

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 # **13.25 B**

QUALITY ASSURANCE - NONCONFORMANCE REPORT

Location: **Building 48 (OIW Shop)**

Date: **10/19/2005**

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

NCR 17

Submitting Contractor: **Oregon Iron Works**

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 checked="" type="checkbox"/>	Procedural:	<input type="checkbox"/>		

Description of Non-Conformance: QA observed welder Dave Metz, ID M54, performing tack welds in the overhead (OH) position on the top flange to web joint of Interior Transverse Girder Assembly G-121-2, Weld Joint WJ-P1, using the Flux Cored Arc Welding (FCAW) process. The welder does not currently hold a qualification for the position of the tack welding.

Applicable reference: AWS D1.5 Bridge Welding Code, Section 5.21 General Requirements and Section 5.22.4

Who discovered the problem: OSM QA Inspector James Bowers

Name of individual from Contractor notified: OIW QC Inspector Dave Cox

Time and method of notification: 10/19/2005 @ 2200 hours via verbal notification

Name of Caltrans Engineer notified: Mark Woods, Senior Structure Representative

Time and method of notification: October 20, 2005 at 1700 hours via email and voicemail

QC Inspector's Name: Dave Cox

Was the QC Inspector aware of problem: yes

Contractor's proposal to correct the problem:

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.

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 002663 DEC 12 2005

Inspected By: James S. Bowers

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. 05.003.01-001248

Subject: Response to Submittal No. 512, Revision No. 00 (Oregon Iron Works Response to NCR Issued by State Letter 807)

Dear Christopher,

The Department has reviewed Kiewit-FCI-Manson Submittal No. 512, Revision No. 00, dated April 27, 2006. This Submittal responded to the Department's Letter No. 807 dated February 13, 2006, which notified KFM of a Non-conformance Report (NCR) for an unqualified welder performing overhead tack welds at Oregon Iron Works (OIW) dated October 19, 2005. The Department hereby approves Submittal No. 512, Revision Nos. 00, pursuant to Section 8-3.01, "Welding," of the Special Provisions. The NCR for OIW dated October 19, 2005, 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, 55.512



"Ryan Smith"
<rsmithlaw@worldnet.
att.net>

05/23/2006 04:47 PM

To: "Mark Vilcheck" <mark_vilcheck@dot.ca.gov>
cc: "Rafael Bolon" <rafael_bolon@dot.ca.gov>, "Tom Shimada"
<tom_shimada@dot.ca.gov>, "SFOBB-E2-T1 Contract Dist04"
<SFOBB-E2-T1_Contract_Dist04@dot.ca.gov>, "Reba Torres"
<reba_torres@dot.ca.gov>, "Laraine Woo"
<laraine_woo@dot.ca.gov>, "Pedro Sanchez "
<pedro_sanchez@dot.ca.gov>, "David McClary"
<Dmccrarylaw@att.net>, "mark wright"
<mwrightlaw@worldnet.att.net>
Subject: RE: 04-0120E4, KFM Sub. No.512, Rev. No. 00

Mark,

Please find the attached memo regarding OSM's response to KFM SUB 512-00 (OIW NCR 017 Response). If you have any questions regarding our comments, please feel free to contact me.

RYAN T. SMITH
Structural Materials Representative
Caltrans Office of Structural Materials
Mobile: 858-232-6799
Fax: 707-552-7758/ 916-227-7117
rsmithlaw@worldnet.att.com

-----Original Message-----

From: Mark Vilcheck [mailto:mark_vilcheck@dot.ca.gov]
Sent: Monday, May 01, 2006 1:56 PM
To: rsmithlaw@att.net
Cc: Mark Vilcheck; Mark Woods; Tom Shimada; ppichlaw@att.net
Subject: 04-0120E4, KFM Sub. No.512, Rev. No. 00

Ryan --

KFM SUB No. 512-R00 for your review. This Submittal consists of an OIW response to an NCR issued by STL No. 807.

(See attached file: KFME2T1_SUB-00512.pdf)

Mark Vilcheck, P.E.
Structure Representative
04-0120E4 - T1/E2 SAS Marine Foundations
Office: 510-286-0526
Mobile: 510-772-9038
FAX: 510-286-0550



04-0120E4 Memo SUB 512-00 Review 05-23-06

004110 JUN-86

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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 512-00 – OREGON IRON WORKS (OIW) RESPONSE TO CALTRANS NONCONFORMANCE REPORT (NCR) NO. 017

The Department issued State Letter 05.003.01-000807, dated February 13, 2006, requesting verification that the tack welds performed by unqualified welder Dave Metz on the web to flange joint, No. WJ-P1, of the Interior Transverse Girder Assembly No. G121-2 were removed prior to continuation of the fabrication.

The Office of Structural Materials (OSM) has reviewed KFM Submittal 512-00 (response to OSM NCR 017) dated April 27, 2006. The letter from OIW, dated April 25, 2006, indicates that the Quality Control and Production Departments have been counseled regarding the requirements for using unapproved welders including tack welding with the flux cored arc welding process.

The subject submittal contains verification that the tack welds deposited by Mr. Metz were removed prior to continued fabrication. Additionally, the submittal contains the magnetic particle testing (MT) reports indicating the repaired areas were clear from defects. OSM finds the response to NCR 017 to be acceptable and considers the NCR to be resolved.

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

cc: Rafael Bolon
Tom Shimada
David McClary