

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 West St. Mary, LA**Report No:** NCR-000021**Prime Contractor:** MCM Construction, Inc.**Date:** 07-Jan-2008**Submitting Contractor:** Twin Brothers Marine**NCR #:** NCR-000021**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: T19L4, T19L5, T19L6
Procedural	Procedural	Description:	

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

Corpac Representative Mr. Raymond Vilchis allowed Twin Brothers Marine (TBM) to weld backing rings to three piles identified as T19L4, T19L5 and T19L6 and change the joint configuration from a single bevel to a double bevel. The resulting tack welds display an unacceptable weld profile. Several of the tack welds are broken and the gap between the backing rings and the piles measure up to six millimeters in some areas.

Applicable reference:

AWS D1.1-2006 Section 5.18.2 requires tack welds to be subject to the same quality requirements as final welds.

Special Provisions Section 10-1.50 requires gaps exceeding two millimeters between the backing ring and the piles to be repaired by shielded metal arc welding.

Who discovered the problem: Caltrans Quality Assurance Inspector Mr. Danny Reyes

Name of individual from Contractor notified: Raymond Vilchis

Time and method of notification: Verbal with Mr. Vilchis at 1100 hours on January 7, 2008

Name of Caltrans Engineer notified: Mehran Ardakanian

Time and method of notification: Email 1-7-08

QC Inspector's Name: Joe Vicars

Was QC Inspector aware of the problem: Yes No

Contractor's proposal to correct the problem:

Twin Brothers Marine will remove the backing rings and the piles will be re-beveled at the jobsite.

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

QA Inspector

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

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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 West St. Mary, LA**Report No:** NCS-000017**Prime Contractor:** MCM Construction, Inc.**Date:** 20-Feb-2008**Submitting Contractor:** Twin Brothers Marine**NCR #:** NCR-000021**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: 07-Jan-2008**Description of Non-Conformance:**

Corpac Representative Mr. Raymond Vilchis allowed Twin Brothers Marine (TBM) to weld backing rings to three piles identified as T19L4, T19L5 and T19L6 and change the joint configuration from a single bevel to a double bevel. The resulting tack welds display an unacceptable weld profile. Several of the tack welds are broken and the gap between the backing rings and the piles measure up to six millimeters in some areas.

Contractor's proposal to correct the problem:

Twin Brothers Marine will remove the backing rings and the piles will be re-beveled at the jobsite.

Corrective action taken:

MCM rebeveled these piles at the jobsite. See MCM Submittal 371, Revision 0.

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: Madere, Mary

Quality Assurance Inspector

Reviewed By: Wright, Mark

QA Reviewer