

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-001223**Date Inspected:** 04-Jul-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1200**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2359**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:** Weld Seams, Suspender Brackets, Counterweight**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:

Suspender Brackets

Bracket code numbers: SB20W, SB22W, were abrasive blasted to base metal and an SSPC SP-10 condition to amend repairs from mud cracking, Interzinc 22 was re-applied to the affected areas.

Counterweight

Counterweight code # CW20 in trial assembly area was inspected for cleanliness and completion of repairs prior to "mist" coat application and rejected by ABF QA Bill Oak due to uncured Interzinc 52 visible and dirt and contaminants visible.

OBG 2AW/2BW & 2AE/2BE

Weld seam repairs were performed and surfaces were abrasive blasted to base metal and an SSPC SP-10 condition and Interzinc 22 applied.

Weld Seams

Weld seam repairs to Lifts # L3E/L4E & L4E/L5E surfaces were re-blasted to base metal and an SSPC SP-10 condition and Interzinc 22 re-applied.

Counterweight

Surfaces and areas in contact with concrete and cement materials were coated with Intercure 200HS for repairs and amendment prior to attachment of the counterweight to the segment.

Suspender Brackets

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Suspender bracket code numbers: SB12E, SB28E, SB12W, SB18W, SB24W underwent complete removal of all previously applied coatings by abrasive blasting to base metal and an SSPC SP-10 condition and re-application of Interzinc 22 was carried out. This determination was directed by ZPMC QC representatives after numerous "spot" repairs had previously been repaired.

Note: All inspections were performed jointly with ZPMC & ABF QA/QC representatives and Caltrans QA Lumley when achievable . International Protective Coatings technical service representative Peng ZiLi was available for inspection 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) 699-9548, who represents the Office of Structural Materials for your project.

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