

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

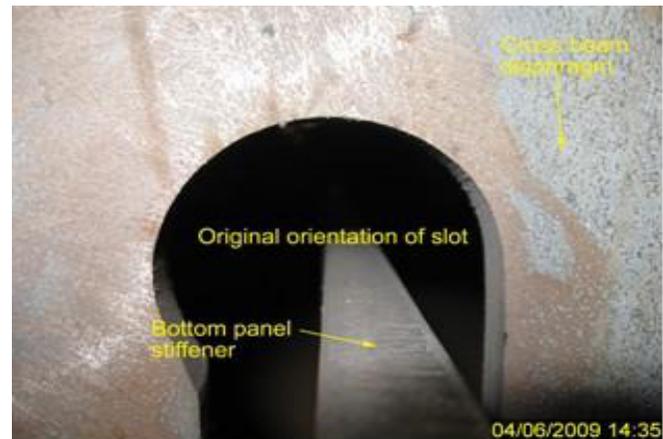
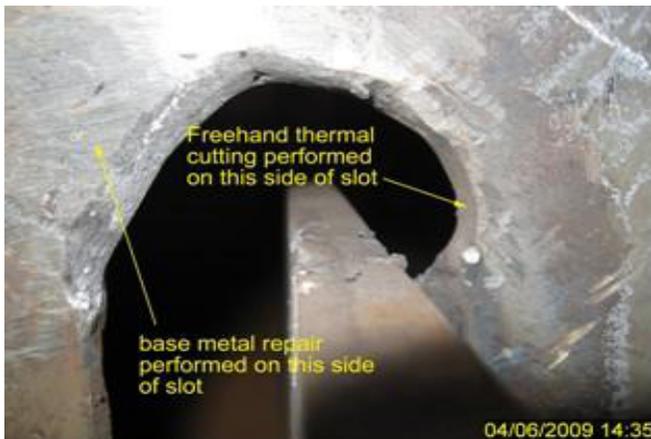
Quality Assurance and Source Inspection



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-000245**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 06-Apr-2009**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**NCR #:** ZPMC-0219**Type of problem:****Welding****Concrete****Other****Welding****Curing****Procedural****Bridge No:** 34-0006**Joint fit-up****Coating****Other****Component:** Crossbeam 4, FB205**Procedural****Procedural****Description:****Reference Description:** Unapproved free hand thermal cutting/ base metal repair**Description of Non-Conformance:**

Quality Assurance Inspector observed that the Contractor performed free hand thermal cutting and base metal weld repair on the stiffener clearance slots on FB205, Crossbeam 4. This work was performed without the Engineer's approval. This condition exists at three locations on each of the four floor beams in this crossbeam.

**Applicable reference:**

AWS D1.5, 2002:

Section 3.2.2 - "Freehand thermal cutting shall be done only where approved by the Engineer."

Section 3.7.4 - "Prior approval of the Engineer shall be obtained for repairs to base metal,..."

Who discovered the problem: Steve Hall**Name of individual from Contractor notified:** Kelvin Cheung and Peter Shaw**Time and method of notification:** 2009/04/06, 16:00, Verbal**Name of Caltrans Engineer notified:** Stanley Ku

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 2)

Time and method of notification: 2009/04/07, 10:30, Verbal

QC Inspector's Name: Lei Tau

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 Eric Tsang, +(86) 1500 042 2372, who represents the Office of Structural Materials for your project.

Inspected By:	Tsang, Eric	SMR
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Reviewed By:	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-000250**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:****Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0219**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: 06-Apr-2009**Description of Non-Conformance:**

Quality Assurance Inspector observed that the Contractor performed free hand thermal cutting and base metal weld repair on the stiffener clearance slots on FB205, Crossbeam 4. This work was performed without the Engineer's approval. This condition exists at three locations on each of the four floor beams in this crossbeam.

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 6-2-09. 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:**

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