

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

1727 30<sup>th</sup> Street MS-43

P.O. BOX 168041

SACRAMENTO, CA 95816-8041

FAX (916) 227-6214

www.dot.ca.gov/hq/esc/oe



*Serious Drought.  
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August 30, 2016

03-ED-49-23.6/24.5

03-OF3104

Project ID 0300000078

ACST-P049(169)

Addendum No. 3

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN EL DORADO COUNTY NEAR COLOMA FROM 0.1 MILE EAST OF MARSHALL ROAD TO 0.3 MILE EAST OF LOTUS ROAD, to revise the project plans, the *Notice to Bidders and Special Provisions*, the *Bid* book and update the cross sections.

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, September 28, 2016.

Project plan sheets 6, 8, 9, 10, 11, 12, 16, 17, 48, 49, 50, 51, 58, 60, 65, 66, 67, 68, 69, 71, 72, 74, 80, 82, 97, 98, 99, 100, 101, 103 and 119 are replaced and attached for substitution for the like-numbered sheets.

Project plan sheets 117A, 117B, 117C, 117D, 117E, 117F, 117G, 117H, 117I, 117J, 117K, 117L, 117M, 117N, 117O, 121A and 121B 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 Standard Plans are added as follows:

"T51, T53, T57, T60, T63, T64, T66, RSP ES-9C and RSP ES-9D."

In the *Notice to Bidders*, the fourteenth paragraph is replaced as follows:

"The estimated cost of the project is \$16,600,000."

In the *Special Provisions*, the following item is added to the table in section 1-1.01.

032077	INSTALL ROADSIDE SIGN PANEL ON RETAINING WALL	82
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03-0F3104  
Project ID 0300000078  
ACST-P049(169)

In the Special Provisions, Section 14-9.02, is added as attached.

In the Special Provisions, Section 19-11, "SOIL FILLED (CELLULAR CONFINEMENT SYSTEM)," is added as attached.

In the *Bid* book, in the "Bid Item List," Items 15, 16, 17, 28, 34, 58, 74, 78, 79, 114, 116, 117, 119, 139, 140, 168, 169, 172, 173, 174, 175, and 176 are replaced.

In the *Bid* book, in the "Bid Item List," Items 182, 183, 184, 185 and 186 are added.

In the *Bid* book, in the "Bid Item List," Items 3, 101 and 181 are deleted.

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](http://www.dot.ca.gov/hq/esc/oe/electronic_bidding/electronic_bidding.html)**

Inform subcontractors and suppliers as necessary.

This addendum, EBS addendum file, updated cross sections and attachments are available for the Contractors' download on the Web site:

**[http://www.dot.ca.gov/hq/esc/oe/project\\_ads\\_addenda/03/03-0F3104](http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/03/03-0F3104)**

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,



 AMARJEET BENIPAL  
District Director

Attachments

**Add to the end of section 14-9.02:**

The US EPA has established the National Emission Standards for Hazardous Air Pollutants (NESHAP). Under the Health & Safety Code § 39658(b)(1), your demolition and rehabilitation activities must comply with 40 CFR 61, Subpart M (National Emission Standard for Asbestos).

The asbestos survey and sampling report for this project is included in the *Information Handout*.

Notify the US EPA and the California Air Resources Board of your demolition activities even if the activities will not disturb asbestos-containing material.

You may obtain an Asbestos NESHAP Notification of Demolition and Renovation Form at the California Air Resources Board's website:

<http://www.arb.ca.gov/enf/asbestos/asbestos.htm>

Instead of the 10 working days specified at the website, mail or deliver the form with the necessary attachments at least 15 days before starting demolition or rehabilitation activities to:

US EPA - REGION IX  
ASBESTOS NESHAP NOTIFICATION (AIR-5)  
75 HAWTHORNE ST  
SAN FRANCISCO, CA 94105

Mail or fax a copy of the notification form to:

CALIFORNIA AIR RESOURCES BOARD  
ENFORCEMENT DIVISION  
ASBESTOS NESHAP NOTIFICATION  
P.O. BOX 2815  
SACRAMENTO, CA 95812  
FAX: (916) 229-0645

Submit a copy of the notification form and attachments as informational submittals before starting demolition or rehabilitation activities.

