

**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-001489**Date Inspected:** 17-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 3AE**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 3AE

Caltrans QA Lumley performed visual inspection of this segment while still located within paint shop. During this inspection areas were identified for re-work and repairs and marked. Areas of re-work and repairs were primarily on the interior portion and the repairs consisted of runs, non-uniformity, dry spray, light areas of Interzinc 22 coated surfaces.

Note: Inspection was performed during nightshift with a small flashlight inside the segment was very dark and there was no additional lighting present. Visibility was limited and traversing within the segment was hazardous. No ZPMC or ABF personnel were present.

OBG 3AW, 3BW &amp; 4AW

Caltrans QA Lumley checked "fit up" area behind the tower workshop, ZPMC personnel were still working on getting proper alignment of segments for welding purposes. Holes were drilled and base metal shavings and mechanical damages were evident on segment 4AW.

**Summary of Conversations:**

No relevant conversations on this date.

**Comments**

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## SOURCE INSPECTION REPORT

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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>	Miller,Mark	QA Reviewer

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