

**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 (TBS), Napa Ca.

Date: 01-12-06

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

NCR #35

Submitting Contractor: TBS

**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>Joint fit-up:</b>	<input type="checkbox"/>	<b>Coating:</b>	<input type="checkbox"/>	<b>Other:</b>	<input checked="" type="checkbox"/>
<b>Procedural:</b>	<input type="checkbox"/>	<b>Procedural:</b>	<input type="checkbox"/>		

Performing NDT (UT) without RE approval.

Bridge No.: 34-0006

Component: Cast in Steel Shell Casings

**Description of Non-Conformance:** The sub-contracted NDT company (3D UT) performing UT is not listed in the approved WQCP. Additionally, the Quality Control (QC) ultrasonic testing (UT) technicians are performing UT without an approved UT procedure or technicians.

**Applicable reference:** AWS D1.1, 2002, Section 6 and the Special Provisions**Who discovered the problem:** Robert Mertz, METS QA Inspector**Name of individual from Contractor notified:** Bill Kroplin, TBS QC Manager, & Chris Web, KFM QCM**Time and method of notification:** 01-12-05, 1100 hours, verbal**Name of Caltrans Engineer notified:** Mark Vilcheck, Structure Representative**Time and method of notification:** January 13, 2006 at 1530 hours via email**QC Inspector's Name:** Bill Kroplin & NDT technicians: Ramsay Bell and Steve Pacheco**Was the QC Inspector aware of problem:** Yes**Contractor's proposal to correct the problem:** Submit the NDT company's Written Practice, UT procedure, NDT certifications, and forms to be used as a WQCP addendum for TBS.**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: Robert Mertz

Quality Assurance Inspector

TL-15, Nonconformance Report (10/27/05)

Page 1 of 2

*Hardcopy Routing Instructions:*

1. Resident Engineer

2. Inspecting Branch Contract File

3. Responsible Branch Contract File (with supporting documentation)

002835 JAN 13 06

RECEIVED

---

---

# QUALITY ASSURANCE - NONCONFORMANCE REPORT

*(Continued, Page 2 of 2)*

---

---

Reviewed By: Aaron Franklin

Lead QA Inspector

RECEIVED  
002835 JAN 13 2009

*Hardcopy Routing Instructions:*

1. Resident Engineer

2. Inspecting Branch Contract File

3. Responsible Branch Contract File (with supporting documentation)

**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. Chris Webb

February 8, 2006

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

Letter No. 05.003.01-000777

Subject: NCR - Trans Bay Steel, 01/16/06 (Unapproved NDT Firm - 3D UT)

Dear Christopher,

The Department issued the following Non-Conformance Report (NCR) at Trans Bay Steel, Inc., on January 12, 2006. The NCR was generated when QA observed that the sub-contracted NDT company (3D UT) that was performing UT was not listed in the approved WQCP. In addition, Quality Control (QC) ultrasonic testing (UT) technicians were performing UT without an approved UT procedure or technicians. Mr. Bill Kroplin, TBS QCM, and Mr. Chris Webb, KFM QCM, were notified verbally of this non-conformance on January 12, 2006.

The Department reviewed the 3D UT Welding Quality Control Plan and UT and MT Procedures as KFM Submittal No. 261, Revision No. 01, which was approved by the Department's Letter No. 741 dated January 26, 2006. 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