

DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
OFFICE ENGINEER, MS 43
1727 30TH STREET
P.O. BOX 168041
SACRAMENTO, CA 95816-8041
FAX (916) 227-6214
TTY 711



*Flex your power!
Be energy efficient!*

May 1, 2009

03-ED-89-0.0/8.6
03-1A8414
SARRA-P089(094)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN EL DORADO COUNTY NEAR MEYERS FROM THE ALPINE COUNTY LINE TO ROUTE 50/89 SEPARATION.

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 Friday, May 15, 2009.

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

Project Plan Sheets 11, 16, 17, 18, 19, 44, 45, 47, 83, 91, 95, 100, 102, 121, 123, 127, 129, 130, 131, 132, 134, 135, 136, 137, 138, 139, 140, 144, 145, 146, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 159, 178, 179, 180, 181, 182, 183, 184, 187, 188, 193, 194, 210, 211, 213, 215, 216, 257, 258, 326, and 330 are revised. Half-sized copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 181A and 182A are added. Half-sized copies of the added sheets are attached for addition to the project plans.

In the Special Provisions, Section 3-1.02, "DATA UNIVERSAL NUMBERING SYSTEM (D-U-N-S) NUMBER," and Section 3-1.03, "CONTRACT EXECUTION," are added as follows:

"3-1.02 DATA UNIVERSAL NUMBERING SYSTEM (D-U-N-S) NUMBER

For the purpose of complying with the American Recovery and Reinvestment Act of 2009, the successful bidder must provide the Department a D-U-N-S number.

Complete and sign the Data Universal Numbering System (D-U-N-S) Number form included in the contract documents. This form must be submitted with the executed contract.

If your company does not have a D-U-N-S number, you can obtain one by contacting Dun & Bradstreet at:

<http://dnb.com/us/>

If you fail to submit this information with the executed contract, the Department will not approve the contract.

3-1.03 CONTRACT EXECUTION

Comply with section titled Data Universal Numbering System (D-U-N-S) Number of these special provisions and Section 3-1.09, "Contract Execution," of the Standard Specifications, except the contract documents must be received by the Office Engineer before the 5th business day after the bidder receives the contract."

Addendum No. 1
Page 2
May 1, 2009

03-ED-89-0.0/8.6
03-1A8414
SARRA-P089(094)E

In the Special Provisions, Section 10-1.43, "HOT MIX ASPHALT," subsection "GENERAL," under "Summary," the first sentence is revised as follows:

"This work includes producing and placing hot mix asphalt (HMA) Type A using the Method process for miscellaneous areas, replace asphalt concrete surfacing, and other areas inaccessible to spreading equipment and the Quality Control/Quality Assurance process for all other areas."

In the Special Provisions, Section 10-1.49, "CONCRETE STRUCTURES," subsection, "SAND VAULT (IN LINE)," is revised as attached.

In the Bid book, in the "Bid Item List," Items 35, 48, 49, 64, 68, 74, 80, and 92 are revised, Items 108, and 109 are added and Item 107 is deleted as attached.

To Bid book holders:

Replace pages 4, 5, 6, 7, and 8 of the "Bid Item List" in the Bid book with the attached revised pages 4, 5, 6, 7, and 8 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.

This office is sending this addendum by GSO overnight mail to Bid book holders to ensure that each receives it. A copy of this addendum and the modified wage rates are available for the Contractors' use on the Web site:

http://www.dot.ca.gov/hq/esc/oe/weekly_ads/addenda.php

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,

ORIGINAL SIGNED BY

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

Attachments

SAND VAULT (IN LINE)

This work shall consist of furnishing, installing, and constructing sand vaults (in line) in conformance with the details shown on the plans, the provisions in Sections 19, "Earthwork," 26, "Aggregate Bases," 51, "Concrete Structures," 52, "Reinforcement," 55-3.16, "Assembly," and 75-1.03, "Miscellaneous Bridge Metal," of the Standard Specifications and these special provisions.

Welding of stainless steel shall conform to the requirements of AWS D1.6. Electrodes for welding stainless steel shall be Type E308L or ER308L filler metal for welds. After completion of the weld operation, stainless steel shall be smooth and free from waves.

Weld preparation and cleaning shall be performed with stainless steel brushes and non-ferrous abrasives. Equipment used in the fabrication of carbon steel shall not be used.

