

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-000147

Prime Contractor: American Bridge/Fluor Enterprises, a JV

Date: 29-May-2008

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

NCR #: ZPMC-0139

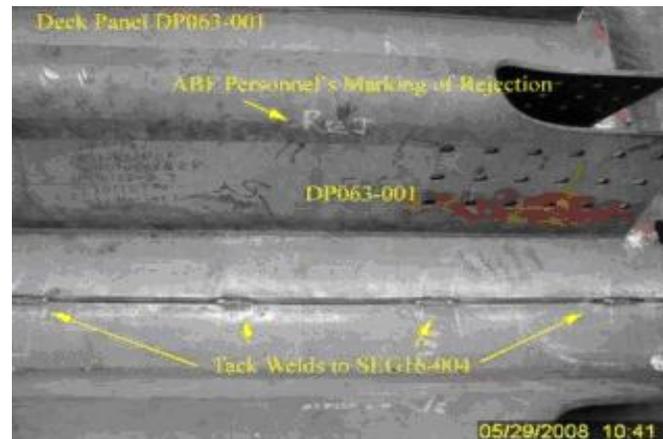
Type of problem:

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: SEG16-004, SEG16-006
Procedural	Procedural	Descriptor: OBG Segments	

Reference Description: Unacceptable Deck Panels Incorporated into Work

Description of Non-Conformance:

The Contractor allowed material that does not conform to contract requirements to be incorporated into the work. The Contractor's letter ABF-ZPM-LTR-00153, dated 15-May-2008 states that certain OBG deck panels were "deemed unacceptable with or without repair, and can not be used in the permanent structure of this bridge". Deck panels DP063-001 and DP018-002 were deemed unacceptable by the Contractor and have been welded to components that are to be presented for acceptance. DP063-001 and DP018-002 were incorporated into OBG segments SEG16-004 and SEG16-006.



Applicable reference:

Standard Specifications, Section 6-1.01 (page 31): "Only materials conforming to the requirements of the specifications shall be incorporated in the work."

ABF-ZPM-LTR-00153, dated 15-May-2008

Who discovered the problem: Caltrans QA Inspector Mahlon Lindenmuth

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 2)

Name of individual from Contractor notified: ABFJV QC Inspector Mr. Art Peterson

Time and method of notification: 1130 / Verbal

Name of Caltrans Engineer notified: Stanley Ku

Time and method of notification: 5/29/08 at 1100 verbally

QC Inspector's Name: 1055 / ZPMC QC Inspector Chen chih Meng

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

Inspected By: Velasco, Abifhram

SMR

Reviewed By: Wahbeh, Mazen

SMR



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, A JV
375 BURMA ROAD
OAKLAND CA 95607

Date: 19-Jun-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: 05.03.06-000120

Subject: NCR No. ZPMC-0139

Reference Description: Unacceptable Deck Panels Incorporated into Work

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.

Material Location: OBG **Lift:**

Remarks:

The Contractor allowed material that does not conform to contract requirements to be incorporated into the work. The Contractor's letter ABF-ZPM-LTR-00153, dated 15-May-2008 states that certain OBG deck panels were "deemed unacceptable with or without repair, and can not be used in the permanent structure of this bridge". Deck panels DP063-001 and DP018-002 were deemed unacceptable by the Contractor and DP 063-001 has been welded to component that is to be presented for acceptance. DP063-001 was incorporated into OBG segments SEG16-004.

Action Required and/or Action Taken:

Propose a resolution for the identified non-conformance to prevent future occurrences.

Transmitted by: Stanley Ku Sr. Bridge Engineer

Attachments: ZPMC-0139

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

File: 05.03.06

NCR PROPOSED RESOLUTION

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

Attention: Pursell, Gary
Resident Engineer

Ref: 05.03.06-000120

Subject: NCR No. ZPMC-0139

Dated: 08-Sep-2008

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

Job Name: SAS Superstructure

Document No.: ABF-NPR-000117 **Rev:** 00

Contractor's Proposed Resolution:

Reference Resolution: ZPMC has agreed with the rejection letter, removed these panels from the work and subsequently re-fabricated the deck panels successfully

ZPMC did not acknowledge that these deck panels were rejected out right and maintained a position of performing additional NDT to verify the acceptance of welds, when in fact it was not the deck panel welds that were rejected but the contractually required WMT that failed prior to welding, therefore additional WMTs should have been performed prior to welding these deck panels and were not. ZPMC has since agreed with the rejection letter and has removed these panels from the work and subsequently re-fabricated the deck panels successfully.

Submitted by: Kanapicki, Charles

Attachment(s): ABF-NPR-000117R00

Caltrans' comments:

Status: CLO

Date: 29-Sep-2008

The Non-Conforming panels were removed from the work, and re-fabricated successfully. The Department concurs that Non-Conformance ZPMC-0139 is closed.

Submitted by: Wright, Doug

Attachment(s):

Date: 29-Sep-2008

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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-000079**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 23-Sep-2008**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0139**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component:
Procedural	Procedural	Descriptor:	

Date the Non-Conformance Report was written: 29-May-2008**Description of Non-Conformance:**

The Contractor allowed material that does not conform to contract requirements to be incorporated into the work. The Contractor's letter ABF-ZPM-LTR-00153, dated 15-May-2008 states that certain OBG deck panels were "deemed unacceptable with or without repair, and can not be used in the permanent structure of this bridge". Deck panels DP063-001 and DP018-002 were deemed unacceptable by the Contractor and have been welded to components that are to be presented for acceptance. DP063-001 and DP018-002 were incorporated into OBG segments SEG16-004 and SEG16-006.

Contractor's proposal to correct the problem:

ZPMC has since agreed with the rejection letter and has removed these panels from the work and subsequently re-fabricated the deck panels successfully.

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 Ady Velasco, 011-86-138-1694-2685, who represents the Office of Structural Materials for your project.

Inspected By: Liu, Chengwen

Quality Assurance Inspector

Reviewed By: Velasco, Abifhram

QA Reviewer