

**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 #: 78.25B**QUALITY ASSURANCE -- NON-CONFORMANCE REPORT****Location:** Birmingham, AL**Report No:** NCR-000001**Prime Contractor:** MCM Construction, Inc.**Date:** 29-Oct-2007**Submitting Contractor:** Steward Machine Co.**NCR #:** NCR-000001**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 Rings
<b>Procedural</b>	<b>Procedural</b>	<b>Description:</b>	

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

Shear Rings 9730-3-1 (E20L) #20 of 24, 9730-3-1 (E20L) #22 of 24, 9730-3-1 (E20L) #23 of 24 and 9730-3-1 (E21L) #1 of 26 welds are being terminated in violation of AWS D1.1-2006 paragraph 5.31.1. The fabricator initially used weld tabs to terminate welds, but has switched to block off weld dams potentially resulting in unsound weld terminations.

**Applicable reference:**

D1.1-2006 Section 5.31.1

**Who discovered the problem:** Jim Weaver**Name of individual from Contractor notified:** Gary Lawley SMC Quality Control Inspector**Time and method of notification:** 10/29/07 2000, verbal notification**Name of Caltrans Engineer notified:** Mehran Ardakanian, Structure Rep**Time and method of notification:** 10/30/07 - Verbal**QC Inspector's Name:** Gary Lawley**Was QC Inspector aware of the problem:** Yes No**Contractor's proposal to correct the problem:**

None at this time

**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 Markian Petrina, 707-552-7715, who represents the Office of Structural Materials for your project.

**Inspected By:** Weaver, James**Reviewed By:** Wright, Mark

QA Inspector

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Contract #: 04-0120L4Cty: SF/ALA Rte: 80 PM: 1.6/2.7File #: xx.25A**QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION****Location:** Birmingham, AL**Report No:** NCS-000007**Prime Contractor:** MCM Construction, Inc.**Date:** 02-Jan-2008**Submitting Contractor:** Steward Machine Co.**NCR #:** NCR-000001**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>Description:</b>	

**Date the Non-Conformance Report was written:** 29-Oct-2007**Description of Non-Conformance:**

Shear Rings 9730-3-1 (E20L) #20 of 24, 9730-3-1 (E20L) #22 of 24, 9730-3-1 (E20L) #23 of 24 and 9730-3-1 (E21L) #1 of 26 welds are being terminated in violation of AWS D1.1-2006 paragraph 5.31.1. The fabricator initially used weld tabs to terminate welds, but has switched to block off weld dams potentially resulting in unsound weld terminations.

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

None at this time

**Corrective action taken:**

Weld dams removed, welds terminated in accordance with AWS D1.1-2006 Paragraph 5.31.1.

**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:**

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**Inspected By:** Weaver, James

Quality Assurance Inspector

**Reviewed By:** Wright, Mark

QA Reviewer