

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: 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-000562**Date Inspected:** 23-Apr-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 0**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 12**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai

Quality Control Contact:	ABF Paint Supervisor William (Bill) [Name obscured]	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: Surface Preparation and Coatings Application**Bridge No:** 34-0006**Component:** OBG**Bid Item:** 79, 80, 81**Lot No:** B226**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Donald Jordan 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: Mets Lab Supervisor Andy Rogerson was visiting the site today. Caltrans Senior Onsite Structural Materials Representative Sang Le requested that Caltrans QA Coatings Inspector Jordan take them on a tour of the painting operations. Mr. Jordan conducted a tour of the blast and paint shops accompanied by Caltrans Structural Materials Representative (SMR) Andrew Ferng. During the tour Mr. Rogerson was able to see miscellaneous connections plates that had been abrasive blasted in blast shop 2 and splice plates that had been primed in paint shop 2. Mr. Jordan pointed out the problems we are facing regarding fabrication defects being corrected in the blast shops prior to coating. In the paint shops we also looked at OBG counterweight segments, deck lighting bases, and finish coated OBG units. 2 OBG units were being repaired due to mud-cracking in the zinc primer. He observed the method being used after abrasive blasting to feather in the existing coating prior to primer application in the repair areas.

We then walked over to the OBG Assembly Area. After arriving Mr. Le stated that the tour should continue after lunch to look at the OBG's in the Assembly Area. Caltrans QA Coatings Inspector James Lumley will continue the tour. Caltrans QA Coatings Inspector Jordan is off duty after 12:00.

Fabrication on assembled components of the OBG's are not complete. Coating damage requiring re-blast is expected.

Summary of Conversations:

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There were 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 Mazen Wahbeh (China) +8613472477571, who represents the Office of Structural Materials for your project.

Inspected By:	Jordan,Don	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
