

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-Pier E20L-2 CISS Pile Weld 4**Report No:** NCR-000034**Prime Contractor:** MCM Construction, Inc.**Date:** 05-Feb-2008**Submitting Contractor:** MCM Construction, Inc.**NCR #:** NCR-000034**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: 1.8 M CISS Pile/Shear Key Assemblies
Procedural	Procedural	Description: Failure to maintain 300 degree continuous preheat	

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

The contractor failed to maintain a minimum of 300 degrees F preheat/interpass temperature during welding at Pier E20L-2 weld number 4. The entire length of the shear key assembly plate was less than 250 degrees F which was measured with a temperature indicating crayon. After discovery, the QC inspector utilized an infrared temperature gun which read a low of 209 degrees at the top of the plate with balance of the plate reading 230 degrees F.

Applicable reference:

Special provisions section 10-1.50 Piling note J.

Who discovered the problem: QA inspector Michael Foerder**Name of individual from Contractor notified:** Jose Albornoz and QC inspector Joe Knoblauch**Time and method of notification:** 1845**Name of Caltrans Engineer notified:** Caltrans Assistant Structures Representative, Mark Baker**Time and method of notification:** 9:09 on 2-6-08 via telephone message.**QC Inspector's Name:** Joe Knoblauch**Was QC Inspector aware of the problem:** Yes No**Contractor's proposal to correct the problem:**

None at this time.

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: Foerder, Michael**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-Pier E20L-2 CISS Pile Weld 4**Report No:** NCS-000032**Prime Contractor:** MCM Construction, Inc.**Date:** 06-Mar-2008**Submitting Contractor:** MCM Construction, Inc.**NCR #:** NCR-000034**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: 05-Feb-2008**Description of Non-Conformance:**

The contractor failed to maintain a minimum of 300 degrees F preheat/interpass temperature during welding at Pier E20L-2 weld number 4. The entire length of the shear key assembly plate was less than 250 degrees F which was measured with a temperature indicating crayon. After discovery, the QC inspector utilized an infrared temperature gun which read a low of 209 degrees at the top of the plate with balance of the plate reading 230 degrees F.

Contractor's proposal to correct the problem:

None at the time of discovery.

Corrective action taken:

The material was brought back up to the minimum required 300 degrees F. The temperature was verified using a 300 degree F temperature indicating marker and welding was resumed.

Did corrective action require Engineer's approval? Yes No**If so, name of Engineer providing approval:** Per e-mail correspondence by M Fatemi **Date:** 05-Mar-2008**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