

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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August 23, 2013

12-Ora-55-2.0/11.8

12-0L74U4

Project ID 1213000066

NH-HSNH-P055(054)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN ORANGE COUNTY IN COSTA MESA AND SANTA ANA FROM 19TH STREET TO 17TH STREET.

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 Thursday, September 19, 2013.

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

Project plan sheets 5, 45, 46 and 150 are replaced and attached for substitution for the like-numbered sheets.

Project plan sheets 337A, 337B, 337C, 337D, 337E, 337F, 337G, 337H, 337I, 337J, 337K, 337L, 337M, 337N, 337O and 337P are added and attached for addition to the project plans.

In the *Notice to Bidders and Special Provisions*, in the "STANDARD PLANS LIST," the following Revised Standard Plans are added as attached:

"RSP A10B, RSP A77L1, RSP A77M1, RSP A77N1, RSP A77N3, RSP A77N4, RSP A77P1, RSP A77Q5, RSP A77R3, RSP A77R3, RSP A77S1, RSP A77S2, RSP A77S3, RSP A77T2, RSP A77U1, RSP A77U2 AND RSP A77U3."

In the Special Provisions, Section 5, "CONTROL OF WORK," the following paragraph is added after the fifth paragraph.

"Add to section 5-1.20A:

During the progress of the work under this Contract, work under the following contracts may be in progress at or near the job site of this Contract:

Coincident or Adjacent Contracts

Contract no.	County–Route–Post Mile	Location	Type of work
City of Costa Mesa Encroachment Permit	Ora-55-2.0	On the median approximately from Station 113+50 to 115+00	Construct City Gateway Monument & Railing

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In the Special Provisions, Section 10, "GENERAL," the following paragraph is added after the first paragraph.

"Add to section 10-1.02:

The first order of the work shall be to complete the median work between stations 109+58 and 121+90 in city of Costa Mesa including shoulder widening."

In the Special Provisions, Section 12-4.05E, "Chart No. R-08," is added as attached.

In the Special Provisions, Section 83-1.02C(2), "Alternative In-Line Terminal System," is replaced as attached.

In the Special Provisions, Section 83-1.02C(3), "Alternative Flared Terminal System," is replaced as attached.

In the *Bid* book, in the "Bid Item List," Item 137 is replaced as attached.

To *Bid* book holders:

In the *Bid* book, page 9 of the "Bid Item List" is replaced as attached. The attached 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.

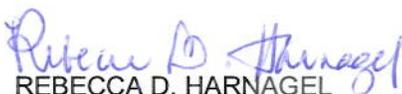
Inform subcontractors and suppliers as necessary.

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/12/12-0L74U4

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

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

Chart no. R-08 Complete Ramp Closure Hours/Ramp Lane Requirements																									
County: Orange							Route/Direction: 55/NB & SB							PM:											
Closure limits: NB & SB SR-55 from 17th Street to 19th Street 3 Ramp Termini at various locations																									
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
Mon-Thu	C	C	C	C																					
Fri																								C	C
Sat	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
Sun	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:																									
<input type="checkbox"/> C Ramp may be closed completely																									
<input type="checkbox"/> Work allowed within the highway where shoulder or lane closure is not required																									
REMARKS:																									

Replace section 83-1.02C(2) with:

83-1.02C(2) Alternative In-Line Terminal System

Alternative in-line terminal system must be furnished and installed as shown on the plans and under these special provisions.

The allowable alternatives for an in-line terminal system must consist of one of the following or a Department-authorized equal.

1. TYPE SKT-MGS TERMINAL SYSTEM - Type SKT-MGS terminal system must be a SKT 350 sequential kinking terminal, system length 53'-1-1/2", manufactured by Road Systems, Inc., located in Big Spring, Texas, and must include items detailed for Type SKT-MGS terminal system shown on the plans. The SKT 350 sequential kinking terminal can be obtained from the distributor, Universal Industrial Sales, P.O. Box 699, Pleasant Grove, UT 84062, telephone (801) 785-0505 or from the distributor, Gregory Highway Products, 4100 13th Street, S.W., Canton, OH 44708, telephone (330) 477-4800.
2. TYPE ET-PLUS 31 TERMINAL SYSTEM - Type ET-PLUS 31 terminal system must be an ET-2000 PLUS (4-tube system) extruder terminal, system length 53'-1-1/2", as manufactured by Trinity Highway Products, LLC, and must include items detailed for Type ET-PLUS 31 terminal system shown on the plans. The ET-2000 PLUS (4-tube system) extruder terminal can be obtained from the manufacturer, Trinity Highway Products, LLC, P.O. Box 99, Centerville, UT 84012, telephone (800) 772-7976.

