

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

OFFICE ENGINEER

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Help save water!*

November 10, 2015

04-Ala-880-2.9/27.3

04-2J0704

Project ID 0414000421

ACHSNHPI-880-1(074)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN ALAMEDA COUNTY FROM FREMONT BOULEVARD IN FREMONT TO HIGH STREET IN OAKLAND to revise the project plans, the *Notice to Bidders and Special Provisions*, the *Bid* book and the Federal Minimum Wages with Modification Number 25 dated 11/06/2015.

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 17, 2015.

Project plan sheets 1, 3, 35, 63, 66, 67, 68, 70, 79, 85, 86, 87, 116, 130, 131, 132, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 258, 360, 509, 510, 551, 552, 597, 598, 599, 600, 620, 621, 622, 624, 627, 631, 632, 639, 755, 756, 759, 763, 784, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, and 851 are replaced and attached for substitution for the like-numbered sheets.

Project plan sheets 831A and 832A are added and attached for addition to the project plans.

Project plan sheets 127, 128, 129, 133, 134, and 135 are deleted.

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

"For the Federal training program, the number of trainees or apprentices is 19."

In the Special Provisions, Section 1-1.01, in the "Bid Items and Applicable Sections" table, the following items are added:

030335	CHANNELIZER (SURFACE MOUNTED) (LS)	12
030336	TEMPORARY CRASH CUSHION MODULE (LS)	12
030337	CONCRETE BARRIER (TYPE 60G MOD 2)	83

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In the Special Provisions, Section 8-1.04C, the second paragraph is replaced as follows:

"Start job site activities within 15 days after receiving notice that the Contract has been approved by the Attorney General or the attorney appointed and authorized to represent the Department."

In the Special Provisions, Section 8-1.04C, the sixth paragraph is replaced as follows:

"You may start job site activities before the 15th day after Contract approval if you:

1. Obtain specified authorization or acceptance for each submittal before the 15th day
2. Receive authorization to start."

In the Special Provisions, Sections 8-1.10B is replaced as attached.

In the Special Provisions, Sections 12-3.07A, 12-3.15A, and 12-3.15D are added as attached.

In the Special Provisions, Section 12-4.02A, the seventh and eighth paragraphs are replaced as follows:

"The maximum length of a lane closure other than one-way reversing traffic-control lane closure is 2 miles.

Not more than 1 stationary lane closure will be allowed per Work Part as shown in each direction of travel at one time. Concurrent stationary closures in the same direction of travel must be spaced no closer than 3 miles apart.

At least one person per stationary lane closure shall be assigned to provide full time maintenance of traffic control devices for lane closure."

In the Special Provisions, Sections 15-2.02B (3) is replaced as attached.

In the Special Provisions, Section 15-2.05C is added as attached.

In the *Bid* book, in the "Bid Item List," Items 7, 10, 34, 52, 57, 60, 61, 65, 66, 81, 82, 83, 87, and 102 are replaced.

In the *Bid* book, in the "Bid Item List," Items 128, 129, 130, 131, and 132 are added.

In the *Bid* book, in the "Bid Item List," Items 79, 80, 86, and 127 are deleted.

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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, attachments and the modified wage rates are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/04/04-2J0704

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
BIJAN SARTIPI
District Director

Attachments

Add to section 8-1.10B:

Liquidated damages for not completing Work Part 1 by the 220th working day are \$12,300 per day.

Liquidated damages for not completing Work Part 2 by the 350th working day are \$12,300 per day.

Liquidated damages for not completing Work Part 3 by the 500th working day are \$12,300 per day.

CONTRACT NO. 04-2J0704

REPLACED PER ADDENDUM NO. 1 DATED NOVEMBER 10, 2015

Add to section 12-3.07A:

Submit a schedule of quantities. The quantity of channelizers (surface mounted) needed depends on your construction staging and equipment. Determine the quantity required to complete all work.

Add to section 12-3.15A:

Submit a schedule of quantities. The quantity of temporary crash cushion modules needed depends on your construction staging and equipment. Determine the quantity required to complete all work.

Replace section 12-3.15D with:

12-3.15D Payment

The Department does not pay for temporary crash cushion modules placed under section 7-1.04.

