

**DEPARTMENT OF TRANSPORTATION**  
DIVISION OF ENGINEERING SERVICES  
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Be energy efficient!*

January 26, 2010

04-CC-4-37.9/41.3  
04-228594  
HPLUL-6204(087)N  
NCIPL-6204(088)N

Addendum No. 4

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN CONTRA COSTA COUNTY IN PITTSBURG AND ANTIOCH FROM 0.9 KM WEST OF LOVERIDGE ROAD OVERCROSSING TO 0.3 KM WEST OF SOMERSVILLE ROAD UNDERCROSSING.

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, February 10, 2010.

This addendum is being issued to revise the Project Plans, the Notice to Bidders and Special Provisions, the Bid book and the Federal Minimum Wages with Modification Number 45 dated 01/15/10.

Project Plan Sheets 913, 993 through 999C and 1003 through 1013 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

In the Special Provisions, Section 5-1.11, "SUPPLEMENTAL PROJECT INFORMATION," second paragraph, Item 19, "Agreement with Contra Costa Water District," is deleted.

In the Special Provisions, Section 10-1.47, "EARTHWORK," subsection, "NATURALLY OCCURRING METALS," the ninth, tenth, eleventh and twelfth paragraphs are deleted.

In the Special Provisions, Section 10-1.47, "EARTHWORK," subsections, "SETTLEMENT PERIODS AND MONITORING," "EXCAVATION BELOW BOTTOM OF RETAINING WALL FOOTING" and "PAYMENT," are added after the subsection, "NATURALLY OCCURRING METALS," as attached.

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In the Bid book, in the "Bid Item List," Item 181 is revised and Item 84 is deleted as attached.

To Bid book holders:

Replace pages 7 and 12 of the "Bid Item List" in the Bid book with the attached revised pages 7 and 12 of the Bid Item List. The revised 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, 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/04/04-228594](http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/04/04-228594)**

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,

**ORIGINAL SIGNED BY**

REBECCA D. HARNAGEL  
Chief, Office of Plans, Specifications & Estimates  
Office Engineer  
Division of Engineering Services

Attachments

## SETTLEMENT PERIODS AND MONITORING

Settlement periods are required for the bridge approach embankments at the bridges listed in the following table.

Bridge Name	Abutment Numbers	Bent Number	Surcharge Height (meters)	Settlement Period (days)
Loveridge Road Overcrossing (Replace)	1 and 4		0.0 *	120
Century Boulevard Undercrossing (Replace)	1 and 2		0.0 *	120

\* At this location, the surcharge embankment shall be constructed by extending the grading plane (GP) in the "Elevation" view of the "Bridge Embankment Surcharge" detail of Standard Plan A62B horizontally to the centerline of abutment.

For each stage of embankment construction, a minimum of two settlement devices, each consisting of a pipe riser settlement device, shall be constructed to monitor vertical movements at each embankment for which a settlement period is required in the above table. Settlement devices shall be located where embankment height is greatest, and shall be at least 3 meters from the hinge point of any descending embankment slope. For each embankment construction stage, one settlement device shall be located near where the abutment will later be constructed and the other some distance away along the direction of the structure's stationing line. Prior to constructing settlement devices at any embankment for a given stage, their locations shall be approved by the Engineer.

Settlement monitoring and settlement devices shall conform to the requirements of California Test 112 and these special provisions.

In addition to California Test 112 requirement that the distance from the tops of pipe couplings to the tops of wood platforms be measured and recorded, the elevations of the tops of wood platforms prior to the placement of any embankment material shall be established by survey accurate to within 3 millimeters and recorded.

Settlement monitoring shall be performed by survey accurate to within 3 millimeters. Initial readings shall be taken immediately after completion of embankment construction, followed by additional reading taken at intervals not exceeding one week for the next 4 weeks. Thereafter readings shall be taken at intervals not exceeding two weeks for the duration of the settlement period.

The duration of the required settlement period at each location will be determined by the Engineer. The estimated durations of the settlement periods are listed in the tables of settlement data. The Engineer may order an increase or decrease in any settlement period and may order the taking of additional settlement monitoring readings. An ordered increase or decrease in any settlement period will result in an increase or decrease in the number of contract working days if the settlement period involved is considered to be the current controlling operation in conformance with the provisions in Section 8-1.06, "Time of Completion," of the Standard Specifications. Adjustments of contract time due to increases or decreases in settlement periods will be made by contract change order.

Settlement devices shall be removed when, as approved by the Engineer, they are no longer needed.

Full compensation for settlement monitoring, including furnishing, constructing and maintaining settlement devices for the duration of settlement periods, and for removing settlement devices when no longer needed, shall be considered as included in the contract prices paid per cubic meter for the various items of earthwork involved and no additional compensation will be allowed therefor.