Submit a certificate of compliance for terminal systems.

Terminal systems must be installed under the manufacturer's installation instructions and these specifications. Each terminal system installed must be identified by painting the type of terminal system in neat black letters and figures 2 inches high on the backside of the rail element between system posts numbers 4 and 5.

For Type ET-PLUS 31 terminal system, install a hinged breakaway post at Post 1 and 6'-0" steel yielding terminal posts at Posts 2 through 6. The hinged breakaway post must be, at the Contractor's option, either driven, with or without pilot holes, or placed in drilled holes. If placed in a pilot or drilled hole, space around the hinged breakaway post must be backfilled with selected earth, free of rock, placed in layers approximately 4 inches thick and each layer must be moistened and thoroughly compacted.

For Type SKT-MGS terminal system, install the soil tube with soil plate attached at Post 1, hinged breakaway post at Post 2, and 6'-0" W6 x 9 steel posts at Posts 3 through 8. Use a W6 x 15 steel post at Post 1. The soil tube with soil plate must be, at the Contractor's option, driven with or without pilot holes, or placed in drilled holes. Space around the steel foundation tubes must be backfilled with selected earth, free of rock, placed in layers approximately 4 inches thick and each layer must be moistened and thoroughly compacted.

For Type ET-PLUS 31 terminal system, install 4'-6" steel foundation tubes with soil plates attached or 6'-0" soil tubes at Posts 1 and 2. Install 6'-0" controlled release terminal posts at Posts 3 through 6. The steel foundation tubes must be, at the Contractor's option, either driven, with or without pilot holes, or placed in drilled holes. Space around the steel foundation tubes must be backfilled with selected earth, free of rock, placed in layers approximately 4 inches thick and each layer must be moistened and thoroughly compacted. The wood terminal posts must be inserted into the steel foundation tubes by hand and must not be driven. Before the wood terminal posts are inserted, the inside surfaces of the steel foundation tubes to receive the wood posts must be coated with a grease that will not melt or run at a temperature of 149 degrees F or less. The edges of the wood terminal posts may be slightly rounded to facilitate insertion of the post into the steel foundation tubes.

For Type SKT-MGS terminal system, install the soil tube with soil plate attached at Post 1, breakaway cable terminal post at Post 2, and controlled release terminal posts at Posts 3 through 8. The soil tube must be, at the Contractor's option, driven with or without pilot holes, or placed in a drilled hole. Space around the steel foundation tube must be backfilled with selected earth, free of rock, placed in layers approximately 4 inches thick and each layer must be moistened and thoroughly compacted. A wood post must be inserted into the steel foundation tube by hand. Before the wood terminal post is inserted, the inside surfaces of the steel foundation tube to receive the wood post must be coated with a grease that will not melt or run at a temperature of 149 degrees F or less. The edge of the wood post may be slightly rounded to facilitate insertion of the post into the steel foundation tube.

After installing the terminal system, dispose of surplus excavated material in a uniform manner along the adjacent roadway where designated by the Engineer.

Replace section 83-1.02C(3) with:

83-1.02C(3) Alternative Flared Terminal System

Alternative flared terminal system must be furnished and installed as shown on the plans and under these special provisions.

The allowable alternatives for a flared terminal system must consist of one of the following or a Department-authorized equal.

