

**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-000102**Prime Contractor:** MCM Construction, Inc.**Date:** 01-Jul-2008**Submitting Contractor:** MCM Construction, Inc.**NCR #:** NCR-000102**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> 1.8M CISS Pile
<b>Procedural</b>	<b>Procedural</b>	<b>Description:</b> QC Inspector missing rejectable indications	

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

The QA Inspector performed random ultrasonic test verification on the complete joint penetration butt splice weld of the identified pile number 1 located at pier E17R. The QA Inspector observed one rejectable welding discontinuity indication in the weld not reported by QC Inspector Dave Cox.

**Applicable reference:**

6.26.8 Basis for Acceptance or Rejection. Each weld discontinuity shall be accepted or rejected on the basis of its indication rating and its length, in conformance with Table 6.2 for statically loaded structures.

Class "A". Any weld discontinuity indication in this category shall be rejectable regardless of length. Each weld discontinuity shall be accepted or rejected on the basis of its indication rating and its length in accordance with AWS D1.1, 2002 - Table 6.2.

**Who discovered the problem:** Quality Assurance Inspector (QA) Ricardo Medina**Name of individual from Contractor notified:** QC Inspector Joe Knoblauch**Time and method of notification:** 0100 hours, by verbal communication**Name of Caltrans Engineer notified:** Caltrans Assistant Structures, Mark Baker**Time and method of notification:** 1000 hours, 7-2-08 by verbal communication**QC Inspector's Name:** Joe Knoblauch**Was QC Inspector aware of the problem:** Yes No**Contractor's proposal to correct the problem:**

None as of 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 Mohammad Fatemi, who represents the Office of Structural Materials for your project.

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# QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

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**Inspected By:** Medina,Ricardo

METS-OSM QA Inspector

**Reviewed By:** Levell,Bill

QA

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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-000100**Prime Contractor:** MCM Construction, Inc.**Date:** 10-Jul-2008**Submitting Contractor:** MCM Construction, Inc.**NCR #:** NCR-000102**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:** 01-Jul-2008**Description of Non-Conformance:**

The QA Inspector performed random ultrasonic test verification on the complete joint penetration butt splice weld of the identified pile number 1 located at pier E17R. The QA Inspector observed one rejectable welding discontinuity indication in the weld not reported by QC Inspector Dave Cox.

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

Remove and repair the rejectable indication. After the repair is made the area will be re-examined by ultrasonic testing UT.

**Corrective action taken:**

The rejectable indication was excavated and repaired by welding. After the repair was completed the area was re-examined by both QC and QA and determined to be acceptable. The QC Inspector who originally missed the rejectable indication was counseled and advised to slow down while testing (reference MCM SUB-656R0).

**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:** Levell, Bill

Quality Assurance Inspector

**Reviewed By:** Fatemi, Mohammad

QA Reviewer