

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

May 6, 2011

05-SB,SLO-101-91.0/0.8  
05-445904  
Project ID 0500000535  
ACSTPE-Q101(175)E

Addendum No. 3

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN SANTA BARBARA AND SAN LUIS OBISPO COUNTIES IN AND NEAR SANTA MARIA FROM 0.5 NORTH OF SANTA MARIA CONNECTOR TO ROUTE 101/166 SEPARATION.

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, May 11, 2011.

This addendum is being issued to revise the Project Plans, the Bid book, and the Information Handout.

Project Plan Sheets 172 and 175 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

In the Bid book, in the "Bid Item List," Item 76 is revised as attached.

To Bid book holders:

Replace page 6 of the "Bid Item List" in the Bid book with the attached revised page 6 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 to revise Table 10 of the Pile Data Table for the Santa Maria River Bridge (Br. No 49-0111R/L) in the Foundation Report dated August 4, 2009.

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.

Addendum No. 3  
Page 2  
May 6, 2011

05-SB,SLO-101-91.0/0.8  
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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/05/05-445904](http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/05/05-445904)**

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

BID ITEM LIST  
05-445904

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	203031	EROSION CONTROL (HYDROSEED) (SQFT)	SQFT	114,000		
62	204099	PLANT ESTABLISHMENT WORK	LS	LUMP SUM	LUMP SUM	
63	208000	IRRIGATION SYSTEM	LS	LUMP SUM	LUMP SUM	
64	208310	IRRIGATION SLEEVE	LF	60		
65	260201	CLASS 2 AGGREGATE BASE	CY	15,500		
66	260210	AGGREGATE BASE (APPROACH SLAB)	CY	35		
67	390131	HOT MIX ASPHALT	TON	13,100		
68	391007	PAVING ASPHALT (BINDER, GEOSYNTHETIC PAVEMENT INTERLAYER)	TON	1.5		
69	393003	GEOSYNTHETIC PAVEMENT INTERLAYER	SQYD	16,300		
70	394060	DATA CORE	LS	LUMP SUM	LUMP SUM	
71	394076	PLACE HOT MIX ASPHALT DIKE (TYPE E)	LF	4,790		
72	394077	PLACE HOT MIX ASPHALT DIKE (TYPE F)	LF	530		
73	394090	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)	SQYD	160		
74	397005	TACK COAT	TON	5		
75	490603	24" CAST-IN-DRILLED-HOLE CONCRETE PILING	LF	95		
76	495149	FURNISH 48" CAST-IN-STEEL SHELL CONCRETE PILING	LF	13,909		
77	495150	DRIVE 48" CAST-IN-STEEL SHELL CONCRETE PILE	EA	184		
78 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	CY	4,207		
79 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	CY	12,899		
80 (F)	510086	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	CY	171		

# **INFORMATION HANDOUT**

## **MATERIALS INFORMATION**

**REVISED TABLE 10 OF FOUNDATION REPORT, DATED AUGUST 4, 2009**

**ROUTE: 05-SB/SLO-101-91.1, 0.0/0.8**

**REVISED PER ADDENDUM NO. 3 DATED MAY 6, 2011**

Mr. Gordon Danke  
August 4, 2009

*For all support location  
Recommended revised Nominal  
Resistance and specified pile  
tip elevations. 5/5/2011  
Ronald Rich*

Foundation Report  
Santa Maria River Bridge  
Br. No. 49-0111R/L  
EA 05-445901



Pile Data Table for the Santa Maria River Bridge (Br. No. 49-0111R/L).

