

**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-002389**Date Inspected:** 16-Jan-2010**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:** Don Walton**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:** Coating Inspection**Bridge No:** 34-0006**Component:** OBG 7BE, OBG 7BW, OBG 7CW, OBG 8BE**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:

Sub-Assemblies  
Base Metal surfaces of Cross Beam Bottom Plate for OBG 7BE were washed and de-greased in accordance with SSPC SP-1 in preparation of abrasive blasting.

Sub-Assemblies

Base Metal surfaces for Cross Beam Bottom Plate of OBG 7BW were scheduled for an abrasive blast inspection and then cancelled by ZPMC.

OBG 7CW

External undercoated surfaces were tested for cure and chlorides and hardness in accordance with the contract documents and then undercoated surfaces were then "Mist" coated with Interfine 979 after testing was found to be within the criteria specified in the Special Provisions.

OBG 8BE

Internal Base Metal surfaces were given a preliminary abrasive blast from Panel Points # 65, 66 to End Weld Seam for a VT inspection of welds. Caltrans QA welding personnel Larry Viars and Tim McClendon performed VT inspection and mapped accordingly. Base metal defects such as gouges and sharp edges and fins and burrs were ground down at this time prior to final abrasive blasting operations.

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

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# SOURCE INSPECTION REPORT

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inspections and consultation.

**Summary of Conversations:**

ABF QA Manager Don Walton informed Caltrans QA Lumley that ZPMC had cancelled the inspection of OBG 7BW when Caltrans QA Lumley was halfway to destination.

**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>	Peterson,Art	QA Reviewer
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