

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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*Serious Drought.
Help save water!*

October 26, 2016

12-Ora-55, 57, 91-17.5/17.9; 15.2/16.0; 5.8/6.8; 8.7/R9.5

12-0M6104

Project ID 1212000121

ACHSNH-X059(073)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN ORANGE COUNTY IN ANAHEIM ON ROUTES 55, 57, 91 AT ROUTE 91/57 SEPARATION AND ROUTE 91/55 SEPARATION to revise the *Notice to Bidders and Special Provisions*.

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 2, 2016.

In the Notice to Bidders and Special Provisions, the project plans approved date is revised as follows:

"July 25, 2016."

In the Notice to Bidders, the following paragraph is added after the ninth paragraph as follows:

"For the Federal training program, the number of trainees or apprentices is 5."

In the Special Provisions, Section 1-1.01, "BID ITEMS AND APPLICABLE SECTIONS," is replaced as attached.

In the Special Provisions, Section 12-3.08, "SIDE REFLECTORS," is added as attached.

In the Special Provisions, Section 14-11.08, "MATERIAL CONTAINING HAZARDOUS WASTE CONCENTRATIONS OF AERIALY DEPOSITED LEAD," is replaced as attached.

In the Special Provisions, Section 83-5.05, "ALTERNATIVE CRASH CUSHIONS," is added as attached.

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Project ID 1212000121
ACHSNH-X059(073)E

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 attachment are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/12/12-0M6104

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 RYAN CHAMBERLAIN
District Director

Attachment

Add to section 1-1.01:

Bid Items and Applicable Sections

032381	ALTERNATIVE TEMPORARY CRASH CUSHION	12
160102	CLEARING AND GRUBBING (LS)	17
150685	REMOVE IRRIGATION FACILITY	20
150771	REMOVE ASPHALT CONCRETE DIKE	39
150857	REMOVE ASPHALT CONCRETE SURFACING	60
820118	GUARD RAILING DELINEATOR	81
032382	CONCRETE BARRIER MARKER	82
032383	BURIED POST END ANCHOR	83
032384	ALTERNATIVE CRASH CUSHION	83
032385	CONCRETE BARRIER (TYPE 9)	83
150661	REMOVE GUARDRAIL	83
156585	REMOVE CRASH CUSHION	83

Replace the 5th paragraph in section 12-3.08C with:

Install side reflectors on the side of each Type K Temporary Railing panel placed within 10 feet of a traffic lane. Side reflectors must be on the Authorized Material List for signing and delineation materials. The side reflectors may be placed on the side of the rail panel using adhesives or other attachment methods. The adhesive or attachment methods for mounting the reflector must comply with the reflector manufacturer's instructions.

Add to section 12-3.08D:

Payment for reflectors is included in the payment for Type K Temporary Railing.

Add to the list in the 2nd paragraph of section 14-11.08A:

9. RWQCB, Region _8, Santa Ana
10. South Coast Air Quality Management District

Add to the end of section 14-11.08A:

Hazardous waste concentrations of ADL are present within the project limits. Management of this material exposes workers to health hazards that must be addressed in a lead compliance plan.

The Department has received a variance from the DTSC regarding the use of material containing ADL. The variance applies if Type Y-1 or Type Y-2 material is shown. The variance is available for inspection at the Department of Transportation, District 12, 3347 Michelson Dr., Suite 100, Irvine, CA 92612-8894. Environmental Engineering Branch.

Add to section 14-11.08C:

Type Y-1 material exists as shown on sheet C-13 of construction details.

Replace the 1st paragraph of section 14-11.08D(2) with:

Within 15 days of Contract approval, submit 3 copies of an excavation and transportation plan for material containing hazardous waste concentrations of ADL. Allow 7 days for review.

Add after the 2nd paragraph of section 14-11.08D(2):

The excavation and transportation plan must include:

1. Procedures for excavating, stockpiling, transporting, placing and disposing of the material
2. Excavation schedule by location and date
3. Locations for temporary stockpiles if stockpiling is ordered
4. Survey methods for burial locations for Types Y-1 or Y-2 materials
5. Dust control measures
6. Transportation equipment and routes
7. Method for preventing spills and tracked material onto public roads
8. Truck waiting and staging areas
9. Spill contingency plan for material containing ADL

Replace *Reserved* in section 14-11.08D(3) with:

Within 5 business days of completing placement of Type Y-1 or Type Y-2 material, submit a report for each burial location that includes:

1. Burial Location of Soil Containing Aerially Deposited Lead form
2. Electronic geospatial vector data shapefiles of the top and bottom perimeters of the burial location

Submit the report to the Engineer and to:

ADL@dot.ca.gov.

The Engineer notifies you of acceptance or rejection of the burial location report within 5 business days of receipt. If the report is rejected, submit a corrected report within 5 business days of receiving notification.

Replace *Reserved* in section 14-11.08G with:

Place Type Y-1 material and cover with a minimum 2 foot layer of nonhazardous soil or pavement. Temporary surplus material may be generated by stage construction. Do not transport temporary surplus outside the job site. It may be necessary to:

1. Stockpile material for subsequent stages
2. Construct some embankments out of stage
3. Handle temporary surplus material more than once

Replace section 83-5.05 with:

83-5.05 ALTERNATIVE CRASH CUSHIONS

83-5.05A General

83-5.05A(1) Summary

Section 83-5.05 includes specifications for constructing alternative crash cushions.

