

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

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January 9, 2013

05-SCr-17-6.0/12.6

05-OL7014

Project ID 0500020286

ACHSSTPG-P017(107)E

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN SANTA CRUZ COUNTY IN AND NEAR SCOTTS VALLEY AT VARIOUS LOCATIONS FROM SANTAS VILLAGE ROAD TO THE SANTA CLARA COUNTY LINE.

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, January 23, 2013.

This addendum is being issued to revise the Project Plans, the Notice to Bidders and Special Provisions, the Bid book, the Federal Minimum Wages with Modification Number 0 dated 01/04/2013, and provide a copy of the Information Handout.

Project Plan Sheets 2, 11, 25, 45, 46, 63, 72, 76, 80, 89, 140, 141, 206, and 263 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 47A, 47B, and 61A are added. Copies of the added sheets are attached for addition to the project plans.

In the Special Provisions, Section 5-1.10, "SUPPLEMENTAL PROJECT INFORMATION," in the Table, in the row, "Included in the Information Handout," Item 7 is added as follows:

"7. Alternative Crash Cushion System."

In the Special Provisions, Section 5-1.10, "SUPPLEMENTAL PROJECT INFORMATION," in the Table, in the row, "Available as specified in the Standard Specifications," the following cross sections are added as follows:

"Location 22 Cross Sections."

In the Special Provisions, Section 8-1.02, "STATE-FURNISHED MATERIALS," the third item in the first paragraph: "Bar reinforcing steel" is deleted.

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In the Special Provisions, Section 10-1.01, "ORDER OF WORK," the following paragraph is added after the second paragraph:

"Attention is directed to Retaining Wall Number 13, Soil Nail Wall, and Drainage System Number 17 at Location 22. Portions of the drainage system shown on Project Plan Sheets 80 Thru 85 of 284 (Drainage Details Sheets DD-3 through DD-8) are supported on anchors that are to be constructed within the soil nail wall shown on Project Plan sheets 273 and 274 of 284 (RW No. 13 Soil Nail Wall Details, and Soil Nail Details). All embedded reinforcement and anchor details needed for support of the drainage system must be incorporated in the construction of the soil nail wall shown in the structure plans."

In the Special Provisions, Section 10-1.32, "EXISTING HIGHWAY FACILITIES," after the first paragraph subsection "RECONSTRUCT PRIVATE DIRT ROAD (LOCATION 22)," is added as attached.

In the Special Provisions, Section 10-1.55, "REINFORCEMENT," is revised as attached.

In the Special Provisions, Section 10-1.74, "ALTERNATIVE CRASH CUSHION SYSTEM," is revised as attached.

In the Bid book, in the "Bid Item List," Items 48, 49, 57, 67, 96, 101 and 103 are revised, Items 134, 135, 136 and 137 are added and Item 133 is deleted as attached.

To Bid book holders:

Replace pages 5, 6, 7, 8, and 9 of the "Bid Item List" in the Bid book with the attached revised pages 5, 6, 7, 8, and 9 of the Bid Item List. The revised Bid Item List is to be used in the bid.

Attached is a copy of the Information Handout Alternative Crash Cushion Systems and Location 22 Cross Sections.

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.

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This addendum, 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/05/05-0L7014

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

RECONSTRUCT PRIVATE DIRT ROAD (LOCATION 22)

Reconstructing a portion of a private dirt road at Location 22 which was previously destroyed during a storm event shall consist of clearing and grubbing and earthwork, as detailed on the plans, and as described in these special provisions.

The construction area is located outside of and adjacent to State Right of Way. A permit to enter and construct has been acquired from the property owner for the area where construction is to occur. Construction activities shall be limited to this area. Access to the construction area must be taken from State Right of Way via the permanent drainage easement unless the Contractor, at the Contractor's option, can negotiate and secure access from the adjacent property owners.

CLEARING AND GRUBBING

Clearing and grubbing necessary for construction of the private dirt road will be paid for as Clearing and Grubbing (Private Dirt Road, Loc 22) and shall conform to the provisions in Section 16, "Clearing and Grubbing," of the Standard Specifications and these special provisions.

Pieces of corrugated metal pipe from the failed storm drain system shall be removed and disposed of offsite. Fallen trees and shrubs that present an obstruction to construction shall be moved and left on site. Larger trees or shrubs that have fallen and are obstructing construction may need to be cut into smaller pieces before being moved.

