

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING 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  
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.25B**QUALITY ASSURANCE -- NON-CONFORMANCE REPORT****Location:** Job Site**Report No:** NCR-000940**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 17-Nov-2010**Submitting Contractor:** American Bridge/Fluor Enterprises, a JV**NCR #:** ABF-0011**Type of problem:**

|                     |                   |                     |   |
|---------------------|-------------------|---------------------|---|
| <b>Welding</b>      | <b>Concrete</b>   | <b>Other</b>        |   |
| <b>Welding</b>      | <b>Curing</b>     | <b>Procedural</b>   | <b>Bridge No:</b> 34-0006                       |
| <b>Joint fit-up</b> | <b>Coating</b>    | <b>Other</b>        | <b>Component:</b> 7W/8W-A Transverse Field Weld |
| <b>Procedural</b>   | <b>Procedural</b> | <b>Description:</b> | OBG SEG Splice 7W/8W-A1                         |

**Reference Description:** UT - Indications**Description of Non-Conformance:**

The QA inspector discovered one (1) Class "A" rejectable longitudinal linear indication in the OBG SEG Splice 7W/8W-A1 weld which the contractor failed to identify. This weld has been previously tested by QC and accepted by the contractor.

NOTE: This Incident Report documents the third instance in which the QAI has discovered a Class A reject while performing QA Verification UT behind QC Inspector. The previous instances where indications were missed by the QAI occurred on 8/26/10 for OBG SEG Splice 5E/6E B1 and on 10/11/10 at the access penetration insert weld E1-PP10.5-E2S.

**Applicable reference:**

1. AWS D1.5-02 Section 6.6.2 "The Contractor shall be responsible for visual inspection and NDT described in 6.7 and necessary correction of all deficiencies in materials and workmanship in conformance with the requirements of Clause 3 and 6.26 and as specified elsewhere in the contract documents."

2. AWS D1.5-02 Section 6.26.3.1 "Welds that are subject to UT in addition to visual inspection shall be acceptable if they meet the following requirements:

(1) Welds subject to tensile stress under any condition of loading shall conform to the requirements of Table 6.3.

**Who discovered the problem:** Bert Madison**Name of individual from Contractor notified:** Leonard Cross**Time and method of notification:** 11:00 verbal**Name of Caltrans Engineer notified:** Caltrans Assistant Structures Rep; Paul Jefferson**Time and method of notification:** 12:20 PM by telephone**QC Inspector's Name:** Leonard Cross**Was QC Inspector aware of the problem:**

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# QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

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Yes No

**Contractor's proposal to correct the problem:**

Unknown

**Comments:**

This report is for the purpose of determining 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 Patrick Lowry, 916-227-5719, who represents the Office of Structural Materials for your project.

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**Inspected By:** Mahjoub,Nina

**Reviewed By:** Lowry,Patrick

SMR



DEPARTMENT OF TRANSPORTATION

Tel: Fax:

NON-CONFORMANCE REPORT TRANSMITTAL

**To:** AMERICAN BRIDGE/FLUOR, A JV  
375 BURMA ROAD  
OAKLAND CA 95607  
**Date:** 28-Dec-2010  
**Contract No:** 04-0120F4  
04-SF-80-13.2 / 13.9  
**Dear:** Mr. Charles Kanapicki  
**Attention:** Mr. James Bowers  
**Job Name:** SAS Superstructure  
**Subject:** NCR No. ABF-0011  
**Document No:** 05.03.06-000914  
**Reference Description:** UT - Indications

The Attached Non-Conformance Report describes an occurrence where the contractor did not comply with a requirement of the contract document as indicated below:

- Material or Workmanship not in conformance with contract documents.
- Quality Control (QC) not performed in conformance with contract documents.
- Recurring QC issue that constitutes a systematic problem in quality control.
- Non-Conformance Resolved.

**Remarks:**

**Material Location:** OBG SEG Splice 7W/8W-A1      **Lift:** 7W/8W

The QA inspector discovered one (1) Class "A" rejectable longitudinal linear indication in the OBG SEG Splice 7W/8W-A1 weld, which the contractor failed to identify. This weld has been previously tested by QC and accepted by the contractor.

**Action Required and/or Action Taken:**

Propose a resolution for the identified non-conformance with revised procedures to prevent future occurrences. A response for the resolution of this issue is expected within 7 days.

**Transmitted By:**

**Attachments:** ABF-0011

**cc:** Peter Siegenthaler, Stanley Ku, Bill Casey

**File:** 05.03.06, 09.001.0015

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: xx.25A**QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION****Location:** Job Site**Report No:** NCS-000946**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:****Submitting Contractor:** American Bridge/Fluor Enterprises, a JV**NCR #:** ABF-0011**Type of problem:**

|                     |                   |                    |                           |
|---------------------|-------------------|--------------------|---------------------------|
| <b>Welding</b>      | <b>Concrete</b>   | <b>Other</b>       |                           |
| <b>Welding</b>      | <b>Curing</b>     | <b>Procedural</b>  | <b>Bridge No:</b> 34-0006 |
| <b>Joint fit-up</b> | <b>Coating</b>    | <b>Other</b>       | <b>Component:</b>         |
| <b>Procedural</b>   | <b>Procedural</b> | <b>Descriptor:</b> |                           |

**Date the Non-Conformance Report was written:** 17-Nov-2010**Description of Non-Conformance:**

The QA inspector discovered one (1) Class "A" rejectable longitudinal linear indication in the OBG SEG Splice 7W/8W-A1. This weld has been previously tested by QC and accepted by the contractor.

**Contractor's proposal to correct the problem:**

The Contractor elected to retest the weld and determine if the indication is acceptable.

**Corrective action taken:**

The indication has been repaired, retested, and accepted by QC and QA.

**Did corrective action require Engineer's approval?** Yes No**If so, name of Engineer providing approval:****Date:****Is Engineer's approval attached?** Yes No**Comments:**

This report is for the purpose of determining 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 Nina Choy (510) 385-5910, who represents the Office of Structural Materials for your project.

**Inspected By:** Levell, Bill

Quality Assurance Inspector

**Reviewed By:** Choy, Nina

QA Reviewer