1. TYPE FLEAT-MGS TERMINAL SYSTEM - Type FLEAT-MGS terminal system must be a Flared Energy Absorbing Terminal 350, system length 37'-6", manufactured by Road Systems, Inc., located in Big Spring, Texas, and must include items detailed for Type FLEAT-MGS terminal system shown on the plans. The Flared Energy Absorbing Terminal 350 can be obtained from the distributor, Universal Industrial Sales, P.O. Box 699, Pleasant Grove, UT 84062, telephone (801) 785-0505 or from the distributor, Gregory Industries, Inc., 4100 13th Street, S.W., Canton, OH 44708, telephone (330) 477-4800.
2. TYPE SRT-31 TERMINAL SYSTEM - Type SRT-31 terminal system must be an SRT-350 Slotted Rail Terminal (6-post system), system length 37'-6", as manufactured by Trinity Highway Products, LLC, and must include items detailed for Type SRT-31 terminal system shown on the plans. The SRT-350 Slotted Rail Terminal (6-post system) can be obtained from the manufacturer, Trinity Highway Products, LLC, P.O. Box 99, Centerville, UT 84012, telephone (800) 772-7976.

Submit a certificate of compliance for terminal systems.

Terminal systems must be installed under the manufacturer's installation instructions and these specifications. Each terminal system installed must be identified by painting the type of terminal system in neat black letters and figures 2 inches high on the backside of the rail element between system posts numbers 4 and 5.

For Type SRT-31 terminal system, install a cable release post at Post 1 and 6'-0" steel yielding terminal posts at Posts 2 through 6. The cable release post and steel yielding terminal posts must be, at the Contractor's option, either driven, with or without pilot holes, or placed in drilled holes. If placed in pilot or drilled holes, space around the posts must be backfilled with selected earth, free of rock, placed in layers approximately 4 inches thick and each layer must be moistened and thoroughly compacted.

For Type FLEAT-MGS terminal system, install the soil tube with soil plate attached at Post 1, hinged breakaway post at Post 2, and 6'-0" W6 x 9 steel posts at Posts 3 through 7. Use a W6 x 15 steel post at Post 1. The soil tube with soil plate must be, at the Contractor's option, driven with or without pilot holes, or placed in drilled holes. Space around the steel foundation tubes must be backfilled with selected earth, free of rock, placed in layers approximately 4 inches thick and each layer must be moistened and thoroughly compacted.

For Type FLEAT-MGS terminal system, install the soil tubes with soil plate attached at Posts 1 and 2, breakaway cable terminal posts at Posts 1 and 2, and controlled release terminal posts at Posts 3 through 6. The soil tubes with soil plates must be, at the Contractor's option, driven with or without pilot holes, or placed in drilled holes. Space around the steel foundation tubes must be backfilled with selected earth, free of rock, placed in layers approximately 4 inches thick and each layer must be moistened and thoroughly compacted. The breakaway cable terminal posts must be inserted into the steel foundation tubes by hand and must not be driven.

After installing the terminal system, dispose of surplus excavated material in a uniform manner along the adjacent roadway where designated by the Engineer.

**BID ITEM LIST
12-0L74U4**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121	650024	33" REINFORCED CONCRETE PIPE	LF	24		
122	650026	36" REINFORCED CONCRETE PIPE	LF	72		
123	650028	39" REINFORCED CONCRETE PIPE	LF	380		
124	650030	42" REINFORCED CONCRETE PIPE	LF	490		
125	690960	12" PLASTIC PIPE DOWNDRAIN	LF	310		
126	692001	ENTRANCE TAPER	EA	7		
127	703233	GRATED LINE DRAIN	LF	520		
128	705307	12" ALTERNATIVE FLARED END SECTION	EA	7		
129	707217	36" PRECAST CONCRETE PIPE MANHOLE	LF	22		
130	731502	MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	CY	140		
131	731504	MINOR CONCRETE (CURB AND GUTTER)	CY	11		
132	731656	CURB RAMP DETECTABLE WARNING SURFACE	SQFT	170		
133 (F)	750001	MISCELLANEOUS IRON AND STEEL	LB	7,827		
134	820107	DELINEATOR (CLASS 1)	EA	180		
135	820118	GUARD RAILING DELINEATOR	EA	180		
136	820134	OBJECT MARKER (TYPE P)	EA	7		
137	832007	MIDWEST GUARDRAIL SYSTEM (WOOD POST)	LF	3,060		
138	833077	PEDESTRIAN BARRICADE	EA	1		
139	044292	CONCRETE BARRIER (TRANSITION ANCHOR BLOCK)	LF	12		
140	839401	CONCRETE BARRIER	LF	450		