EARTHWORK

Earthwork necessary for the reconstruction of the private dirt road shall conform to the provisions in Section 19, "Earthwork," of the Standard Specifications and these special provisions.

Roadway Excavation (Private Dirt Road, Loc 22) will be measured and paid for in the same manner specified for roadway excavation in Section 19, "Earthwork," of the Standard Specifications. Imported Borrow (Private Dirt Road, Loc 22) will be measured and paid for in the same manner specified for imported borrow elsewhere in these special provisions.

10-1.55 REINFORCEMENT

Reinforcement shall conform to the provisions in Section 52, "Reinforcement," of the Standard Specifications and these special provisions.

The provisions in "Welding Quality Control" of these special provisions do not apply to resistance butt welding.

MEASUREMENT AND PAYMENT

Measurement and payment for reinforcement in structures shall conform to the provisions in Section 52-1.10, "Measurement," and Section 52-1.11, "Payment," of the Standard Specifications and these special provisions.

10-1.74 ALTERNATIVE CRASH CUSHION SYSTEM

Alternative crash cushion system shall be furnished and installed as shown on the plans and in conformance with these special provisions.

The alternative crash cushion system shall consist of one of the following or equal.

- (1) CRASH CUSHION SYSTEM (TYPE SMART SCI-100GM) - Crash cushion system (TYPE SMART SCI-100GM) shall be manufactured by SCI Products Inc., and shall include all the items detailed for crash cushion SCI-100GM system shown on the manufacturer's plans and installation instructions. The successful bidder can obtain the crash cushion system SCI-100GM from the distributor, D&M Traffic Services, 845 Reed Street, Santa Clara, CA 95050, Telephone (408)436-1127
- (2) CRASH CUSHION SYSTEM (TYPE QUADGUARD ELITE) - Quadguard Elite system shall be manufactured by Energy Absorption Systems, Inc. and shall include all items detailed for a Test Level 3, 8-bay model Quadguard Elite system shown in the manufacturer's plans and installation instructions. The 8-bay Quadguard Elite system can be obtained from the distributor, Traffic Control Service, Inc., 1881 Betmor Lane, Anaheim, CA. 92805 Telephone (800) 222-8274 or 8585 Thys Court, Sacramento, CA. 95828 Telephone (800) 884-8274.
- (3) CRASH CUSHION SYSTEM (TYPE COMPRESSOR) - Crash cushion system (TYPE COMPRESSOR) shall be manufactured by Traffix Devices Inc. and shall include all items for the Compressor crash cushion system as shown on the manufacturer's plans and installation instructions. The Compressor crash cushion system can be obtained from the distributor, Western Traffic Supply, Inc., 3942 Valley Ave Unit M, Pleasanton, CA 94566 Telephone (925) 249-1854.

Alternative crash cushions shall be of the type that can be repaired in the field.

Crash cushion shall be installed in conformance with the manufacturer's recommendations.

Concrete anchorage devices used for attaching the crash cushion to the base slab shall be limited to those which have been provided by the manufacturer.

The concrete anchor and pad, when required, shall conform to the provisions in Section 51, "Concrete Structures," and Section 52, "Reinforcement," of the Standard Specifications and these special provisions, and shall be constructed of concrete containing not less than 350 kg of cementitious material per cubic meter.

A Type P marker panel with alternating retroreflective yellow and black strips shall be attached to the front of the alternative crash cushion system. The marker panel shall be firmly fastened to the alternative crash cushion system with commercial quality hardware or by other methods approved by the Engineer. Any manufacture installed P-Marker type markings on the system shall be pointed in the correct orientation for approaching traffic.

The Contractor shall furnish the Engineer one copy of the manufacturer's plan and parts list for alternative crash cushion system to be installed.

The Contractor shall provide the Engineer with a Certificate of Compliance from the manufacturer in conformance with the provisions in Section 6-1.07, "Certificates of Compliance," of the Standard Specifications. The Certificate of Compliance shall certify that the alternative crash cushion system conforms with the contract plans, these special provisions, and the prequalified design and material requirements.

Alternative crash cushion system will be measured by the unit as determined from actual count in place in the completed work.

