

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-002476**Date Inspected:** 10-Jul-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:** Shanghai, China**Quality Control Contact:** Mr. 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:** See Below**Bid Item:** 77, 78, 79**Lot No:** B #204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE II coating inspector, Mr. Baskar Govindarajan 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 II coating inspector observed the following:

1. An inspection was requested on the OBG Counter weight (CW) External primer repaired areas -CW 60, CW External surface -11 sets for MEK Pencil hardness test of Mist coating, CW Cover plate external surface -CW 46 to CW 70 -26 PCS and Bike path external surfaces -2 sets vide request no. 3638 at Painting shop 1& 2. This Caltrans inspector observed, ABF inspectors Mr. Shi stone, and Mr. Hong Cai yan performing said inspection check. It was observed that, These surfaces were accepted for finish coat by ABF Inspectors. The result of Salt test found to be 20 us/cm and MEK test found to be in Grade 5 at 2 places which is acceptable as per contract documents. The ambient conditions were monitored and is 5 deg. above dew point and the relative humidity found to be 83.2% which is acceptable as per contract documents. International protective coatings technical service representative Mr. Lou Qian Chuan was found present during the course of this inspection process. (Photograph showing Results of MEK test and Salt test inspection is attached)

2. An inspection was requested for the OBG External surface (L8W) for final acceptance, vide notification no. 3635 at OBG assembly yard. This Caltrans inspector observed, ABF inspectors Mr. Shi stone performing said inspection check. The same was found Rejected by ABF Inspectors for incomplete Mist coat, High DFT and dust particles in mist coat. Also, the ambient conditions measured and is found 1.6 deg. above dew point which is not acceptable as per contract documents. International protective coatings technical service representative Mr. Lou

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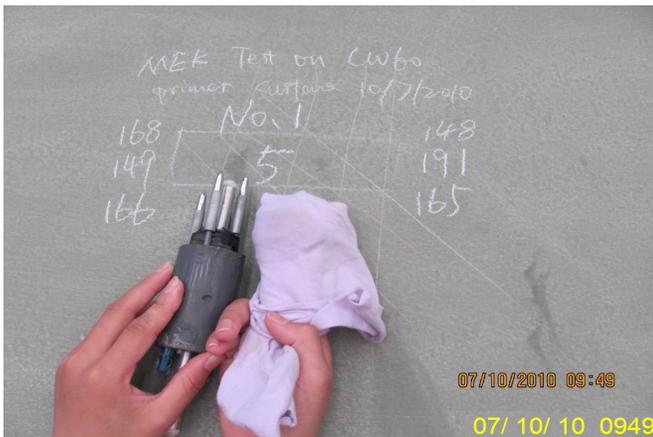
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Qian Chuan was not found present during the course of this inspection process. Caltrans inspectors also not found for final acceptance offer.

3. An inspection was requested for the OBG External surface (L&E) for final acceptance, vide notification no. 3634 at Blasting shop no. 4. This Caltrans inspector observed, ABF inspectors Mr. Shi stone performing said inspection check. The same was found Rejected by ABF Inspectors for incomplete Mist coat, High DFT and dust particleSs in mist coat. Also, the ambient conditions measured and is found 1.6 deg. above due point which is not acceptable as per contract documents. International protective coatings technical service representative Mr. Lou Qian Chuan was not found present during the course of this inspection process. Caltrans inspectors also not found for final acceptance offer.

4. An inspection was requested for the OBG internal entire ceiling part (10AW), vide inspection request no. 3641. This Caltrans inspector observed, ABF inspector Mr. Vince, Mr. David and Mr. Kasi Wang performing the Pre Blasting inspection. CT inspectors Mr. Tim McClendon (B 290), Mr. Larry Viars (B252), Mr. Subasis Bera (B 205), Mr. Vibin (B 294) found present during the preblast inspection. All the weld repairs like porosity marked for weld repair and its recorded in weld maps by B 290. Points marked for gring and touch ups by ABF and CT Inspectors. After attending these points, the segment offerd for profile inspection, vide notification no. 3650. The profile during this inspection measured bu ZPMC QC Inspectors found to be 76 to 86 microns which is acceptable as per contract documents. Minor reblasting found pointed out by ABF Inspectors like edges, corners. International protective coating representative Mr. Lou Qian Chuan was found present during the inspection process.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

No applicable Conversations

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 Michael Ng (15921845703), who represents the Office of Structural Materials for your project.

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Inspected By:	Baskar, Govindarajan	Quality Assurance Inspector
Reviewed By:	Clifford, William	QA Reviewer