

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:** Jobsite**Report No:** NCR-000029**Prime Contractor:** MCM Construction, Inc.**Date:** 23-Jan-2008**Submitting Contractor:** MCM Construction, Inc.**NCR #:** NCR-000029**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: 1.8M CISS Pile E-19L-5
Procedural	Procedural	Description:	Failure to maintain the minimum required preheat

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

The QA Inspector discovered several areas of weld between location marks 50"-60", 145"-175" and 195"-205" did not maintain the minimum required preheat of 225 degrees F. The QA Inspector noted the temperature dropped to approximately 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; Jose Albornoz**Time and method of notification:** 2330 in person**Name of Caltrans Engineer notified:** Caltrans Assistant Structures Representative; Mahmoud Khantagabudi**Time and method of notification:** 2400 in person**QC Inspector's Name:** Joe Knoblauch**Was QC Inspector aware of the problem:** Yes No**Contractor's proposal to correct the problem:**

Restore material to the minimum required 225 degrees Fahrenheit and perform MT of areas which failed to maintain 225 degrees Fahrenheit continuously.

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:** Jobsite**Report No:** NCS-000051**Prime Contractor:** MCM Construction, Inc.**Date:** 15-Apr-2008**Submitting Contractor:** MCM Construction, Inc.**NCR #:** NCR-000029**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: 23-Jan-2008**Description of Non-Conformance:**

The QA Inspector discovered several areas of weld between location marks 50"-60", 145"-175" and 195"-205" did not maintain the minimum required preheat of 225 degrees F. The QA Inspector noted the temperature dropped to approximately 200 degrees F.

Contractor's proposal to correct the problem:

Restore material to the minimum required 225 degrees Fahrenheit and perform MT of areas which failed to maintain 225 degrees Fahrenheit continuously.

Corrective action taken:

The material was brought back up to the minimum required temperature of 225 degrees F and magnetic particle testing was performed by the QC Inspector. After the completion of the weld ultrasonic testing (UT) was performed on 100% of total weld length to ensure weld quality.

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: Bettencourt, Rick

Quality Assurance Inspector

Reviewed By: Levell, Bill

QA Reviewer