

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:** 02-28-07**Prime Contractor:** Kiewit/FCI/Manson-KFM-JV**NCR #150****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 Contractors Quality Control Inspector was not present during the in-process welding of pile head connection plate weld 4H2.

At approximately 1340 hours the KFM welding foreman, Mr. Scott McCoy, informed the QA Inspector the Contractor wanted to stay late and add subsequent weld layers to pile head connection plate weld 4H2. Mr. McCoy was informed that the QA Inspector would stay late to accommodate the Contractor's schedule. During that time it was discovered that the QC Inspector was not present and had left the jobsite prior to the Contractor proceeding with the welding.

Applicable reference: Caltrans Special Provisions 8-3.01**Who discovered the problem:** QA Inspector Mike Foerder**Name of individual from Contractor notified:** KFM Superintendent, Dennis Winter**Time and method of notification:** 02/28/07 at approximately 1700 verbally**Name of Caltrans Engineer notified:** Mark Baker, Caltrans Assistant Structure Representative**Time and method of notification:** 1800 hours February 23, 2007 via telephone notification**QC Inspector's Name:** KFM QC, Mark Bartholomew**Was the QC Inspector aware of problem:** No**Contractor's proposal to correct the problem:**

Unknown

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: Mike Foerder *Bill Levell FOIR MIKE FOERDER*

Quality Assurance Inspector

Reviewed By: Bill Levell *[Signature]*

Lead QA Reviewer

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QUALITY ASSURANCE - NONCONFORMANCE REPORT

Location: E2East Foundation

Date: 02-28-07

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

NCR #150

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:**

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Name of Caltrans Engineer notified: Mark Baker, Caltrans Assistant Structure Representative

Time and method of notification: 1800 hours February 23, 2007 via telephone notification

QC Inspector's Name: KFM QC, Mark Bartholomew

Was the QC Inspector aware of problem: No

Contractor's proposal to correct the problem:

Unknown

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RECEIVED

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Inspected By: Mike Foerder

Quality Assurance Inspector

Reviewed By: Bill Levell

Lead QA Reviewer

QUALITY ASSURANCE - NONCONFORMANCE REPORT

(Continued, Page 2 of 2)

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Hardcopy Routing Instructions:

1. Resident Engineer

2. Inspecting Branch Contract File

3. Responsible Branch Contract File (with supporting documentation)

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Contract # : 04-0120E4

Cty SF Rte 80 PM 13.4/13.8File # 1.25A**QUALITY ASSURANCE - NONCONFORMANCE RESOLUTION****Location:** SFOBB Jobsite**Date:** April 2, 2007**Prime Contractor:** Kiewit/FCI/Manson (KFM) – Joint Venture**NCR #** 150**Submitting Contractor:** Kiewit/FCI/Manson (KFM) – Joint Venture**Type of problem:****Welding** **Concrete** **Other** **Welding:** **Curing:** **Procedural:** **Joint fit-up:** **Coating:** **Other:** **Procedural:** **Procedural:** **Bridge No.** 34-0006L/R**Component** E2 Foundation Footing**Date nonconformance report was written:** February 28, 2007**Description of Non-Conformance:** The Contractor's Quality Control (QC) Inspector was not present during the in process welding of pile head connection plate 4H2.**Contractor's proposal to correct the problem:** The QC Inspector checked welding parameters prior to his departure. In addition, the Contractor has agreed that this is not acceptable and has indicated they will ensure that QC Inspectors are present until welding operations have been completed for the day.**Corrective action taken:** The QC Inspector checked welding parameters prior to his departure, however, the Contractor has agreed that this is not an acceptable practice and has indicated that they will ensure QC Inspectors are present until welding operations have completed for the day.**Did corrective action require Engineer's approval?** Yes No**If so, name of the Engineer providing approval:** Structural Materials Representative (SMR) **Date:** 4-2-07
Ryan Smith, in accordance with response to KFM Letter 255.**Is Engineer's approval attached:** Yes No**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: Ryan Smith

Structural Materials Representative (SMR)

Memorandum

*Flex your power!
Be energy efficient!*

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

Date: April 2, 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 255 – RESPONSE TO METS NONCONFORMANCE REPORT (NCR) 150

The Materials Engineering and Testing Service (METS) has reviewed KFM Letter 255 dated March 22, 2007. This letter is requesting to close the METS NCR which was issued to the Contractor by State Letter's 05.03.01-0002938.

In February 2007, METS documented that none of the Contractor's Quality Control Inspectors were present during the welding of pile head connection plate weld 4H2. METS inspectors were present to verify the welding parameters were within the allowable ranges of the Welding Procedure Specification; however, the Quality Control Inspector's are required to be present to perform these inspections.

As stated in the KFM Letter 252, the Contractor understands that the parameters were checked by the Quality Control Inspector prior to his departure from the jobsite. However, the Contractor has agreed this is not an acceptable practice and has indicated they will ensure QC Inspectors are present until welding operations have completed for the day. METS believes this will not be a systemic issue in the future and considers NCR 150 to be 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
Albert Carreon