

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
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Contract #: **04-0120E4**
 Cty **SF** Rte **80** PM **8.3.**
 File # **20.25 B**

QUALITY ASSURANCE - NONCONFORMANCE REPORT

Location: **Trans Bay Steel - 1025 Kaiser Road Napa, CA**Date: **Mon. 01-16-2006**Prime Contractor: **Kiewit, FCI, Manson, (KFM) Joint Venture**

NCR #38

Submitting Contractor: **Trans Bay Steel****Type of problem:**

Welding	<input checked="" type="checkbox"/>	Concrete	<input type="checkbox"/>	Other	<input type="checkbox"/>	
Welding:	<input type="checkbox"/>	Curing:	<input type="checkbox"/>	Procedural:	<input type="checkbox"/>	Bridge No.: # 34-0006
Joint fit-up:	<input type="checkbox"/>	Coating:	<input type="checkbox"/>	Other:	<input type="checkbox"/>	Component: # E2 Steel Casing S53
Procedural:	<input checked="" type="checkbox"/>	Procedural:	<input type="checkbox"/>			

Description of Non-Conformance: A welder that has not been approved for welding on the project was observed continuously welding on the Grout Beads on Permanent Steel Casing S53 between the hours of 1600 and 2400 hours on this date. Welder William Nichols, ID WN 6995, does not appear on any of the current documents available to the Quality Assurance Department indicating that said welder has been approved for welding in the position and with the process (FCAW) being performed. The QA Inspector was able to verify that the welder had previously completed a welder qualification test per the provisions of the AWS D1.1, 2002 Structural Welding Code and per the Special Provisions for the contract, but it does not appear that the documentation for this individual has been submitted for approval as specified.

Applicable reference: AWS D1.1-2002 Structural Welding Code and the Contract Special Provisions**Who discovered the problem:** OSM Quality Assurance Inspector James S. Bowers**Name of individual from Contractor notified:** Chuck Patrick**Time and method of notification:** Monday 01-16-2006 - verbal notification at 1830 hours**Name of Caltrans Engineer notified:** Mark Vilcheck, Structure Representative**Time and method of notification:** 01/17/06 at 1100 hours, notified in person via SMR, Ryan Smith**QC Inspector's Name:** Chuck Patrick**Was the QC Inspector aware of problem:** No**Contractor's proposal to correct the problem:** none 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: Robert Mertz

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

April 4, 2006

Attn: Mr. Chris Webb
Welding Quality Control Manager

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

Letter No. 05.003.01-000983

Subject: NCR - Trans Bay Steel, 01/16/06 (Unapproved Welder Performing FCAW)

Dear Christopher,

The Department issued a Non-conformance Report (NCR) at Trans Bay Steel, Inc., on January 16, 2006. The NCR was generated when QA observed Mr. Bill Nichols, EMP welder, using the flux cored arc-welding (FCAW) process to weld grout beads in the overhead position on part No. S-53. Mr. Nichols was not approved by the Engineer to perform welding in this position using this process.

The qualification of Mr. Nichols was provided in KFM Submittal No. 358, Revision No. 01, dated March 9, 2006, which was approved by the Department's Letter No. 929 dated March 21, 2006. This NCR is considered by the Department to be resolved.

Please provide an explanation of what steps shall be taken by the Contractor to avoid the use of unapproved welders in future production work.

If you have any questions or need additional information, please call 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