Aluminum shall be welded in accordance with the applicable requirements of the latest edition of the Uniform Building Code and to the detail requirements of "Welding Aluminum," by the American Welding Society and the Aluminum Association. All persons performing welding shall have a minimum five years similar welding experience.

Attention is directed to "Precast Concrete Quality Control" of these special provisions.

"Precast Concrete Qualification Audit" of "Precast Concrete Quality Control" of these special provisions shall not apply to this item of work.

The bottom portion of sand vaults (in line) may be constructed as either cast-in-place units or precast units.

Working drawings for precast units, well screens, and gross solids removal devices (GSRD) screens shall be submitted to the Engineer for approval in conformance with the provisions in Section 5-1.02, "Plans and Working Drawings," of the Standard Specifications.

Working drawings for precast units shall show the construction method, precast unit dimensions, configuration of the reinforcement (including splice type and location), openings, inserts, and connections between precast segments.

Working drawings for well screens shall include wire and rod dimensions, pipe lengths, support heights and dimensions, anchorage layouts, pattern for anchor bolts, and bolted connections.

The Engineer will have 15 working days to review the working drawings after a complete submittal has been received. No fabrication or installation of the precast units or screens shall be performed until the working drawings are approved in writing by the Engineer.

Should the Engineer fail to complete the review within the time allowance and if, in the opinion of the Engineer, the Contractor's controlling operation is delayed or interfered with by reason of the delay in reviewing the working drawings, the delay will be considered a right of way delay in conformance with the provisions in Section 8-1.09, "Right of Way Delays," of the Standard Specifications.

Concrete for precast units shall be sampled and tested by the precast manufacturer for compressive strength at least once every production shift and not less often than once daily. Test result records shall be available to the Engineer at all times during regular work shifts.

Shotcrete shall not be used as an alternative construction method for reinforced concrete members unless otherwise specified.

Concrete used in sand vaults (in line) shall contain not less than 675 pounds of cementitious material per cubic yard, and shall be designated by a 28 day compressive strength of 4,000 psi or greater conforming to the provisions in Section 90-1.01, "Description," and Section 90-9, "Compressive Strength," of the Standard Specifications. An air-entraining admixture conforming to the provisions in Section 90-4, "Admixtures," of the Standard Specifications shall be added to the concrete at the rate required to result in an air content of 6 ± 1.5 percent in the freshly mixed concrete.

Sand vaults (in line) shall have a class 1 surface finish in conformance with Section 51-1.18B, "Class 1 Surface Finish," of the Standard Specifications.

Access hatches shall be factory fabricated, spring assist hatches that provide smooth, controlled operation of the lid while opening and closing the hatch. Hatches shall have a hold open arm and hold down latch that can be operated from below when hatch is closed. Access hatches shall be either Type 1 or Type 2 as shown on the plans and one of the types listed, or equal, as approved by the Engineer:

Type 1:

1. The BILCO Company. Type HLC
2. U.S.F. Fabrication, Inc. Model DT-AHS or ALH
3. Neenah Foundry Company. Series R-3498, R-6662, or R-6663
4. East Jordan Iron Works, Inc. Series 8090

Type 2:

1. The BILCO Company. Type JAL-H20
2. U.S.F. Fabrication, Inc. Model AHS
3. East Jordan Iron Works, Inc. Series AHS

Hatch drains, if present, shall be placed at the lowest corner of the hatch and drain to the inlet chamber. Exposed fasteners shall be tamper proof. Type 1 hatches shall be recessed 0.25 inch below the vault top.

Access hatches shall be installed in accordance with the manufacturer's instructions.

All areas of access hatches that will be visible when closed shall be treated to provide a low sheen appearance. Galvanized steel hatches shall be acid-etched prior to delivery to the job site in conformance with the provisions for galvanized steel rails in "Metal Beam Guard Railing" of these special provisions.

Debris floats shall be 2 pound density polyurethane foam. Check valves shall be 2 inch minimum diameter flap, swing, "duckbill" or similar. Minimum cracking pressure shall not exceed 0.5 psi. Valves shall be capable of functioning with soiled water and manufactured with components that resist corrosion from water high in sodium chloride.

