

**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-001448**Date Inspected:** 04-May-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:** Cross Beam #3, South Tower Lift#1,**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:

**Cross Beam #3**

ZPMC performing abrasive blasting operations to base metal surfaces on exterior and interior. ZPMC requested VT inspection Caltrans Steve Hall arrived to discover abrasive not cleaned from base metal interior surfaces, VT was requested on two more occasions and Caltrans QA Lumley informed Steve Hall VT not ready to be performed.

**South Tower Lift #1**

Edge grinding and edge conditioning being performed prior to abrasive blasting operations.

Caltrans QA Lumley review backlog of ZPMC reports, reporting was backlogged due to holiday of ABF QA Bill Oak, No reports were turned in nor reviewed for approximately one month.

**OBG 5BW**

Interfine 979 "mist" coat was applied to exterior surfaces after sanding and screening was completed and surfaces blown down of dust and contaminants using dry compressed air.

**Assembly Area Lift #3 OBG**

ABF QA manager Bill Oak instructed and educated ZPMC QC representatives of the preferred method of identification of mud cracked areas for repairs, visual of mud cracks followed up with dry film thickness readings for verification.

**Cross Beam #3**

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# SOURCE INSPECTION REPORT

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Inspection was performed for base metal abrasive blasting, ABF QA Dave Duon and International Protective Coatings rejected blasted base metal surfaces, SSPC SP-10 was not achieved. VT inspection was performed by Caltrans QQA Mr. Larry Viars and Mr. Joe Alaniz and Mr. Umesh Gaikwad deficiencies were noted by these personnel and documented. Note No ZPMC CWI present during VT inspection. Grinding of sharp edges and fabrication defects were in process at the time of this inspection.

**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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