

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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*Flex your power!
Be energy efficient!*

November 16, 2012

04-Sol-80-0.9/45.0

04-4A2504

Project ID 0400001121

ACIMG-080-2(363)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN SOLANO COUNTY FROM 0.2 MILE SOUTH OF ROUTE 80/29 SEPARATION TO 1.1 MILE NORTH OF SOUTH DAVIS OVERHEAD.

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, November 27, 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 1, 2, 26, 27, 31, 33, 34, 35, and 36 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 21A, 30A, and 36A are added. Copies of the added sheets are attached for addition to the project plans.

In the Notice to Bidders, the twelfth and thirteenth paragraphs are revised as follows:

"Do not bid more than 130 working days."

"The estimated cost of the project is \$3,390,000."

In the Special Provisions, Section 1, "GENERAL," is revised as attached.

In the Special Provisions, Section 12-4.05D, "Complete Connector Closure Hours and Connector Lane Requirements," Lane Closure Chart no. 24 as attached.

In the Special Provisions, Section 12-4.05E, "Complete Ramp Closure Hours and Ramp Lane Requirements," Lane Closure Chart no. 25 as attached.

04-Sol-80-0.9/45.0
04-4A2504
Project ID 0400001121
ACIMG-080-2(363)E

In the Special Provisions, Section 15-2.03A(2)(b), "Department Salvage Location," is revised as follows:

"Replace section 15-2.03A(2)(b) with:

15-2.03A(2)(b) Department Salvage Location

A minimum of 2 business days before hauling salvaged material to the Department salvage storage location, notify:

1. Engineer
2. Regional Recycle coordinator at telephone number (707) 428-2031
The Department salvage storage location is:

Regional Recycle Center
2019 West Texas Street, Fairfield, CA 94533

3. District Recycle coordinator at telephone number (415) 330-6500
For electrical equipment, the Department salvage storage location is:

Caltrans Maintenance Station
30 Rickard Street, San Francisco, CA 94134"

In the Special Provisions, Section 86, "ELECTRICAL SYSTEMS," is revised as attached.

In the Bid book, in the "Bid Item List," Items 3, 4, 6, 12, 13, 14, 17, 18, 20, 21, 22, 23, 24, 25, 26, 28, 29, 30, are revised, Items 37 and 38 are added and Item 36 is deleted as attached.

To Bid book holders:

Replace pages 3, 4, and 5 of the "Bid Item List" in the Bid book with the attached revised pages 3, 4, 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.

Addendum No. 1
Page 3
November 16, 2012

04-Sol-80-0.9/45.0
04-4A2504
Project ID 0400001121
ACIMG-080-2(363)E

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/04/04-4A2504

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,



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

Attachments

DIVISION I GENERAL PROVISIONS

1 GENERAL

Add to section 1-1.01:

Bid Items and Applicable Sections

Item code	Item description	Applicable section
074017	PREPARE WATER POLLUTION CONTROL PROGRAM	13
074028	TEMPORARY FIBER ROLL	13
074034	TEMPORARY COVER	13
074038	TEMPORARY DRAINAGE INLET PROTECTION	13
190110	LEAD COMPLIANCE PLAN	7
203006	EROSION CONTROL (DRY SEED) (SQFT)	21
203021	FIBER ROLLS	21
203026	MOVE-IN/MOVE-OUT (EROSION CONTROL)	21
203034	ROLLED EROSION CONTROL PRODUCT (NETTING)	21
043904	CONCRETE BARRIER (TRANSITION ANCHOR BLOCK)	83

Replace "Reserved" in section 12-4.05D with:

Chart no. 24 Complete Connector Closure Hours/																													
County: Solano					Route/Direction:780/Westbound										PM: 7.44 (Rte. I-80:PM2.327)														
Closure limits: Connector Off-Ramp to EB Rte. I-80																													
From hour to hour	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24				
Mondays through Thursdays	C	C	C	C	C																				C	C			
Fridays	C	C	C	C	C																					C	C		
Saturdays	C	C	C	C	C	C	C																				C		
Sundays	C	C	C	C	C	C	C	C																			C	C	C

Legend:

Connector may be closed completely

Work allowed within the highway where shoulder or lane closure is not required

REMARKS:

1. Detour traffic as per Detour Plan No. 5.
2. Simultaneous closure with Chart No. 25 (WB Rte. I-80 Off-Ramp to Benicia Rd.) is not allowed.

Replace "Reserved" in section 12-4.05E with:

Chart no. 25 Complete Ramp Closure Hours/																										
County: Solano					Route/Direction:80/Eastbound										PM: 2.32											
Closure limits: Off-Ramp to Benicia Rd.																										
From hour to hour	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
Mondays through Thursdays	C	C	C	C	C	C					C	C	C	C	C						C	C	C	C	C	
Fridays	C	C	C	C	C	C					C	C	C	C	C						C	C	C	C	C	
Saturdays	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C
Sundays	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C

Legend:

Ramp may be closed completely

Work allowed within the highway where shoulder or lane closure is not required

REMARKS:

1. Detour traffic to next off-ramp.
2. Simultaneous closure with Chart No. 24 (WB Rte. I-780 Connector Off-Ramp to EB Rte. I-80) is not allowed.

