

**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-001284**Date Inspected:** 27-Aug-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:** OBG 6BE, Cross Beam #2, North Tower 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 paperwork and project documentation.

North Tower Lift#1

Internal surfaces were inspected for de-greasing operations after ZPMC performed water washing operations. Some minor localized areas required additional de-greasing operations, residues from water washing operations and internal surfaces of bolt holes were attended to by ZPMC personnel concurrent with inspection. Initial inspection request was delayed as no internal lighting was provided by ZPMC.

Cross Beam #2

Resumed repairs to internal damaged areas and re-abrasive blasted affected areas to Base metal and an SSPC SP-10 condition and re-application of Interzinc 22. Areas of the internal ceiling area require re-blasting and repairs to flame damaged areas, this work has still not been performed.

OBG 6BE

MEK testing and Pencil hardness testing was performed and determined to comply with Specification. Adhesion testing was also performed concurrent with previous tests on surfaces coated with Interzinc 22 and found to all be above 4Mpa.

Office

Resumed office paperwork and organization of the project documentation.

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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:**

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.

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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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