**Replace section 19-11 with:  
19-11 SOIL FILLED (CELLULAR CONFINEMENT SYSTEM)**

**19-11.01 GENERAL**

**19-11.01A Summary**

Section 19-11 includes specifications for constructing soil filled (cellular confinement systems).

Constructing soil filled (cellular confinement system) includes:

1. Preparing areas to receive cellular confinement system
2. Compacting slope areas
3. Placing cellular confinement system
4. Filling and compacting cellular confinement system with backfill material

**19-11.01B Submittals**

Submit the following:

1. Product data including the manufacturer's product sheet and the instructions for installing the cellular confinement system
2. Certificate of compliance for cellular confinement system at least 5 business days before delivery of the material to the job site

**19-11.02 MATERIALS**

**19-11.02A Backfill Material**

Backfill material for soil filled (cellular confinement system) shall be a mix of 50% imported topsoil and 50% compost.

**19-11.02A(1) Imported Topsoil**

Imported topsoil must comply with section 21-2.02C(3).

**19-11.02A(2) Compost**

Compost must comply with section 21-2.02K.

**19-11.02B Cellular Confinement System**

Cellular confinement system must be formed from polyethylene in a three-dimensional cellular honeycomb structure. Cell dimensions to be shown on plans.

Cellular confinement system must include all anchoring components per manufacturer's specifications. Cellular confinement system must have following properties:

Cellular Confinement System	
Material	Polyethylene polymer with no heavy metal content
Color	Tan
Sheet Thickness	50 mil -5% +10% before texturing
Section Weight	75.2 lbs
Cell Area	71.3 in <sup>2</sup> (nominal area +/-1%)
Cell Depth	3 in
Cell Dimension	11.3 in x 12.6 in (nominal +/-10%)
Cell Seam Strength	240 lbf
Environmental Stress Crack Resistance (ESCR)	5000 hours (min)

**19-11.02C Anchor Bars**

Anchor bars shall consist of ASTM Designation A 615, Grade 40, No. 4 reinforcement bar.

**19-11.03 CONSTRUCTION**

**19-11.03A Site Preparation**

Clear areas to receive cellular confinement systems of trash and debris. Weeds must be removed to the ground level. Dispose of trash, debris, and removed weeds. After clearing, excavate the areas to receive cellular confinement systems to the depth shown, grade to a smooth surface, and compact to not less than 85% relative compaction.

### **19-11.03B Installation**

Soil confinement system shall be installed as shown on plans, and per cellular confinement system manufacturer's recommendations for surface stabilization, erosion control and the following:

1. Areas to receive soil confinement systems shall be excavated to a depth of 3 inches.
2. Rocks, litter and any unsuitable material encountered shall be removed and the area graded smooth to accommodate the soil confinement system.
3. Cellular panels must be expanded into position on the slope and anchored per manufacturer's specification.
4. Cellular panels sections must be secured with positive locking devices through material slots both end-to-end and side to side, providing a secure load transfer connection.
5. Cellular panels across ditch shall have panel material in continual contact to finished grade, and have a minimum of one panel cell or more in ditch, as per manufacturer's specifications.
6. Backfill material shall be pre-mixed of 50% compost and imported topsoil.
7. Backfill material shall be uniformly placed and spread and compacted to 3 inches just covering the top of the cellular confinement system. Backfill material shall be placed such that no portion of the cellular confinement system is exposed.
8. After applying backfill material, the Contractor must water settle the total thickness of backfill material to compact backfill material. Compact backfill material with a plate tamper or the back of a smooth bucket of the backfill material placement equipment as recommended by the manufacturer of the cellular confinement system.

### **19-11.04 PAYMENT**

Soil filled (cellular confinement system) is measured parallel to the ground surface excluding overlaps.