The contract unit price paid for alternative crash cushion system shall include full compensation for furnishing all labor, materials (including anchor bolts, nuts, washers, and marker panels), tools, equipment, and incidentals, and for doing all the work involved in furnishing and installing the crash cushions, complete in place, including all transitions to concrete barrier; structure excavation, structure backfill, concrete anchor and pad with bar reinforcing steel, and disposal of surplus material as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

BID ITEM LIST

05-0L7014

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	152438	ADJUST FRAME AND COVER TO GRADE	EA	4		
42	152443	ADJUST PIPE INLET TO GRADE	EA	2		
43	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	23,000		
44	044099	CONCRETE FINISHING	LS	LUMP SUM	LUMP SUM	
45	153221	REMOVE CONCRETE BARRIER	LF	80		
46	153230	REMOVE CONCRETE BARRIER (TYPE 50)	LF	290		
47	160102	CLEARING AND GRUBBING (LS)	LS	LUMP SUM	LUMP SUM	
48	190101	ROADWAY EXCAVATION	CY	640		
49	190105	ROADWAY EXCAVATION (TYPE Z-2) (AERIALY DEPOSITED LEAD)	CY	1,280		
50	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
51 (F)	044100	24" DRILLED HOLE	LF	5,183		
52 (F)	044101	30" DRILLED HOLE	LF	1,452		
53	190185	SHOULDER BACKING	TON	77		
54 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	CY	46		
55 (F)	192037	STRUCTURE EXCAVATION (RETAINING WALL)	CY	55		
56 (F)	192049	STRUCTURE EXCAVATION (SOLDIER PILE WALL)	CY	708		
57 (F)	192053	STRUCTURE EXCAVATION (TYPE Z-2) (AERIALY DEPOSITED LEAD)	CY	1,679		
58 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	CY	7		
59 (F)	193013	STRUCTURE BACKFILL (RETAINING WALL)	CY	20		
60 (F)	193029	STRUCTURE BACKFILL (SOLDIER PILE WALL)	CY	231		

BID ITEM LIST

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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61 (F)	193116	CONCRETE BACKFILL	CY	629		
62 (F)	193119	LEAN CONCRETE BACKFILL	CY	175		
63	194001	DITCH EXCAVATION	CY	2		
64 (F)	044102	GRADE BENCH TO FINISHED GRADE	SQYD	390		
65	198010	IMPORTED BORROW (CY)	CY	250		
66	200002	ROADSIDE CLEARING	LS	LUMP SUM	LUMP SUM	
67	203002	EROSION CONTROL (COMPOST BLANKET)	CY	210		
68	024995	LARGE SEDIMENT BARRIER	LF	7,600		
69	204010	PLANT (GROUP O)	EA	300		
70	204013	PLANT (GROUP M)	EA	150		
71	260203	CLASS 2 AGGREGATE BASE (CY)	CY	640		
72	390132	HOT MIX ASPHALT (TYPE A)	TON	550		
73	390134	HOT MIX ASPHALT (OPEN GRADED)	TON	1,770		
74	394060	DATA CORE	LS	LUMP SUM	LUMP SUM	
75	394074	PLACE HOT MIX ASPHALT DIKE (TYPE C)	LF	38		
76	394076	PLACE HOT MIX ASPHALT DIKE (TYPE E)	LF	160		
77	394077	PLACE HOT MIX ASPHALT DIKE (TYPE F)	LF	1,480		
78	394090	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)	SQYD	10		
79	397005	TACK COAT	TON	130		
80	460300	SOIL NAIL	LF	1,840		

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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81 (F)	044103	INSTALL STEEL SOLDIER PILING	EA	277		
82 (F)	490604	30" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	97		
83 (F)	499010	24" CAST-IN-DRILLED-HOLE CONCRETE PILING (RETAINING WALL)	LF	198		
84 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	CY	29		
85 (F)	510060	STRUCTURAL CONCRETE, RETAINING WALL	CY	36		
86 (F)	510072	STRUCTURAL CONCRETE, BARRIER SLAB	CY	1,476		
87 (F)	510085	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE EQ)	CY	2		
88 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	CY	10		
89 (F)	044104	MINOR CONCRETE (DRAINAGE INLET)	CY	13		
90 (F)	519081	JOINT SEAL (MR 1/2")	LF	8		
91 (F)	519102	JOINT SEAL (TYPE AL)	LF	27		
92 (F)	520102	BAR REINFORCING STEEL (BRIDGE)	LB	25,084		
93 (F)	520103	BAR REINFORCING STEEL (RETAINING WALL)	LB	12,852		
94 (F)	530100	SHOTCRETE	CY	29		
95	044105	INSTALL TIMBER LAGGING	LS	LUMP SUM	LUMP SUM	
96 (F)	575004	TIMBER LAGGING	MFBM	6		
97	044106	REPAIR COATING	LS	LUMP SUM	LUMP SUM	
98	044107	CLEAN AND PAINT STEEL SOLDIER PILING	LS	LUMP SUM	LUMP SUM	
99	620100	18" ALTERNATIVE PIPE CULVERT	LF	220		
100	620140	24" ALTERNATIVE PIPE CULVERT	LF	6		

