

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 # 13.25B

QUALITY ASSURANCE - NONCONFORMANCE REPORT

Location: Vancouver, WA.

Date: 3/01/2006

Prime Contractor: Kiewit, FCI & Manson (KFM) Joint Venture

NCR #058

Submitting Contractor: Oregon Iron Works (OIW)

Type of problem:

| | | | | | |
|----------------------|-------------------------------------|--------------------|--------------------------|--------------------|--------------------------|
| Welding | <input checked="" type="checkbox"/> | Concrete | <input type="checkbox"/> | Other | <input type="checkbox"/> |
| Welding: | <input checked="" 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 type="checkbox"/> | Procedural: | <input type="checkbox"/> | | |

Bridge No.: #34-0006

Component: # E2

Description of Non-Conformance: Oregon Iron Works Welders William Patrick, welder identification P-27 and Jared Green, welder identification G-23 were performing welding with insufficient preheat on the South Pod Assembly -Girder 161-3 to Pile Sleeve 302-1 and Girder 151-6 to Pile Sleeve 302-1. Welders P-27 and G-23 preheat temperatures were measured under 200° Fahrenheit.

Applicable reference: AWS D1.5-2002, Sec.4.2, Contract 04-012024 Special Provisions Section 8.3

Who discovered the problem: Quality Assurance Inspector Joe Adame

Name of individual from Contractor notified: Quality Control Inspector Don Cox

Time and method of notification: In person at 0900.

Name of Caltrans Engineer notified: Mark Vilcheck, Structure Representative

Time and method of notification: 03/03/06 at approximately 1600 hours via email

QC Inspector's Name: Quality Control Inspector Don Cox

Was the QC Inspector aware of problem: Yes

Contractor's proposal to correct the problem: No corrective proposal has been submitted 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.

003178 MAR-06 RECEIVED

Inspected By: Joe Adame

Quality Assurance Inspector

Reviewed By: Dave McClary

Lead QA Inspector

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

August 7, 2006

Attn: Mr. Christopher Villa
Deputy Project Director

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

Letter No. 05.003.01-001670

Subject: Response to Submittal No. 723, Revision No. 00 (OIW Response to NCR Issued by State Letter 898)

Dear Christopher,

The Department has reviewed Kiewit-FCI-Manson Submittal No. 723, Revision No. 00, dated July 17, 2006. This Submittal responded to the Department's Letter No. 898 dated March 8, 2006, which notified KFM of a Non-conformance Report (NCR) dated March 3, 2006, at Oregon Iron Works (OIW) in Vancouver, Washington, for welding by OIW welders with insufficient preheat. The Department hereby approves Submittal No. 723, Revision No. 00, pursuant to Section 8-3.01, "Welding," of the Special Provisions. The NCR for OIW dated March 3, 2006, is considered to be resolved. However, the Department will continue to monitor OIW Quality Control's attention towards maintaining preheat and inter-pass temperature and will re-evaluate the issue if problems reoccur.

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

Sincerely,

<<< ORIGINAL SIGNED >>>

Mark Vilcheck
Structure Representative

For: Pedro J. Sanchez
Resident Engineer

cc: P. Sanchez
M. Woods
R. Smith

file: 05.003.01, 09.006.03, 55.723

Memorandum

*Flex your power!
Be energy efficient!*

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

Date: August 3, 2006
File: 04-0120E4
E2/T1 Foundations

From: RYAN T. SMITH
Structural Materials Representative
Quality Assurance and Source Inspection Branch
Office of Structural Materials

KFM SUBMITTAL 723-00 – OREGON IRON WORKS (OIW) RESPONSE TO CALTRANS NONCONFORMANCE REPORT (NCR) NO. 058

The Department issued State Letter 05.003.01-0000898, dated March 8, 2006, requesting the Contractor's proposal to avoid future issues regarding insufficient preheat by OIW welders.

The Materials Engineering Testing Service (METS) has reviewed KFM Submittal 723-00 (response to OSM NCR 058) dated July 17, 2006. As stated in the OIW letter dated July 6, 2006, OIW has counseled all welders working on the project regarding the importance of maintaining proper preheat and interpass temperature during welding operations.

METS finds the response to NCR 058 to be acceptable and considers the NCR to be resolved at this time. However, the Contractor should be advised that METS will continue to monitor the Quality Control Inspector's attention towards maintaining preheat and interpass temperature and will re-elevate the issue if it continues to reoccur.

If you have any questions or concerns regarding this issue, please call me at (858) 232-6799.

cc: Rafael Bolon
Tom Shimada
David McClary