

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 13.4,14.8
File # 1.28**QUALITY ASSURANCE - NONCONFORMANCE REPORT****Location:** SFOBB E2/T1 Foundations**Date:** 05-02-2007**Prime Contractor:** Keiwit, FCI, Manson, (KFM)- Joint Venture**NCR #163****Submitting Contractor:** KFM**Type of problem:****Welding** **Concrete** **Other** **Welding:** **Curing:** **Procedural:** **Bridge No.** 34-0006**Joint fit-up:** **Coating:** **Other:** **Component:** T1-Foundation**Procedural:** **Procedural:** **Description of Non-Conformance:** The Contractor was welding the 85mm thick floor decking to the T1 pile cap without achieving the required minimum preheat temperature of 110 Celsius (225F). This issue was happened on two different occasions; after the inspector had been informed by the Quality Assurance Inspector.**Applicable reference:** AWS D1.1 – 2002; Sections 6.1.5 and 6.5.4.**Who discovered the problem:** OSM Quality Assurance (QA) Inspector, Mike Garcia**Name of individual from Contractor notified:** Quality Control (QC) Inspector, Barry Drake**Time and method of notification:** 0830 hours on 05/02/07 via verbal notification**Name of Caltrans Engineer notified:** Caltrans Assistant Structure Representative, Saman Soheilifard**Time and method of notification:** April 8, 2007 at approximately 0900 hours via verbal notification**QC Inspector's Name:** Barry Drake**Was the QC Inspector aware of problem:** No**Contractor's proposal to correct the problem:** No corrective action was proposed 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: Mike Garcia *Bill Hull FOR MIKE GARCIA*

Quality Assurance Inspector

Reviewed By: Albert Carreon *[Signature]*

Lead QA Reviewer

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Inspected By: Mike Garcia

Quality Assurance Inspector

Reviewed By: Albert Carreon

Lead QA Reviewer

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QUALITY ASSURANCE - NONCONFORMANCE REPORT

Location: SFOBB E2/T1 Foundations

Date: 05-02-2007

Prime Contractor: Keiwit, FCI, Manson, (KFM)- Joint Venture

NCR #163_ Revised

Submitting Contractor: KFM

Type of problem:

Welding **Concrete** **Other**
Welding: **Curing:** **Procedural:** **Bridge No.** 34-0006
Joint fit-up: **Coating:** **Other:** **Component:** T1-Foundation
Procedural: **Procedural:**

Description of Non-Conformance: The Contractor was welding the 85mm thick floor decking to the T1 pile cap without achieving the required minimum preheat temperature of 110 Celsius (225F). This issue occurred twice after the inspector had been informed by the Quality Assurance Inspector.

Applicable reference: AWS D1.1 – 2002; Sections 6.1.5 and 6.5.4.

Who discovered the problem: OSM Quality Assurance (QA) Inspector, Mike Garcia

Name of individual from Contractor notified: Quality Control (QC) Inspector, Barry Drake

Time and method of notification: 0830 hours on 05/02/07 via verbal notification

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

Time and method of notification: May 8, 2007 at approximately 0900 hours via verbal notification

QC Inspector's Name: Barry Drake

Was the QC Inspector aware of problem: No

Contractor's proposal to correct the problem: No corrective action was proposed 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: Mike Garcia

Quality Assurance Inspector

Reviewed By: Albert Carreon

Lead QA Reviewer

006790 MAY 11 07
RECEIVED

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 274 – RESPONSE TO METS NCR’S 163

The Materials Engineering and Testing Service (METS) has reviewed KFM Letter 274 dated June 25, 2007. This letter is requesting to close METS NCR’s 163 which was issued to the Contractor by State Letter 05.03.01-0003130.

In May 2007, METS documented that the Contractor’s Quality Control Inspector allowed welding to the 85mm thick floor decking of the T1 pile cap without the required minimum preheat temperature of 110-degrees Celsius (225-degrees Fahrenheit). In this instance, the occurred multiple times after the inspector had been informed by the Department’s Quality Assurance Inspector.

As discussed verbally with the Contractor’s QC Manager, both the welder and the QC Inspector were verbally counseled regarding the monitoring of preheat and METS inspectors have noted no further instances of the issue since that time. METS considers NCR 163 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