

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

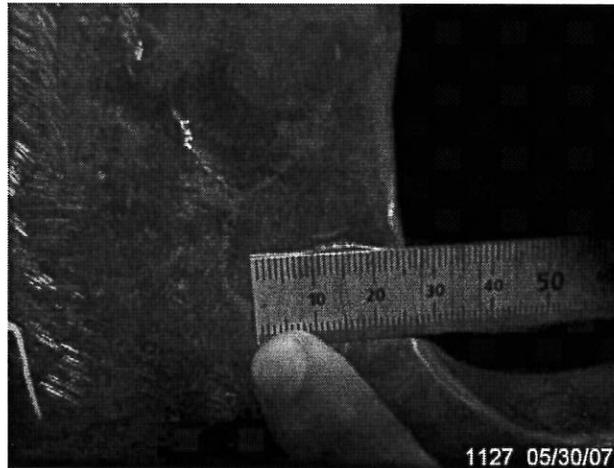


Contract # : 04-0120E4
 Cty SF Rte 80 PM 13.4/13.8
 File # 1.25 B

QUALITY ASSURANCE - NONCONFORMANCE REPORT

Location: E2W Pile Head Connection Plates (PHCP) 4D-2**Date:** 05-30-07**Prime Contractor:** Kiewit/FCI/Manson-KFM-JV**NCR #170****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:** E2W foundation footing**Procedural:** **Procedural:**

Description of Non-Conformance: The ISI Quality Control Inspector Andrew Coffman overlooked a transverse linear indication on the weld cover on 4D-2 bottom. The Quality Assurance Inspector discovered the indication while performing magnetic particle testing review, the indication was measured to be 9mm in length. The following digital photograph is an illustration of the indication discussed above.

**Applicable reference:** AWS D1.5 2002 Section 6.26.2.1 and 6.26.2.3**Who discovered the problem:** Quality Assurance Inspector, Raymond Lara**Name of individual from Contractor notified:** KFM, QC Inspector Terry Hipes and QCM Kevin Carpenter**Time and method of notification:** 05/30/07 at approximately 1130 via verbal notification.**Name of Caltrans Engineer notified:** Mark Vilcheck, Structure Representative**Time and method of notification:** 06/06/07 at approximately 1230 hours via verbal notification**QC Inspector's Name:** QC Andrew Coffman**Was the QC Inspector aware of problem:** No**Contractor's proposal to correct the problem:** Removed indications by grinding.

TL-15, Nonconformance Report (11/01/06)

Page 1 of 2

Hardcopy Routing Instructions:

1. Resident Engineer

2. Inspecting Branch Contract File

3. Responsible Branch Contract File (with supporting documentation)

QUALITY ASSURANCE - NONCONFORMANCE REPORT

(Continued, Page 2 of 2)

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: Raymond Lara 

Quality Assurance Inspector

Reviewed By: Albert Carreon / Bill Levell 

Lead QA Reviewer

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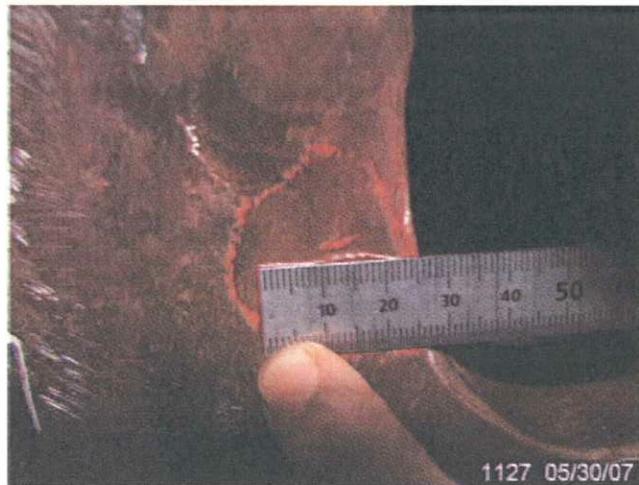


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Inspected By: Raymond Lara

Quality Assurance Inspector

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Lead QA Reviewer

Memorandum

*Flex your power!
Be energy efficient!*

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

Date: July 25, 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 275 – RESPONSE TO METS NONCONFORMANCE REPORT (NCR) 170

The Materials Engineering and Testing Service (METS) has reviewed KFM Letter 275 dated June 25, 2007. This letter is requesting to close the METS NCR which was issued to the Contractor by State Letter's 05.03.01-0003190.

In May 2007, METS documented that one of the Contractor's Quality Control (QC) Inspector's had failed to record a relevant indication using Magnetic Particle Testing (MT). As stated in the Contractor's response, this was a relevant indication that should have been recorded by the QC Inspector; however, the Inspector was covering too many operations and overlooked the indication.

However, the Contractor has stated they agree this is not beneficial for the project and has taken steps to resolve the issue in the future. Notably the technician's workload was reduced and the MT inspection is being spot checked by a Lead Inspector to ensure the inspection are being done properly. Additionally, all technicians were counseled and received additionally training on MT procedures and techniques. METS considers NCR 170 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