

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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Be energy efficient!*

July 20, 2012

02-Sha-299-4.3/5.5

02-2E5104

Project ID 0200000216

ACHSNH-P299(171)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN SHASTA COUNTY ABOUT 17.3 MILES WEST OF REDDING FROM 4.3 TO 5.5 MILES EAST OF TRINITY COUNTY LINE.

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 Wednesday, August 1, 2012.

This addendum is being issued to revise the Project Plans, the Notice to Bidders and Special Provisions, the Bid book, the Federal Minimum Wages with Modification Number 7 dated 7/13/2012, and the Information Handout.

Project Plan Sheet 132 is revised. A copy of the revised sheet is attached for substitution for the like-numbered sheet.

In the Special Provisions, Section 5-1.12, "SUPPLEMENTAL PROJECT INFORMATION," is revised as attached.

In the Special Provisions, Section 10-1.04, "TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)," is replaced as attached.

In the Special Provisions, Section 10-1.29, "CLEARING AND GRUBBING," the following paragraph is added after the second paragraph.

"The limits of tree removal is extended to 10 feet outside of excavation and embankment slope lines. Do not remove tree stumps outside the excavation and embankment slope lines."

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In the Bid book, in the "Bid Item List," Items 10 and 46 are revised, as attached.

To Bid book holders:

Replace pages 3 and 5 of the "Bid Item List" in the Bid book with the attached revised pages 3 and 5 of the Bid Item List. The revised Bid Item List is to be used in the bid.

Attached is a copy of the revised Information Handout.

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.

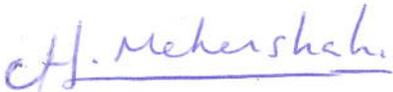
Inform subcontractors and suppliers as necessary.

This addendum, attachments and the modified wage rates are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/02/02-2E5104

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,



for REBECCA D. HARNAGEL
Chief, Office of Plans, Specifications & Estimates
Office Engineer
Division of Engineering Services

Attachments

5-1.12 SUPPLEMENTAL PROJECT INFORMATION

The Department makes the following supplemental project information available:

Supplemental Project Information

Means	Description
Included in the Information Handout	PLAC - PLAC Environmental Commitments Record (ECR) PLAC - Regional Water Quality Control Board 401 Permit PLAC- CA Department of Fish and Game 1600 Agreement PLAC - US Army Corps of Engineering 404 Permit Foundation Report and Addendum for Water Gulch Culvert and Trail Gulch Culvert Geotechnical Design Report As-built Plans for Existing Concrete Arch Culverts
Available as specified in the Standard Specifications	Cross sections Bridge as-built drawings

10-1.04 TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)

GENERAL

Summary

This work includes applying, maintaining, and removing temporary hydraulic mulch (bonded fiber matrix). Hydraulic mulch uses a mixture of fiber, tackifier, and water to stabilize active and nonactive disturbed soil areas.

The SWPPP must describe and include the use of temporary hydraulic mulch (bonded fiber matrix) as a water pollution control practice for soil stabilization.

Submittals

At least 5 business days before applying hydraulic mulch, 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 the use of temporary hydraulic mulch. 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 temporary hydraulic mulch applications including:

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

MATERIALS

Tackifier

The 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

Coloring Agent

Use a biodegradable nontoxic coloring agent free from copper, mercury, and arsenic to ensure the hydraulic mulch contrasts with the application area.

CONSTRUCTION

Application

Apply temporary hydraulic mulch when an area is ready to receive temporary erosion control under "Move-in/Move-out (Temporary Erosion Control)."

Dilute hydraulic mulch with water to spread the mulch evenly.

Use hydroseeding equipment to apply hydraulic mulch.

Apply hydraulic mulch:

1. In the proportions indicated in the table below. Successive applications or passes may be needed to achieve the required proportion rate:

Material	Application Rate lbs/acre
Bonded Fiber (includes fiber and tackifier material)	4000

2. To form a continuous mat with no gaps between the mat and the soil surface.
3. From 2 or more directions to achieve a continuous mat.
4. In layers to avoid slumping and to aid drying.
5. During dry weather or at least 24 hours before predicted rain.

