

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-001337
Date Inspected: 20-Jun-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

Bid Item: 77, 78, 79

Component: Miscellaneous Metal, South Tower Lift #1, B

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:

Miscellaneous Metal

Base metal surfaces of splice plates, fill plates, cable tray assemblies were abrasive blasted to an SSPC SP-10 condition and Interzinc 22 applied. Also de-greasing operations performed on cable tray assemblies.

Bikeway Brackets

Three (3) bikeway brackets were inspected for dry film thickness (DFT) of previously applied full topcoat Interfine 979 and areas were discovered to be below the specified minimum. ZPMC make repairs and amend. Bracket code numbers: BK001-006, BK001-001, BK001-014. Additional topcoat Interfine 979 applied.

South Tower Lift #1

38M-48M areas were visually inspected and found to require localized repairs by ABF QA representatives areas were rejected by ABF QA and scheduled for re-work. Also some minor repairs were performed on the exterior surfaces and Interzinc 52 applied surface area approximately 3X3 cm.

General

Performed site walk with Skyler Guest as he is taking over coatings related issues once handled by Andrew Ferng. Site walk consisted of visits to blast and paint shops #1 & #2 and Galvanizing facility.

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

SOURCE INSPECTION REPORT

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Summary of Conversations:

Discussed project documentation and consolidation of such with Skyler Guest relative to aspects of coatings related issues.

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
