

**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:** Shanghai, China**Report No:** NCR-000032**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 18-Dec-2007**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**NCR #:** ZPMC-0031**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> OBG Floorbeams
<b>Procedural</b>	<b>Procedural</b>	<b>Descriptor:</b>	Visual Inspection

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

American Bridge / Fluor (ABF) and ZPMC Quality Control (QC) allowed the Contractor to fabricate material with unapproved shop drawings. Detail "WT1" on shop drawing sheet number "GN3" describes typical weld terminations and has not been approved for the floorbeam to flange connections.

**Applicable reference:**

Section 5-1.02, "Plans and Working Drawings," of the Standard Specifications: "Working drawings shall be approved by the Engineer before any work involving the drawings is performed."

**Who discovered the problem:** Patrick Lowry**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-000058**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 01-Jul-2008**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0031**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>Descriptor:</b>	

**Date the Non-Conformance Report was written:** 18-Dec-2007**Description of Non-Conformance:**

American Bridge / Fluor (ABF) and ZPMC Quality Control (QC) allowed the Contractor to fabricate material with unapproved shop drawings. Detail ?WT1? on shop drawing sheet number ?GN3? describes typical weld terminations and has not been approved for the floorbeam to flange connections.

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

The Contractor corrected the welds according to the approved shop drawings.

**Corrective action taken:**

The Contractor has been welding the floorbeam stiffener to floorbeam flange according to the approved shop drawings.

**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:** Velasco, Abifhram

QA Reviewer