

**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-000103**Prime Contractor:** MCM Construction, Inc.**Date:** 17-Jul-2008**Submitting Contractor:** MCM Construction, Inc.**NCR #:** NCR-000103**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 missing rejectable indications	

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

The QA Inspector performed the ultrasonic test verification on the complete joint penetration butt weld splice of pile number 4 at pier E18R. The QA Inspector observed six rejectable welding discontinuity indications in the weld not reported by QC Inspector Dave Cox.

**Applicable reference:**

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.

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.

**Who discovered the problem:** Quality Assurance Inspector (QA) Ricardo Medina

**Name of individual from Contractor notified:** QC Inspector Joe Knoblauch and Dave Cox

**Time and method of notification:** AWS D1.1, 2006, Table 6.2

**Name of Caltrans Engineer notified:** QC Inspector Joe Knoblauch and Dave Cox.

**Time and method of notification:** 0300 hours, by verbal notification

**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.

**Inspected By:** Medina, Ricardo

METS-OSM QA Inspector

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# QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

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**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-000105**Prime Contractor:** MCM Construction, Inc.**Date:** 08-Sep-2008**Submitting Contractor:** MCM Construction, Inc.**NCR #:** NCR-000103**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:** 17-Jul-2008**Description of Non-Conformance:**

The QA Inspector performed the ultrasonic test verification on the complete joint penetration butt weld splice of pile number 4 at pier E18R. The QA Inspector observed six rejectable welding discontinuity indications in the weld not reported by QC Inspector Dave Cox.

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

None as of this time.

**Corrective action taken:**

The areas that were rejected by the QA inspector were re-evaluated by the QC Inspector and were determined to be rejectable. The areas were excavated and repaired. After the repairs were completed the area was re-tested by ultrasonic examination and were determined to be acceptable. Reference MCM\_SUB-725 rev.0

**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