

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-000092**Prime Contractor:** MCM Construction, Inc.**Date:** 27-May-2008**Submitting Contractor:** MCM Construction, Inc.**NCR #:** NCR-000092**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: 1.8 meter CISS pile E-22L-8
Procedural	Procedural	Description:	Failure to maintain the minimum required preheat

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

The QA Inspector noted the complete joint penetration pile splice of pile did not maintain the minimum required preheat of 225 degrees F continuously. The QA Inspector determined the preheat temperature had dropped to approximately 150 degrees F, 360 degrees around the pile in the weld and bottom section of pile. The QA Inspector noted no welding was performed on the above piles on this date.

Applicable reference:

Caltrans Special Provisions Field Welding Note J

Who discovered the problem: Caltrans QA Inspector Rick Bettencourt**Name of individual from Contractor notified:** MCM Welding Superintendent Chris Smith**Time and method of notification:** 1500 via phone conversation**Name of Caltrans Engineer notified:** Caltrans Assistant Structures Representative Mark Baker**Time and method of notification:** 1300 via phone conversation**QC Inspector's Name:** Kevin Scrivner**Was QC Inspector aware of the problem:** Yes No**Contractor's proposal to correct the problem:**

Bring the minimum required preheat up to 225 degrees, perform magnetic particle testing.

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: Bettencourt, Rick**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-000086**Prime Contractor:** MCM Construction, Inc.**Date:** 16-Jun-2008**Submitting Contractor:** MCM Construction, Inc.**NCR #:** NCR-000092**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: 27-May-2008**Description of Non-Conformance:**

The QA Inspector noted the complete joint penetration pile splice of pile did not maintain the minimum required preheat of 225 degrees F continuously. The QA Inspector determined the preheat temperature had dropped to approximately 150 degrees F, 360 degrees around the pile in the weld and bottom section of pile. The QA Inspector noted no welding was performed on the above piles on this date.

Contractor's proposal to correct the problem:

Bring the minimum required preheat up to 225 degrees, perform magnetic particle testing.

Corrective action taken:

The weld was brought up to the minimum required preheat up to 225 degrees, magnetic particle testing was performed prior to the commencement of production welding(Reference-SUB-00593-R00).

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**