

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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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-002431**Date Inspected:** 23-Mar-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:** Sub-Assemblies, OBG 9AW, Lift 6 West, Off**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

Update ASMR Mike Ng on status of painted items which were determined to be in general compliance as signed by Caltrans Engineers on Notices of Inspections which were performed jointly in various locations within ZPMC facility for Shipment #2.

Lift 6 West

ZPMC personnel installed a containment enclosure and utilized dehumidification for application of Finish coat of Interfine 979 to the cross Beam Termination Bottom Plates bolted assemblies which affix the FL-3 Beams for Cross beams #5 & 6. Immediately after application the containment enclosures were removed from both locations and dehumidification removed prior to cure/drying in accordance with the manufacturer's technical data sheets and thus exposed newly applied coating to non compliant atmospheric conditions (rain today) and subsequently relocated the component from Dock #5 to the transport ship #17 and placed the newly applied coated areas in direct contact with the Sea Fastener wood block softeners. Caltrans QA Lumley generated an Incident Report for this activity and submitted to ASMR Skyler Guest.

Sub-Assemblies

Interfine 979 finish coating was applied to 6-Suspender Brackets Coded: SB36E, SB38E, SB40E, SB44E, SB36W, SB46E within paint shop #2.

OBG 9AW

SOURCE INSPECTION REPORT

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Internal and external base metal surfaces were washed and de-greased in accordance with SSPC SP-1 in preparation of abrasive blast operation.

Sub-Assemblies

Counterweights CW40 & CW42 repairs from welding additional brackets on external were previously abrasive blasted on the affected areas and Interzinc 22 undercoat re-applied. ZPMC now applied Interfine 979 "Mist" coat to these components and additionally 1- Traveler Rail Bracket Code: TR1C-PP42 was "Mist" coated concurrently with this work.

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:

Caltrans QA Lumley inquired to ABF Don Walton as to why ZPMC would place "wet" coated materials upon Sea Fastening supports knowingly damaging newly applied coatings.

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.

Inspected By:	Lumley,James	Quality Assurance Inspector
Reviewed By:	Peterson,Art	QA Reviewer
