

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: 12/06/2005

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

NCR #28

Submitting Contractor: Oregon Iron Works (OIW)

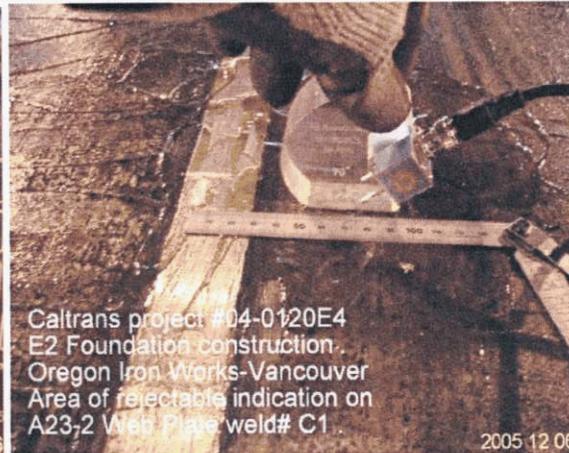
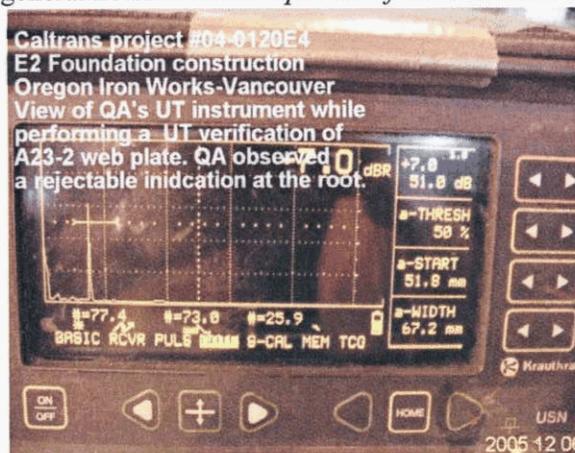
Type of problem:

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

Bridge No.: #34-0006

Component: # E2

Description of Non-Conformance: Oregon Iron Works Quality Control Inspector Troy Zuercher failed to properly record a rejectable indication on A23-2 web plate weld # C1. Caltrans Quality Assurance Inspector Joe Adame observed a rejectable Class "A" indication during a random verification of a 100% QC inspected weld. The Quality Control Inspector did not take into account the -4 decibel requirement for double groove weld joints as described in Table 6.3 general notes. *Attached pictures from this observation.*



Applicable reference: AWS D1.5-2002, Sec.6.26.3.1, 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: 12/08/05 at 0830 via email

QC Inspector's Name: Russ Lynch

Was the QC Inspector aware of problem: No

002650 DEC-8 50 RECEIVED

QUALITY ASSURANCE - NONCONFORMANCE REPORT

(Continued, Page 2 of 2)

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

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. 05.003.01-001250

Subject: Response to Submittal No. 510, Revision No. 00 (Oregon Iron Works Response to NCR Issued by State Letter 809)

Dear Christopher,

The Department has reviewed Kiewit-FCI-Manson Submittal No. 510, Revision No. 00, dated April 27, 2006. This Submittal responded to the Department's Letter No. 809 dated February 13, 2006, which notified KFM of a Non-conformance Report (NCR) for QC's failure to record rejectable indications at Oregon Iron Works (OIW) dated December 6, 2005. The Department hereby approves Submittal No. 510, Revision Nos. 00, pursuant to Section 8-3.01, "Welding," of the Special Provisions. The NCR for OIW dated December 6, 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, 55.510



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

05/23/2006 04:37 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.510, Rev. No. 00

Mark,

Please find the attached memo regarding OSM's response to KFM SUB 510-00 (OIW NCR 028 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 1:53 PM
To: rsmithlaw@att.net
Cc: Mark Vilcheck; Mark Woods; Tom Shimada; ppichlaw@att.net
Subject: 04-0120E4, KFM Sub. No.510, Rev. No. 00

Ryan --

KFM SUB No. 510-R00 for your review. This Submittal consists of an OIW response to a STL regarding an NCR.

(See attached file: KFME2T1_SUB-00510.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 510-00 Review 05-23-06

RECEIVED
004108 JUN-88

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 510-00 – OREGON IRON WORKS (OIW) RESPONSE TO CALTRANS NONCONFORMANCE REPORT (NCR) NO. 028

The Department issued State Letter 05.003.01-000809, dated February 13, 2006, requesting the Contractor's proposal to alleviate future issues regarding the Quality Control Inspector's failing to record rejectable indications due to improper calibration of equipment.

The Office of Structural Materials (OSM) has reviewed KFM Submittal 510-00 (response to OSM NCR 028) dated April 27, 2006. The letter from OIW, dated April 25, 2006, indicates that the Quality Control Inspectors have been counseled regarding calibration procedures and the requirements for calibrating the ultrasonic testing equipment on an IIW calibration block.

Additionally, the submittal indicates that the areas examined by Mr. Troy Zuercher on piece A23-2, web plate C-1, were reexamined to verify no rejectable defects were missed due to the error. OSM finds the response to NCR 028 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