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 #: 04-0120L4
Cty: SF/ALA Rte: 80 PM: 1.6/2.7
File #: 1.25B

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

Location: Job site
Prime Contractor: MCM Construction, Inc.
Submitting Contractor: MCM Construction, Inc.

Report No: NCR-000071
Date: 04-Apr-2008
NCR #: NCR-000071

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-17L-4
Procedural	☐	**Procedural**	☐	**Description:** Failure to maintain continuous preheat		

Reference Description:

Description of Non-Conformance:

The QA Inspector discovered the bottom portion of the horizontal complete joint penetration pile splice did not maintain the minimum required preheat of 225 degrees F for the total weld length. The QA Inspector noted the temperature dropped to approximately 180 degrees F.

Applicable reference:

Caltrans Special Provisions 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: 0700 in person

Name of Caltrans Engineer notified: Caltrans Assistant Structures Representative Mark Baker

Time and method of notification: 1000 in person

QC Inspector's Name: Kevin Scrivner

Was QC Inspector aware of the problem: ☐ **Yes** ☑ **No**

Contractor's proposal to correct the problem:

Bring the base material up to 225 degrees F and perform magnetic particle testing of the entire weld.

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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QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION

Location: Job site
Prime Contractor: MCM Construction, Inc.
Submitting Contractor: MCM Construction, Inc.

Report No: NCS-000046
Date: 14-Apr-2008
NCR #: NCR-000071

Type of problem:

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

Date the Non-Conformance Report was written: 04-Apr-2008

Description of Non-Conformance:

The QA Inspector discovered the bottom portion of the horizontal complete joint penetration pile splice did not maintain the minimum required preheat of 225 degrees F for the total weld length. The QA Inspector noted the temperature dropped to approximately 180 degrees F.

Contractor's proposal to correct the problem:

Bring the base material up to 225 degrees F and perform magnetic particle testing of the entire weld.

Corrective action taken:

The contractor re-attached the thermocoupler and the minimum required preheat of 225 degrees was restored. The Critical Weld Inspection (CWI) QC Inspector performed magnetic particle testing (MT) of the entire weld after the heat was restored. The MT was performed prior to the commencement of welding.

Did corrective action require Engineer's approval? ☐ **Yes** ☑ **No**

If so, name of Engineer providing approval: Mohammad Fatemi **Date:** 10-Apr-2008

Is Engineer's approval attached? ☐ **Yes** ☑ **No**

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, (916) 813-3677, who represents the Office of Structural Materials for your project.

Inspected By:	Bettencourt,Rick	Quality Assurance Inspector
Reviewed By:	Levell,Bill	QA Reviewer