

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
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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-000217**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 19-Nov-2008**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**NCR #:** ZPMC-0193**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006 L/R
Joint fit-up	Coating	Other	Component: Paint
Procedural	Procedural	Description: Painting of Splice Plates	

Reference Description: Contractor painted structural steel components without approval of the Interzinc 22 product being used at the paint facility.

Description of Non-Conformance:

The Contractor has painted structural steel components without approval of the Interzinc 22 product being used at the paint facility. The contractor has submitted to the Caltrans Quality Assurance Inspector the paint test results from the lab in Shanghai, China. As per Andy Rogerson of the Chemical Testing Branch of Caltrans, the coating does not meet the Specifications for the vehicle nonvolatile content of 45.7% +or- 2% from AASHTO M300 test performed by International. This coating has been applied to multiple parts listed on the paint reports received from the contractor.

Applicable reference:

AASHTO M300 ties various Quality Assurance requirements to the properties of the initially approved primer. International provided test results from an independent laboratory's evaluation of Interzinc 22 for compliance with AASHTO M300 in late 2000. The nonvolatile vehicle value of 45.7% comes from that test report.

Who discovered the problem: Caltrans Quality Assurance(QA), Mark Wright**Name of individual from Contractor notified:** ABF Quality Control Engineer, Dan Raynor**Time and method of notification:** In person @ 1230 by Verbal**Name of Caltrans Engineer notified:** Stanley Ku**Time and method of notification:** 19-Nov-08, Verbal**QC Inspector's Name:** Dan Raynor (Discussed at OBG meeting on 20-Nov-08)**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 Sang Le, +(86) 1.381.615.4716, who represents the Office of Structural Materials for your project.

QUALITY ASSURANCE -- NON-CONFORMANCE REPORT

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Inspected By:	Dautermann,Peter	SMR
Reviewed By:	Dautermann,Peter	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, PRC**Report No:** NCS-000120**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Date:** 03-Dec-2008**Submitting Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **NCR #:** ZPMC-0193**Type of problem:**

Welding	Concrete	Other	
Welding	Curing	Procedural	Bridge No: 34-0006 L/R
Joint fit-up	Coating	Other	Component:
Procedural	Procedural	Description:	

Date the Non-Conformance Report was written: 19-Nov-2008**Description of Non-Conformance:**

The Contractor has painted structural steel components without approval of the Interzinc 22 product being used at the paint facility. The Contractor has submitted to the Caltrans Quality Assurance Inspector the paint test results from the lab in Shanghai, China. As per Andy Rogerson of the Chemical Testing Branch of Caltrans, the coating does not meet the Specifications for the vehicle nonvolatile content of 45.7% +or- 2% from AASHTO M300 test performed by International. This coating has been applied to multiple parts listed on the paint reports received from the contractor.

Contractor's proposal to correct the problem:

Team China sent a letter, TC Letter 05.03.08-000008, to ABF notifying ABF that the paint used by ZPMC failed Caltrans' test. No response from the Contractor received at the time Construction directed METS to close the NCR.

Corrective action taken:

Closed by Caltrans Construction. METS closed the NCR based on Construction's direction.

Did corrective action require Engineer's approval? Yes No**If so, name of Engineer providing approval:** Stanley Ku and Doug Wright **Date:** 03-Dec-2008**Is Engineer's approval attached?** Yes No Email of concurrence to close NCR and copy of TC 05.03.08-0000**Comments:**

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Inspected By: Dautermann, Peter

Quality Assurance Inspector

Reviewed By: Dautermann, Peter

QA Reviewer