

**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 #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001517**Date Inspected:** 07-Apr-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**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:** OBG 4BE, OBG 1BE, Sub-Assemblies**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 4BE**

ZPMC and ABF QA/QC representatives affixed dollies on exterior surfaces for adhesion testing. Also perform holiday repairs of Interzinc 22 and applied Interzinc 52 to interior surfaces of bolt holes.

**Sub-Assemblies**

Edge conditioning on splice plates behind paint workshop #1 & 2

**Sub-Assemblies**

Abrasive blasting operations on base metal surfaces was inspected jointly with ZPMC & ABF QA/QC representatives and Caltrans QA Lumley. Grinding operations took place after blasting operations followed up by re-blasting and application of Interzinc 22 to prepared base metal surfaces.

**Counterweights:**

Previously coated Interzinc 22 surfaces exhibited mechanical damage and ZPMC personnel perform touch-up operations with Interzinc 52. Verbal directive per ABF QA Bill Oak to caulk the perimeter crevices with SIKA 221 caulking to prevent rust bleed from open seams.

**OBG 1BE**

Began de-greasing and washing operations to exterior and interior surfaces. Inspected jointly with ZPMC/ABF QA/QC and Caltrans QA Lumley surfaces were touched up of grease deposits. Edge trimming not performed prior to entering the blast shop.

---

---

# SOURCE INSPECTION REPORT

( Continued Page 2 of 2 )

---

---

## Summary of Conversations:

No relevant conversations on this date.

## 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.

---

<b>Inspected By:</b>	Lumley,James	Quality Assurance Inspector
----------------------	--------------	-----------------------------

---

<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer
---------------------	----------------	-------------