)," is revised as attached.

In the Proposal and Contract, the Engineer's Estimate, Items 11 and 12 are revised as attached.

To Proposal and Contract book holders:

Replace Page 3 of the Engineer's Estimate in the Proposal with the attached revised Page 3 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.

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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 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](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  
Office Engineer

Attachments

**10-1.19 EROSION CONTROL (TYPE D)**

Erosion control (Type D) shall conform to the provisions in Section 20-3, "Erosion Control," of the Standard Specifications and these special provisions and shall consist of applying erosion control materials to embankment and excavation slopes, as shown on the plans and other areas disturbed by construction activities.

Erosion control (Type D) shall be applied when an area is ready to receive erosion control as determined by the Engineer and in conformance with the provisions in "Move-in/Move-out (Erosion Control)" of these special provisions.

Prior to installing erosion control materials, soil surface preparation shall conform to the provisions in Section 19-2.05, "Slopes," of the Standard Specifications, except that rills and gullies exceeding 50 mm in depth or width shall be leveled. Vegetative growth, temporary erosion control materials, and other debris shall be removed from areas to receive erosion control (Type D).

**MATERIALS**

Materials shall conform to the provisions in Section 20-2, "Materials," of the Standard Specifications and these special provisions.

**Seed**

Seed shall conform to the provisions in Section 20-2.10, "Seed," of the Standard Specifications. Individual seed species shall be measured and mixed in the presence of the Engineer.

Seed shall be delivered to the project site in unopened separate containers with the seed tag attached. Containers without a seed tag attached will not be accepted.

A sample of approximately 30 g of seed will be taken from each seed container by the Engineer.

**Legume Seed**

Legume seed shall be pellet-inoculated or industrial-inoculated and shall conform to the following:

- A. Inoculated seed shall be inoculated in conformance with the provisions in Section 20-2.10, "Seed," of the Standard Specifications.
- B. Inoculated seed shall have a calcium carbonate coating.
- C. Industrial-inoculated seed shall be inoculated with Rhizobia and coated using an industrial process by a manufacturer whose principal business is seed coating and seed inoculation.
- D. Industrial-inoculated seed shall be sown within 180 calendar days after inoculation.
- E. Legume seed shall consist of the following:

**LEGUME SEED**

Botanical Name (Common Name)	Percent Germination (Minimum)	Kilograms Pure Live Seed Per Hectare (Slope Measurement)
Lupinus bicolor (Pygmy Leafed Lupine)	40	3.4

### Non-Legume Seed

Non-legume seed shall consist of the following:

NON-LEGUME SEED		
Botanical Name (Common Name)	Percent Germination (Minimum)	Kilograms Pure Live Seed Per Hectare (Slope Measurement)
Alyssum maritimum (Sweet William)	40	0.6
Alyssum sp. (Carpet of Snow)	40	0.6
Achillea millefolium (White Yarrow)	20	0.3
Clarkia amoena (Farewell to Spring)	40	0.6
Encelia Californica (Bush Sunflower)	30	2.3
Eriogonum fasciculatum (California Buckwheat)	5	5.7
Eriophyllum confertiflorum (Golden Yarrow)	30	0.6
Eschscholzia Californica (California Poppy)	40	1.0
Gazania Splendens (Gazania)	30	11.0
Lasthenia glabrata (Goldfields)	40	0.3
Penstemon spectabilis (Showy Penstemon)	30	0.6
Phacelia campanularia (California Blue Bells)	30	0.6
Poa secunda (Pine Bluegrass)	20	0.6
Vulpia microstachys (Small Fescue)	40	4.0

### Straw

Straw shall conform to the provisions in Section 20-2.06, "Straw," of the Standard Specifications and these special provisions.

Straw shall be derived from rice.

Straw shall be free of plastic, glass, metal, rocks, and refuse or other deleterious material.

### Compost

At the option of the Contractor, compost may be either A, B, or any combination of both:

- A. Green material consisting of chipped, shredded, or ground vegetation; or clean processed recycled wood products.
- B. Class A , exceptional quality biosolids composts, conforming to the requirements in United States Environmental Protection Agency (EPA) regulation 40 CFR, Part 503c.

