

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



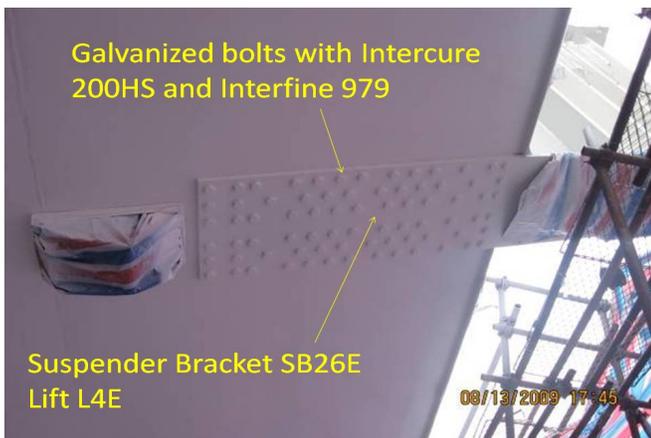
Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

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-000387**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 13-Aug-2009**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**NCR #:** ZPMC-0361**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006
Joint fit-up	Coating	Other	Component: Lift L4E
Procedural	Procedural	Description:	

Reference Description: Incorrect Paint Application on Galvanized Bolts, Lift L4E**Description of Non-Conformance:**

ZPMC personnel applied Intercure 200HS coating to exposed galvanized bolts of Suspender Bracket SB26E (Lift L4E) prior to application of subsequent topcoat application. ZPMC then applied the full finish coat of Interfine 979 polysiloxane over the Intercure 200HS. The application of the Intercure 200HS is not in accordance with the Special Provisions.

**Applicable reference:**

Special Provisions: Section 10-1.59 Steel Structures: Bolted Connections: "After installation, all exposed areas of galvanized bolts shall be cleaned in accordance with the requirements of SSPC SP-2, and coated with two applications of unthinned organic zinc rich primer that is compatible with the Polysiloxane finish coats within 96 hours of installation. Where Polysiloxane are to be applied within 96 hours, this requirement need not apply."

Who discovered the problem: James Lumley**Name of individual from Contractor notified:** Bill Oak

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

(Continued Page 2 of 2)

Time and method of notification: 08/13/09, 13:25, Verbal

Name of Caltrans Engineer notified: Ching Chao

Time and method of notification: 08/14/09, 17:00, Email

QC Inspector's Name: Wong 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 Skyler Guest, 15000422360, who represents the Office of Structural Materials for your project.

Inspected By:	Guest, Skyler	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: 31-Aug-2009

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

Dear: Mr. Charles Kanapicki

Job Name: SAS Superstructure

Attention: Mr. Thomas Nilsson Project/Fabrication Manager

Document No: 05.03.06-000350

Subject: NCR No. ZPMC-0361

Reference Description: Incorrect Paint Application on Galvanized Bolts, Lift L4E

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:** 04

Remarks:

ZPMC personnel applied Intercure 200HS coating to exposed galvanized bolts of Suspender Bracket SB26E (Lift L4E) prior to application of subsequent topcoat application. ZPMC then applied the full finish coat of Interfine 979 polysiloxane over the Intercure 200HS. The application of the Intercure 200HS is not in accordance with the Special Provisions.

Action Required and/or Action Taken:

Remove the Intercure 200HS and repaint per contract.

Transmitted by: Bill Howe

Attachments: ZPMC-0361

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: 05.03.06-000350

Subject: NCR No. ZPMC-0361

Dated: 16-Sep-2009

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

Job Name: SAS Superstructure

Document No.: ABF-NPR-000355 **Rev:** 00

Contractor's Proposed Resolution:

Reference Resolution: Inspections will be carried out as normal and documentation will be submitted to CT as all other paint inspection documents. ZPMC requests closure of this NCR.

ABF JV had previously rejected the use of intercure 200HS application to the galvanized bolts prior to the CT NCR being issued. This nonconformance is being resolved through the normal QA/QC system, therefore ABF JV takes exception to this NCR. Remedial actions will be completed as required. Inspections will be carried out as normal and documentation will be submitted to CT as all other paint inspection documents. ZPMC requests closure of this NCR.

Submitted by:

Attachment(s): ABF-NPR-000355R00

Caltrans' comments:

Status: CLO

Date: 20-Sep-2009

The corrective work has been carried out and verified according to Bill Howe.

Submitted by: Chao, Ching

Date: 20-Sep-2009

Attachment(s):

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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-000295**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 17-Sep-2009**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0361**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: 13-Aug-2009**Description of Non-Conformance:**

ZPMC personnel applied Intercure 200HS coating to exposed galvanized bolts of Suspender Bracket SB26E (Lift L4E) prior to application of subsequent topcoat application. ZPMC then applied the full finish coat of Interfine 979 polysiloxane over the Intercure 200HS. The application of the Intercure 200HS is not in accordance with the Special Provisions.

Contractor's proposal to correct the problem:

The contractor plans to reblast the C-face of Lift L4E which includes Suspender Bracket SB26E.

Corrective action taken:

The contractor has removed the improper coating by abrasive blasting.

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: Guest, Skyler

Quality Assurance Inspector

Reviewed By: Wahbeh, Mazen

QA Reviewer