Do not apply hydraulic mulch 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

Do not over-spray hydraulic mulch onto the traveled way, sidewalks, lined drainage channels, or existing vegetation.

Maintenance

Reapply hydraulic mulch within 24 hours of discovering visible erosion unless the Engineer approves a longer period.

Removal

Remove hydraulic mulch by mechanically blending it into the soil with track laying equipment, disking, or other approved method.

Temporary hydraulic mulch disturbed or displaced by your vehicles, equipment, or operations must be reapplied at your expense.

Cleanup, repair, removal, disposal, or replacement due to improper installation or your negligence are not included in the cost for performing maintenance.

MEASUREMENT AND PAYMENT

Temporary hydraulic mulch (bonded fiber matrix) is measured by the square yard from measurements along the slope of the areas covered by the hydraulic mulch.

The contract price paid per square yard for temporary hydraulic mulch (bonded fiber matrix) includes full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in applying temporary hydraulic mulch, complete in place, including removal of hydraulic mulch, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

The State and you share the cost of maintaining the temporary hydraulic mulch. The State determines the maintenance cost under Section 9-1.03, "Force Account Payment," of the Standard Specifications and pays you one-half of that cost.

BID ITEM LIST**02-2E5104**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	070012	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	LUMP SUM	LUMP SUM	
2	071325	TEMPORARY FENCE (TYPE ESA)	LF	1,950		
3	074016	CONSTRUCTION SITE MANAGEMENT	LS	LUMP SUM	LUMP SUM	
4	074019	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	LUMP SUM	LUMP SUM	
5	074028	TEMPORARY FIBER ROLL	LF	2,600		
6	074031	TEMPORARY GRAVEL BAG BERM	LF	1,500		
7	074035	TEMPORARY CHECK DAM	LF	380		
8	074037	MOVE-IN/MOVE-OUT (TEMPORARY EROSION CONTROL)	EA	12		
9	074038	TEMPORARY DRAINAGE INLET PROTECTION	EA	25		
10	074040	TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	SQYD	156,300		
11	074042	TEMPORARY CONCRETE WASHOUT (PORTABLE)	LS	LUMP SUM	LUMP SUM	
12	074056	RAIN EVENT ACTION PLAN	EA	81		
13	074057	STORM WATER ANNUAL REPORT	EA	3		
14	074058	STORM WATER SAMPLING AND ANALYSIS DAY	EA	44		
15	090100	TIME-RELATED OVERHEAD (WDAY)	WDAY	290		
16	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
17	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
18	120159	TEMPORARY TRAFFIC STRIPE (PAINT)	LF	18,500		
19	120165	CHANNELIZER (SURFACE MOUNTED)	EA	91		
20	128650	PORTABLE CHANGEABLE MESSAGE SIGN	LS	LUMP SUM	LUMP SUM	

BID ITEM LIST

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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	023057	RECONSTRUCT TURNABLE ROADSIDE SIGN	EA	6		
42	152320	RESET ROADSIDE SIGN	EA	3		
43	152430	ADJUST INLET	EA	1		
44	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	540		
45	156535	REMOVE BOX CULVERT	LF	48		
46	160102	CLEARING AND GRUBBING (LS)	LS	LUMP SUM	LUMP SUM	
47	170101	DEVELOP WATER SUPPLY	LS	LUMP SUM	LUMP SUM	
48	190101	ROADWAY EXCAVATION	CY	608,000		
49	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
50	190185	SHOULDER BACKING	TON	590		
51	193114	SAND BACKFILL	CY	14		
52	193118	CONCRETE BACKFILL	CY	30		
53	194001	DITCH EXCAVATION	CY	580		
54	023058	EARTH RETAINING STRUCTURE (GUARD RAILING)	SQFT	150		
55	203027	EROSION CONTROL (BONDED FIBER MATRIX) (SQFT)	SQFT	380,000		
56	203032	EROSION CONTROL (HYDROSEED) (ACRE)	ACRE	19		
57	260203	CLASS 2 AGGREGATE BASE (CY)	CY	8,000		
58	390131	HOT MIX ASPHALT	TON	13,000		
59	394060	DATA CORE	LS	LUMP SUM	LUMP SUM	
60	394074	PLACE HOT MIX ASPHALT DIKE (TYPE C)	LF	230		