

**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, PRC

**Report No:** NCR-000145

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

**Date:** 11-Jun-2008

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

**NCR #:** ZPMC-0137

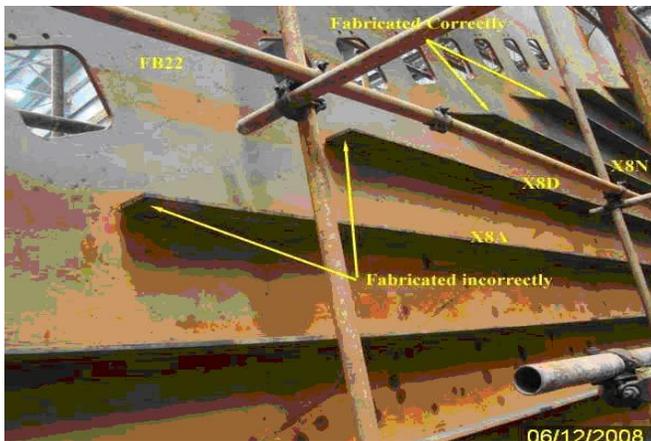
### Type of problem:

<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> X8A, X8D on FB22
<b>Procedural</b>	<b>Procedural</b>	<b>Descriptor:</b>	Floorbeam horizontal stiffener plates

**Reference Description:** Incorrect Floorbeam Horizontal Stiffener Plates

### Description of Non-Conformance:

The Contractor fabricated components that do not conform to approved shop drawings. The Contractor welded two horizontal stiffener plates onto floorbeam web plate that do not have the required radius cut or 200mm CJP welded portion at the ends. This occurred at stiffener plates X8A and X8D of floorbeam FB22.



### Applicable reference:

Shop Drawing Sheet Numbers FB22 and FB22A

**Who discovered the problem:** Caltrans Quality Assurance (QA) Inspector Timothy McClendon

**Name of individual from Contractor notified:** ABFJV QC Inspector Peter Shaw

**Time and method of notification:** 1300 Verbal notification.

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

**Time and method of notification:** verbal notification at 1600 on 06/15/2008

**QC Inspector's Name:** ZPMC QC Inspector Mr. Chen Chih Meng

**Was QC Inspector aware of the problem:**

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## QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

( Continued Page 2 of 2 )

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**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 Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Velasco, Abifhram	SMR
<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, PRC**Report No:** NCS-000210**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 27-Mar-2009**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0137**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:** 11-Jun-2008**Description of Non-Conformance:**

The Contractor fabricated components that do not conform to approved shop drawings. The Contractor welded two horizontal stiffener plates onto floorbeam web plate that do not have the required radius cut or 200mm CJP welded portion at the ends. This occurred at stiffener plates X8A and X8D of floorbeam FB22.

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

The contractor completed the repair by providing the radius cut ends for the horizontal stiffeners.

**Corrective action taken:**

The contractor completed the repair by providing the radius cut ends for the horizontal stiffeners. QA inspector also verified by UT that the end of the two horizontal stiffener plates has a 200mm CJP weld. This repair conforms 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:**

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 Eric Tsang, +(86) 150.0042.2372, who represents the Office of Structural Materials for your project.

**Inspected By:** Tsang, Eric **Quality Assurance Inspector****Reviewed By:** Wahbeh, Mazen **QA Reviewer**