

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 # 20.25 B

QUALITY ASSURANCE - NONCONFORMANCE REPORT

Location: Trans Bay Steel, Napa, CA.**Date:** 11-08-2006**Prime Contractor:** Kiewit, FCI, Manson, (KFM) Joint Venture**NCR #126****Submitting Contractor:** Trans Bay Steel**Type of problem:**

Welding **Concrete** **Other**
Welding: **Curing:** **Procedural:** **Bridge No.** 34-0006
Joint fit-up: **Coating:** **Other:** **Component:** Pile Casing T1-7
Procedural: **Procedural:** **NDT**

Description of Non-Conformance: Trans Bay Steel Quality Control Ultrasonic Testing (UT) Inspector, Mr. Berchel White, failed to record a rejectable indication on the complete joint penetration (CJP) girth seam weld GS-12 in Pile Casing T1-7. METS inspectors have documented this is not the first occurrence of Mr. White accepting welds containing nonconforming areas.

Applicable reference: Trans Bay Steel Welding Quality Control Plan, NDT Procedure No. TBSC UT-1, AWS D1.1-2002 Section 6.13.1 and UT Acceptance-Rejection Criteria Table 6.2, and Special Provisions Section 8-3.01 Welding.

Who discovered the problem: Quality Assurance Inspector, Mike Garcia

Name of individual from Contractor notified: TBS Quality Control Manager, Bill Kroplin.

Time and method of notification: 11-08-06, 11:15, verbally

Name of Caltrans Engineer notified: Mark Vilcheck, Structure Representative

Time and method of notification: November 13, 2006 at approximately 1615 hours via email notification

QC Inspector's Name: Berchel White

Was the QC Inspector aware of problem: No

Contractor's proposal to correct the problem: Rescan area with a different UT Levell II Inspector in order to bring the material back in to conformance with the contract specifications.

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: Mike Garcia

Quality Assurance Inspector

Reviewed By: James Cochran

Lead QA Reviewer

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Memorandum

*Flex your power!
Be energy efficient!*

To: MARK VILCHECK
Structure Representative
333 Burma Road
Oakland, CA 94607

Date: March 14, 2007
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 1350-00 FOR TRANS BAY STEEL (TBS) RESPONSE TO NCR

The Materials Engineering and Testing Service (METS) has reviewed the KFM Submittal 1350-00, requesting to close Nonconformance Report (NCR) 126, regarding a Quality Control Ultrasonic Testing (UT) Technician who failed to record a rejectable indicaton.

The Department issued NCR 126 on November 11, 2006 in order to document an Mr. Berchel White's failure to record a rejectable indication on the CJP girth seam weld GS-12 in Pile Casing T1-7. As indicated in the TBS letter dated February 16, 2007, the girth seam weld was reexamined by an approved Ultrasonic Testing (UT) Technician with an approved UT procedure. METS considers NCR 126 to be resolved.

It should also be noted that this was not the first occurrence of this issue regarding Mr. White's insufficient technique. This should not be new to the Contractor since all of the issues were discussed in detail with the Contractor in order to prevent delays in shipment. Any schedule delays or cost impacts resulting from the performance of this inspector should be considered purely the concern of the Contractor.

If you have any questions, or would like to discuss the issues, please call me at (858) 232-6799.

cc: Rafael Bolon
Tom Shimada
Jim Cochran