

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-000097**Prime Contractor:** MCM Construction, Inc.**Date:** 18-Jun-2008**Submitting Contractor:** MCM Construction, Inc.**NCR #:** NCR-000097**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: Shear ring E22L-1 weld #2
Procedural	Procedural	Description:	Failure to maintain continuous preheat.

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

The QA Inspector noted the complete joint penetration vertical groove weld E22L-1 weld #2, attaching the shear ring to the pile did not maintain the minimum required preheat of 225 degrees F continuously. The QA Inspector determined the preheat temperature had dropped below 200 degrees F.

Applicable reference:

Caltrans Special Provisions Field Welding note J

Who discovered the problem: Caltrans QA Inspector Danny Smith**Name of individual from Contractor notified:** MCM welding foreman Jesse Reese**Time and method of notification:** 1830 in person**Name of Caltrans Engineer notified:** Caltrans Assistant Structures Representative Reza Shirazi**Time and method of notification:** 2100 in person**QC Inspector's Name:** Joe Knoblauch**Was QC Inspector aware of the problem:** Yes No**Contractor's proposal to correct the problem:**

Perform magnetic particle testing after the minimum required preheat is restored.

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: Smith, Danny**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-000098**Prime Contractor:** MCM Construction, Inc.**Date:** 10-Jul-2008**Submitting Contractor:** MCM Construction, Inc.**NCR #:** NCR-000097**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: 18-Jun-2008**Description of Non-Conformance:**

The QA Inspector noted the complete joint penetration vertical groove weld E22L-1 weld #2, attaching the shear ring to the pile did not maintain the minimum required preheat of 225 degrees F continuously. The QA Inspector determined the preheat temperature had dropped below 200 degrees F.

Contractor's proposal to correct the problem:

Perform magnetic particle testing after the minimum required preheat is restored and prior to the commencement of welding.

Corrective action taken:

Magnetic particle testing was performed after the minimum required preheat was restored and prior to the commencement of welding (Reference MCM-SUB-655R0).

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**