

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, 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 16

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 Justin Clark, ID C37, performing tack welds in the overhead (OH) position on the top flange to web joint of Interior Transverse Girder Assembly G-121-2, using the Flux Cored Arc Welding (FCAW) process. The welder does not currently hold a qualification for the process or the position of the tack welding.

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

Who discovered the problem: OSM QA Inspector James Bowers**Name of individual from Contractor notified:** OIW QC Inspector Dave LaRue**Time and method of notification:** 10/19/2005 @ 0400 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 LaRue**Was the QC Inspector aware of problem:** yes**Contractor's proposal to correct the problem:** No 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: James S. Bowers

Quality Assurance Inspector

Reviewed By: Dave McClary

Lead QA Inspector

TL-15, Nonconformance Report (10/12/05)

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Hardcopy Routing Instructions:

1. Resident Engineer

2. Inspecting Branch Contract File

3. Responsible Branch Contract File (with supporting documentation)

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QUALITY ASSURANCE - NONCONFORMANCE REPORT

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Hardcopy Routing Instructions:

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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

Attn: Mr. Christopher Villa
Deputy Project Director

December 9, 2005

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

Letter No. 05.003.01-000640

Subject: NCR - Oregon Iron Works, 10/19/2005 (Unqualified Welder Performing Overhead Tack Welds)

Dear Christopher,

The Department issued a Non-conformance Report (NCR), dated October 19, 2005, at the Vancouver, Washington facility of Oregon Iron Works, Inc. (OIW). The NCR was generated when QA observed that an unqualified welding operator, Mr. Justin Clark (ID C37), performed tack welds in the overhead position on the top flange-to-web joint of Interior Transverse Girder Assembly No. G121-2, using the flux-cored arc welding process. It is the Department's understanding from discussions with KFM and OIW of December 1, 2005, and others that the tack welds performed by Mr. Clark were removed from the work and that Mr. Clark is no longer employed by OIW. This NCR is considered resolved.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Mark Vilcheck".

Mark Vilcheck
Structure Representative

For: Pedro J. Sanchez
Resident Engineer

cc: P. Sanchez
M. Woods
R. Smith

file: 05.003.01, 09.006.03