

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



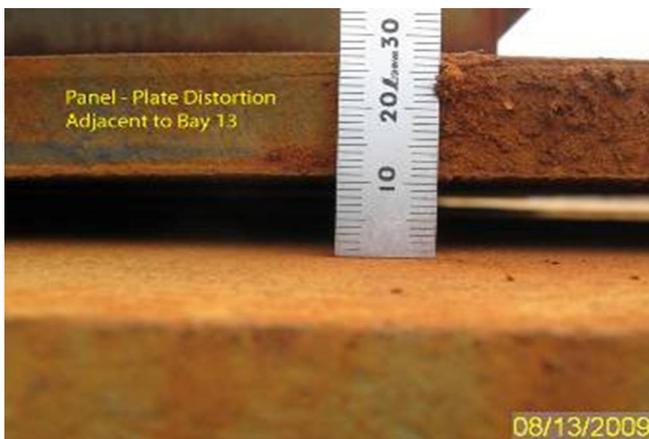
Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

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-000396**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 13-Aug-2009**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**NCR #:** ZPMC-0370**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: Various OBG Subcomponents
Procedural	Procedural	Description: Improper Material Storage at Outdoor Locations	

Reference Description: Various OBG Subcomponents were stored improperly**Description of Non-Conformance:**

Caltrans Quality Assurance (QA) Inspector observed improper Storage of Materials located at various outdoor area of the ZPMC facilities. Furthermore, distorted material and standing still water were found at certain locations. These members are not stored in compliance with the contract documents. The members include EP128B (for 9DW) SB66W, SB56E, BK001-013, TR1A, TR1D and FB012-035 near Bay 13; FB003-152 (distorted), FB003-155 (distorted), FB023-007, BP025A-005 (distorted), SB44E, SB46W, FB011-029 and DP688 (for 10AW) at the trial assembly yard.



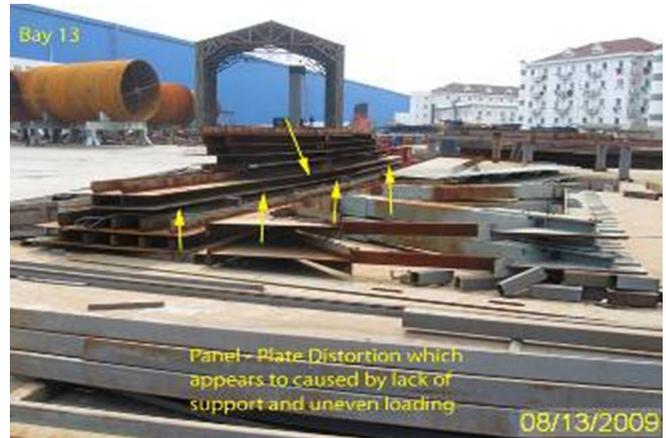
QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

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QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 3 of 4)



Applicable reference:

Standard Specs. 6-1.03 STORAGE OF MATERIALS: Articles or materials to be incorporated in the work shall be stored in such a manner as to ensure the preservation of their quality and fitness for the work, and to facilitate inspection.

Standard Specs. 55-1.04: In handling of the steel work, every care shall be taken to avoid bending, scraping or overstressing the pieces. All pieces bent or otherwise injured will be rejected... Material to be stored shall be placed above the ground upon platforms, skids or other supports and shall be kept free from dirt, grease and other foreign material and properly drained and protected from corrosion.

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 4 of 4)

Standard Specs. 55-3.09 FINISHED MEMBERS: Finished members shall be true to line and free from twists, bends and open joints.

Who discovered the problem: Rory O'Kane

Name of individual from Contractor notified: Peter Shaw

Time and method of notification: 1745 hours, Verbal

Name of Caltrans Engineer notified: Ching Chao

Time and method of notification: 0800 hours, Verbal

QC Inspector's Name: Wang Lu

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:	Tsang, Eric	SMR
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Reviewed By:	Wahbeh, Mazen	SMR
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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: 01-Sep-2009
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-0370

Job Name: SAS Superstructure
Document No: 05.03.06-000359

Reference Description: Various OBG Subcomponents were stored improperly

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:

Caltrans Quality Assurance (QA) Inspector observed improper Storage of Materials located at various outdoor area of the ZPMC facilities. Furthermore, distorted material and standing still water were found at certain locations. These members are not stored in compliance with the contract documents. The members include EP128B (for 9DW) SB66W, SB56E, BK001-013, TR1A, TR1D and FB012-035 near Bay 13; FB003-152 (distorted), FB003-155 (distorted), FB023-007, BP025A-005 (distorted), SB44E, SB46W, FB011-029 and DP688 (for 10AW) at the trial assembly yard.

