

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-001445**Date Inspected:** 07-May-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**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:** OBG 2AW, OBG 3AW, East Tower Lift #1 C**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:

OBG 3AW

Base metal of the drip edge was abrasive blasted to SSPC SP-10 and Interzinc 22 applied. This area is incomplete for fabrication of this work.

Cross Beam #3

DFT and chloride testing was performed on the exterior surfaces and MEK rub. All testing performed was within specification requirements and application of "mist" coat Interfine 979 commenced. Dollies were also affixed for future adhesion testing and verification.

East Tower Lift #1

In process edge conditioning is being performed prior to abrasive blasting operations.

Miscellaneous Metal

De-greasing operations being performed on cable tray assemblies and splice plates as well as edge conditioning, ABF QA representative rejected edge conditioning edges improperly ground.

Miscellaneous Metal

Approximately 850 pieces of splice plates and angle iron were abrasive blasted to SSPC SP-10 and Interzinc 22 applied to base metal surfaces. Approximately 50% of these were previously abrasive blasted and rejected by ABF QA representatives due to improper edge conditioning.

Galvanized Handrails

SOURCE INSPECTION REPORT

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Caltrans QA Lumley with ABF Don Walton jointly inspected approximately 80 handrails and in process galvanizing operations at ZPMC galvanizing facility, at time of inspection handrails were in compliance with ASTM 123.

OBG 2AW

Interior floor "T" stiffeners and adjacent base metal surfaces were abrasive blasted to SSPC SP-10 condition, grinding operations of burrs , fins and sharp edges were amended and re-blasted and Interzinc 22 applied to substrates after blow down operations.

Note: incomplete welding of floor "T" stiffener was observed after blasting operations Caltrans QA Rodney Patterson was notified and verified and tracked incomplete weld location.

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
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Reviewed By:	Carreon,Albert	QA Reviewer
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