

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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Be energy efficient!*

November 8, 2012

03-Nev-20-R4.1/R17.4

03-2F35U4

Project ID 0312000218

ACNH-P020(167)

Addendum No. 3

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN NEVADA COUNTY AT VARIOUS LOCATIONS FROM 0.6 MILE EAST OF OAK CANYON DRIVE TO THE NORTH JUNCTION OF STATE ROUTE 49.

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, November 14, 2012.

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

Project Plan Sheets 68 and 69 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 85A and 85B are added. Copies of the added sheets are attached for addition to the project plans.

In the Special Provisions, Section 10-1.34, "REPLACE ASPHALT CONCRETE SURFACING," subsection "CONSTRUCTION," the third paragraph is revised as follows:

"Before removing asphalt concrete, outline the replacement area and cut neat lines with a saw or grind existing asphalt concrete to the depth shown on the plans. Do not damage asphalt concrete and base remaining in place."

In the Special Provisions, Section 10-1.39, "MISCELLANEOUS CONCRETE CONSTRUCTION," subsection "MINOR CONCRETE (PATTERED)," is corrected to read as follows:

"MINOR CONCRETE (PATTERNED)"

Addendum No. 3
Page 2
November 8, 2012

03-Nev-20-R4.1/R17.4
03-2F35U4
Project ID 0312000218
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In the Special Provisions, Section 10-1.39, "MISCELLANEOUS CONCRETE CONSTRUCTION," subsection "PAYMENT," the first paragraph is revised as follows:

"The contract price paid per square yard for minor concrete (patterned) shall include full compensation for furnishing all labor, materials (including reinforcement, where required, and aggregate base), tools, equipment, and incidentals, and for doing all the work involved in constructing minor concrete (patterned), complete in place (including site preparation clearing, saw cutting and site preparation earthwork), as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer."

In the Special Provisions, Section 10-3.085, "BATTERY BACKUP SYSTEM," is added as attached.

In the Bid book, in the "Bid Item List," Items 52 is revised, and Item 10 is deleted 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.

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 and attachments are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/03/03-2F35U4

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

10-3.085 BATTERY BACKUP SYSTEM

GENERAL

Summary

This work includes installing battery backup system (BBS). Comply with Section 86, "Electrical Systems," of the Standard Specifications and TEES.

The State will furnish BBS components as listed in "Materials" of these special provisions.

You must furnish the external cabinet and batteries.

Submittals

Before shipping external cabinets to the jobsite, submit material list including contract number, cabinet serial numbers, and contact information to the Transportation Laboratory.

Submit a Certificate of Compliance for each external cabinet and batteries to the Engineer under Section 6-1.07, "Certificates of Compliance," of the Standard Specifications.

Quality Control and Assurance

The State may test the cabinets.

Functional Testing

After complete installation, BBS functional test must be performed. Test for 30 minutes of continuous, satisfactory operation with utility power turned off. Perform test in the presence of the Engineer.

Warranty

Batteries must be warranted by the manufacturer to operate within a temperature range of -25 to +60 °C for 2 years.

Batteries must have a written warranty against defects in materials and workmanship from the manufacturer prorated for a period of 60 months after installation. You must provide the Engineer with all warranty documentation before installation. Replacement batteries must be available within 5 business days after receipt of failed batteries at no cost to the State except the cost of shipping the failed batteries. Replacement batteries must be delivered to Caltrans Maintenance Electrical Shop at 1050 Grass Valley Hwy, Auburn, CA 95603.

MATERIALS

Batteries must:

1. Be deep cycle, sealed prismatic, lead-calcium-based, absorbed-glass mat and valve-regulated lead acid (AGM/VRLA) type
2. Have voltage rating of 12 V
3. Be group size 24
4. Be commercially available and stocked locally
5. Have a carrying handle
6. Be marked with date code, maximum recharge data, and recharge cycles
7. Have 2 top-mounted, threaded, stud posts that include all washers and nuts required for attaching 3/8-inch ring lugs of a State-furnished BBS battery harness
8. Include rubber insulating protective covers for protecting the lugs, posts, and wiring - red for positive terminal and black for negative terminal
9. Be new and fully-charged when furnished
10. Be free from damage or deformities

External cabinet must be one listed on the Pre-Qualified Products List at:

http://www.dot.ca.gov/hq/esc/approved_products_list/

External cabinet must be capable of housing:

1. 4 batteries
2. Inverter/charger unit
3. Power transfer relay
4. Manually-operated bypass switch
5. Required control panels
6. Wiring and harnesses

Dimensions and details for the external cabinet, for attaching the external cabinet to the Model 332L cabinet, and for wiring the State-furnished equipment will be as shown on the plans.

