

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 69.15

SOURCE INSPECTION REPORT

Resident Engineer: Pursell, Gary
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: SIR-001238
Date Inspected: 12-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: L4E, Cross Beam #3, Miscellaneous Metal, B

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:

Bikeway Brackets

Performed follow-up inspection with ABF QA Bill Oak in paint shop #2 bikeway bracket repairs unacceptable and rejected by ABF QA, dirt and contaminants visible, green overspray on external surfaces, smoke damage/staining visible on Interfine 979 final top-coated surfaces.

L4E

Fabrication damages from trial assembly flame/welding processes repaired at various locations on FL3 beams and stiffeners were abrasive blasted to SSPC SP-10 condition and Interzinc 22 re-applied. Coatings applied outside approved paint shop Caltrans QA to generate incident report and also informed ZPMC QC and ABF QA representative onsite.

Cross Beam #3

Internal surfaces were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 re-applied to areas marked and designated by ZPMC QC which exhibited mud cracking. Coatings applied outside approved paint shop Caltrans QA to generate incident report and also informed ZPMC QC and ABF QA representative onsite.

Miscellaneous Metal

Base metal surfaces of approximately 60 (sixty) pieces of splice plates and channel iron were washed and de-greased in accordance with SSPC SP-1 in preparation of abrasive blasting operations.

Suspender Brackets

SOURCE INSPECTION REPORT

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Base metal surfaces of 2 (two) suspender brackets coded SB10W & SB10E were washed and de-greased in accordance with SSPC SP-1 in preparation of abrasive blasting operations.

Note: All inspections were performed jointly with ABF & ZPMC QA/QC representatives and Caltrans QA Lumley when achievable. International Protective Coatings technical service representative was available for inspection and consultation.

Summary of Conversations:

altrans QA Lumley informed ABF & ZPMC QA/QC personnel of generation of incident reports for coating outside "approved shop" as stated in State Letter 05.03.01-004556 Dated July 6, 2009.

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:	Carreon,Albert	QA Reviewer