The Contractor must demonstrate that repaired or replaced elements operate in a manner equal to or better than the replaced equipment. If the Contractor fails to perform required repairs or replacement work, the Department may perform the repair or replacement work and the cost will be deducted from monies due to the Contractor.

A TMS element must be considered nonoperational or off line for the duration of time that active communications with the TMC is disrupted, resulting in messages and commands not transmitted from or to the TMS element.

The Contractor must provide provisions for replacing existing TMS elements within the project limits, including detection systems, that were not identified on the plans or during the pre-construction operational status check that became damaged due to the Contractor's activities.

If the pre-construction operational status check identified existing TMS elements, then the Contractor, the Engineer, and the Department's Traffic Operations Electrical representatives must jointly conduct a post construction operational status check of all existing TMS elements and each element's communication status with the TMC. The Department's Traffic Operations Electrical representatives will certify the TMS elements' status and provide a copy of the certified list of the existing TMS elements within the project limits to the Contractor. The status list will include the operational, defined as having full functionality, and the nonoperational components. TMS elements that cease to be functional between pre and post construction status checks must be repaired at the Contractor's expense.

The Engineer will authorize the schedule for final replacement, the replacement methods and the replacement elements, including element types and installation methods before repair or replacement work is performed. The final TMS elements must be new and of equal or better quality than the existing TMS elements.

If no electrical work exists on the project and no TMS elements are identified within the project limits, the pre-construction operational status check is change order work.

Furnishing and installing temporary or portable TMS elements that are not shown, but are required when an existing TMS element becomes nonoperational or off line due to construction activities, is change order work.

Furnishing and installing temporary or portable TMS elements and replacing TMS elements that are not shown nor identified during the pre-construction operational status check and were damaged by construction activities is change order work.

If the Contractor is required to submit provisions for the replacement of TMS elements that were not identified, submitting the provisions is change order work.

Add to section 86-2.05A:

Conduit installed underground must be Type 1 or Type 3.

Add to section 86-2.05B:

The conduit in a foundation and between a foundation and the nearest pull box must be Type 1.

After conductors have been installed, the ends of the conduits terminating in pull boxes must be sealed with an authorized type of sealing compound.

Delete items 2-5 in the list in the 2nd paragraph of section 86-2.06A(2).

Add to section 86-2.06A(2):

Do not place grout in the bottom of the pull box.

Replace "Reserved" in section 86-2.06B of the RSS for section 86-2.06 with:

86-2.06B(1) General

86-2.06B(1)(a) Summary

This work includes installing non-traffic-rated pull boxes.

86-2.06B(1)(b) Submittals

Before shipping pull boxes to the jobsite, submit a list of materials, Contract number, pull box manufacturer, manufacturer's instructions for pull box installation, and your contact information to METS.

Submit reports for pull box from an NRTL-accredited lab.

86-2.06B(1)(c) Quality Control and Assurance

86-2.06B(1)(c)(i) General

Pull boxes may be tested by the Department. Deliver pull boxes and covers to METS and allow 30 days for testing. When testing is complete, you will be notified. You must pick up the boxes and covers from the test site and deliver it to the job site.

Any failure of the pull box or the cover that renders the unit noncompliant with these specifications will be a cause for rejection. If the unit is rejected, you must allow 30 days for retesting. Retesting period starts when the replacement pull box is delivered to the test site. You must pay for all retesting costs. Delays resulting from the submittal of noncompliant materials does not relieve you from executing the Contract within the allotted time.

If the pull box submitted for testing does not comply with the specifications, remove the unit from the test site within 5 business days after notification that it is rejected. If the unit is not removed within that period, it may be shipped to you at your expense.

You must pay for all shipping, handling, and transportation costs related to the testing and retesting.

86-2.06B(1)(c)(ii) Functional Testing

The pull box and cover must be tested under ANSI/SCTE 77, "Specifications for Underground Enclosure Integrity."

86-2.06B(1)(c)(iii) Warranty

Provide a 2-year manufacturer replacement warranty for pull box and cover from the date of installation of the pull box and cover. All warranty documentation must be submitted before installation.

Replacement parts must be provided within 5 business days after receipt of failed pull box, cover, or both at no cost to the Department and must be delivered to the Department's Maintenance Electrical Shop at 30 Rickard Street, San Francisco, CA 94134.

86-2.06B(2) Materials

The pull box and cover must comply with ANSI/SCTE 77, "Specifications for Underground Enclosure Integrity," for Tier 22 load rating and must be gray or brown in color.

Each pull box cover must have an electronic marker cast inside.

Extension for the pull box must be of the same material as the pull box and attached to the pull box to maintain the minimum combined depths as shown.

