

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 #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.25B**QUALITY ASSURANCE -- NON-CONFORMANCE REPORT****Location:** Changxing Island, Shanghai, PRC**Report No:** NCR-000051**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 10-Jan-2008**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**NCR #:** ZPMC-0050**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: Tower-114m Mockup
Procedural	Procedural	Descriptor:	Corner joints on the upper and lower sections of t

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

ABF allowed ZPMC to accept by ultrasonic examination corner complete joint penetration weld joints greater than 50 mm in thickness which did not include scans for laminar tearing at the base metal behind and adjacent to the welds.

Applicable reference:

Special Provisions Section 8, page 333, Item# 12

Who discovered the problem: Scott Croff, John Tracy and Alfredo Acuna**Name of individual from Contractor notified:****Time and method of notification:****Name of Caltrans Engineer notified:** Ching Chao**Time and method of notification:** 1/10/08, Verbal**QC Inspector's Name:** Xu Jun**Was QC Inspector aware of the problem:** Yes No**Contractor's proposal to correct the problem:****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 Patrick Lowry, 916-227-5719, who represents the Office of Structural Materials for your project.

Inspected By: Croff, Scott

Quality Assurance Inspector

Reviewed By: Cuellar, Robert

QA Reviewer

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: xx.25A**QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION****Location:** Changxing Island, Shanghai, PRC**Report No:** NCS-000069**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 18-Mar-2008**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0050**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: 10-Jan-2008**Description of Non-Conformance:**

ABF allowed ZPMC to accept by ultrasonic examination corner complete joint penetration weld joints greater than 50 mm in thickness which did not include scans for laminar tearing at the base metal behind and adjacent to the welds.

Contractor's proposal to correct the problem:

None

Corrective action taken:

METS will monitor ZPMC to ensure this non conformance is an anomaly and not a systematic issue and ZPMC complies with the Special Provisions and AWS D1.5 2002.

Did corrective action require Engineer's approval? Yes No**If so, name of Engineer providing approval:** Ching Chao, Structures Construction **Date:** 20-Feb-2008**Is Engineer's approval attached?** Yes No**Comments:**

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Inspected By: Ishibashi, Josh Quality Assurance Inspector**Reviewed By:** Ishibashi, Josh QA Reviewer