CONTRACT NO. 04-2J0704

ADDED PER ADDENDUM NO. 1 DATED NOVEMBER 10, 2015

Replace section 15-2.02B(3) with:

15-2.02B(3) Cold Planing Asphalt Concrete Pavement

15-2.02B(3)(a) General

Schedule cold planing activities to ensure that cold planing, placement of HMA, and reopening the area to traffic is completed during the same work shift

If you do not complete HMA placement before opening the area to traffic, you must:

1. Construct a temporary HMA taper to the level of the existing pavement
2. Place HMA during the next work shift
3. Submit a corrective action plan that shows you will complete cold planing and placement of HMA in the same work shift. Do not restart cold planing activities until the Engineer approves the corrective action plan.

15-2.02B(3)(b) Materials

Use the same quality of HMA for temporary tapers that is used for the HMA overlay or comply with the specifications for minor HMA in section 39.

15-2.02B(3)(c) Construction

15-2.02B(3)(c)(i) General

Do not use a heating device to soften the pavement.

The cold planing machine must be:

1. Equipped with a cutter head width that matches the planing width. If the cutter head width is wider than the cold plane area shown, submit to the Engineer a request for using a wider cutter head. Do not cold plane unless the Engineer approves your request.
2. Equipped with automatic controls for the longitudinal grade and transverse slope of the cutter head and:
 - 2.1. If a ski device is used, it must be at least 30 feet long, rigid, and a 1-piece unit. The entire length must be used in activating the sensor.
 - 2.2. If referencing from existing pavement, the cold planing machine must be controlled by a self-contained grade reference system. The system must be used at or near the centerline of the roadway. On the adjacent pass with the cold planing machine, a joint-matching shoe may be used.
3. Equipped to effectively control dust generated by the planing operation
4. Operated so that no fumes or smoke is produced.

Replace broken, missing, or worn machine teeth.

15-2.02B(3)(c)(ii) Grade Control and Surface Smoothness

Furnish, install, and maintain grade and transverse slope references.

The depth, length, width, and shape of the cut must be as shown or as ordered. The final cut must result in a neat and uniform surface. Do not damage the remaining surface.

The completed surface of the planed asphalt concrete pavement must not vary more than 0.02 foot when measured with a 12-foot straightedge parallel with the centerline. With the straightedge at right angles to the centerline, the transverse slope of the planed surface must not vary more than 0.03 foot.

Where lanes are open to traffic, the drop-off of between adjacent lanes must not be more than 0.15 foot.

15-2.02B(3)(c)(iii) Temporary HMA Tapers

If a drop-off between the existing pavement and the planed area at transverse joints cannot be avoided before opening to traffic, construct a temporary HMA taper. The HMA temporary taper must be:

1. Placed to the level of the existing pavement and tapered on a slope of 30:1 (horizontal:vertical) or flatter to the level of the planed area
2. Compacted by any method that will produce a smooth riding surface

Completely remove temporary tapers before placing permanent surfacing.

15-2.02B(3)(c)(iv) Remove Planed Material

Remove cold planed material concurrent with planing activities so that removal does not lag more than 50 feet behind the planer.

15-2.02B(3)(d) Payment

Payment for removal of pavement markers, thermoplastic traffic stripe, painted traffic stripe, and pavement marking within the area of cold planing is included in the payment for cold plane asphalt concrete pavement of the types shown in the Bid Item List.

CONTRACT NO. 04-2J0704

REPLACED PER ADDENDUM NO. 1 DATED NOVEMBER 10, 2015

Replace section 15-2.05C with:

15-2.05C Abandon Culverts and Pipelines

15-2.05C(1) General

Abandon culverts or pipelines by removing portions of the culverts or pipelines, filling the inside, and backfilling the depressions and trenches to grade. As an alternative to abandoning a culvert or pipeline, you may remove the culvert or pipeline, dispose of it, and backfill.

Notify the Engineer before abandoning a culvert or pipeline.

15-2.05C(2) Materials

Openings into existing structures that are to remain in place must be plugged with minor concrete under section 90.

