

**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-001215**Date Inspected:** 29-Jun-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1200**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2359**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:** South Tower Lift #2, Tower Base Plate, Traveler**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:

**South Tower Lift #2**

Internal surfaces inspected by ABF QA/QC personnel were rejected due to low DFT (Dry Film Thickness) and holidays and dry-spray on Interzinc 22 coated surfaces. ZPMC personnel are in process of making repairs for amendment and re-inspection. External Interzinc 22 coated surfaces were tested for cure and chlorides values. Visual inspection was also performed and DFT (dry film thickness) verification. ZPMC applied "mist" coat of Interfine 979 to external surfaces.

**Traveler Brackets**

ZPMC personnel masked off faying surfaces coated with Interzinc 22 and applied "mist" coat Interfine 979 to all other exposed surfaces within the paint shop.

**West Tower Lift #1**

Tower base plate was transported to blast shop and de-greased in accordance with SSPC SP-1 in preparation of abrasive blasting operations. Note: No Green Tag observed on this item.

**South Tower Lift #2**

Re-inspection for repair verification on internal surfaces coated with Interzinc 22, inspection from 65M-53M and end shaft, ZPMC in process of repairs with Interzinc 52 to cope holes and edges, also removal of dry-spray ongoing.

Note: All inspections were performed jointly with ZPMC & ABF QA/QC representatives and Caltrans QA

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# SOURCE INSPECTION REPORT

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Lumley when achievable. International Protective Coatings technical service representative was 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
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<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer
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