

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
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Be energy efficient!*

April 5, 2012

06-Tul-190-21.2/26.4
06-337414
Project ID 0600020605
ACSTP-P190(016)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN TULARE COUNTY NEAR PORTERVILLE FROM 0.1 MILE EAST OF ROAD 284 TO PLEASANT OAK DRIVE.

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, April 10, 2012.

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

On Project Plan Sheet No. 66, the call-out of the TABLE HEADING "EROSION CONTROL (POLYMER STABILIZED FIBER MATRIX)" is revised to read "EROSION CONTROL (BONDED FIBER MATRIX)."

In the Special Provisions, Section 10-1.255, "EROSION CONTROL (BONDED FIBER MATRIX) is added as attached.

In the Bid book, in the "Bid Item List," Items 80 and 81 are added and Items 27 and 79 are deleted as attached.

To Bid book holders:

Replace pages 4, 6 and 7 of the "Bid Item List" in the Bid book with the attached revised pages 4, 6 and 7 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.

Addendum No. 1
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April 5, 2012

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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/06/06-337414

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,



SHARRI BENDER EHLERT
District Director
District 6 Central Region

Attachments

10-1.255 EROSION CONTROL (BONDED FIBER MATRIX)

GENERAL

Summary

This work includes applying erosion control (bonded fiber matrix).

Comply with Section 20-3, "Erosion Control," of the Standard Specifications.

Comply with "Move-In/Move-Out (Erosion Control)" of these specifications.

If notified by the Engineer that an area is ready to receive erosion control materials, start erosion control (Bonded Fiber Matrix) work within 5 business days of the Engineer's notification to perform the work.

The Engineer designates the ground location of erosion control areas in increments of one acre or smaller by directing the placing of stakes or other suitable markers. Furnish tools, labor, materials, and transportation required to adequately indicate the various locations.

Submittals

At least 5 business days before applying erosion control materials, submit:

1. Material Safety Data Sheet for the tackifier.
2. Product label describing the tackifier as an erosion control product.
3. List of pollutant indicators and potential pollutants for erosion control materials. Pollutant indicators are described under "Sampling and Analysis Plan for Non-Visible Pollutants" in the Preparation Manual.
4. Determination of acute and chronic toxicity for aquatic organisms conforming to EPA methods for the tackifier.
5. Composition of ingredients including chemical formulation.

Submit a Certificate of Compliance as specified in Section 6-1.07, "Certificates of Compliance," of the Standard Specifications for:

1. Tackifier
2. Fiber

Quality Control and Assurance

Retain and submit records of erosion control materials applications including:

1. Compliance with specified rates
2. Application area
3. Application time
4. Quantity

MATERIALS

Seed

Seed for erosion control must comply with "Erosion Control (Hydroseed)," of these special provisions.

Commercial Fertilizer

Commercial fertilizer must have a guaranteed chemical analysis within 10 percent of 16 percent nitrogen, 20 percent phosphoric acid and 0 percent water soluble potash.

Tackifier

Tackifier must be:

1. Nonflammable
2. Nontoxic to aquatic organisms
3. Free from growth or germination inhibiting factors
4. Bonded to the fiber or prepackaged with the fiber by the manufacturer
5. At least 10 percent of the weight of the dry fiber and include the weight of the activating agents and additives
6. Organic, high viscosity colloidal polysaccharide with activating agents, or a blended hydrocolloid-based binder

Fiber

Fiber must be:

1. Long strand, whole wood fibers, thermo-mechanically processed from clean, whole wood chips
2. Not made from sawdust, cardboard, paper, or paper byproducts.
3. At least 25 percent of fibers 3/8 inch long.
4. At least 50 percent held on a No. 25 sieve.
5. Free from lead paint, printing ink, varnish, petroleum products, seed germination inhibitors, or chlorine bleach.
6. Free from synthetic or plastic materials.
7. At most 7 percent ash.
8. Coloring agent for fiber must be a biodegradable nontoxic coloring agent free from copper, mercury, and arsenic.

CONSTRUCTION

Application

Measure and mix individual seed species in the presence of the Engineer.

Use hydroseeding equipment to apply erosion control to locations shown on the plans:

1. To form a continuous mat with no gaps between the mat and the soil surface.
2. From 2 or more directions to achieve a continuous mat.
3. In layers to avoid slumping and to aid drying.
4. During dry weather or at least 24 hours before predicted rain. Unless manufacturer guidelines allow for application during wet weather.