15-2.05C(3) Construction

Wherever culverts or pipelines intersect side slopes, remove them to a depth of at least 3 feet. Measure the depth normal to the plane of the finished side slope. Abandon the remaining portion of the culvert or pipeline.

Culverts or pipelines that are 12 inches or more in diameter must be completely filled by authorized methods. Backfill with sand that is clean, free draining, and free from roots and other deleterious substances. As an alternative to sand, you may backfill with one of the following:

1. Controlled low-strength material under section 19-3.02F
2. Slurry cement backfill under section 19-3.02D

Ends of culverts and pipelines must be securely closed by a 6-inch-thick, tight-fitting plug or wall of commercial-quality concrete.

15-2.05C(4) Payment

If backfilling inside the culvert or pipeline is required, payment for backfilling inside the culvert or pipeline is paid for as sand backfill. Payment for backfilling outside the culvert or pipeline is included in the payment for abandon culvert or abandon pipeline.

CONTRACT NO. 04-2J0704

ADDED PER ADDENDUM NO. 1 DATED NOVEMBER 10, 2015

BID ITEM LIST
04-2J0704

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	090100	TIME-RELATED OVERHEAD (WDAY)	WDAY	570		
4	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
5	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
6	120151	TEMPORARY TRAFFIC STRIPE (TAPE)	LF	42,300		
7	030335	CHANNELIZER (SURFACE MOUNTED) (LS)	LS	LUMP SUM	LUMP SUM	
8	128652	PORTABLE CHANGEABLE MESSAGE SIGN (LS)	LS	LUMP SUM	LUMP SUM	
9	030059	TEMPORARY RAILING (TYPE K) (LS)	LS	LUMP SUM	LUMP SUM	
10	030336	TEMPORARY CRASH CUSHION MODULE (LS)	LS	LUMP SUM	LUMP SUM	
11	030060	TEMPORARY ALTERNATIVE CRASH CUSHION	LS	LUMP SUM	LUMP SUM	
12	130100	JOB SITE MANAGEMENT	LS	LUMP SUM	LUMP SUM	
13	130200	PREPARE WATER POLLUTION CONTROL PROGRAM	LS	LUMP SUM	LUMP SUM	
14	130530	TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	SQYD	4,400		
15	130620	TEMPORARY DRAINAGE INLET PROTECTION	EA	300		
16	130640	TEMPORARY FIBER ROLL	LF	1,800		
17	130650	TEMPORARY GRAVEL BAG BERM	LF	100		
18	130680	TEMPORARY SILT FENCE	LF	1,800		
19	130710	TEMPORARY CONSTRUCTION ENTRANCE	EA	5		
20	130730	STREET SWEEPING	LS	LUMP SUM	LUMP SUM	

BID ITEM LIST
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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21	030061	TEMPORARY DEWATERING AND NON-STORM WATER DISCHARGE CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
22	130900	TEMPORARY CONCRETE WASHOUT	LS	LUMP SUM	LUMP SUM	
23	141000	TEMPORARY FENCE (TYPE ESA)	LF	18,800		
24	141120	TREATED WOOD WASTE	LB	10,900		
25	148005	NOISE MONITORING	LS	LUMP SUM	LUMP SUM	
26	150661	REMOVE GUARDRAIL	LF	650		
27	150714	REMOVE THERMOPLASTIC TRAFFIC STRIPE	LF	17,400		
28	150722	REMOVE PAVEMENT MARKER	EA	13,400		
29	150742	REMOVE ROADSIDE SIGN	EA	88		
30	150755	REMOVE SIGN STRUCTURE WALKWAY (EA)	EA	1		
31	150757	REMOVE SIGN STRUCTURE (EA)	EA	9		
32	150761	REMOVE SIGN PANEL AND REMOVABLE SIGN PANEL FRAME	EA	1		
33	150771	REMOVE ASPHALT CONCRETE DIKE	LF	200		
34	150809	REMOVE CULVERT (LF)	LF	2,180		
35	152609	MODIFY INLET TO MANHOLE	EA	1		
36	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	4,680		
37	153221	REMOVE CONCRETE BARRIER	LF	117,000		
38	157561	BRIDGE REMOVAL (PORTION), LOCATION A	LS	LUMP SUM	LUMP SUM	
39	157562	BRIDGE REMOVAL (PORTION), LOCATION B	LS	LUMP SUM	LUMP SUM	
40	157563	BRIDGE REMOVAL (PORTION), LOCATION C	LS	LUMP SUM	LUMP SUM	