Include recesses for a hanger if a transformer or other device must be placed in a pull box.

The bolts, nuts, and washers must be a captive bolt design.

The captive bolt design must be capable of withstanding a torque range of 55 to 60 ft-lb and a minimum pull out strength of 750 lb. Perform the test with the cover in place and the bolts torqued. The pull box and cover must not be damaged while performing the test to the minimum pull out strength.

Stainless steel hardware must have an 18 percent chromium content and an 8 percent nickel content.

Galvanize ferrous metal parts under section 75-1-.05.

Manufacturer's instructions must provide guidance on:

1. Quantity and size of entries that can be made without degrading the strength of the pull box below Tier 22 load rating
2. Where side entries cannot be made
3. Acceptable method to be used to create the entry

Tier 22 load rating must be labeled or stenciled by the manufacturer on the inside and outside of the pull box and on the underside of the cover.

86-2.06B(3) Construction

Do not install pull box in curb ramps or driveways.

A pull box for a post or a pole standard must be located within 5 feet of the standard. Place a pull box adjacent to the back of the curb or edge of the shoulder. If this is impractical, place the pull box in a suitable, protected, and accessible location.

Add to section 86-2.08A:

Wrap conductors around the projecting end of conduit in pull boxes as shown. Secure conductors and cables to the projecting end of the conduit in pull boxes.

Replace section 86-2.18 with:

86-2.18 NUMBERING ELECTRICAL EQUIPMENT

The placement of numbers on electrical equipment will be done by others.

Add to section 86-6.01:

Ballasts must be the lag or lead regulator type.

**BID ITEM LIST
04-4A2504**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	043904	CONCRETE BARRIER (TRANSITION ANCHOR BLOCK)	LF	38		
2	074017	PREPARE WATER POLLUTION CONTROL PROGRAM	LS	LUMP SUM	LUMP SUM	
3	074028	TEMPORARY FIBER ROLL	LF	22,500		
4	074034	TEMPORARY COVER	SQYD	3,500		
5	074038	TEMPORARY DRAINAGE INLET PROTECTION	EA	100		
6	130900	TEMPORARY CONCRETE WASHOUT	LS	LUMP SUM	LUMP SUM	
7	090105	TIME-RELATED OVERHEAD (LS)	LS	LUMP SUM	LUMP SUM	
8	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
9	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
10	128650	PORTABLE CHANGEABLE MESSAGE SIGN	EA	1		
11	130100	JOB SITE MANAGEMENT	LS	LUMP SUM	LUMP SUM	
12	150771	REMOVE ASPHALT CONCRETE DIKE	LF	22,600		
13	151272	SALVAGE METAL BEAM GUARD RAILING	LF	960		
14	152320	RESET ROADSIDE SIGN	EA	52		
15	160102	CLEARING AND GRUBBING (LS)	LS	LUMP SUM	LUMP SUM	
16	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
17	203006	EROSION CONTROL (DRY SEED) (SQFT)	SQFT	8,460		
18	203021	FIBER ROLLS	LF	1,490		
19	203026	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	7		
20	203034	ROLLED EROSION CONTROL PRODUCT (NETTING)	SQFT	8,460		

**BID ITEM LIST
04-4A2504**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	210600	COMPOST	SQFT	8,460		
22	390136	MINOR HOT MIX ASPHALT	TON	306		
23	394074	PLACE HOT MIX ASPHALT DIKE (TYPE C)	LF	950		
24	394077	PLACE HOT MIX ASPHALT DIKE (TYPE F)	LF	22,400		
25	820118	GUARD RAILING DELINEATOR	EA	1,730		
26	820134	OBJECT MARKER (TYPE P)	EA	8		
27	820151	OBJECT MARKER (TYPE L-1)	EA	18		
28	832003	METAL BEAM GUARD RAILING (WOOD POST)	LF	44,400		
29	832070	VEGETATION CONTROL (MINOR CONCRETE)	SQYD	19,000		
30	839541	TRANSITION RAILING (TYPE WB)	EA	3		

**BID ITEM LIST
04-4A2504**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
31	839581	END ANCHOR ASSEMBLY (TYPE SFT)	EA	23		
32	839584	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	5		
33	839585	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	16		
34	860090	MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS	LUMP SUM	LUMP SUM	
35	860460	LIGHTING AND SIGN ILLUMINATION	LS	LUMP SUM	LUMP SUM	
36	BLANK					
37	839710	CONCRETE BARRIER (TYPE 60S)	LF	45		
38	99990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

**TOTAL BID
FOR ITEMS:**

\$ _____

**TOTAL BID
FOR TIME:**

$$\frac{\text{WORKING DAYS BID}}{\text{(Not to exceed 130 Days)}} \times \frac{\$3,500.00}{\text{COST PER DAY}} = \$ \text{_____}$$

TOTAL BID FOR COMPARISON (COST PLUS TIME):

\$ _____