

**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: 11/04/2005

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

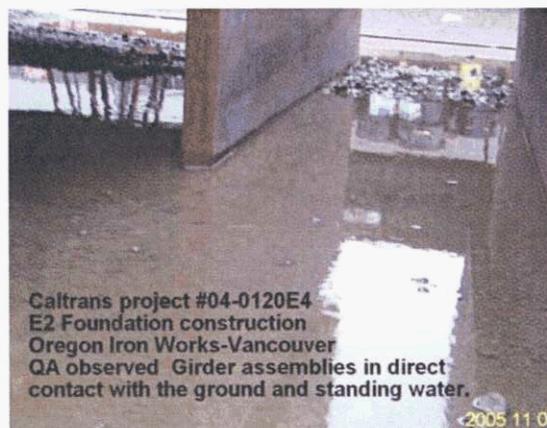
NCR 21

Submitting Contractor: Oregon Iron Works (OIW)

**Type of problem:**

<b>Welding</b>	<input type="checkbox"/>	<b>Concrete</b>	<input type="checkbox"/>	<b>Other</b>	<input checked="" type="checkbox"/>	
<b>Welding:</b>	<input type="checkbox"/>	<b>Curing:</b>	<input type="checkbox"/>	<b>Procedural:</b>	<input checked="" type="checkbox"/>	<b>Bridge No.:</b> #34-0006
<b>Joint fit-up:</b>	<input type="checkbox"/>	<b>Coating:</b>	<input checked="" type="checkbox"/>	<b>Other:</b>	<input checked="" type="checkbox"/>	<b>Component:</b> # E2
<b>Procedural:</b>	<input type="checkbox"/>	<b>Procedural:</b>	<input type="checkbox"/>	<u>Material Storage</u>		

**Description of Non-Conformance:** OIW is storing completed Girder assemblies in direct contact with the ground and standing water. As defined in the Standard Specifications: "Material to be stored shall be placed above the ground upon platforms, skids, or other supports, and shall be kept free from dirt, grease, and other foreign material and properly drained and protected from corrosion". QA observed this discrepancy at OIW-Vancouver storage yard, behind Main building #48. Quality Control Manager (QCM) Mike Houston informed QA that he would address this situation with OIW production. **Attached pictures from this observation.**



002568 NOV 16 59

RECEIVED

**Applicable reference:** 1999 Standard Specifications section 55-1.04**Who discovered the problem:** QA Joe Adame**Name of individual from Contractor notified:** Quality Control (QC) Inspector Russ Lynch, QCM Mike Houston**Time and method of notification:** In person at 0830 with the QC Inspector. Phone call at 0900 with the QCM.**Name of Caltrans Engineer notified:** Mark Woods, Senior Structure Representative**Time and method of notification:** 1530 hours, November 7, 2005 via email**QC Inspector's Name:** Russ Lynch

---

---

## QUALITY ASSURANCE - NONCONFORMANCE REPORT

*(Continued, Page 2 of 2)*

---

---

**Was the QC Inspector aware of problem:** NO

**Contractor's proposal to correct the problem:** Mr. Houston informed QA that OIW production is unable to address the item in Non-conformance 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

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 RESOLUTION

Location: Vancouver, WA.

Date: 11/10/2005

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

NCR 21

Submitting Contractor: Oregon Iron Works (OIW)

Type of problem:

Welding [ ] Concrete [ ] Other [x]
Welding: [ ] Curing: [ ] Procedural: [x]
Joint fit-up: [ ] Coating: [ ] Other: [x] Material storage
Procedural: [ ] Procedural: [ ]
Bridge No.: #34-0006 Component: # E2

Date nonconformance report was written: 11/04/05

Description of Non-Conformance: OIW was storing completed Girder assemblies in direct contact with the ground and standing water. As defined in the Standard Specifications: "Material to be stored shall be placed above the ground upon platforms, skids, or other supports, and shall be kept free from dirt, grease, and other foreign material and properly drained and protected from corrosion". QA observed this discrepancy at OIW-Vancouver storage yard, behind Main building #48.

Contractor's proposal to correct the problem: Store material in compliance with the 1999 Standard Specifications section 55-1.04

Corrective action taken: Non-conforming material was placed on metal supports off the ground.

Did corrective action require Engineer's approval? [ ] Yes [x] No

If so, name of the Engineer providing approval:

Date:

Is Engineer's approval attached: [ ] Yes [x] No Non-conforming conditions corrected.

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

002568 NOV 15 05 RECEIVED

**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

November 16, 2005

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

Letter No. 05.003.01-000576

Subject: NCR - Oregon Iron Works, 11/04/05 (Improper Material Storage)

Dear Christopher,

The Department issued the following Non-conformance Report (NCR) on November 4, 2005, at the Oregon Iron Works (OIW) facility in Vancouver, Washington. QA observed that completed girder assemblies at OIW's storage yard behind Building No. 48 were being stored in direct contact with the ground and standing water, contrary to the requirements of Section 55-1.04, "Shipping, Handling and Storing Materials," of the Standard Specifications. Mr. Mike Houston (QCM) was contacted and he informed QA that this NCR would be addressed with OIW production staff. The completed girder assemblies have been placed on metal supports off the ground. This NCR is considered 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