Do not apply erosion control if:

1. Water is standing on or moving across the soil surface
2. Soil is frozen
3. Air temperature is below 40 °F during the tackifier curing period unless allowed by the tackifier manufacturer and approved by the Engineer

Apply erosion control in two applications:

1. Apply bonded fiber (fiber and tackifier) in the first application according the following rates:

First Application

Slope Rate	Pounds Per Acre ¹ (Slope Measurement)
Flatter than 3:1(horizontal:vertical)	1,100
From 3:1 to 2:1(horizontal:vertical)	1,500

¹Application rates of bonded fiber must be increased by 500 pounds per acre for surfaces roughened by techniques such as sheepsfoot-rolled, ripped, tracked, and imprinted.

2. Combine seed, organic fertilizer, and bonded fiber (fiber and tackifier) for the second application according to the following spread rates and apply the mixture within 60 minutes of adding seed to the mixture:

Second Application

Material	Pounds Per Acre ¹ (Slope Measurement)
Seed	25.5
Commercial Fertilizer	200
Bonded Fiber (Fiber and Tackifier)	2,000

¹Application rates of bonded fiber must be increased by 500 pounds per acre for surfaces roughened by techniques such as sheepsfoot-rolled, ripped, tracked, and imprinted.

The ratio of water to bonded fiber (fiber and tackifier) in the mixture must be as recommended by the manufacturer.

Do not over-spray erosion control materials onto the traveled way, sidewalks, lined drainage channels, or existing vegetation.

MEASUREMENT AND PAYMENT

Erosion control (bonded fiber matrix) will be measured by the square foot or by the acre, 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 foot or by the acre, for erosion control (bonded fiber matrix) includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in erosion control (bonded fiber matrix), 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
06-337414

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	152255	RESET MAILBOX	EA	49		
22	152320	RESET ROADSIDE SIGN	EA	8		
23	190101	ROADWAY EXCAVATION	CY	12,600		
24	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
25	190185	SHOULDER BACKING	TON	240		
26	203026	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	2		
27	BLANK					
28	203032	EROSION CONTROL (HYDROSEED) (ACRE)	ACRE	13		
29	260203	CLASS 2 AGGREGATE BASE (CY)	CY	10,100		
30	370001	SAND COVER (SEAL)	TON	130		
31	374002	ASPHALTIC EMULSION (FOG SEAL COAT)	TON	61		
32	022750	COLD IN PLACE RECYCLING	SQYD	113,000		
33	022751	EMULSIFIED RECYCLING AGENT	TON	160		
34	390132	HOT MIX ASPHALT (TYPE A)	TON	40,700		
35	394060	DATA CORE	LS	LUMP SUM	LUMP SUM	
36	394074	PLACE HOT MIX ASPHALT DIKE (TYPE C)	LF	1,380		
37	394076	PLACE HOT MIX ASPHALT DIKE (TYPE E)	LF	31,400		
38	394077	PLACE HOT MIX ASPHALT DIKE (TYPE F)	LF	6,200		
39	394090	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)	SQYD	2,520		
40	397005	TACK COAT	TON	47		

BID ITEM LIST
06-337414

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61 (F)	750001	MISCELLANEOUS IRON AND STEEL	LB	946		
62	810111	SURVEY MONUMENT (TYPE A)	EA	4		
63	820107	DELINEATOR (CLASS 1)	EA	10		
64	820130	OBJECT MARKER	EA	16		
65	832001	METAL BEAM GUARD RAILING	LF	4,970		
66	832013	METAL BEAM GUARD RAILING (7' POST)	LF	190		
67	022752	VEGETATION CONTROL (ASPHALT COMPOSITE)	SQFT	32,400		
68	839541	TRANSITION RAILING (TYPE WB)	EA	4		
69	839581	END ANCHOR ASSEMBLY (TYPE SFT)	EA	2		
70	839584	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	3		
71	839585	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	15		
72	840504	4" THERMOPLASTIC TRAFFIC STRIPE	LF	81,400		
73	840506	8" THERMOPLASTIC TRAFFIC STRIPE	LF	870		
74	840515	THERMOPLASTIC PAVEMENT MARKING	SQFT	130		
75	840523	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	LF	500		
76	840525	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	LF	18,700		
77	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	1,600		
78	022753	MODIFY VEHICLE CLASSIFICATION STATION	LS	LUMP SUM	LUMP SUM	
79	BLANK					
80	203028	EROSION CONTROL (BONDED FIBER MATRIX) (ACRE)	ACRE	6		

BID ITEM LIST
06-337414

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID FOR ITEMS: \$ _____

TOTAL BID FOR TIME: _____ X \$8,720.00 = \$ _____
WORKING DAYS BID COST PER DAY
(Not to exceed *Working_Days_Construction* Days)

TOTAL BID FOR COMPARISON (COST PLUS TIME): \$ _____