

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001296**Date Inspected:** 13-Sep-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** William (Bill) Oak**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** Office, Lift 3 East, Miscellaneous Metal, Lift**Bid Item:** 77, 78, 79**Lot No:** B265**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. James Lumley arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

**Office**

Attend to project documentation and reports.

**Lift 3 East**

Repairs on internal surfaces to remove rust-stain from previously applied coatings and re-establish SSPC SP-10 condition to areas of exposed base metal and welds from Non Destructive Testing of welds. Previously applied Interzinc 22 currently undergoing sweep blasting process of localized rust stained areas. Repairs primarily on floor area and "T" stiffeners and locations beneath temporary support structures from Panel Point 18-23 including side panels.

**Miscellaneous Metal**

Base metal surfaces of 4"L" splice plates were de-greased in accordance with SSPC SP-1 in preparation of abrasive blasting. ABF personnel performed inspection as this work was concurrent with work in assembly area.

**Lift 3 West**

ZPMC applied "Mist coat" of Interfine 979 on Bottom Plate connection assembly and bolts of Cross Beam attachment area. After mist coat was applied the Bottom Plate as well as the Cross Beam Bottom Plate and the East Side Plates including the external portions of the FL-3 beams were top coated with Interfine 979 finish coat. Prior to application of Interfine 979 coatings the exposed bolts were inspected for encapsulation with Interzinc 52 on the Bottom Plate faying surface of the Cross Beam below the FL-3 Beams.

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# SOURCE INSPECTION REPORT

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Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley when achievable. International Protective Coatings technical service representative were available for inspections and consultation.

**Summary of Conversations:**

Caltrans QA Lumley inquired with ABF QA Bill Oak as to why no Notice of Inspections were sent by ZPMC for any work/repairs associated with Lift 4 East since loaded upon the ship.

**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 Eric Tsang, (858) 699-9549, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Lumley,James	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer

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