

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-002406**Date Inspected:** 06-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, Cross Beam #4, Cross Beam**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

Cross Beam #4, and six (6) Suspender Brackets as well as the four (4) requested test panels were top-coated with Interfine 979 finish coating. Suspender Brackets codes: SB30E, SB30W, SB32E, SB32W, SB34E, SB34W.

Sub-Assemblies

ZPMC requested a "Final" topcoat inspection of BK001-018PP33, BK001-022PP43, BK001-023PP45 for a Final Topcoat general compliance. CT QA Lumley performed Dry Film Thickness (DFT) readings and photo-documented top-coated surfaces then called via telephone Caltrans Engineer Bill Howe and informed him that the 3 bikeway cantilever brackets were in general compliance with the contract documents, based on the information which relayed to Caltrans Bill Howe relative to the Bikeway Brackets permission was granted to wrap the three units for shipment. Also included in this request Counterweights # 40 & 44 which were also in general compliance and wrapped for shipment.

Sub-Assemblies

Bikeway Cantilever Bracket BK001-024 was re-abrasive blasted to an SSPC SP-10 condition and Interzinc 22 undercoat re-applied. This re-work was performed due to incomplete fabrication/welding.

Sub-Assemblies

Base Metal surfaces of approximately 800+- Splice Plates, Channel Iron, and Angle iron were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 undercoat applied.

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Cross Beam #5

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

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) 699-9549, who represents the Office of Structural Materials for your project.

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