

DEPARTMENT OF TRANSPORTATIONDIVISION 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 13.4/13.8File # 1.25 B**QUALITY ASSURANCE - NONCONFORMANCE REPORT****Location:** SAS T1/E2 Foundations**Date:** 1-19-07**Prime Contractor:** Kiewit/FCI/Manson-KFM-JV**NCR #**136**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 2, Foundation E2 East**Procedural:** **Procedural:** _____

Description of Non-Conformance: The Contractor's Quality Control (QC) Inspector failed to record a rejectable indication while performing Magnetic Particle Testing (MT) of the root pass of the Pile Head Connection Plate Weld at Pile #2, Plate B, Weld 2-top in the Eastbound E2 footing box. The Quality Assurance Inspector performed Magnetic Particle Testing (MT) and discovered a relevant linear indication in the root pass of this weld and noted that KFM/ISI QC Inspector, Dave Aultman, previously accepted this weld. It should be noted that this is not the first time this QC Inspector has failed to record an indication while performing MT.

Applicable reference: AWS D1.5-2002, Section 6.26.1**Who discovered the problem:** QA Inspector, Rick Bettencourt**Name of individual from Contractor notified:** Kevin Carpenter, KFM QC**Time and method of notification:** 1-19-07 15:00 hours, via telephone.**Name of Caltrans Engineer notified:** Caltrans Structure Representative, Mark Vilcheck**Time and method of notification:** 01-19-07 at approximately 1500 hours via verbal notification**QC Inspector's Name:** Dave Aultman**Was the QC Inspector aware of problem:** No**Contractor's proposal to correct the problem:** None at this time.

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: Richard Dennis Bettencourt *Bill Hault* *Eric Rick* *Bo Bettencourt* Quality Assurance Inspector

Reviewed By: Albert Carreon

Lead QA Reviewer

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Inspected By: Richard Dennis Bettencourt

Quality Assurance Inspector

Reviewed By: Albert Carreon

Lead QA Reviewer

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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

February 27, 2007

Attn: Mr. Kevin Carpenter
Welding Quality Control Manager

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

Letter No. 05.003.01-002903

Subject: Response to Kiewit-FCI-Manson Letter No. 235 (Response to NCR, 1/19/07 (Failure to Record Rejectable Indication))

Dear Kevin,

The Department has reviewed Kiewit-FCI-Manson (KFM) Letter No. 235, dated February 7, 2007, which responded to the Department's Non-conformance Report (NCR) issued on January 19, 2007 at the SAS T1/E2 Foundations project site. The Department's Letter No. 2656, dated January 24, 2007, notified KFM of the NCR. The Department understands that the Contractor has taken preventive measures to avoid failure of recording rejectable indications in the future. The Department considers the NCR dated January 19, 2007 closed.

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

Sincerely,

Mark Woods
Senior Bridge Engineer

For: Pedro J. Sanchez
Resident Engineer

cc: P. Sanchez
M. Vilcheck
R. Smith

file: 05.003.01, 09.006.03