

<b>NON-CONFORMANCE REPORT</b>	<b>11</b>
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<b>Location of Mat'l/Item:</b> E2 Footing West Pile 2, Plate A, Weld 1
<b>Title/Description:</b>
<b>Group:</b> E2 Foundations
<b>Superintendent:</b> Joel Dodd
<b>Foreman:</b> Scott McCoy

<b>Report of Condition/Cause of Non-Conformance:</b> On 3/19/07 after shift pre-heat on PHW E2W-2A1, went below the specified 250 degree Fahrenheit. It was found there was an electrical disconnect somewhere in the thermocouple line. Temperature dropped to 150 degree Fahrenheit at the weld 1 zone.

<b>Recommended Corrective Action:</b>			
New heater zone was ran to power heater blankets to preheat metal to the specified 250 degrees. Caltrans was notified at the start of the following day. The weld was MT inspected, documented and okayed to weld complete.			
Removed thermocouple line and corresponding 3/0 cable were taken out of service to be repaired.			
<b>Originator Signature:</b>		<b>Superintendent Signature:</b>	
<b>Date:</b>		<b>Date:</b>	

<b>Designer Comments on Corrective Action:</b>

<b>Corrective Actions Verified Complete and Inspected:</b>

<b>Reference Documents:</b>

<b>Date Closed:</b>	
<b>Signature:</b>	

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RECEIVED

**DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge Program**

333 Burma Rd.  
Oakland, CA 94607  
(510) 286-0538, (510) 286-0550 fax



Kiewit-FCI-Manson, JV  
220 Burma Rd.  
Oakland, CA 94607

Attn: Mr. Lee Zink  
Project Director

April 4, 2007

Contract No. 04-0120E4  
04-SF-80-13.4, 13.8  
SAS T1 & E2 Foundations  
SFOBB-ESSSP

Letter No. 05.003.01-003027

Subject: NCR - Kiewit-FCI-Manson, 03/20/07 (Failure to Maintain Preheat Temperature)  
Response to Submittal No. 1389, Revision No. 00 (KFM NCR 11 Preheat E2W 2A 1)

Dear Lee,

The Department issued a Non-conformance Report (NCR) at the SAS T1/E2 Foundations project site on March 20, 2007. The NCR was generated when the Contractor failed to maintain the preheat temperature as required by the Special Provisions, Section 10-1.31, Subsection "Field Welding of Pile/Sleeve Connector Plates," Line F, during welding of Pier E2 Pile Head Connection Plate (PHCP) at pile E2W-2 weld A1. There was a subsequent weld pass that had been deposited prior to the loss of preheat. Mr. Joel Dodd, KFM Superintendent, discovered the problem and notified the Department via telephone on March 20, 2007.

The Department has reviewed Kiewit-FCI-Manson (KFM) Submittal No. 1389, Revision No. 00, dated March 21, 2007, which contained KFM NCR No. 11, issued to document the same issue of the above NCR. The Department understands that the Contractor has taken corrective actions to resolve the NCR. However, please note that the Department does not find it acceptable to allow the temperature of the PHCP welds to drop below their minimum preheat temperature. Furthermore, the Contractor should continue to improve their welding procedures so that the minimum preheat temperature can be maintained continuously from beginning to completion of the entire weld in accordance with the subsection "Field Welding of Pile/Sleeve Connector Plates," found in Section 10-1.31, "Structural Steel," of the Special Provisions.

The Department considers both this NCR and KFM Submittal No. 1389 (KFM NCR No. 11) to be resolved. However, the Department reserves the right to readdress this issue with the Contractor should it reoccur in the future.

If you have any questions or need additional information, please contact Mark Vilcheck at (510) 286-0526.

Letter No. 05.003.01-003027  
Kiewit-FCI-Manson  
Page 2 of 2

Sincerely,

Mark Vilcheck  
Structure Representative

For: Pedro J. Sanchez  
Resident Engineer

cc: P. Sanchez  
M. Vilcheck  
R. Smith

file: 05.003.01, 09.006.03, 09.013, 55.1389