The following details must comply with Section 86-3.04, "Controller Cabinets," of the Standard Specifications and TEES:

1. Door construction, including material, thickness, coating, and welds
2. Frame
3. Door seals
4. Continuous stainless steel piano hinge or 4 leaves with 2 bolts on each side of each leaf, used to connect the door to external cabinet
5. Padlock clasp or latch and lock mechanism

The external cabinet must be ventilated by using louvered vents, filter, and a thermostatically controlled fan. Fan must be AC-operated from the same line output as the Model 332L cabinet. A 2-position terminal block must be provided on the fan panel, along with 10 feet of connected hookup wire.

The external cabinet surface must be anodized aluminum. Anti-graffiti paint must not be used.

The external cabinet must include all bolts, washers, nuts, and cabinet-to-cabinet coupler fittings necessary for mounting it to the Model 332L cabinet.

Fasteners for the external cabinet must include:

1. 8 cabinet mounting bolts that are 18-8 stainless steel hex head, fully-threaded, and 3/8" – 16 x 1"
2. 2 washers per bolt designed for 3/8-inch bolt and are 18-8 stainless steel 1-inch OD round flat type
3. K-lock nut per bolt: K-lock washer that is 18-8 stainless steel and hex-nut

External cabinet to Model 332L cabinet couplings must include a conduit for power connections between the 2 cabinets. Couplings must include:

1. 2-inch nylon-insulated steel chase nipple, T & B 1947 or equivalent
2. 2-inch sealing, steel locknut, T & B 146SL or equivalent
3. 2-inch nylon-insulated steel bushing, T & B 1227 or equivalent

CONSTRUCTION

Mount external cabinet to either the left or right side of Model 332L cabinet. The typical side-mounting location of external cabinet is flush with the bottom of the Model 332L cabinet and approximately equidistant from the front and rear door edges.

PAYMENT

Full compensation for assembling and installing battery backup system is included in the contract lump sum price paid for modify signal and lighting, and no separate payment will be made therefor.

BID ITEM LIST
03-2F35U4

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	074016	CONSTRUCTION SITE MANAGEMENT	LS	LUMP SUM	LUMP SUM	
2	074017	PREPARE WATER POLLUTION CONTROL PROGRAM	LS	LUMP SUM	LUMP SUM	
3	074038	TEMPORARY DRAINAGE INLET PROTECTION	EA	7		
4	074042	TEMPORARY CONCRETE WASHOUT (PORTABLE)	LS	LUMP SUM	LUMP SUM	
5	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
6	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
7	128652	PORTABLE CHANGEABLE MESSAGE SIGN (LS)	LS	LUMP SUM	LUMP SUM	
8	150742	REMOVE ROADSIDE SIGN	EA	35		
9	150771	REMOVE ASPHALT CONCRETE DIKE	LF	11,700		
10	BLANK					
11	024822	RELAY FLUME DOWNDRAIN	EA	2		
12	150857	REMOVE ASPHALT CONCRETE SURFACING	SQYD	12,500		
13	150859	REMOVE ASPHALT CONCRETE OVERSIDE DRAIN	EA	35		
14	024823	REMODEL INLET	EA	3		
15	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	372,000		
16	153215	REMOVE CONCRETE (CURB AND GUTTER)	LF	2,170		
17	153240	REMOVE CONCRETE (CURB, GUTTER AND SIDEWALK) (CY)	CY	27		
18	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
19	190113	ASBESTOS COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
20	190116	DUST CONTROL PLAN (NATURALLY OCCURRING ASBESTOS)	LS	LUMP SUM	LUMP SUM	

BID ITEM LIST**03-2F35U4**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	560248	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	SQFT	72		
42	560249	FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED)	SQFT	530		
43	566011	ROADSIDE SIGN - ONE POST	EA	35		
44	680902	6" PERFORATED PLASTIC PIPE UNDERDRAIN	LF	60		
45	721026	ROCK SLOPE PROTECTION (NO. 1, METHOD B) (CY)	CY	6		
46	729011	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	150		
47	731627	MINOR CONCRETE (CURB, SIDEWALK AND CURB RAMP)	CY	34		
48	024825	MINOR CONCRETE (PATTERNED)	SQYD	6,780		
49	731656	CURB RAMP DETECTABLE WARNING SURFACE	SQFT	17		
50	820108	DELINEATOR (CLASS 2)	EA	220		
51	820143	OBJECT MARKER (TYPE K-2)	EA	2		
52	840502	THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)	LF	280,000		
53	840516	THERMOPLASTIC PAVEMENT MARKING (ENHANCED WET NIGHT VISIBILITY)	SQFT	7,000		
54	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	350		
55	850122	PAVEMENT MARKER (RETROREFLECTIVE-RECESSED)	EA	5,260		
56	860090	MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS	LUMP SUM	LUMP SUM	
57	860809	DETECTOR LOOP (LS)	LS	LUMP SUM	LUMP SUM	
58	860890	MODIFY TRAFFIC MONITORING STATION (COUNT)	LS	LUMP SUM	LUMP SUM	
59	861501	MODIFY SIGNAL AND LIGHTING	LS	LUMP SUM	LUMP SUM	
60	024826	REPLACE PULL BOX	LS	LUMP SUM	LUMP SUM	