

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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*Serious Drought.
Help save water!*

April 22, 2014

03-Nev-80-R9.0, 28.1
03-4M6104
Project ID 0312000186

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN NEVADA COUNTY NEAR TRUCKEE AT DONNER LAKE UNDERCROSSING AND AT TRUCKEE RIVER 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 Wednesday, April 30, 2014.

This addendum is being issued to revise the project plans, the *Notice to Bidders and Special Provisions*, and the *Bid book*.

Project plan sheets 11, 12, 26 and 27 are replaced and attached for substitution for the like-numbered sheets.

In the *Notice to Bidders*, the eleventh paragraph is replaced as follows:

"The estimated cost of the project is \$1,730,000."

In the *Special Provisions*, Section 1-1.01, the following items are added to the table:

Item code	Item description	Applicable section
044637	PREPARE POLYESTER CONCRETE OVERLAY SURFACE	15
044638	GRIND EXISTING APPROACH SLAB	42

In the *Special Provisions*, Section 13-12, "TEMPORARY CLEAR WATER DIVERSION SYSTEM," is added as attached.

In the *Special Provisions*, Section 15-5.01C(8), is added as follows:

"Add to section 15-5.01C:

15-5.01C(8) Prepare Polyester Concrete Overlay Surface

Prepare polyester concrete overlay surfaces before placing polyester concrete overlays.

Prepare polyester concrete overlay surfaces under section 15-5.01C(2)."

*"Provide a safe, sustainable, integrated and efficient transportation system
to enhance California's economy and livability"*

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In the Special Provisions, Section 15, the last paragraph is replaced as follows:

"Replace the 8th paragraph of section 15-5.06C(1) with:

Finishing equipment for polyester concrete must:

1. Have grade control capabilities resulting in a roadway surface that meets the smoothness requirements of section 51-1.01D(4)(b) and is capable of adjusting for a variable thickness overlay along and across the existing deck surface. The use of fixed height skid-supported strike off equipment is not allowed.
2. Be used to consolidate the polyester concrete
3. Have a 12-foot minimum paving width

Replace the 21st paragraph of section 15-5.06C(1) with:

Completed polyester-concrete deck surfaces must have a uniform surface texture with a coefficient of friction of at least 0.35 when tested under California Test 342 and a surface smoothness complying with section 51-1.01D(4)(b)."

In the Special Provisions, DIVISION V "SURFACING AND PAVEMENTS," Section 42, "GROOVE AND GRIND CONCRETE," is added as attached.

In the *Bid* book, in the "Bid Item List," Items 12, 13, 15, 16, 17, 25, 26 and 32 are replaced.

In the *Bid* book, in the "Bid Item List," Items 34, 35, 36, 37, 38 and 39 are added.

In the *Bid* book, in the "Bid Item List," Item 33 is deleted.

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To *Bid* 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 Bidders* section of the *Notice to Bidders and Special Provisions*.

Submit the *Bid* book as described in the *Electronic Bidding Guide* at the Bidders' Exchange website.

http://www.dot.ca.gov/hq/esc/oe/electronic_bidding/electronic_bidding.html

Inform subcontractors and suppliers as necessary.

This addendum, EBS addendum file and attachments are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/03/03-4M6104

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,



JODY JONES
District Director
Attachments

Replace section 13-12 with:

13-12 TEMPORARY CLEAR WATER DIVERSION SYSTEM

13-12.01 GENERAL

13-12.01A Summary

Section 13-12 includes specifications for a clear water diversion system to collect and convey stream water and other flowing water around the work area.

