

**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

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**QUALITY ASSURANCE - NONCONFORMANCE REPORT**


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Location: Vancouver, WA.

Date: 3/28/2006

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

Submitting Contractor: Oregon Iron Works (OIW)

**Type of problem:**

**Welding**  **Concrete**  **Other**   
**Welding:**  **Curing:**  **Procedural:**   
**Joint fit-up:**  **Coating:**  **Other:**   
**Procedural:**  **Procedural:**

Bridge No.: #34-0006

Component: # E2

**Description of Non-Conformance:** Oregon Iron Works Quality Control allowed Oregon Iron Works new hire Welder Darren Delozier welder identification D-25 to perform welding on this project without certification and being submitted and approved by the Engineer. This was performed on day shift of 3-28-06. The welder was performing flux core arc welding in the vertical position on a complete joint penetration weld. Location of the welding was at SA2, Pile Sleeve 303-1 to Girder 161-4 web plate.

**Applicable reference:** AWS D1.5-2002, Sec.5.21, 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 Russ Lynch**Time and method of notification:** In person at 1400**Name of Caltrans Engineer notified:** Mark Vilcheck, Structure Representative**Time and method of notification:** March 29, 2006 at approximately 1300 hours via email**QC Inspector's Name:** Quality Control Inspector Russ Lynch**Was the QC Inspector aware of problem:** No**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.

Inspected By: Joe Adame

Quality Assurance Inspector

Reviewed By: Dave McClary

Lead QA Inspector

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

May 24, 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. 05.003.01-001247

Subject: Response to Submittal No. 541, Revision No. 00 (Oregon Iron Works Response to NCR Issued by STL-974)

Dear Christopher,

The Department has reviewed Kiewit-FCI-Manson Submittal No. 541, Revision No. 00, dated May 4, 2006. This Submittal responded to the Department's Letter No. 974 dated April 3, 2006, which notified KFM of a Non-conformance Report (NCR) for welding by an unapproved welder at Oregon Iron Works (OIW) dated March 28, 2006. The Department hereby approves Submittal No. 541, Revision Nos. 00, pursuant to Section 8-3.01, "Welding," of the Special Provisions. The NCR for OIW dated March 28, 2006, is considered to be resolved.

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, 55.541

## Memorandum

*Flex your power!  
Be energy efficient!*

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

**Date:** May 23, 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 541-00 – OREGON IRON WORKS (OIW) RESPONSE TO CALTRANS NONCONFORMANCE REPORT (NCR) NO. 067

The Department issued State Letter 05.003.01-000974, dated March 28, 2006, requesting the Contractor's proposal to alleviate future issues regarding the use of welders prior to the approval by the Engineer.

The Office of Structural Materials (OSM) has reviewed KFM Submittal 541-00 (response to OSM NCR 067) dated May 4, 2006. The letter from OIW, dated April 27, 2006, indicates that Mr. Darren Delozier was qualified to perform flux cored arc welding (FCAW) in the 1G, 2G, and 3G positions prior to welding on Pile Sleeve 303-1 and web plate 161-4. However, the Contractor had not submitted Mr. Delozier's qualification records before allowing him to weld on the project.

As indicated in the subject submittal and through multiple conversations during the weekly fabrication meetings, the Contractor and Fabricator have advised the Department that they understand the requirement to obtain approval by the Engineer prior to allowing welders to work on the project. Additionally, the Contractor has indicated that they will ensure updated Welder Rosters have been submitted in a timely manner to alleviate future occurrences of this issue. OSM finds the response to NCR 067 to be acceptable and considers the NCR to be resolved at this time.

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

cc: Rafael Bolon  
Tom Shimada  
David McClary