Action Required and/or Action Taken:

Submit a plan outlining measures to correct this improper storage, and repair of the distorted material.

Transmitted by: Bill Howe

Attachments: ZPMC-0370

cc: Rick Morrow, Gary Pursell, Peter Siegenthaler, Stanley Ku, Brian Boal, Doug Coe, Jason Tom, Contract Files, 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: 05.03.06-000359

Subject: NCR No. ZPMC-0370

Dated: 21-Sep-2009

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

Job Name: SAS Superstructure

Document No.: ABF-NPR-000366 Rev: 00

Contractor's Proposed Resolution:

Reference Resolution: For closure of this NCR it is recommended by ABF that CT, ABF and ZPMC together tour the facilities to verify correct storage has been implemented for closure of this NCR.

ABF has taken ZPMC QA supervisors to the work site to show them the improper stored and handled material, ZPMC QA supervisors then took action by notifying production personnel, who then began to make the necessary adjustments. For closure of this NCR it is recommended by ABF that CT, ABF and ZPMC together tour the facilities to verify correct storage has been implemented for closure of this NCR.

Submitted by:

Attachment(s): ABF-NPR-000366R00

Caltrans' comments:

Status: AAP

Date: 22-Sep-2009

The contractor shall inform the Engineer when they are ready for the inspection of proper material storage.

Submitted by: Chao, Ching

Date: 22-Sep-2009

Attachment(s):

NCR PROPOSED RESOLUTION

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

Attention: Pursell, Gary
Resident Engineer

Ref: 05.03.06-000359

Subject: NCR No. ZPMC-0370

Dated: 08-Feb-2010

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

Job Name: SAS Superstructure

Document No.: ABF-NPR-000366 Rev: 01

Contractor's Proposed Resolution:

Reference Resolution: ZPMC conducted an internal meeting to discuss proper handling and storage of OBG components. In attendance were representatives of the production and transportation departments.

ZPMC conducted an internal meeting to discuss proper handling and storage of OBG components. In attendance were representatives of the production and transportation departments. Both departments understand the importance of proper storage of inspected components and will work to prevent these types of incidents from occurring in the future. Based on this ZPMC requests closure of this NCR.

Submitted by: Ishibashi, Joshua

Attachment(s): ABF-NPR-000366R01;

Caltrans' comments:

Status: CLO

Date: 08-Feb-2010

Training documentation is sufficient to close this NCR.

Submitted by: Howe, Bill

Date: 08-Feb-2010

Attachment(s):

会议签到单

会议时间：2009.10.24

会议地点：钢构三部办公室 **ZPMC Department 3**

会议主题：关于美国钢桥产品及构件摆放不正规的会议 **Storage and handling of components on the American Bridge Project**

与会人员（签到）：

生产：

Production

张卫 李卫 李卫 李卫 李卫
李卫 李卫 李卫 李卫 李卫
李卫 李卫 李卫 李卫 李卫

起运：

李卫

施工队：

Transportation

李卫 李卫
李卫 李卫

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Bay Area Branch
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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-000506**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 09-Feb-2010**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0370**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: 13-Aug-2009**Description of Non-Conformance:**

Caltrans Quality Assurance (QA) Inspector observed improper Storage of Materials located at various outdoor area of the ZPMC facilities. Furthermore, distorted material and standing still water were found at certain locations. These members are not stored in compliance with the contract documents. The members include EP128B (for 9DW) SB66W, SB56E, BK001-013, TR1A, TR1D and FB012-035 near Bay 13; FB003-152 (distorted), FB003-155 (distorted), FB023-007, BP025A-005 (distorted), SB44E, SB46W, FB011-029 and DP688 (for 10AW) at the trial assembly yard.

Contractor's proposal to correct the problem:

Remedy noted storage conditions and meet with ZPMC personnel to discuss proper storage and handling practices.

Corrective action taken:

Contractor submitted documentation of a meeting between ABF and representatives from ZPMC's Transportation and Production departments discussing improper storage and handling issues. The sub-assemblies listed in this report have since been installed in their respective OBG Segments.

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 152. 1675.3703, who represents the Office of Structural Materials for your project.

Inspected By: Simonis, Jim

Quality Assurance Inspector

Reviewed By: Wahbeh, Mazen

QA Reviewer