

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4  
Cty: SF/ALA Rte: 80 PM: 13.2/13.9  
File #: 69.15

**SOURCE INSPECTION REPORT**

**Resident Engineer:** Pursell, Gary  
**Address:** 333 Burma Road  
**City:** Oakland, CA 94607

**Report No:** SIR-002360  
**Date Inspected:** 22-Dec-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

<b>Quality Control Contact:</b>	William (Bill) Oak	<b>Quality Control Present:</b>	Yes	No
<b>Material transfer:</b>	Yes No N/A	<b>Sampled Items:</b>	Yes No N/A	
<b>Stock Transfer:</b>	Yes No N/A	<b>OK to Cut:</b>	Yes No N/A	
<b>Rebar Test Witness:</b>	Yes No N/A	<b>Delayed/Cancelled:</b>	Yes No N/A	

**Other:** Coating Inspection

**Bridge No:** 34-0006

**Bid Item:** 77, 78, 79

**Component:** Office, OBG 7EE, OBG 8AW, Lift 1 West, L

**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**

Reviewed Specification relative to Pitting for Task Leader and how it relates to the Side Plate of Lift 2 East. No clauses in Painting section address the issue only references were made were found in AASHTO and AISC criteria.

ABF satellite office reviewed and signed Notices of Inspection and ZPMC QC reports.

**Lift 1 West**

Internal "Final" inspection of the Upper "U" Rib Stiffener and Upper Chevron Assemblies FL-2-1 Beams for general compliance prior to scaffold removal, some minor touch up was required during in process inspection and ZPMC was informed the access system could be removed.

**OBG 7EE**

Internal undercoated surfaces were tested for adhesion and all areas tested were above specified value of 4Mpa.

Repairs were made to the undercoat damaged areas from the testing using Interzinc 52.

**OBG 8AW**

Internal and External surfaces were washed and de-greased in preparation of abrasive blasting operations.

**Lift 1 East**

Internal surfaces of the Side and Bottom Plate "T" Stiffeners and lower Chevron Assemblies and lower undercoated surfaces were inspected for a "Final" inspection and found to be incomplete and additional repairs were discovered.

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# SOURCE INSPECTION REPORT

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Office

Meeting with Caltrans Engineer Bill Howe and ASMR Skyler Guest to discuss Tag out and Punch-list items as well as update on progress of coating repairs. Also of mention was a final walk through inspection after all Sea Fastening components were installed to secure the Lifts for transport from China to California.

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>	Peterson,Art	QA Reviewer

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