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**** WARNING ** WARNING ** WARNING ** WARNING ****
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May 16, 2008

03-Pla-65-R19.3/R38.3
03-3338U4
CML-6203(040)

Addendum No. 5

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in PLACER COUNTY NEAR LINCOLN FROM 0.6 KM NORTH OF TWELVE BRIDGES OVERCROSSING TO 1.3 KM SOUTH OF BEAR RIVER.

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 May 21, 2008.

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

In the Special Provisions, Section 10-1.48 "EROSION CONTROL (DRILL SEED)," is replaced as attached.

To Proposal and Contract book holders:

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.

Addendum No. 5
Page 2
May 16, 2008

03-Pla-65-R19.3/R38.3
03-3338U4
CML-6203(040)

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

10-1.48 EROSION CONTROL (DRILL SEED)

Attention is directed to "Erosion Control (Blanket)," and "Erosion Control (Type I)," of these special provisions. Erosion control (drill seed) includes drilling seed into embankment and excavation slopes that are 1:3 (vertical:horizontal) or flatter, the median, and other areas designated by the Engineer.

Erosion control must comply with Section 20-3, "Erosion Control," of the Standard Specifications and these special provisions.

Do not seed a strip 1.0 m wide adjacent to the edge of pavement.

Before applying erosion control materials, the Engineer designates the ground location of erosion control in increments of 1 hectare or smaller for smaller areas. Place stakes or other suitable markers at the locations designated by the Engineer. Furnish all tools, labor, and materials required to designate the various locations.

MATERIALS

Materials must comply with Section 20-2, "Materials," of the Standard Specifications and these special provisions.

Seed

Seed (Type 1) shall be applied to all other disturbed areas not designated on the plans. Attention is directed to Erosion Control Detail "ECD-1" regarding the location for the application of Seed (Type 2). Seed (Type 2) shall be applied to all areas as designated on the plans. Seed must comply with Section 20-2.10, "Seed," of the Standard Specifications. Seed not required to be labeled under the California Food and Agricultural Code must be tested for purity and germination by a seed laboratory certified by the Association of Official Seed Analysts or by a seed technologist certified by the Society of Commercial Seed Technologists. Measure and mix individual seed species in the presence of the Engineer.

Seed must not contain more than 1.0 percent total weed seed by weight.

Deliver seed to the job site in unopened separate containers with the seed tag attached. Containers without a seed tag attached are not accepted. The Engineer will take a sample of approximately 30 g or 60 ml of seed for each seed lot greater than 1 kg.

Seed must comply with the following:

Seed (Type 1)		
Botanical Name (Common Name)	Percent Germination (Minimum)	Kilograms Pure Live Seed Per Hectare (Slope Measurement)
Lupinus nanus (Sky Lupine)	50	3.0
Trifolium wildenovii (Tomcat Clover)	50	3.0
Hordeum californicum (California Barley)	40	2.5
Nessella pulchra (Purple Needlegrass)	35	5.0
Eschscholzia californica (California Poppy)	35	1.0
Lasthenthia californica (Dwarf Goldfields)	35	2.0
Phacelia campanularia (California Blue Bells)	35	0.5

^aSeed produced in CA only.

Seed (Type 2)

Botanical Name (Common Name)	Percent Germination (Minimum)	Kilograms Pure Live Seed Per Hectare (Slope Measurement)
Hordeum brachyentherum (Meadow Barley)	40	4.0
Leymus triticoides (Creeping Wildrye)	35	2.0
Eschscholzia californica (California Poppy)	35	1.0
Lasthenthia californica (Dwarf Goldfields)	35	2.0

^aSeed produced in CA only.

Seed Sampling Supplies

At the time of seed sampling, furnish a glassine lined bag and custody seal tag for each seed lot sample.

Commercial Fertilizer

Commercial fertilizer must comply with Section 20-2.02, "Commercial Fertilizer," of the Standard Specifications and have a guaranteed chemical analysis that falls within the following range:

Ingredient	Percentage
Nitrogen	1-4
Phosphoric Acid	4-8
Water Soluble Potash	2-6

Straw

Straw shall be derived from rice.

Stabilizing Emulsion

Stabilizing emulsion must comply with Section 20-2.11, "Stabilizing Emulsion," of the Standard Specifications.

Stabilizing emulsion:

1. Must be in a dry powder form
2. Must be a processed organic adhesive used as a soil tackifier
3. May be re-emulsifiable

EQUIPMENT

Seeding equipment must be a rangeland drill seeder. The seeder must be equipped with a fluffy seed box with agitators to prevent bridging and clogging. The seed box must have metal row dividers and individual box adjustment to meter seed flow.

APPLICATION

Erosion Control (Drill Seed) materials shall be placed after Erosion Control (Type I) materials and prior to the application of Erosion Control (Blanket). Apply erosion control material in separate applications as follows:

1. Drill seed in rows at a maximum distance of 200 mm apart. Drill seed to a depth of 5.0 mm.
2. A minimum of 3 passes in different directions with seeding equipment is required to distribute the seed and reduce uniform row appearance.
3. Straw shall be applied at the rate of 3.5 tonnes per hectare (slope measurement). Straw shall be distributed evenly without clumping or piling. Incorporation of straw will not be required.
4. Apply the following mixture with hydro-seeding equipment at the corresponding rates:

Material	Kilograms Per Hectare (Slope Measurement)
Fiber	1600
Commercial Fertilizer	1200
Stabilizing Emulsion (Solids)	150

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

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

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

MEASUREMENT AND PAYMENT

Erosion control (drill seed) will be measured by the square meter or by the hectare, whichever is designated in the Engineer's Estimate. The area will be calculated on the basis of actual or computed slope measurements.

The contract price paid per square meter or by the hectare for erosion control (drill seed) includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in applying erosion control (drill seed) complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.