The well screen and all appurtenances shall be new and shall be manufactured of Type 304 stainless steel. The well screen shall be manufactured of wedge wire spirally wrapped over a minimum of 15 stainless steel rods, providing a continuous-slot opening of 0.05-inch and a minimum outside diameter of 2.2 inches. The wire configuration shall produce inlet slots widening inwardly. The minimum wire dimensions shall be 0.08 inch in height and 0.05 inch in width. Minimum rod diameter shall be 0.09 inch.

The GSRD screens and all appurtenances shall be new and shall be manufactured of Type 304 stainless steel. Louvered slots shall be 4.0 inches wide with an opening of 0.25 inch and spaced as shown on the plans.

All intake openings for well screens and GSRD screens shall be free from jagged edges, irregularities, or other defects. Stainless steel pipes, plates, attaching lips, and bars shall conform to the requirements of ASTM Designation: A 240/A 240M, Type 304, with a #2B finish. Fasteners, resin capsules, mechanical expansion anchor bolts, and cast-in-place anchor bolts shall be Type 304 stainless steel, conforming to the requirements in Section 75, "Miscellaneous Metal," of the Standard Specifications and these special provisions.

Finished screens shall be descaled by immersion in a nitric/hydrofluoric acid bath, rinsed, and air dried to achieve passivation.

Installation of screens, supports, and other ancillary features shall be in conformance with the provisions in Sections 55-3.16, "Assembly," and 75-1.03, "Miscellaneous Bridge Metal," of the Standard Specifications.

Permeable material within the limits of the sand vaults (in line) shall be Class 1, conforming to the provisions in Section 68-1.025, "Permeable Material," of the Standard Specifications.

Rock slope protection fabric used for weep holes of sand vaults (in line) shall be type B non-woven, conforming to Section 88-1.04, "Engineering Fabrics," of the Standard Specifications.

**BID ITEM LIST
03-1A8414**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	128650	PORTABLE CHANGEABLE MESSAGE SIGN	LS	LUMP SUM	LUMP SUM	
22	129000	TEMPORARY RAILING (TYPE K)	LF	560		
23	129100	TEMPORARY CRASH CUSHION MODULE	EA	22		
24	150662	REMOVE METAL BEAM GUARD RAILING	LF	130		
25	150668	REMOVE FLARED END SECTION	EA	1		
26	150742	REMOVE ROADSIDE SIGN	EA	40		
27	150771	REMOVE ASPHALT CONCRETE DIKE	LF	15,000		
28	150805	REMOVE CULVERT	LF	2,790		
29	015873	REMOVE FLUME	EA	4		
30	150820	REMOVE INLET	EA	11		
31	150821	REMOVE HEADWALL	EA	46		
32	015874	ADJUST SEWER MANHOLE TO GRADE	EA	22		
33	015875	ADJUST VENT	EA	12		
34	015876	ADJUST CLEANOUT TO GRADE	EA	15		
35	152430	ADJUST INLET	EA	11		
36	015877	ADJUST STORM DRAIN MANHOLE TO GRADE	EA	1		
37	015878	ADJUST UTILITY APPURTENANCE TO GRADE	EA	16		
38	152453	ADJUST VALVE BOX	EA	3		
39	869042	ADJUST PULL BOX	EA	3		
40	015879	ADJUST UTILITY VAULT COVER TO GRADE	EA	13		

BID ITEM LIST
03-1A8414

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	015880	16" PLASTIC PIPELINER	LF	120		
42	015881	22" PLASTIC PIPELINER	LF	67		
43	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	1,660		
44	160101	CLEARING AND GRUBBING	LS	LUMP SUM	LUMP SUM	
45	170101	DEVELOP WATER SUPPLY	LS	LUMP SUM	LUMP SUM	
46	190101	ROADWAY EXCAVATION	CY	19,300		
47	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
48	192020	STRUCTURE EXCAVATION (TYPE D)	CY	170		
49	015882	STRUCTURE BACKFILL (SAND VAULT)	CY	37		
50	193118	CONCRETE BACKFILL	CY	120		
51	197003	CONTOUR GRADING	SQYD	2,770		
52	198007	IMPORTED MATERIAL (SHOULDER BACKING)	TON	6,030		
53	203016	EROSION CONTROL (TYPE D)	SQYD	103,000		
54	203018	EROSION CONTROL (NETTING)	SQYD	6,220		
55	203025	COMPOST, INCORPORATE	SQYD	24,900		
56	203026	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	12		
57	015883	BOULDER PLACEMENT	EA	83		
58	015884	ROCK COLORATION	LS	LUMP SUM	LUMP SUM	
59	260201	CLASS 2 AGGREGATE BASE	CY	14,200		
60	374206	SEAL RANDOM CRACKS	LNMI	4.7		

