

**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 #: 04-0120L4Cty: SF/ALA Rte: 80 PM: 1.6/2.7File #: 1.25B**QUALITY ASSURANCE -- NON-CONFORMANCE REPORT****Location:** Job site**Report No:** NCR-000061**Prime Contractor:** MCM Construction, Inc.**Date:** 31-Mar-2008**Submitting Contractor:** MCM Construction, Inc.**NCR #:** NCR-000061**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> Shear Ring
<b>Procedural</b>	<b>Procedural</b>	<b>Description:</b> QC acceptance of non standard joint configuration.	

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

The QA Inspector observed the contractor's QC Inspector, had previously accepted the fit up of the shear ring located at E-18L-5 weld #1. The root opening was observed to be up to approximately 15mm in width over an area of approximately 500mm in length. The QC Inspector had indicated the acceptance of the weld joint by a distinguishing mark adjacent to the weld "fit up ok".

**Applicable reference:**

AWS D1.1-06 figure 3.4 (TC-U4a-GF).

**Who discovered the problem:** Caltrans QA Inspector Rick Bettencourt**Name of individual from Contractor notified:** MCM Welding Superintendent Chris Smith**Time and method of notification:** 1430 via phone conversation**Name of Caltrans Engineer notified:** Caltrans Assistant Structures Representative Mark Baker**Time and method of notification:** 1400 in person**QC Inspector's Name:** Kevin Scrivner**Was QC Inspector aware of the problem:** 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 Mohammad Fatemi, who represents the Office of Structural Materials for your project.

**Inspected By:** Bettencourt, Rick**Reviewed By:** Levell, Bill

QA

**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 #: 04-0120L4Cty: SF/ALA Rte: 80 PM: 1.6/2.7File #: xx.25A**QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION****Location:** Job site**Report No:** NCS-000074**Prime Contractor:** MCM Construction, Inc.**Date:** 28-May-2008**Submitting Contractor:** MCM Construction, Inc.**NCR #:** NCR-000061**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:** 31-Mar-2008**Description of Non-Conformance:**

The QA Inspector observed the contractor's QC Inspector, had previously accepted the fit up of the shear ring located at E-18L-5 weld #1. The root opening was observed to be up to approximately 15mm in width over an area of approximately 500mm in length. The QC Inspector had indicated the acceptance of the weld joint by a distinguishing mark adjacent to the weld "fit up ok".

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

The backing bar will be adjusted in order to close the root opening to acceptable tolerances. The area will be re-inspected.

**Corrective action taken:**

The backing bar was adjusted in order to close the root opening to acceptable tolerances. The area was re-inspected and accepted by the QC Inspector.

**Did corrective action require Engineer's approval?** Yes No**If so, name of Engineer providing approval:****Date:****Is Engineer's approval attached?** Yes No Reference MCM-SUB-000540 rev.1 and Caltrans State Letter # 05.**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 Mohammad Fatemi, (916) 813-3677, who represents the Office of Structural Materials for your project.

**Inspected By:** Levell, Bill

Quality Assurance Inspector

**Reviewed By:** Fatemi, Mohammad

QA Reviewer