

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-000085**Prime Contractor:** MCM Construction, Inc.**Date:** 01-May-2008**Submitting Contractor:** MCM Construction, Inc.**NCR #:** NCR-000085**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: 1.8M CISS pile at E17L
Procedural	Procedural	Description: Failure to maintain minimum required preheat	

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

The QA Inspector used a temperature indicating crayon and noticed that the minimum required preheat temperature of 225°F was not being maintained on E17L Pile 6, shear ring weld #1. The QA Inspector noted that this weld was started during the contractor's day shift but the night shift is not welding at this location. The QA Inspector notified the QC Inspector Joe Knoblauch. The QA inspector noted that the full length of the weld appeared to be less than 150°F.

Applicable reference:

Contract Special Provisions, Section 10-1.50, field welding note J.

AWS D1.1 2006, Table 3.2, Category C.

Who discovered the problem: Caltrans QA Inspector Scott Croff**Name of individual from Contractor notified:** QC Inspector Joe Knoblauch**Time and method of notification:** 0030 hours, verbal, 5-2-2008**Name of Caltrans Engineer notified:** Assistant Structures Representative Mark Baker**Time and method of notification:** 1930 hours, telephone, 5-2-2008**QC Inspector's Name:** Joe Knoblauch**Was QC Inspector aware of the problem:** Yes No**Contractor's proposal to correct the problem:**

The minimum required preheat will be re-established during this shift and the contractor's day shift QC Inspector will conduct MT prior to welding at this location.

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: Croff, Scott

QA Inspector

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-000082**Prime Contractor:** MCM Construction, Inc.**Date:** 12-Jun-2008**Submitting Contractor:** MCM Construction, Inc.**NCR #:** NCR-000085**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component:
Procedural	Procedural	Descriptor:	

Date the Non-Conformance Report was written: 01-May-2008**Description of Non-Conformance:**

The QA Inspector used a temperature indicating crayon and noticed that the minimum required preheat temperature of 225°F was not being maintained on E17L Pile 6, shear ring weld #1. The QA Inspector noted that this weld was started during the contractor's day shift but the night shift is not welding at this location. The QA Inspector notified the QC Inspector Joe Knoblauch. The QA inspector noted that the full length of the weld appeared to be less than 150°F.

Contractor's proposal to correct the problem:

The minimum required preheat will be re-established during this shift and the contractor's day shift QC Inspector will conduct MT prior to welding at this location.

Corrective action taken:

Magnetic particle testing was performed after the weld and surrounding base material was brought back up to 225 degrees F and prior to the commencement of welding. (Reference MCM_SUB_000562_R01)

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