BID ITEM LIST
03-1A8414

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	390095	REPLACE ASPHALT CONCRETE SURFACING	CY	310		
62	390131	HOT MIX ASPHALT	TON	33,200		
63	397001	ASPHALTIC EMULSION (PAINT BINDER)	TON	63		
64	015885	STRUCTURAL CONCRETE, SAND COLLECTION VAULT	CY	26		
65 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	CY	704		
66	015886	FURNISH PRECAST CONCRETE SAND VAULT	EA	5		
67	015887	INSTALL PRECAST CONCRETE SAND VAULT	EA	5		
68 (F)	520106	BAR REINFORCING STEEL (EPOXY COATED)	LB	5,862		
69	560248	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	SQFT	250		
70	560249	FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED)	SQFT	32		
71	566011	ROADSIDE SIGN - ONE POST	EA	35		
72	620100	18" ALTERNATIVE PIPE CULVERT	LF	3,500		
73	620140	24" ALTERNATIVE PIPE CULVERT	LF	540		
74	620180	30" ALTERNATIVE PIPE CULVERT	LF	24		
75	620260	42" ALTERNATIVE PIPE CULVERT	LF	80		
76	620300	48" ALTERNATIVE PIPE CULVERT	LF	46		
77	015888	42" X 30" ALTERNATIVE PIPE ARCH CULVERT	LF	64		
78	682001	PERMEABLE MATERIAL	CY	220		
79	700641	36" CORRUGATED STEEL PIPE INLET (.168" THICK)	LF	200		
80	705311	18" ALTERNATIVE FLARED END SECTION	EA	76		

BID ITEM LIST
03-1A8414

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81	705315	24" ALTERNATIVE FLARED END SECTION	EA	5		
82	707117	36" PRECAST CONCRETE PIPE INLET	LF	320		
83	707125	48" PRECAST CONCRETE PIPE INLET	LF	7		
84	015889	54" PRECAST CONCRETE PIPE INLET	LF	14		
85	721008	ROCK SLOPE PROTECTION (LIGHT, METHOD B)	CY	1,540		
86	721009	ROCK SLOPE PROTECTION (FACING, METHOD B)	CY	7		
87	721010	ROCK SLOPE PROTECTION (BACKING NO. 1, METHOD B)	CY	1,350		
88	721400	CONCRETE (SLOPE PROTECTION)	CY	6		
89	729010	ROCK SLOPE PROTECTION FABRIC	SQYD	2,230		
90	731504	MINOR CONCRETE (CURB AND GUTTER)	CY	2,080		
91 (F)	750001	MISCELLANEOUS IRON AND STEEL	LB	62,509		
92 (F)	750501	MISCELLANEOUS METAL (BRIDGE)	LB	15,158		
93	820108	DELINEATOR (CLASS 2)	EA	390		
94	015890	HIGHWAY POST MARKER	EA	21		
95	820112	MARKER (CULVERT)	EA	260		
96	832002	METAL BEAM GUARD RAILING (STEEL POST)	LF	120		
97	015891	VEHICLE BARRIER	LF	580		
98	839565	TERMINAL SYSTEM (TYPE SRT)	EA	6		
99	840545	4" THERMOPLASTIC TRAFFIC STRIPE (RECESSED, BROKEN 36-12)	LF	18,500		
100	015892	8" THERMOPLASTIC TRAFFIC STRIPE (RECESSED)	LF	790		

BID ITEM LIST
03-1A8414

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101	840581	4" THERMOPLASTIC TRAFFIC STRIPE (RECESSED)	LF	36,700		
102	840582	4" TWO-COMPONENT PAINT TRAFFIC STRIPE	LF	86,900		
103	015893	4" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 12-3)	LF	3,670		
104	840661	TWO-COMPONENT PAINT PAVEMENT MARKING	SQFT	1,250		
105	860090	MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS	LUMP SUM	LUMP SUM	
106	860890	MODIFY TRAFFIC MONITORING STATION (COUNT)	LS	LUMP SUM	LUMP SUM	
107	BLANK					
108	150820	REMOVE INLET	EA	4		
109	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID: _____