BID ITEM LIST

05-0L7014

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101	650014	18" REINFORCED CONCRETE PIPE	LF	38		
102	665012	12" CORRUGATED STEEL PIPE (.079" THICK)	LF	2		
103	024996	18" HDPE (SDR 32.5) AP DOWNDRAIN	LF	220		
104	024997	SOIL NAIL ANCHORAGE SYSTEM	EA	2		
105	024998	EARTH ANCHORAGE SYSTEM	EA	2		
106	705204	18" CONCRETE FLARED END SECTION	EA	1		
107	705311	18" ALTERNATIVE FLARED END SECTION	EA	10		
108	705315	24" ALTERNATIVE FLARED END SECTION	EA	2		
109	721015	ROCK SLOPE PROTECTION (LIGHT, METHOD B) (CY)	CY	86		
110	721017	ROCK SLOPE PROTECTION (FACING, METHOD B) (CY)	CY	9		
111	721028	ROCK SLOPE PROTECTION (NO. 2, METHOD B) (CY)	CY	4		
112	729011	ROCK SLOPE PROTECTION FABRIC (CLASS 8)	SQYD	210		
113	750001	MISCELLANEOUS IRON AND STEEL	LB	2,750		
114 (F)	044108	MISCELLANEOUS METAL (MAINTENANCE PLATFORM)	LB	1,867		
115	832002	METAL BEAM GUARD RAILING (STEEL POST)	LF	300		
116	024999	CONCRETE BARRIER TRANSITION	LF	72		
117	839541	TRANSITION RAILING (TYPE WB)	EA	3		
118	839581	END ANCHOR ASSEMBLY (TYPE SFT)	EA	1		
119	839584	ALTERNATIVE IN-LINE TERMINAL SYSTEM	EA	1		
120	839585	ALTERNATIVE FLARED TERMINAL SYSTEM	EA	1		

BID ITEM LIST

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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121	025000	ALTERNATIVE CRASH CUSHION SYSTEM	EA	6		
122	839701	CONCRETE BARRIER (TYPE 60)	LF	260		
123 (F)	839717	CONCRETE BARRIER (TYPE 732 MODIFIED)	LF	2,898		
124	839723	CONCRETE BARRIER (TYPE 732B)	LF	2,300		
125 (F)	839727	CONCRETE BARRIER (TYPE 736 MODIFIED)	LF	760		
126	839731	CONCRETE BARRIER (TYPE 736B)	LF	330		
127	840515	THERMOPLASTIC PAVEMENT MARKING	SQFT	220		
128	840560	THERMOPLASTIC TRAFFIC STRIPE (SPRAYABLE)	LF	25,900		
129	850111	PAVEMENT MARKER (RETROREFLECTIVE)	EA	200		
130	850122	PAVEMENT MARKER (RETROREFLECTIVE-RECESSED)	EA	230		
131	860090	MAINTAINING EXISTING TRAFFIC MANAGEMENT SYSTEM ELEMENTS DURING CONSTRUCTION	LS	LUMP SUM	LUMP SUM	
132	861503	MODIFY LIGHTING	LS	LUMP SUM	LUMP SUM	
133	BLANK					
134	025201	CLEARING AND GRUBBING (PRIVATE DIRT ROAD, LOC 22)	LS	LUMP SUM	LUMP SUM	
135	025202	ROADWAY EXCAVATION (PRIVATE DIRT ROAD, LOC 22)	CY	76		
136	025203	IMPORTED BORROW (PRIVATE DIRT ROAD, LOC 22)	CY	110		
137	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID:

\$ _____