Compost shall not contain paint, petroleum products, herbicides, fungicides or other chemical residues harmful to plant or animal life. Other deleterious material, plastic, glass, metal or rock shall not exceed 0.1-percent by weight or volume.

Compost shall be thermophilically processed for 15 days. During this process, the compost shall be maintained at minimum internal temperature of 55°C and be thoroughly turned at least 5 times. A 90-day curing period shall follow the thermophilic process.

Compost shall be screened through a screen no larger than 12 mm.

Compost shall measure at least 6 on the maturity and stability scale with a Solvita test kit.

A Certificate of Compliance for compost shall be furnished to the Engineer in conformance with the provisions in Section 6-1.07, "Certificates of Compliance," of the Standard Specifications. The Certificate of Compliance shall state the Solvita maturity and stability scale test result of the compost.

**Stabilizing Emulsion**

Stabilizing emulsion shall conform to the provisions in Section 20-2.11, "Stabilizing Emulsion," of the Standard Specifications and these special provisions.

Stabilizing emulsion shall be in a dry powder form, may be reemulsifiable, and shall be a processed organic adhesive used as a soil tackifier.

**APPLICATION**

Erosion control (Type D) materials shall be applied in separate applications in the following sequence:

- A. The following mixture in the rates indicated shall be applied with hydro-seeding equipment within 60 minutes after the seed has been added to the mixture:

Material	Kilograms Per Hectare (Slope Measurement)
Legume Seed	3.4
Non-Legume Seed	29.1
Fiber	390

Material	Cubic Meter Per Hectare (Slope Measurement)
Compost	4

- B. Straw shall be applied at the rate of 3.5 tonnes per hectare based on slope measurements. Incorporation of straw will not be required. Straw shall be distributed evenly without clumping or piling.
- C. The following mixture in the rates indicated shall be applied with hydro-seeding equipment:

Material	Kilograms Per Hectare (Slope Measurement)
Fiber	390
Stabilizing Emulsion (Solids)	170

Material	Cubic Meter Per Hectare (Slope Measurement)
Compost	4

The ratio of total water to total stabilizing emulsion in the mixture shall be as recommended by the manufacturer.

Once straw work is started in an area, stabilizing emulsion applications shall be completed in that area on the same working day.

The rates of erosion control materials may be changed by the Engineer to meet field conditions.

#### **MEASUREMENT AND PAYMENT**

Compost (erosion control) will be measured by the cubic meter in the vehicle at the point of delivery in conformance with the provisions in Section 9-1.01, "Measurement of Quantities," of the Standard Specifications.

The contract price paid per cubic meter for compost (erosion control) shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in applying compost for erosion control, 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**  
**07-172174**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	034572	REMOTE CONTROL VALVE ACTUATOR SYSTEM	EA	1		
2	074019	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	LUMP SUM	LUMP SUM	
3	074020	WATER POLLUTION CONTROL	LS	LUMP SUM	LUMP SUM	
4 (S)	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
5 (S)	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
6	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
7	200002	ROADSIDE CLEARING	LS	LUMP SUM	LUMP SUM	
8	202011	MULCH	M3	1090		
9	202031	COMMERCIAL FERTILIZER (SLOW RELEASE)	KG	2020		
10	203003	STRAW (EROSION CONTROL)	TONN	11.2		
11	203014	FIBER (EROSION CONTROL)	KG	2470		
12	203024	COMPOST (EROSION CONTROL)	M3	26		
13	203026	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	1		
14	203045	PURE LIVE SEED (EROSION CONTROL)	KG	110		
15	203061	STABILIZING EMULSION (EROSION CONTROL)	KG	550		
16	204035	PLANT (GROUP A)	EA	12 420		
17	204038	PLANT (GROUP U)	EA	2540		
18	204099	PLANT ESTABLISHMENT WORK	LS	LUMP SUM	LUMP SUM	
19	206560	CONTROL AND NEUTRAL CONDUCTORS	LS	LUMP SUM	LUMP SUM	
20	206611	25 MM ELECTRIC REMOTE CONTROL VALVE	EA	130		