

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
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.25B**QUALITY ASSURANCE -- NON-CONFORMANCE REPORT****Location:** Shanghai, China**Report No:** NCR-000029**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 08-Dec-2007**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**NCR #:** ZPMC-0028**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: OBG - Deck Mock-Up
Procedural	Procedural	Descriptor:	Joint Fit-Up/Misalignment

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

American Bridge / Fluor (ABF) and ZPMC Quality Control (QC) did not identify the misalignments of closed ribs for the OBG Deck Mock-Up.

Applicable reference:

Section 10-1.59 'Steel Structures,' subsection 'Shop Drawing,' subsection 'Design Details' of the Special Provisions, page 327: "At the end of each box girder segment, corresponding ribs shall align within 4 mm and surfaces to be in contact shall have an offset no greater than 2 mm after shimming."

Who discovered the problem: Bruce Berger**Name of individual from Contractor notified:****Time and method of notification:****Name of Caltrans Engineer notified:****Time and method of notification:****QC Inspector's Name:** Steve Lawton**Was QC Inspector aware of the problem:** Yes No**Contractor's proposal to correct the problem:**

Unknown 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 Patrick Lowry, 916-227-5719, who represents the Office of Structural Materials for your project.

Inspected By: Lowry,Patrick

SMR

Reviewed By: Lowry,Patrick

SMR

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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: xx.25A**QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION****Location:** Shanghai, China**Report No:** NCS-000026**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 14-Feb-2008**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0028**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: 08-Dec-2007**Description of Non-Conformance:**

American Bridge / Fluor (ABF) and ZPMC Quality Control (QC) did not identify the misalignments of closed ribs for the OBG Deck Mock-Up.

Contractor's proposal to correct the problem:

ZPMC's method of ensuring closed rib alignment will be annotated on field changed fabrication procedures and/or shop drawings.

Corrective action taken:

Per conversations with the Contractor (Gang Jiao) on 14-Feb-08, the Contractor acknowledged that methods to ensure alignment of closed ribs shall be included in fabrication procedures and/or shop drawings (confirmation email dated 14-Feb-08).

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: Liu, Chengwen

Quality Assurance Inspector

Reviewed By: Lowry, Patrick

QA Reviewer