

**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 #: 04-0120F4  
Cty: SF/ALA Rte: 80 PM: 13.2/13.9  
File #: 69.15

**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002372**Date Inspected:** 19-Nov-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:** Coating Inspection**Bridge No:** 34-0006**Component:** OBG 7AW, Lift 1 West, Sub-Assemblies, Gal**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:

**OBG 7AW**

Internal Base Metal surfaces of the "U" Rib Stiffeners Upper Corner Units Diaphragms and Upper Chevron Connections and FL-2-1 Beams were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 applied. Base metal exhibited "Pitting" in localized areas of Diaphragm and additional abrasive blasting was required prior to application of undercoat. Three (3) inspections were performed prior to application of undercoat.

**Lift 1 West**

Previously undercoated Faying surfaces of the Floor Stiffeners from Panel Points 8.5-9.5 were re-abrasive blasted to remove damaged undercoat and re-application of Interzinc 22 was applied to Base Metal/SSPC SP-10 surfaces.

**Sub-Assemblies**

Previously Galvanized Cable Support brackets which were repaired with "Aerosol" re-cleaned in accordance with the contract documents and newly exposed Base Metal were touched up with Interzinc 52. This repair amends previously issued Incident Report. Work was performed at the Galvanizing workshop.

**Sub-Assemblies**

Base Metal surfaces of Six (6) Traveler Rail Brackets were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 applied. Component codes: TR7B, TR1B, TR1E, TR2A, TR1A, TR1C.

**Office**

Organize and file project documentation and ZPMC reports.

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# SOURCE INSPECTION REPORT

( Continued Page 2 of 2 )

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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 informed personnel at Galvanizing facility that Interzinc 52 to be utilized for repairs to damaged areas of Galvanized components for SAS Bridge Project.

**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>	Peterson,Art	QA Reviewer

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