83-5.05A(2) Definitions

Not Used

83-5.05A(3) Submittals

Submit a copy of the manufacturer's plan and parts list for each model of alternative crash cushion as an informational submittal.

Submit a certificate of compliance for each model of alternative crash cushion.

83-5.05A(4) Quality Assurance

Not Used

83-5.05B Materials

The allowable alternatives for a permanent crash cushion shall consist of one of the following or a Department approved equal.

1. Type REACT crash cushions must be manufactured by Energy Absorption Systems, Inc., located at 35 East Wacker Drive, Suite 1100, Chicago, IL 60601-2076. Type REACT crash cushions and additional components must comply with the descriptions shown in the following table:

Bid item description	Manufacturer's product description
Type REACT 9SCBS crash cushion	REACT 350-36 self contained
Type REACT 9CBB crash cushion	REACT 350-36 concrete side mount
Type REACT 62B060 crash cushion	REACT 350 wide system (60") self contained
Type REACT 62B096 crash cushion	REACT 350 wide system (96") self contained
Type REACT 62B120 crash cushion	REACT 350 wide system (120") self contained

The Type REACT crash cushions can be obtained from the following distributors:

Address	Telephone and fax nos.
TRAFFIC CONTROL SERVICE INC 8585 THYS COURT SACRAMENTO CA 95828	Telephone: (916) 387-9733 Fax: (916) 387-9734
TRAFFIC CONTROL SERVICE INC 1818 E ORANGETHORPE FULLERTON CA 92831-5324	Telephone: (714) 526-9500 Fax: (714) 526-9561

2. CRASH CUSHION (TYPE SCI-100GM) - Crash cushion (Type SCI-100GM). The Type SCI-100GM crash cushion can be obtained from the following distributors:

Address	Telephone and fax nos.
Work Area Protection Corporation 2500 Production Drive St. Charles IL 60174-9081	Telephone: (800) 327-4417 Fax: (630)377-9270
D&M Traffic Services Inc. 845 Reed Street Santa Clara CA 85050	Telephone: (408) 436-1127 Fax: (800) 953-2636

3. CRASH CUSHION (COMPRESSOR) - Crash cushion (Type Compressor). The Type Compressor can be obtained from the manufacturer:

Address	Telephone and fax nos.
Traffix Devices Inc. 160 Avenida :La Pata San Clemente CA 92673	Telephone: (949) 350-7048 Fax: (949) 361-9205

4. CRASH CUSHION (QUADGUARD ELITE 8-BAY) - Crash cushion (Type Quadguard Elite 8-bay). Type Quadguard Elite 8-bay must comply with the descriptions shown in the following table:

Backup Width	Manufacturer's Product Description
24 inch backup	QS2408E
30 inch backup	QS3008E
36 inch backup	QS3608E
69 inch backup	QS6908E
90 inch backup	QS9008E

The Type QUADGUARD ELITE 8-BAY crash cushion can be obtained from the distributors:

Address	Telephone and fax nos.
TRAFFIC CONTROL SERVICE INC 8585 THYS COURT SACRAMENTO CA 95828	Telephone: (916) 387-9733 Fax: (916) 387-9734
TRAFFIC CONTROL SERVICE INC 1818 E ORANGETHORPE FULLERTON CA 92831-5324	Telephone: (714) 526-9500 Fax: (714) 526-9561

The price quoted for the Type REACT 9SCBS crash cushion includes the concrete anchorage devices, but does not include the concrete anchor slab or the W-beam connection to the barrier.

The price quoted for the Type REACT 9CBB crash cushion includes the concrete anchorage devices, but does not include the concrete anchor slab or the concrete backup block.

10. Use for Type REACT 62B060, Type REACT 62B096, and Type REACT 62B120 crash cushions.

The price quoted for the Type REACT 62B060, Type REACT 62B096 and Type REACT 62B120 crash cushion includes the self-contained backup and concrete anchorage devices, but does not include the concrete anchor slab.

Concrete anchorage devices used for attaching the crash cushion to the base slab must be limited to those provided by the manufacturer.

The concrete anchor slab, including bar reinforcing steel, must comply with sections 51 and 52.

The concrete anchor slab and backup block, including bar reinforcing steel, must comply with sections 51 and 52.

Construct the concrete anchor slab using concrete containing at least 590 pounds of cementitious material per cubic yard.

Construct the concrete anchor slab and backup block using concrete containing at least 590 pounds of cementitious material per cubic yard.

Construct the concrete anchor slab using concrete containing at least 674 pounds of cementitious material per cubic yard and incorporating an air-entraining admixture.

Construct the concrete anchor slab and backup block using concrete containing at least 674 pounds of cementitious material per cubic yard and incorporating an air-entraining admixture.

For Type REACT 9SCBS crash cushions, W-beam connections to the barrier must comply with section 83-2.02. The HS bolts must comply with ASTM A325 or A325M and the nuts must comply with ASTM A563 or A563M.

83-5.05C Construction

Install Type REACT crash cushions under the manufacturer's instructions.

83-5.05D Payment

Not Used