

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:** SFOBB/OTD**Report No:** NCR-000045**Prime Contractor:** MCM Construction, Inc.**Date:** 25-Feb-2008**Submitting Contractor:** MCM Construction, Inc.**NCR #:** NCR-000045**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: 1.8M CISS Piles
Procedural	Procedural	Description: Loss of preheat/interpass temperature shear ring	

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

The QA Inspector observed MCM welding personnel Miguel Aguirre at 0100 failed to maintain preheat/interpass temperature at weld #6 for the shear ring to pile designated E19L-3. During the observation of the non-conformance production welding was not being performed on the filler weld passes. The loss of preheat occurred at the bottom of the weld and extended approximately the full length of the weld joint. The QA Inspector verified the preheat/interpass temperature utilizing the required temperature indicating markers and noted the temperature within the weld zone was greater than 225°F, but less than 250°F. The QA Inspector was informed by MCM welding foreman the generator had run out of gasoline.

Applicable reference:

Caltrans Special Provisions, Field Welding Note J
WPS-MCM FCAW-003G
AWS Table 3.2 Category C

Who discovered the problem: Mike Garcia**Name of individual from Contractor notified:** Welding Foreman, Jose Albornoz**Time and method of notification:** 0100**Name of Caltrans Engineer notified:** Hassan Ibrahim**Time and method of notification:** 0100**QC Inspector's Name:** Joe Knoblauch**Was QC Inspector aware of the problem:** Yes No**Contractor's proposal to correct the problem:**

Unknown

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.

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

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Inspected By: Garcia, Mike

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:** SFOBB/OTD**Report No:** NCS-000034**Prime Contractor:** MCM Construction, Inc.**Date:** 06-Mar-2008**Submitting Contractor:** MCM Construction, Inc.**NCR #:** NCR-000045**Type of problem:**

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

Date the Non-Conformance Report was written: 25-Feb-2008**Description of Non-Conformance:**

The QA Inspector observed MCM welding personnel Miguel Aguirre at 0100 failed to maintain preheat/interpass temperature at weld #6 for the shear ring to pile designated E19L-3. During the observation of the non-conformance production welding was not being performed on the filler weld passes. The loss of preheat occurred at the bottom of the weld and extended approximately the full length of the weld joint. The QA Inspector verified the preheat/interpass temperature utilizing the required temperature indicating markers and noted the temperature within the weld zone was greater than 225°F, but less than 250°F. The QA Inspector was informed by MCM welding foreman the generator had run out of gasoline.

Contractor's proposal to correct the problem:

See below under corrective action taken. In addition, the contractor has submitted a request for information (RFI) numbered 288.

Corrective action taken:

The material was brought back up to 300° F, magnetic particle testing was performed and welding was resumed.

Did corrective action require Engineer's approval? Yes No**If so, name of Engineer providing approval:** Per RFI response 288**Date:****Is Engineer's approval attached?** Yes No**Comments:**

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Inspected By: Foerder, Michael

Quality Assurance Inspector

Reviewed By: Levell, Bill

QA Reviewer