BID ITEM LIST
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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	157564	BRIDGE REMOVAL (PORTION), LOCATION D	LS	LUMP SUM	LUMP SUM	
42	157565	BRIDGE REMOVAL (PORTION), LOCATION E	LS	LUMP SUM	LUMP SUM	
43	157566	BRIDGE REMOVAL (PORTION), LOCATION F	LS	LUMP SUM	LUMP SUM	
44	157567	BRIDGE REMOVAL (PORTION), LOCATION G	LS	LUMP SUM	LUMP SUM	
45	157568	BRIDGE REMOVAL (PORTION), LOCATION H	LS	LUMP SUM	LUMP SUM	
46	157569	BRIDGE REMOVAL (PORTION), LOCATION I	LS	LUMP SUM	LUMP SUM	
47	157570	BRIDGE REMOVAL (PORTION), LOCATION J	LS	LUMP SUM	LUMP SUM	
48	157571	BRIDGE REMOVAL (PORTION), LOCATION K	LS	LUMP SUM	LUMP SUM	
49	157572	BRIDGE REMOVAL (PORTION), LOCATION L	LS	LUMP SUM	LUMP SUM	
50	157573	BRIDGE REMOVAL (PORTION), LOCATION M	LS	LUMP SUM	LUMP SUM	
51	170101	DEVELOP WATER SUPPLY	LS	LUMP SUM	LUMP SUM	
52	193006	STRUCTURE BACKFILL (SLURRY CEMENT)	CY	400		
53	210270	ROLLED EROSION CONTROL PRODUCT (NETTING)	SQFT	3,300		
54	210350	FIBER ROLLS	LF	1,320		
55	210600	COMPOST	SQFT	50,000		
56	390132	HOT MIX ASPHALT (TYPE A)	TON	170		
57	390137	RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	TON	4,580		
58	394074	PLACE HOT MIX ASPHALT DIKE (TYPE C)	LF	75		
59	394077	PLACE HOT MIX ASPHALT DIKE (TYPE F)	LF	130		
60	397005	TACK COAT	TON	7		

**BID ITEM LIST
04-2J0704**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	030062	24" CAST-IN-DRILLED-HOLE CONCRETE PILE (LIGHT FOUNDATION)	LF	3,690		
62	498044	36" CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	LF	110		
63	498048	48" CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	LF	980		
64	498052	60" CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	LF	1,920		
65	510501	MINOR CONCRETE	CY	190		
66 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	CY	66		
67	511055	CONCRETE SURFACE TEXTURE	SQFT	8,030		
68 (F)	550101	STRUCTURAL STEEL	LB	90,720		
69 (F)	560218	FURNISH SIGN STRUCTURE (TRUSS)	LB	200,060		
70 (F)	560219	INSTALL SIGN STRUCTURE (TRUSS)	LB	200,060		
71	562002	METAL (BARRIER MOUNTED SIGN)	LB	12,600		
72	568001	INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)	EA	55		
73	568016	INSTALL SIGN PANEL ON EXISTING FRAME	SQFT	290		
74	030063	FURNISH LAMINATED PANEL SIGN (1"-TYPE A)FOR RETROREFLECTIVE SHEETING (TYPE XI)	SQFT	3,120		
75	030064	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED) FOR RETROREFLECTIVE SHEETING (TYPE XI)	SQFT	2,710		
76	030065	RETROREFLECTIVE SHEETING (TYPE XI)	SQFT	5,820		
77	597600	PREPARE AND PAINT CONCRETE	SQFT	630		
78	597601	PREPARE AND STAIN CONCRETE	SQFT	8,030		
79	BLANK					
80	BLANK					

