

**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 #: 04-0120F4  
 Cty: SF/ALA Rte: 80 PM: 13.2/13.9  
 File #: 69.25B

**QUALITY ASSURANCE -- NON-CONFORMANCE REPORT**

**Location:** Changxing Island, Shanghai, P.R. China

**Report No:** NCR-000294

**Prime Contractor:** American Bridge/Fluor Enterprises, a JV

**Date:** 02-Jun-2009

**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island

**NCR #:** ZPMC-0268

**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 Segment Splice 4AE/4BE
<b>Procedural</b>	<b>Procedural</b>	<b>Description:</b>	

**Reference Description:** Excessive Splice Plate to U-Rib Offset, Segment Splice 4AE/4BE

**Description of Non-Conformance:**

Caltrans Quality Assurance (QA) Inspector observed that ZPMC had installed the U-rib splice plates connecting Segments 4AE to 4BE. Random measurements were taken by the QA Inspector and offsets between the splice plates and U-Ribs were observed that exceed the approved dimensional tolerances. No shim plates were installed to correct the offsets.



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## QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

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Rib #	Offset (Left Side)	Offset (Right Side)
1	-3mm	+5mm
2	---	+3mm
4	+4mm	---
23	-3mm	---

**Applicable reference:**

Special Provision – Shop Welding - Design Details - Item No. 1.e - Page 323 – “Ribs shall align within 4mm and surfaces to be in contact shall have an offset no greater than 2mm after shimming.”

**Who discovered the problem:** S. Manjunath Math

**Name of individual from Contractor notified:** Joshua Ishibashi

**Time and method of notification:** 1530 hours, 06/02/09, Verbal

**Name of Caltrans Engineer notified:** Stanley Ku

**Time and method of notification:** 1400 hours, 06-03-09, Verbal

**QC Inspector's Name:** Wang Lu

**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 Skyler Guest, 1500.042.2360, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Guest, Skyler	SMR
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<b>Reviewed By:</b>	Wahbeh, Mazen	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:** Changxing Island, Shanghai, P.R. China**Report No:** NCS-000249**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:****Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0268**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:** 02-Jun-2009**Description of Non-Conformance:**

Caltrans Quality Assurance (QA) Inspector observed that ZPMC had installed the U-rib splice plates connecting Segments 4AE to 4BE. Random measurements were taken by the QA Inspector and offsets between the splice plates and U-Ribs were observed that exceed the approved dimensional tolerances. No shim plates were installed to correct the offsets.

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

Contractor has acknowledged that this item must be addressed, and the item was added to the Master Punchlist.

**Corrective action taken:**

Work was completed and item was cleared on Master Punchlist by Caltrans on 8-1-09. Submittal of documentation by Contractor being tracked on Documentation Punchlist.

**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 Jim Simonis, who represents the Office of Structural Materials for your project.

**Inspected By:** Simonis, Jim **Quality Assurance Inspector****Reviewed By:** Wahbeh, Mazen **QA Reviewer**