

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



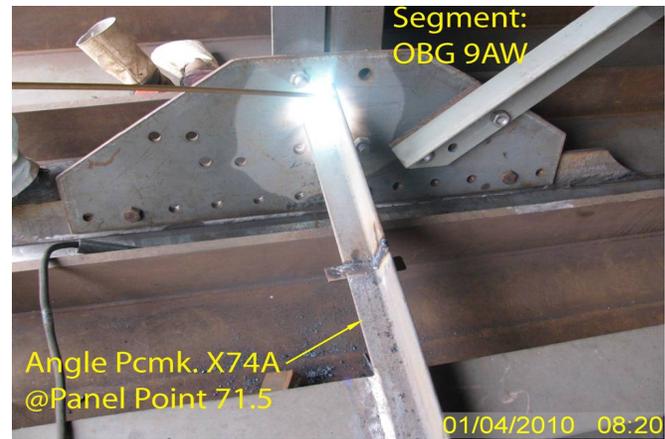
Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.25B**QUALITY ASSURANCE -- NON-CONFORMANCE REPORT****Location:** Changxing Island, Shanghai, P.R. China**Report No:** NCR-000591**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 04-Jan-2010**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**NCR #:** ZPMC-0564**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: OBG Segment 9AW
Procedural	Procedural	Description:	

Reference Description: The contractor introduced 2 new weld joints in Segment 9AW**Description of Non-Conformance:**

This Quality Assurance (QA) Inspector observed that the ZPMC has introduced two (2) additional weld joints that are not on the approved drawings or weld map. The weld location is identified on piece mark #X74A angle at intermediate panel points 71.5 and 72.5 in Segment 9AW.

**Applicable reference:**

AWS D1.5-2002 Section 3.1.4; "The location of welds shall not be changed without approval."

AWS D1.5-2002 Section 3.1.5; "Welds shall be prohibited on the work except:

- (2) All welds detailed on approved shop drawings
- (3) Repair welds authorized by this code
- (4) Other welds approved by the Engineer"

AWS D1.5-2002 Section 6.5.1; "The Inspector shall make certain that the size, length, and location of all welds conform to the requirements of this code and to the detail drawings and that no unspecified welds have been

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 2)

added without approval."

Who discovered the problem: Mike Hasler

Name of individual from Contractor notified: Peng Wen Jun

Time and method of notification: 10:00 hours, 01-04-10, Verbal

Name of Caltrans Engineer notified: Bill Howe

Time and method of notification: 17:00 hours, 01-04-10, Verbal

QC Inspector's Name: Li Ping

Was QC Inspector aware of the problem: Yes No

Contractor's proposal to correct the problem:

N/A

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, +(86) 134.7247.7571, who represents the Office of Structural Materials for your project.

Inspected By:	Guest,Skylar	SMR
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Reviewed By:	Wahbeh,Mazen	SMR
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NCR PROPOSED RESOLUTION

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

Attention: Pursell, Gary
Resident Engineer

Ref: 05.03.06-000553

Subject: NCR No. ZPMC-0564

Dated: 04-Mar-2010

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

Job Name: SAS Superstructure

Document No.: ABF-NPR-000607 Rev: 00

Contractor's Proposed Resolution:

Reference Resolution: ZPMC requested this change in RFI-ZPM-000786R00 and was approved by ABFJV for fabrication prior to commencing the work. Based on this ZPMC requests that this NCR be closed.

ZPMC requested this change in RFI-ZPM-000786R00 and was approved by ABFJV for fabrication prior to commencing the work. Based on this ZPMC requests that this NCR be closed.

Submitted by: Ishibashi, Joshua

Attachment(s): ABF-NPR-000607R00;

Caltrans' comments:

Status: CLO

Date: 24-Mar-2010

This proposed resolution is acceptable. The Department concurs that Non-Conformance ZPMC-0564 is closed.

Submitted by: Eagen, Sean

Date: 24-Mar-2010

Attachment(s):



No. B-640

LETTER OF RESPONSE

TO: American Bridge/Flour

DATE: 2010-3-4

REGARDING: NCR-000591 (ZPMC-0564)

With this letter of response, ZPMC requests withdrawal of CT NCR-000591 (ZPMC-0564) what mentioned about the added welds on angles.