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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81	620100	18" ALTERNATIVE PIPE CULVERT	LF	740		
82	620120	21" ALTERNATIVE PIPE CULVERT	LF	170		
83	620140	24" ALTERNATIVE PIPE CULVERT	LF	170		
84	620715	18" ALTERNATIVE SLOTTED PIPE	LF	100		
85	665716	18" SLOTTED CORRUGATED STEEL PIPE (.064" THICK)	LF	920		
86	BLANK					
87 (F)	750001	MISCELLANEOUS IRON AND STEEL	LB	12,936		
88	030066	CONCRETE BARRIER MARKER	EA	5,310		
89	820118	GUARD RAILING DELINEATOR	EA	42		
90	820151	OBJECT MARKER (TYPE L-1)	EA	7		
91	832007	MIDWEST GUARDRAIL SYSTEM (WOOD POST)	LF	720		
92	832070	VEGETATION CONTROL (MINOR CONCRETE)	SQYD	570		
93	045132	CONCRETE BARRIER (TRANSITION)	LF	35		
94	839543	TRANSITION RAILING (TYPE WB-31)	EA	2		
95	839581	END ANCHOR ASSEMBLY (TYPE SFT)	EA	7		
96	839584	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	2		
97	839585	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	5		
98	030067	CONCRETE BARRIER (TYPE 60C MOD CHP)	LF	420		
99	030068	CONCRETE BARRIER (TYPE 60G MOD SPECIAL SIGN 1)	LF	530		
100	030069	CONCRETE BARRIER (TYPE 60 MOD CHP)	LF	56		

BID ITEM LIST
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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101	030070	CONCRETE BARRIER (TYPE 60C MOD)	LF	260		
102	030071	CONCRETE BARRIER (TYPE 60G MOD)	LF	8,030		
103	030072	CONCRETE BARRIER (TYPE 60P MOD)	LF	48		
104	839701	CONCRETE BARRIER (TYPE 60)	LF	1,240		
105	839703	CONCRETE BARRIER (TYPE 60C)	LF	1,220		
106	839706	CONCRETE BARRIER (TYPE 60G)	LF	78,300		
107	839708	CONCRETE BARRIER (TYPE 60GC)	LF	8,990		
108	839709	CONCRETE BARRIER (TYPE 60GE)	LF	9,040		
109	030073	CONCRETE BARRIER (TYPE 60GE MOD)	LF	610		
110	030074	CONCRETE BARRIER (TYPE 60G STEEL PLATE TRANSITION)	LF	370		
111	030075	CONCRETE BARRIER (TYPE 60GP)	LF	840		
112	030076	CONCRETE BARRIER (TYPE 60G STEEL PLATE CLOSURE)	LF	1,590		
113	030077	CONCRETE BARRIER (TYPE 60 MOD)	LF	260		
114	030078	CONCRETE BARRIER (TYPE 60 GCP)	LF	60		
115	030079	CONCRETE BARRIER (TYPE 60GC MOD)	LF	1,280		
116	030080	CONCRETE BARRIER (TYPE 60GE HGBR)	LF	580		
117	030081	CONCRETE BARRIER (TYPE 60SD MOD)	LF	47		
118	045133	CONCRETE BARRIER (TYPE 60GA MODIFIED)	LF	1,757		
119	045134	CONCRETE BARRIER (TYPE 60GA MODIFIED 2)	LF	50		
120	840525	4" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	LF	59,300		

BID ITEM LIST
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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121	850101	PAVEMENT MARKER (NON-REFLECTIVE)	EA	9,740		
122	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	3,530		
123	860090	MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS	LUMP SUM	LUMP SUM	
124	860460	LIGHTING AND SIGN ILLUMINATION	LS	LUMP SUM	LUMP SUM	
125	030082	TOLLING SYSTEM INFRASTRUCTURE	LS	LUMP SUM	LUMP SUM	
126	030083	TRAFFIC OPERATIONS SYSTEM	LS	LUMP SUM	LUMP SUM	
127	BLANK					
128	150204	ABANDON CULVERT (LF)	LF	330		
129	155232	SAND BACKFILL	CY	10		
130	620800 (F)	CONCRETE BACKFILL (PIPE TRENCH)	CY	60		
131	030337	CONCRETE BARRIER (TYPE 60G MOD 2)	LF	580		
132	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID:

\$
