

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES  
MATERIALS ENGINEERING AND TESTING SERVICES

Office of Structural Materials  
Quality Assurance and Source Inspection

**Bay Area Branch**  
690 Walnut Ave., St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
FAX: (707) 649-5493



Contract #: 04-0120E4  
Cty SF Rte 80 PM 13.4/13.8  
File # 1 .25 B

**QUALITY ASSURANCE - NONCONFORMANCE REPORT**

**Location:** SAS T1/E2 Foundations

**Date:** 8-21-06

**Prime Contractor:** Kiewit/FCI/Manson-KFM-JV

**NCR #**112

**Submitting Contractor:** Kiewit/FCI/Manson-KFM-JV

**Type of problem:**

**Welding**  **Concrete**  **Other**

**Welding:**  **Curing:**  **Procedural:**  **Bridge No.** 34-0006

**Joint fit-up:**  **Coating:**  **Other:**  **Component:** Pile 5 and 6, Foundation E2 East

**Procedural:**  **Procedural:**  <<Description>>

**Description of Non-Conformance:** The KFM Quality Control Inspector was not present during the welding of the root gap blocks that attach to Piles #5 and #6 of the E2 Eastbound piles.

**Applicable reference:** Caltrans Special Provisions section 8-3.01

**Who discovered the problem:** QA Inspector, Bill Levell

**Name of individual from Contractor notified:** Kevin Carpenter, KFM QC

**Time and method of notification:** 8-18-06 14:00 hours, verbal notification in person.

**Name of Caltrans Engineer notified:** Caltrans Structure Representative, Mark Vilcheck

**Time and method of notification:** 0900 Verbal by Telephone

**QC Inspector's Name:** Kevin Carpenter

**Was the QC Inspector aware of problem:** No

**Contractor's proposal to correct the problem:** None at this time.

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**Comments:** This report is for the purpose of determining general conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Ryan Smith, (858) 232-6799,, who represents the Office of Structural Materials for your project.

Inspected By: Bill Levell

Quality Assurance Inspector

Reviewed By: Albert Carreon

Lead QA Reviewer

## Memorandum

*Flex your power!  
Be energy efficient!*

**To:** MARK VILCHECK  
Structure Representative  
333 Burma Road  
Oakland, CA 94607

**Date:** February 21, 2007  
**File:** 04-0120E4  
E2/T1 Foundations

**From:** RYAN T. SMITH  
Structural Materials Representative  
Quality Assurance and Source Inspection Branch  
Office of Structural Materials

### KFM LETTER 208 – RESPONSE TO METS NCR 112

The Materials Engineering and Testing Service (METS) has reviewed KFM Letter 208, dated October 24, 2006. This letter is requesting to close METS NCR 112 which was issued to the Contractor by State Letter 05.03.01-0001790.

In August 2006, METS documented that the Contractor's Quality Control Inspector was not present during the welding of root gap blocks on E2 Eastbound Piles #5 and #6. As stated in the Contractor's response letter, the welds were removed and examined with Magnetic Particle Testing (MT) and the subsequent welds were inspected by approved Quality Control Inspectors. METS finds this to an acceptable resolution and considers NCR 112 resolved at this time.

If you have any questions, or would like to discuss the issues, please call me at (858) 232-6799.

cc: Rafael Bolon  
Tom Shimada  
Patryk Pich  
Albert Carreon

**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

September 13, 2006

Attn: Mr. Lee Zink  
Project Director

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

Letter No. 05.003.01-001860

Subject: Response to Submittal No. 872, Revision No. 00 (Oregon Iron Works Response to NCR Generated by State Letter 1764)

Dear Lee,

The Department has reviewed Kiewit-FCI-Manson Submittal No. 872, Revision No. 00, dated September 7, 2006, which responded to the Department's Letter No. 1764 dated August 23, 2006, which notified KFM of a Non-conformance Report (NCR) for Oregon Iron Works (OIW) dated August 21, 2006. The Department hereby approves Submittal No. 872, Revision No. 00, pursuant to Section 8-3.01, "Welding," of the Special Provisions. The NCR for OIW dated August 21, 2006, is considered to be resolved.

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

Sincerely,

**<<< ORIGINAL SIGNED >>>**

Rafael Bolon  
District Representative

For: Pedro J. Sanchez  
Resident Engineer

cc: P. Sanchez  
M. Woods  
R. Smith

file: 05.003.01, 09.006.03, 55.0872