RFI-ZPM-000786 was issued regarding this problem. Based on this, NCR ZPMC-0432 should be withdrawn.

ATTACHMENT:

NCR-000459 (ZPMC-0432)

Jim W

3/4/10



DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge
333 Burma Road
Oakland CA 94607
Tel: Fax:

NON-CONFORMANCE REPORT TRANSMITTAL

To: AMERICAN BRIDGE/FLUOR. A JV
375 BURMA ROAD
OAKLAND CA 95607

Date: 05-Jan-2010

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

Dear: Mr. Charles Kanapicki
Attention: Mr. Thomas Nilsson Project/Fabrication Manager
Subject: NCR No. ZPMC-0564

Job Name: SAS Superstructure
Document No: 05.03.06-000553

Reference Description: The contractor introduced 2 new weld joints in Segment 9AW

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: 09

Remarks:

This Quality Assurance (QA) Inspector observed that the ZPMC has introduced two (2) additional weld joints that are not on the approved drawings or weld map. The weld location is identified on piece mark #X74A angle at intermediate panel points 71.5 and 72.5 in Segment 9AW.

Action Required and/or Action Taken:

Propose a resolution for the identified non-conformance with revised procedures to prevent future occurrences. A response for the resolution of this issue is expected within 7 days.

Transmitted by: Bill Howe Sr. Transportation Engineer

Attachments: ZPMC-0564

cc: Rick Morrow, Gary Pursell, Peter Siegenthaler, Stanley Ku, Brian Boal, Jason Tom, Contract Files, Ching Chao

File: 05.03.06

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Contract #: 04-0120F4
City: 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-000591

Prime Contractor: American Bridge/Fluor Enterprises, a JV

Date: 04-Jan-2010

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

NCR #: ZPMC-0564

Type of problem:

Welding Concrete Other

Welding Curing Procedural

Joint fit-up Coating Other

Procedural Procedural Description:

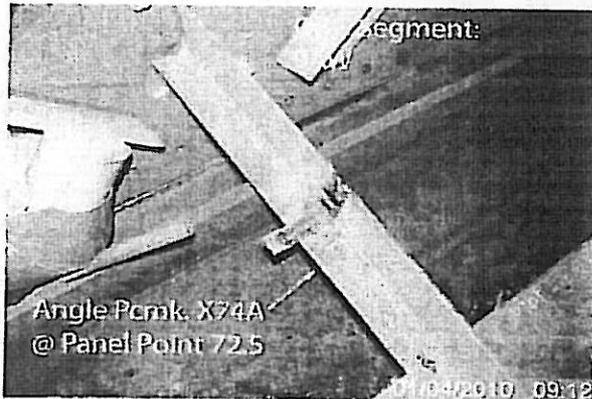
Bridge No: 34-0006

Component: OBG Segment 9AW

Reference Description: The contractor introduced 2 new weld joints in Segment 9AW

Description of Non-Conformance:

This Quality Assurance (QA) Inspector observed that the ZPMC has introduced two (2) additional weld joints that are not on the approved drawings or weld map. The weld location is identified on piece mark #X74A angle at intermediate panel points 71.5 and 72.5 in Segment 9AW.



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QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 2)

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Who discovered the problem: Mike Hasler

Name of individual from Contractor notified: Peng Wen Jun

Time and method of notification: 10:00 hours, 01-04-10, Verbal

Name of Caltrans Engineer notified: Bill Howe

Time and method of notification: 17:00 hours, 01-04-10, Verbal

QC Inspector's Name: Li Ping

Was QC Inspector aware of the problem: Yes No

Contractor's proposal to correct the problem:

N/A

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, +(86) 134.7247.7571, who represents the Office of Structural Materials for your project.

Inspected By: Guest,Skylar

SMR

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, P.R. China**Report No:** NCS-000632**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 24-May-2010**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0564**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: 04-Jan-2010**Description of Non-Conformance:**

This Quality Assurance (QA) Inspector observed that the ZPMC has introduced two (2) additional weld joints that are not on the approved drawings or weld map. The weld location is identified on piece mark #X74A angle at intermediate panel points 71.5 and 72.5 in Segment 9AW.

Contractor's proposal to correct the problem:

Welds were approved prior to being installed.

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 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