

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-000096**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 10-Mar-2008**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**NCR #:** ZPMC-0094**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: DP-042-002
Procedural	Procedural	Descriptor:	OBG Deck Panel

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

The Contractor performed welding using weld tabs that did not duplicate the joint detail being welded. The Contractor welded closed rib to OBG deck panel using weld tabs that were not aligned with the welded joint detail. This occurred in closed rib welds 001 and 007 of deck panel DP-042-002.

Applicable reference:

AWS D1.5, Section 3.12.1: "Welds shall be terminated at the end of a joint in a manner that will ensure sound welds. Whenever possible, this shall be done by use of weld tabs (extension bars and runoff plates) placed in a manner that will duplicate the joint detail being welded."

Who discovered the problem: Greg Bertlesman**Name of individual from Contractor notified:****Time and method of notification:****Name of Caltrans Engineer notified:** Stanley Ku**Time and method of notification:** Verbal notification on 03-13-2008**QC Inspector's Name:** Sun Wei**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 Patrick Lowry, 916-227-5719, who represents the Office of Structural Materials for your project.

Inspected By: Lowry, Patrick

Quality Assurance Inspector

Reviewed By: Lowry, Patrick

QA Reviewer



DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge
666 Feng Bin Road Room 708, Changxing Island
Shanghai 201913 PR China
Tel: 021-56856666 ext 207061 Fax:

NON-CONFORMANCE REPORT TRANSMITTAL

To: American Bridge/Fluor Enterprises, a JV
375 BURMA ROAD
OAKLAND CA 95607

Date: 24-Mar-2008

Contract No: 04-0120F4
04-SF-80-13.2 / 13.9

Dear: Mr. Charles Kanapicki

Job Name: SAS Superstructure

Attention: Mr. Dave Williams Consultant

Document No: 05.03.06-000060

Subject: NCR No. ZPMC-0094

Reference Description: The Contractor performed welding using weld tabs that did not duplicate the joint detail being welded.

The attached Non-Conformance Report describes an occurrence where the contractor did not comply with a requirement of the contract document as indicated below:

- Material or Workmanship not in conformance with contract documents.
- Quality Control (QC) not performed in conformance with contract documents.
- Recurring QC issue that constitutes a systematic problem in quality control.
- Non-Conformance Resolved - No Response Required.

Material Location: OBG **Lift:** 03

Remarks:

The Contractor performed welding using weld tabs that did not duplicate the joint detail being welded. The Contractor welded closed rib to OBG deck panel using weld tabs that were not aligned with the welded joint detail. This occurred in closed rib welds 001 and 007 of deck panel DP-042-002.

Action Required and/or Action Taken:

Transmitted by: Stanley Ku Sr. Bridge Engineer

Attachments: ZPMC-0094

cc: Rick Morrow, Gary Pursell, Brian Boal, Jason Tom

File: 05.03.06

NCR PROPOSED RESOLUTION

To: CALTRANS - SAS Superstructure
333 Burma Road
Oakland CA 94607

Attention: Pursell, Gary
Resident Engineer

Ref: 05.03.06-000060

Subject: NCR No. ZPMC-0094

Dated: 19-Aug-2008

Contract No.: 04-0120F4
04-SF-80-13.2 / 13.9

Job Name: SAS Superstructure

Document No.: ABF-NPR-000085 **Rev:** 00

Contractor's Proposed Resolution:

Reference Resolution: ZPMC understands the requirements of AWS D1.5-02 for proper alignment of weld tabs. Every effort shall be made to properly align weld tabs in the future.

Please see attached.

Submitted by: Kanapicki, Charles

Attachment(s): ABF-NPR-000085R00;

Caltrans' comments:

Status: CLO

Date: 25-Aug-2008

The Contractor's response is acceptable. The Department concurs that Non-Conformance ZPMC-0094 is closed.

Submitted by: Wright, Doug

Attachment(s):

Date: 25-Aug-2008



American
Bridge

FLUOR[®]

A JOINT VENTURE

August 19, 2008

Reply to: SL-ABF-08-0180

Attention: Gary Pursell

Reference: San Francisco Oakland Bay SAS Bridge Superstructure
Caltrans Contract No. 04-0120F4
ABF Job No. 660110

Subject: NCR# ZPMC-0094

Mr. Pursell:

This letter is issue to provide formal response addressing the proposed resolution to NCR# ZPMC-0094.

ZPMC understands the requirements of AWS D1.5-02 for proper alignment of weld tabs. Every effort shall be made to properly align weld tabs in the future.

Please feel free to contact me directly if you require assistance or further clarification.

Sincerely,

Nate Lindell
Quality Assurance Manager
AMERICAN BRIDGE / FLUOR JV

cc: file

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 #: xx.25A**QUALITY ASSURANCE -- NON-CONFORMANCE RESOLUTION****Location:** Changxing Island, Shanghai, PRC**Report No:** NCS-000035**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 25-Mar-2008**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0094**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: 10-Mar-2008**Description of Non-Conformance:**

The Contractor performed welding using weld tabs that did not duplicate the joint detail being welded. The Contractor welded closed rib to OBG deck panel using weld tabs that were not aligned with the welded joint detail. This occurred in closed rib welds 001 and 007 of deck panel DP-042-002.

Contractor's proposal to correct the problem:

METS-OSM will track this issue as a Quality Management Issue and does not request a response from the Contractor at this time. If this issue becomes systemic, METS will elevate this issue to second-tier and request a response from the Contractor.

Corrective action taken:

N/A

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 Patrick Lowry, (858) 344-2712, who represents the Office of Structural Materials for your project.

Inspected By: Liu, Chengwen

Quality Assurance Inspector

Reviewed By: Lowry, Patrick

QA Reviewer