

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-001323**Date Inspected:** 21-Oct-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2000**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:** Office, OBG 6CE, Sub-Assemblies, Lift 2 West**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

Download project photo's and attend to project documentation.

OBG 6CE

Base metal surfaces of the external Side and Bottom plates and Top plate were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 applied.

Sub-Assemblies

Suspender Brackets SB14E, SB16E, SB20E, SB22E, SB26E and Bikeway Brackets BK003-001, BK002-001 as well as Cross Beam accessories M201A were inspected for Finish coat application prior to Final Inspection.

Suspender brackets required touch up on areas of the weld relief holes and adjacent to welds and faying surfaces all other components were in general compliance and ready for Final Inspection verification by Caltrans Engineer.

Dry Film Thickness (DFT) range of the Suspender Brackets was 240-340um.

Sub-Assemblies

Base metal surface of 20 pieces of Cable Tray components were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 applied. Profile amplitude was 65-80um.

Lift 2 West

Internal Cross Beam termination and FL-3 beams were inspected for a "Final" inspection. Areas exhibited incomplete repairs and dry-spray on undercoated surfaces as well as Low DFT areas and areas of exposed base

SOURCE INSPECTION REPORT

(Continued Page 2 of 2)

metal. Interzinc 22 was being applied at time of inspection requested by ZPMC also the upper portion directly beneath the Top Plate was inaccessible for inspection.

OBG 7AE

Base metal surfaces were washed and de-greased in accordance with SSPC SP-1 in preparation of abrasive blasting operations.

ASMR Jim Simonis attend to data collection of paint samples for lab analysis, Batch # KK0104PV & KK0106PV Inorganic Zinc Rich Primer.

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) 699-7549, who represents the Office of Structural Materials for your project.

Inspected By:	Lumley,James	Quality Assurance Inspector
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Reviewed By:	Carreon,Albert	QA Reviewer
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