

**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 #: 77.25B**QUALITY ASSURANCE -- NON-CONFORMANCE REPORT****Location:** Port of Saint Mary, LA**Report No:** NCR-000002**Prime Contractor:** MCM Construction, Inc.**Date:** 23-Oct-2007**Submitting Contractor:** Twin Brothers Marine**NCR #:** NCR-000002**Type of problem:**

<b>Welding</b>	<b>Concrete</b>	<b>Other</b>	
<b>Welding</b>	<b>Curing</b>	<b>Procedural</b>	<b>Bridge No:</b> 34-0006
<b>Joint fit-up</b>	<b>Coating</b>	<b>Other</b>	<b>Component:</b> BA1 and BA2
<b>Procedural</b>	<b>Procedural</b>	<b>Description:</b> Welding without an approved WQCP	

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

Corpac and MCM onsite Representative Mr. Raymond Vilchis allowed Twin Brothers Marine (TBM) to begin welding without an approved and complete Welding Quality Control Plan (WQCP). Missing elements of the WQCP include, but are not limited to, Qualifications and Certifications of Inspectors and Welders, QC Procedures and NDT Procedures referred to the document titled "Welding Quality Control Plan (WQCP) Requirements" provided during the preweld meeting held on July 26, 2007 and available at [http://www.dot.ca.gov/hq/esc/Translab/smdocuments/Welding\\_Quality\\_Control\\_Plan\\_Req.doc](http://www.dot.ca.gov/hq/esc/Translab/smdocuments/Welding_Quality_Control_Plan_Req.doc), as required by Section 8.3 of the Special Provisions. Welders Steven Paul and Shirley Stevenson deposited an FCAW root pass in piece numbers BA-1 and BA-2, without being submitted for approval.

**Applicable reference:**

Caltrans Special Provisions, Section 8.3, Welding

**Who discovered the problem:** Caltrans Quality Assurance Inspector Raymond Lara**Name of individual from Contractor notified:** Raymond Vilchis**Time and method of notification:** Verbal with Mr. Vilchis on October 24, 2007**Name of Caltrans Engineer notified:** Mehran Ardakanian, P.E., Structure Representative**Time and method of notification:** 10/26/07 verbal communication**QC Inspector's Name:** Benjy Robichaux**Was QC Inspector aware of the problem:** Yes No**Contractor's proposal to correct the problem:**

WQCP revisions are currently in progress and will be submitted to Caltrans for review.

**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 Markian Petrina, 707-552-7715, who represents the Office of Structural Materials for your project.

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# QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

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**Inspected By:** Madere,Mary

QA Inspector

**Reviewed By:** Wright,Mark

QA Inspector

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Contract #: 04-0120L4Cty: SF/ALA Rte: 80 PM: 1.6/2.7File #: xx.25A**QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION****Location:** Port of Saint Mary, LA**Prime Contractor:** MCM Construction, Inc.**Submitting Contractor:** Twin Brothers Marine**Report No:** NCS-000008**Date:** 08-Jan-2008**NCR #:** NCR-000002**Type of problem:**

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

**Date the Non-Conformance Report was written:** 23-Oct-2007**Description of Non-Conformance:**

Corpac and MCM onsite Representative Mr. Raymond Vilchis allowed Twin Brothers Marine (TBM) to begin welding without an approved and complete Welding Quality Control Plan (WQCP). Missing elements of the WQCP include, but are not limited to, Qualifications and Certifications of Inspectors and Welders, QC Procedures and NDT Procedures referred to the document titled "Welding Quality Control Plan (WQCP) Requirements" provided during the preweld meeting held on July 26, 2007 and available at [http://www.dot.ca.gov/hq/esc/Translab/smdocuments/Welding\\_Quality\\_Control\\_Plan\\_Req.doc](http://www.dot.ca.gov/hq/esc/Translab/smdocuments/Welding_Quality_Control_Plan_Req.doc), as required by Section 8.3 of the Special Provisions. Welders Steven Paul and Shirley Stevenson deposited an FCAW root pass in piece numbers BA-1 and BA-2, without being submitted for approval.

**Contractor's proposal to correct the problem:**

WQCP revisions are currently in progress and will be submitted to Caltrans for review.

**Corrective action taken:**

WQCP has been submitted and approved.

**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:**

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:** Madere, Mary

Quality Assurance Inspector

**Reviewed By:** Wright, Mark

QA Reviewer