

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: E2East Foundation**Date:** 02-07-07**Prime Contractor:** Kiewit/FCI/Manson-KFM-JV**NCR #144****Submitting Contractor:** Kiewit/FCI/Manson-KFM-JV**Type of problem:**

Welding **Concrete** **Other**
Welding: **Curing:** **Procedural:** **Bridge No.** 34-0006 L / R
Joint fit-up: **Coating:** **Other:** **Component:** E2E foundation footing
Procedural: **Procedural:**

Description of Non-Conformance: The Contractor has modified the welding sequence being used to weld the E2 connection plates in Pile 1, 2, and 7. The welding sequence used in the noted piles was not in accordance with the approved Distortion Control Plan.

Applicable reference: KFM Welding Distortion Control Plan and AWS D1.5-2002, Section 3.4.3.

Who discovered the problem: METS Quality Assurance Inspector Rick Bettencourt and Caltrans Assistant Structures Representative, Thanh Le

Name of individual from Contractor notified: KFM Welding Superintendent, Dennis Winter

Time and method of notification: 02/07/07 at approximately 13:00 via verbal notification

Name of Caltrans Engineer notified: Saman Soheilifard, Caltrans Assistant Structure Representative

Time and method of notification: 1700 hours February 6, 2007 verbal notification

QC Inspector's Name: Kevin Carpenter

Was the QC Inspector aware of problem: No

Contractor's proposal to correct the problem: Unknown 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: Bill Levell

Quality Assurance Inspector

Reviewed By: Albert Carreon

Lead QA Reviewer

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NCR #144

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Contract # : 04-0120E4
 Cty SF Rte 80 PM 13.4/13.8
 File # 1.25A

QUALITY ASSURANCE - NONCONFORMANCE RESOLUTION

Location: SFOBB E2/T1 Foundations **Date:** 4-18-07

Prime Contractor: Kiewit/FCI/Manson-KFM-JV **NCR#** 144

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

Type of problem:

Welding	<input checked="" type="checkbox"/>	Concrete	<input type="checkbox"/>	Other	<input type="checkbox"/>
Welding:	<input type="checkbox"/>	Curing:	<input type="checkbox"/>	Procedural:	<input type="checkbox"/>
Joint fit-up:	<input type="checkbox"/>	Coating:	<input type="checkbox"/>	Other:	<input type="checkbox"/>
Procedural:	<input checked="" type="checkbox"/>	Procedural:	<input type="checkbox"/>		

Bridge No . 34-0006L/R

Component E2E Foundation Footing

Date nonconformance report was written: 02-07-07

Description of Non-Conformance: The Contractor has modified the welding sequence being used to weld the E2 connection plates in Pile 1, 2, and 7. The welding sequence used in the noted piles was not in accordance with the approved Distortion Control Plan.

Contractor’s proposal to correct the problem: Re-submit a welding sequence and distortion control plan that reflects the weld sequence that was used to weld the pile head connection plates.

Corrective action taken: The contractor has re-submitted a welding sequence and distortion control plan that reflects the weld sequence that was used.

Did corrective action require Engineer’s approval? Yes No

If so, name of the Engineer providing approval: N/A **Date:** N/A

Is Engineer’s approval attached: Yes No Contractors revised Distortion Control Plan was submitted to Caltrans for review and approved.

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 *Bill Levell* Quality Assurance Inspector

Reviewed By: Ryan Smith *[Signature]* Structural Material Representative (SMR)

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

March 20, 2008

Attn: Mr. Rich Bienek
Welding Quality Control Manager

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

Letter No. 05.003.01-003890

Subject: Response to KFM Letter No. 243 (Response to Caltrans NCR Letter 2838)

Dear Rich,

The Department has received Kiewit-FCI-Manson (KFM) Letter No. 243, dated February 15, 2007, which responded to the Department's Letter No. 2838, dated February 9, 2007. Letter No. 2838 notified KFM of the Department's Non-conformance Report (NCR) issued on February 7, 2007, regarding the welding sequence used for welding the Pier E2 pile head connection plates was not in accordance with the approved Distortion Control Plan. The Department understands that The Contractor has revised their Distortion Control Plan to encompass the sequence used to weld the Pier E2 connection plates. The Department considers the NCR issued on February 7, 2007, to be resolved.

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

Sincerely,

Mark Vilcheck
Structure Representative

For: Pedro J. Sanchez
Resident Engineer

cc: P. Sanchez
M. Woods
R. Smith

file: 05.003.01, 09.006.03