

**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-001476**Date Inspected:** 28-Mar-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 4AE, OBG 3BW**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 4AE**

Performed joint three party inspection Caltrans QA Lumley ZPMC and ABF QA/QC representatives visually inspected interior surfaces during in process repair work on this segment. Bolt holes were in process of receiving Interzinc 52 application and some minor abrasions as well were being attended to on Interzinc 22 and being repaired with Interzinc 52 as well, ambient conditions were monitored by ZPMC QC and were within the contract documents and the coating manufacturers parameters.

**OBG 3AW**

Visual inspection was performed by Caltrans QA Lumley of stiffener installation beneath the cantilevered section of the deck plate. No repair was performed to the heat affected zones nor to locations adjacent to and below the heat affected zone as well, dross and weld spatter was evident on previous inspection. The access scaffold has since been removed.

**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

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## SOURCE INSPECTION REPORT

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your project.

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**Inspected By:** Lumley,James

Quality Assurance Inspector

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**Reviewed By:** Miller,Mark

QA Reviewer