## **EXCAVATION BELOW BOTTOM OF RETAINING WALL FOOTING**

At the locations and to the limits shown on the plans, material below the bottom of retaining wall footings and earth retaining structure leveling pads shall be removed and replaced with Class 2 aggregate base material in conformance with the placing and compacting requirements for structure backfill. The relative compaction shall be not less than 95 percent. For retaining walls removal of the material will be measured and paid for by the cubic meter as structure excavation (retaining wall) and furnishing, placing, and compacting the replacement material will be measured and paid for by the cubic meter as structure backfill (retaining wall). For earth retaining structures, full compensation for removal of the material and furnishing, placing, and compacting the replacement material shall be considered as included in the contract price paid per square meter for earth retaining structure at the locations involved and no separate payment will be made therefor.

## **PAYMENT**

If structure excavation or structure backfill for bridges is not otherwise designated by type and payment for the structure excavation or structure backfill has not otherwise been provided for in the Standard Specifications or these special provisions, the structure excavation or structure backfill will be measured and paid for as structure excavation (bridge) or structure backfill (bridge), respectively.

**BID ITEM LIST**  
**04-228594**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81	017470	REMOVE BOLLARD	EA	4		
82	152386	RELOCATE ROADSIDE SIGN-ONE POST	EA	33		
83	152387	RELOCATE ROADSIDE SIGN-TWO POST	EA	12		
84	BLANK					
85	017471	RELOCATE CHANGEABLE MESSAGE SIGN STRUCTURE	EA	2		
86	017472	ADJUST DRAINAGE STRUCTURE	M	4		
87	152438	ADJUST FRAME AND COVER TO GRADE	EA	11		
88	152439	ADJUST FRAME AND GRATE TO GRADE	EA	1		
89	152469	ADJUST UTILITY COVER TO GRADE	EA	2		
90	017473	MODIFY SEWER MANHOLE	EA	2		
91	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	M2	22 800		
92	153210	REMOVE CONCRETE	M3	1830		
93	153229	REMOVE CONCRETE BARRIER (TYPE K)	M	1030		
94	153230	REMOVE CONCRETE BARRIER (TYPE 50)	M	1280		
95	017474	REMOVE ROCK SLOPE PROTECTION	M3	52		
96	155003	CAP INLET	EA	1		
97	017475	CAP DRAINAGE STRUCTURE	EA	4		
98	017476	REMOVE STEEL RAILING	M	64		
99	157551	BRIDGE REMOVAL, LOCATION A	LS	LUMP SUM	LUMP SUM	
100	157552	BRIDGE REMOVAL, LOCATION B	LS	LUMP SUM	LUMP SUM	

**BID ITEM LIST**  
**04-228594**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
181 (F)	511064	FRACTURED RIB TEXTURE	M2	2354		
182 (F)	518002	SOUND WALL (MASONRY BLOCK)	M2	3144		
183	017486	CONCRETE MASONRY BLOCK WALL	M2	9		
184	042263	JOINT SEAL (MR 25 MM)	M	128		
185	519125	JOINT SEAL ASSEMBLY (MR 70 MM)	M	61		
186	519144	JOINT SEAL (MR 50 MM)	M	64		
187 (F)	520102	BAR REINFORCING STEEL (BRIDGE)	KG	1 533 200		
188 (F)	520103	BAR REINFORCING STEEL (RETAINING WALL)	KG	185 572		
189 (F)	042264	BAR REINFORCING STEEL (SIGN POST SUPPORT)	KG	3400		
190	520105	BAR REINFORCING STEEL (SOUND WALL)	KG	25 200		
191 (F)	042265	BAR REINFORCING STEEL (BARRIER SLAB)	KG	173 500		
192	520107	BAR REINFORCING STEEL (BOX CULVERT)	KG	116 000		
193	017487	BAR REINFORCING STEEL (HEADWALL)	KG	23 400		
194	560205	INSTALL REMOVABLE SIGN PANEL FRAME	EA	3		
195	560206	FURNISH REMOVABLE SIGN PANEL FRAME WITH SIGN PANELS ATTACHED	KG	630		
196	560218	FURNISH SIGN STRUCTURE (TRUSS)	KG	73 300		
197	560219	INSTALL SIGN STRUCTURE (TRUSS)	KG	73 300		
198	560232	FURNISH FORMED PANEL SIGN (ROADSIDE)	M2	1		
199	560233	FURNISH FORMED PANEL SIGN (OVERHEAD)	M2	190		
200	560235	FURNISH LAMINATED PANEL SIGN (25.4 MM-TYPE B)	M2	41		