13-12.01B Submittal

Submit a temporary clear water diversion system plan (Diversion Plan). The Diversion Plan must include:

1. Title sheet
2. Table of contents
3. Anticipated flow rates
4. Operation and system maintenance procedures
5. Field-recorded data and visual inspection example logs
6. Working drawings of the temporary clear water diversion operations showing:
 - 6.1. Section and plan views of the diversion systems
 - 6.2. Location of sampling points for water quality measurements as required by regulatory agencies
 - 6.3. Flow path and placement of pipes, berms, hoses, pumps, and other materials and equipment used to convey water
 - 6.4. Location and construction details at point of return of stream flows to the natural channel and energy dissipater components
 - 6.5. Sampling plan per Section 600 of the Preparation Manual
7. Certificates of Compliance as specified in Section 6-3.05E, "Certificates of Compliance" of the Standard Specifications for:
 - 7.1. Gravel-filled bag fabric
 - 7.2. Impermeable plastic sheet
 - 7.3. Pump intake screen
 - 7.4. Temporary railing (Type K)
8. Dewatering waste disposal method(s)
9. Sediment and erosion control methods
10. Condition of fill rock placed within the streambed
11. Monitoring and reporting plan
12. Approval by the Department of Fish and Game

13-12.02 MATERIALS

13-12.02A Temporary Railing (Type K)

Temporary railing (Type K) must comply with section 12-3.08B(1).

13-12.02B Gravel-filled Bags

Gravel-filled bags must:

1. Be made from gravel-filled bag fabric
2. Have inside dimensions between 24 inches to 32 inches in length, and between 16 inches and 20 inches in width
3. Have the opening bound to retain the gravel. The opening must be sewn with yarn, bound with wire, or secured with a closure device
4. Weigh between 30 pounds and 50 pounds when filled with gravel

CONTRACT NO. 03-4M6104
ADDED PER ADDENDUM NO. 1 DATED APRIL 22, 2014

Gravel Filled Bag Fabric

Property	ASTM Designation	Specification
Grab breaking load 1-inch grip, lb, min. in each direction	D 4632	205
Apparent elongation percent, min., in each direction	D 4632	50
Water Flow Rate max. average roll value, gallons per minute/square foot	D 4491	80-150
Permittivity 1/sec., min.	D 4491	1.2
Apparent opening size max. average roll value, U.S. Standard sieve size	D 4751	40-80
Ultraviolet Degradation percent of original unexposed grab breaking load 500 hr, minimum	D 4595	70

Gravel for gravel-filled bags must be:

1. Rounded river rock between 3/8 inch and 3/4 inch in diameter
2. Washed and free of adhered soil material prior to arrival on the job site with a cleanliness value of 85 or higher (California Test No. 227)

The Contractor may use permeable material from on-site sources such as river run gravel to fill gravel bags if approved by the Engineer. Permeable material must:

1. Comply with Section 68-2.02F, "Permeable Material" of the Standard Specifications

13-12.02C Gravel for Channel

Gravel used in channel must be:

1. Washed and free of adhered soil material, uncrushed natural river rock with a cleanliness value of 85 or higher (California Test No. 227)
2. Graded with at least 98% passing a 3-inch screen, 60-80% passing a two (2) inch screen, and 0-5% passing a half (1/2) inch screen (% by dry wt) or approved by California Department of Fish and Game
3. Completely free of oils or any other petroleum based material, clay, debris, and other types of organic matter

You may stockpile gravel, but do not mix with earthen material.

13-12.02D Impermeable Plastic Sheet

Impermeable plastic sheet must be:

1. Single ply
2. New polyethylene sheeting with a minimum of 10 mils thick, free of defects that compromise the impermeability

13-12.02E Pipe

Pipe must:

1. Be clean, uncoated, in good condition free of rust, paint oil dirt or other residues that could potentially contribute to water pollution
2. Be adequately supported for planned loads
3. Use watertight joints
4. Be made of a material or combination of materials that are suitable for clean water and which do not contain banned, hazardous or unlawful substances

13-12.02F Pumping System

Pumping system must:

1. Be equipped with second containment
2. Be free of fuel and oil leaks
3. Meet intake screen regulatory requirements
4. Comply with section 14-6.04

13-12.03 CONSTRUCTION

Notify the Engineer at least 10 days prior to starting work on the temporary clear water diversion system.

Construct temporary clear water diversion system according to the approved Diversion Plan.

Use of the temporary clear water diversion system is restricted to the period from August 1 to October 15. If the work requires more than one restricted period, remove the temporary clear water diversion system by the conclusion of the restricted period and reposition during the following restricted period at the Contractor's expense.

