

**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 **13.4, 13.8**  
 File # **20.25 B**

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## QUALITY ASSURANCE - NONCONFORMANCE REPORT

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Location: **Trans Bay Steel, Napa, CA.**Date: **04-08-2006 Saturday**Prime Contractor: **Kiewit, FCI, Manson, (KFM) Joint Venture NCR #072**Submitting Contractor: **Trans Bay Steel****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 type="checkbox"/>	<b>Bridge No.:</b> 34-0006
<b>Joint fit-up:</b>	<input type="checkbox"/>	<b>Coating:</b>	<input type="checkbox"/>	<b>Other:</b>	<input checked="" type="checkbox"/>	<b>Component:</b> #CISS Pile E2-13 bottom, seg. s-50
<b>Procedural:</b>	<input type="checkbox"/>	<b>Procedural:</b>	<input type="checkbox"/>	<u>Non Destructive Testing (MT)</u>		

**Description of Non-Conformance:** The Quality Assurance inspector observed the Quality Control inspector John Page performing magnetic particle testing (MT) of pile interior grout bead welds at 1100 hours. Mr. John Page has not been approved as an Level II MT Technician for this project. The areas examined appear to be piece mark pile E2-13 bottom segment s-50 interior grout beads for approximately 25% of each grout bead length.

**Applicable reference:** Contract Special Provisions, Section 8-3.01 Welding and AWS D1.1-2002, Section 6.11, NDT

**Who discovered the problem:** Joe Lanz (QA)

**Name of individual from Contractor notified:** Bill Kroplin, TBS QCM

**Time and method of notification:** Verbally on this date in the afternoon at approximately 1300 hours.

**Name of Caltrans Engineer notified:** Mark Vilcheck, Structure Representative

**Time and method of notification:** April 10, 2006, via email notification

**QC Inspector's Name:** John Page

**Was the QC Inspector aware of problem:** Yes

**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: Joe Lanz

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 3, 2007

Attn: Mr. Kevin Carpenter  
Welding Quality Control Manager

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

Letter No. 05.003.01-003018

Subject: Closing of Resolved Piling Fabrication NCRs

Dear Kevin,

Two non-conformances related to fabrication of piling for Pier T1 and Pier E2 are listed below, including their status.

- NCR dated January 21, 2006 (Unqualified Welder Performing Grout Beads): Kiewit-FCI-Manson (KFM) Submittal 932, Revision No. 00, which provided the welder qualifications, is hereby approved. As there is no further fabrication work on piling to be performed, future non-conformances of this nature are no longer a concern. This NCR is considered to be resolved.
- NCR dated April 8, 2006 (Unapproved QC Technician Performing MT): KFM Submittal No. 589, Revision No. 01, which provided the certifying authority of 3D UT, was "approved-as-noted" by the Department's Letter No. 1607, dated July 27, 2006. This NCR is considered to be resolved.

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

Sincerely,

Mark Vilcheck  
Structure Representative

For: Pedro J. Sanchez  
Resident Engineer

cc: P. Sanchez  
M. Woods  
R. Smith

file: 05.003.01, 09.006.03, 55.0589, 55.0932