**BID ITEM LIST  
03-0F3104**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1	070030	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
2	080050	PROGRESS SCHEDULE (CRITICAL PATH METHOD)	LS	LUMP SUM	LUMP SUM	
3	BLANK					
4	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
5	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
6	120120	TYPE III BARRICADE	EA	56		
7	120149	TEMPORARY PAVEMENT MARKING (PAINT)	SQFT	700		
8	120159	TEMPORARY TRAFFIC STRIPE (PAINT)	LF	42,600		
9	120199	TRAFFIC PLASTIC DRUM	EA	260		
10	128652	PORTABLE CHANGEABLE MESSAGE SIGN (LS)	LS	LUMP SUM	LUMP SUM	
11	129000	TEMPORARY RAILING (TYPE K)	LF	2,620		
12	031437	ALTERNATIVE TEMPORARY CRASH CUSHION	EA	8		
13	130100	JOB SITE MANAGEMENT	LS	LUMP SUM	LUMP SUM	
14	130300	PREPARE STORM WATER POLLUTION PREVENTION PLAN	LS	LUMP SUM	LUMP SUM	
15	130310	RAIN EVENT ACTION PLAN	EA	39	500.00	
16	130320	STORM WATER SAMPLING AND ANALYSIS DAY	EA	72		
17	130330	STORM WATER ANNUAL REPORT	EA	2	2,000.00	
18	130505	MOVE-IN/MOVE-OUT (TEMPORARY EROSION CONTROL)	EA	10		
19	130530	TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	SQYD	4,840		
20	130570	TEMPORARY COVER	SQYD	4,840		

**BID ITEM LIST  
03-0F3104**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	130610	TEMPORARY CHECK DAM	LF	900		
22	130620	TEMPORARY DRAINAGE INLET PROTECTION	EA	27		
23	130640	TEMPORARY FIBER ROLL	LF	15,500		
24	130650	TEMPORARY GRAVEL BAG BERM	LF	80		
25	130660	TEMPORARY LARGE SEDIMENT BARRIER	LF	500		
26	130670	TEMPORARY REINFORCED SILT FENCE	LF	1,000		
27	130680	TEMPORARY SILT FENCE	LF	1,000		
28	130710	TEMPORARY CONSTRUCTION ENTRANCE	EA	5		
29	130730	STREET SWEEPING	LS	LUMP SUM	LUMP SUM	
30	130900	TEMPORARY CONCRETE WASHOUT	LS	LUMP SUM	LUMP SUM	
31	131103	WATER QUALITY SAMPLING AND ANALYSIS DAY	EA	60		
32	131104	WATER QUALITY MONITORING REPORT	EA	60		
33	140003	ASBESTOS COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
34	141000	TEMPORARY FENCE (TYPE ESA)	LF	1,280		
35	141110	WORK AREA MONITORING (BRIDGE)	LS	LUMP SUM	LUMP SUM	
36	141120	TREATED WOOD WASTE	LB	5,170		
37	031438	REMOVE EXISTING WATER LINE (ASBESTOS CEMENT PIPE)	LF	1,200		
38	146001	CONTRACTOR-SUPPLIED BIOLOGIST (DAY)	DAY	150		
39	150204	ABANDON CULVERT (LF)	LF	210		
40	150305	OBLITERATE SURFACING	SQYD	3,230		

**BID ITEM LIST  
03-0F3104**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	150606	REMOVE FENCE (TYPE BW)	LF	950		
42	150661	REMOVE GUARDRAIL	LF	330		
43	150668	REMOVE FLARED END SECTION	EA	2		
44	031439	REMOVE PAINTED TRAFFIC STRIPE (WATER BLASTING)	LF	25,100		
45	031440	REMOVE PAINTED PAVEMENT MARKING (WATER BLASTING)	SQFT	510		
46	031441	REMOVE THERMOPLASTIC TRAFFIC STRIPE (WATER BLASTING)	LF	13,700		
47	150742	REMOVE ROADSIDE SIGN	EA	27		
48	150801	REMOVE OVERSIDE DRAIN	EA	1		
49	150809	REMOVE CULVERT (LF)	LF	610		
50	150820	REMOVE INLET	EA	8		
51	150821	REMOVE HEADWALL	EA	6		
52	152320	RESET ROADSIDE SIGN	EA	3		
53	152390	RELOCATE ROADSIDE SIGN	EA	4		
54	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	2,860		
55	157550	BRIDGE REMOVAL	LS	LUMP SUM	LUMP SUM	
56	045339	SALVAGE BEARING ASSEMBLIES	EA	6		
57	160102	CLEARING AND GRUBBING (LS)	LS	LUMP SUM	LUMP SUM	
58	190101	ROADWAY EXCAVATION	CY	20,100		
59	031443	SOIL FILLED (CELLULAR CONFINEMENT SYSTEM)	SQFT	9,500		
60 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	CY	684		