Install impermeable plastic sheet with minimal seams. Where seams occur, lap and seal with commercial quality waterproof tape. Seal joints between the impermeable plastic sheet and the flexible plastic pipe with commercial quality waterproof tape.

Prevent leaks in the temporary clear water diversion system.

Repair holes, rips, and voids in the impermeable plastic sheet by taping or replacing the impermeable plastic sheet.

Repair or replace temporary clear water diversion system on the same day when damage occurs.

Remove sediment deposits and debris from temporary clear water diversion system as needed.

Re-contour streambed and bank to pre-project conditions. Backfill and repair ground disturbance, including holes and depressions, caused by the installation and removal of the temporary clear water diversion system. Use permeable materials comparable to the native material.

13-12.04 PAYMENT

Not Used

BID ITEM LIST
03-4M6104

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	070030	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
2	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
3	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
4	128652	PORTABLE CHANGEABLE MESSAGE SIGN (LS)	LS	LUMP SUM	LUMP SUM	
5	130100	JOB SITE MANAGEMENT	LS	LUMP SUM	LUMP SUM	
6	130200	PREPARE WATER POLLUTION CONTROL PROGRAM	LS	LUMP SUM	LUMP SUM	
7	130670	TEMPORARY REINFORCED SILT FENCE	LF	600		
8	130710	TEMPORARY CONSTRUCTION ENTRANCE	EA	2		
9	130900	TEMPORARY CONCRETE WASHOUT	LS	LUMP SUM	LUMP SUM	
10	027193	TEMPORARY CLEAR WATER DIVERSION	LS	LUMP SUM	LUMP SUM	
11	141000	TEMPORARY FENCE (TYPE ESA)	LF	210		
12	150312	REPAIR SPALLED SURFACE AREA	SQFT	3,470		
13	044603	REMOVE POLYESTER CONCRETE OVERLAY	SQFT	15,400		
14	153223	REMOVE UNSOUND CONCRETE	CF	185		
15	153225	PREPARE CONCRETE BRIDGE DECK SURFACE	SQFT	15,400		
16	153227	FURNISH POLYESTER CONCRETE OVERLAY	CF	4,450		
17 (F)	153228	PLACE POLYESTER CONCRETE OVERLAY	SQFT	44,500		
18	157561	BRIDGE REMOVAL (PORTION), LOCATION A	LS	LUMP SUM	LUMP SUM	
19	157562	BRIDGE REMOVAL (PORTION), LOCATION B	LS	LUMP SUM	LUMP SUM	
20	480300	TEMPORARY SUPPORT	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
21 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	CY	20		
22	511106	DRILL AND BOND DOWEL	LF	423		
23	511110	DRILL AND BOND DOWEL (CHEMICAL ADHESIVE)	EA	62		
24	511118	CLEAN EXPANSION JOINT	LF	778		
25	519078	SNOWPLOW DEFLECTOR	EA	119		
26	519081	JOINT SEAL (MR 1/2")	LF	468		
27	519088	JOINT SEAL (MR 1")	LF	312		
28 (F)	520110	BAR REINFORCING STEEL (EPOXY COATED) (BRIDGE)	LB	6,056		
29	044604	GALVANIC ANODES	EA	568		
30 (F)	750498	MISCELLANEOUS METAL (RESTRAINER - CABLE TYPE)	LB	4,972		
31	027190	4" TWO-COMPONENT PAINT TRAFFIC STRIPE (RECESSED)	LF	1,740		
32	027191	4" TWO-COMPONENT PAINT TRAFFIC STRIPE (RECESSED)(BROKEN 36-12)	LF	1,170		
33	BLANK					
34	131103	WATER QUALITY SAMPLING AND ANALYSIS DAY	EA	30		
35	131104	WATER QUALITY MONITORING REPORT	EA	4		
36	131105	WATER QUALITY ANNUAL REPORT	EA	1		
37	044637	PREPARE POLYESTER CONCRETE OVERLAY SURFACE	SQFT	29,100		
38	044638	GRIND EXISTING APPROACH SLAB	SQYD	460		
39	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID:

\$