	Pile Type	Nominal Resistance (kips)		Design Tip Elevation (ft)	Specified Tip Elevation (ft)	Nominal Driving Resistance (kips)
		Compression	Tension			
Abut. 1	CISS NPS 48 x 0.75	390	0	179 (a)	<del>179</del> 174	400
Pier 2	CISS NPS 48 x 0.75	<del>1500</del> 1290	166	<del>134</del> (a) 132 160 (b)	<del>132</del> 125	2090
Pier 3	CISS NPS 48 x 0.75	<del>1460</del> 1250	166	<del>137</del> (a) 159 (b)	<del>137</del> 124	2100
Pier 4	CISS NPS 48 x 0.75	<del>1380</del> 1180	166	<del>136</del> (a) 159 (b)	<del>136</del> 124	2200
Pier 5	CISS NPS 48 x 0.75	<del>1250</del> 1070	166	<del>137</del> (a) 158 (b)	<del>137</del> 124	1730
Pier 6	CISS NPS 48 x 0.75	<del>1500</del> 1290	166	<del>127</del> (a) 157 (b)	<del>127</del> 105	1960
Pier 7	CISS NPS 48 x 0.75	<del>1170</del> 1000	166	<del>143</del> (a) 159 (b)	<del>143</del> 125	1750
Pier 8	CISS NPS 48 x 0.75	<del>1170</del> 1000	166	<del>141</del> (a) 159 (b)	<del>141</del> 130	1640
Pier 9	CISS NPS 48 x 0.75	<del>1500</del> 1290	166	<del>132</del> (a) 157 (b)	<del>132</del> 119	1840
Pier 10	CISS NPS 48 x 0.75	<del>1170</del> 1000	166	<del>139</del> (a) 157 (b)	<del>139</del> 126	1610
Pier 11	CISS NPS 48 x 0.75	<del>1170</del> 1000	166	<del>140</del> (a) 158 (b)	<del>140</del> 129	1470
Pier 12	CISS NPS 48 x 0.75	<del>900</del> 710	166	<del>143</del> (a) 155 (b)	<del>143</del> 131	1350
Pier 13	CISS NPS 48 x 0.75	<del>900</del> 710	166	<del>134</del> (a) 159 (b)	<del>134</del> 127	1550
Pier 14	CISS NPS 48 x 0.75	<del>900</del> 710	166	<del>132</del> (a) 156 (b)	<del>132</del> 119	1350
Pier 15	CISS NPS 48 x 0.75	<del>900</del> 710	166	<del>133</del> (a) 155 (b)	<del>133</del> 119	1500
Pier 16	CISS NPS 48 x 0.75	<del>900</del> 710	166	<del>130</del> (a) 155 (b)	<del>130</del> 119	1600
Pier 17	CISS NPS 48 x 0.75	<del>900</del> 710	166	<del>132</del> (a) 158 (b)	<del>131</del> 119	1500
Pier 18	CISS NPS 48 x 0.75	<del>900</del> 710	166	<del>130</del> (a) 156 (b)	<del>130</del> 119	1420
Pier 19	CISS NPS 48 x 0.75	<del>900</del> 710	166	<del>131</del> (a) 157 (b)	<del>131</del> 119	1520
Pier 20	CISS NPS 48 x 0.75	<del>900</del> 710	166	<del>129</del> (a) 151 (b)	<del>129</del> 119	1500
Pier 21	CISS NPS 48 x 0.75	<del>900</del> 710	166	<del>128</del> (a) 154 (b)	<del>128</del> 119	1410
Pier 22	CISS NPS 48 x 0.75	<del>900</del> 710	166	<del>130</del> (a) 155 (b)	<del>130</del> 119	1500
Pier 23	CISS NPS 48 x 0.75	<del>900</del> 710	166	<del>130</del> (a) 158 (b)	<del>130</del> 120	1520
Pier 24	CISS NPS 48 x 0.75	<del>900</del> 710	166	<del>130</del> (a) 159 (b)	<del>130</del> 116	1800

**Table 10. Pile Data Table for the Santa Maria River Bridge (Br. No. 49-0111R/L).  
 (Continued)**

Pile Data Table						
Location	Pile Type	Nominal Resistance (kips)		Design Tip Elevation (ft)	Specified Tip Elevation (ft)	Nominal Driving Resistance (kips)
		Compression	Tension			
Pier 25	CISS NPS 48 x 0.75	<del>1170</del> 1000	166	<del>130</del> (a) 159 (b)	<del>130</del> 117	1420
Pier 26	CISS NPS 48 x 0.75	<del>1170</del> 1000	166	<del>132</del> (a) 155 (b)	<del>132</del> 119	1500
Pier 27	CISS NPS 48 x 0.75	<del>1170</del> 1000	166	<del>135</del> (a) 157 (b)	<del>135</del> 122	1340
Pier 28	CISS NPS 48 x 0.75	<del>1170</del> 1000	166	<del>136</del> (a) 156 (b)	<del>136</del> 123	1530
Pier 29	CISS NPS 48 x 0.75	<del>1170</del> 1000	166	<del>136</del> (a) 156 (b)	<del>136</del> 123	1530
Abut. 30	CISS NPS 48 x 0.75	390	0	<del>178</del> (a)	<del>178</del> 170	400

**Notes:**

- 1) Design tip elevations for Abutments are controlled by Compression.
- 2) Design tip elevations for Bents are controlled by: (a) Compression, and (b) Tension.
- 3) Design tip elevations for settlement are not applicable to abutment and pier supports because the existing piles are of a different type, size, length, and installation method from the proposed pile.
- 4) The specified tip elevation shall not be raised above the design tip elevations for Tension and Lateral Load.
- 5) Unsuitable penetrated soil layers (liquefiable and scourable) which do not contribute to the design resistance are present at all pier locations.

Retaining Wall Foundation at Abutment 1 Left

The following foundation recommendations are for the proposed Retaining Wall structure located at Abutment 1 Left as shown on Foundation Plan and Abutment Details No. 6 sheets dated April 14, 2009 and February 1, 2009, respectively. At these locations, it is recommended driven steel CISS NPS 24 x 0.5 piles be used to support the retaining wall. The specified pile tip elevations, shown below in Table 11 will provide piles with an ultimate geotechnical capacity that will meet the required nominal resistance in compression.

**Table 11. Pile Data Table for the new proposed Abutment 1 Left Retaining Wall (Br. No. 49-0111R/L).**

Location	Pile Type	Design Load kips	Nominal Resistance		Bottom of Footing Elevation ft	Design Pile Tip Elevation ft	Specified Pile Tip Elevation ft
			Compression kips	Tension kips			
Abutment 1 Left	CISS NPS 24 x 0.50	90	180	0	220.0 and above	176 (1)	176

Note: Design Pile Tip Elevation is controlled by the following demands: (1) Compression