**BID ITEM LIST  
03-0F3104**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61 (F)	192020	STRUCTURE EXCAVATION (TYPE D)	CY	53		
62 (F)	192037	STRUCTURE EXCAVATION (RETAINING WALL)	CY	1,017		
63 (F)	192055	STRUCTURE EXCAVATION (SOIL NAIL WALL)	CY	420		
64 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	CY	341		
65 (F)	193013	STRUCTURE BACKFILL (RETAINING WALL)	CY	891		
66 (F)	193028	STRUCTURE BACKFILL (SOIL NAIL WALL)	CY	40		
67 (F)	193031	PERVIOUS BACKFILL MATERIAL (RETAINING WALL)	CY	44		
68	194001	DITCH EXCAVATION	CY	39		
69	198010	IMPORTED BORROW (CY)	CY	2,700		
70	205033	GRAVEL MULCH	SQFT	47,200		
71	210010	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	3		
72	210250	EROSION CONTROL (BONDED FIBER MATRIX) (SQFT)	SQFT	159,000		
73	210270	ROLLED EROSION CONTROL PRODUCT (NETTING)	SQFT	25,800		
74	210350	FIBER ROLLS	LF	6,480		
75	210600	COMPOST	SQFT	25,800		
76	210630	INCORPORATE MATERIALS	SQFT	5,360		
77	031444	EROSION CONTROL (RIVER SHORE MATERIAL)	SQFT	19,200		
78	260203	CLASS 2 AGGREGATE BASE (CY)	CY	6,550		
79	390132	HOT MIX ASPHALT (TYPE A)	TON	4,550		
80	390137	RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	TON	2,200		

**BID ITEM LIST  
03-0F3104**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101	BLANK					
102 (F)	045345	RANDOM ROUGH STACKED ROCK TEXTURE	SQFT	5,709		
103	045346	PRECAST CONCRETE BAT HOUSE	EA	4		
104	518051	PTFE SPHERICAL BEARING	EA	6		
105	519081	JOINT SEAL (MR 1/2")	LF	60		
106	519105	JOINT SEAL ASSEMBLY (MR 7")	LF	44		
107 (F)	520102	BAR REINFORCING STEEL (BRIDGE)	LB	628,068		
108 (F)	520103	BAR REINFORCING STEEL (RETAINING WALL)	LB	30,847		
109 (F)	045347	BAR REINFORCING STEEL (SOIL NAIL WALL)	LB	16,782		
110 (F)	520115	BAR REINFORCING STEEL (GALVANIZED)	LB	1,657		
111 (F)	530200	STRUCTURAL SHOTCRETE	CY	50		
112 (F)	045348	STRUCTURAL STEEL (PIPE PIN)	LB	2,930		
113	560248	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	SQFT	120		
114	566011	ROADSIDE SIGN - ONE POST	EA	45		
115	566012	ROADSIDE SIGN - TWO POST	EA	3		
116	031445	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED) FOR RETROREFLECTIVE SHEETING (TYPE XI)	SQFT	88		
117	031446	FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED) FOR RETROREFLECTIVE SHEETING (TYPE XI)	SQFT	68		
118	031447	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-FRAMED) FOR RETROREFLECTIVE SHEETING (TYPE XI)	SQFT	56		
119	031448	RETROREFLECTIVE SHEETING (TYPE XI)	SQFT	210		
120	591200	ROCK STAIN	SQFT	2,690		

**BID ITEM LIST  
03-0F3104**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121	597600	PREPARE AND PAINT CONCRETE	SQFT	3,657		
122 (F)	620800	CONCRETE BACKFILL (PIPE TRENCH)	CY	2.3		
123	650014	18" REINFORCED CONCRETE PIPE	LF	1,620		
124	650018	24" REINFORCED CONCRETE PIPE	LF	96		
125	665075	18" CORRUGATED STEEL PIPE (.138" THICK)	LF	130		
126	680285	4" PLASTIC PIPE UNDERDRAIN	LF	12		
127	031449	4" PERFORATED PLASTIC PIPE UNDERDRAIN	LF	330		
128	692301	ANCHOR ASSEMBLY	EA	2		
129	700617	DRAINAGE INLET MARKER	EA	17		
130	045349	12" WELDED STEEL PIPE CASING (BRIDGE)	LF	30		
131	045350	14" WELDED STEEL PIPE CASING (BRIDGE)	LF	569		
132	707117	36" PRECAST CONCRETE PIPE INLET	LF	13		
133 (F)	721015	ROCK SLOPE PROTECTION (LIGHT, METHOD B) (CY)	CY	1,330		
134 (F)	721017	ROCK SLOPE PROTECTION (FACING, METHOD B) (CY)	CY	68		
135	729011	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	1,980		
136	730040	MINOR CONCRETE (GUTTER) (LF)	LF	290		
137	731507	MINOR CONCRETE (GUTTER DEPRESSION)	CY	23		
138	731510	MINOR CONCRETE (CURB, GUTTER, SIDEWALK AND DRIVEWAY)	CY	500		
139	731530	MINOR CONCRETE (TEXTURED PAVING)	CY	15		
140	731623	MINOR CONCRETE (CURB RAMP)	CY	19		

**BID ITEM LIST  
03-0F3104**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
161	820107	DELINEATOR (CLASS 1)	EA	14		
162	820112	MARKER (CULVERT)	EA	13		
163	820141	OBJECT MARKER (TYPE K-1)	EA	4		
164	820151	OBJECT MARKER (TYPE L-1)	EA	1		
165 (F)	839521	CABLE RAILING	LF	325		
166 (F)	839527	CABLE RAILING (MODIFIED)	LF	290		
167 (F)	045351	CALIFORNIA ST-10 BRIDGE RAIL (MODIFIED WITH PEDESTRIAN RAILING)	LF	1,110		
168	840516	THERMOPLASTIC PAVEMENT MARKING (ENHANCED WET NIGHT VISIBILITY)	SQFT	1,380		
169	840525	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	LF	1,750		
170	031466	4" PERMANENT TAPE TRAFFIC STRIPE	LF	1,030		
171	031467	6" PERMANENT TAPE TRAFFIC STRIPE	LF	1,030		
172	846001	4" THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)	LF	10,300		
173	846007	6" THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)	LF	6,730		
174	846008	6" THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY) (BROKEN 8-4)	LF	410		
175	846009	8" THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)	LF	330		
176	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	440		
177	045352	COMMUNICATION CONDUIT (BRIDGE)	LF	569		
178	872130	MODIFYING EXISTING ELECTRICAL SYSTEM	LS	LUMP SUM	LUMP SUM	
179	BLANK					
180	031682	RIVER TRAFFIC COORDINATION	LS	LUMP SUM	LUMP SUM	

**BID ITEM LIST  
03-0F3104**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
181	BLANK					
182	090105	TIME RELATED OVERHEAD (LS)	LS	LUMP SUM	LUMP SUM	
183 (F)	510092	STRUCTURAL CONCRETE, HEADWALL	CY	20		
184 (F)	510094	STRUCTURAL CONCRETE, DRAINAGE INLET	CY	21		
185	032077	INSTALL ROADSIDE SIGN PANEL ON RETAINING WALL	EA	1		
186	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

**TOTAL BID**

**FOR BID ITEMS:**

**\$**

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**TOTAL BID**

**FOR TIME:**

$$\frac{\text{WORKING DAYS BID}}{\text{(Do not bid less than 270 days and not more than 380 Days)}} \times \frac{\$8,300.00}{\text{COST PER DAY}} = \$$$

**TOTAL BID FOR COMPARISON (COST PLUS TIME):**

**\$**

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