

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

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-002207**Date Inspected:** 14-May-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:

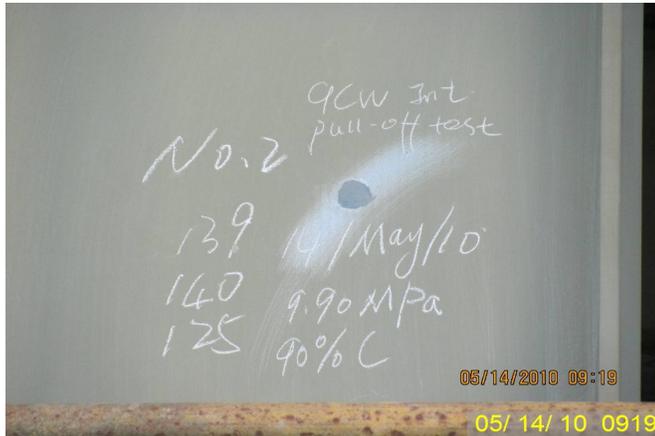
1. An inspection was requested on the OBG Segment 9CW for adhesion test of internal surfaces at the East Gate of the painting workshop no. 1, vide request no. 3303. This Caltrans inspector observed, ABF inspectors Mr. Stone and Mr. Wei performing the said inspection. The adhesion test was carried out in 7 places and the result found to be in the range of 7.21 Mpa with 100% cohesion to 15.65Mpa which is acceptable as per contract documents. International protective coatings technical service representative Mr. Li peng was found present during the course of this inspection process. (Photo of adhesion test carried out in internal surface no.2 with 90 % cohesion failure, and 9.9 Mpa is attached)
2. An inspection was requested on the OBG Catway handrail -78 nos for surface preparation inspection before dipping into the Zinc pot, vide request no. 3305 at Galvanizing workshop 1. This Caltrans inspector observed, ABF inspectors Mr. Sun performing said inspection check. This was found accepted by ABF Inspector which was subject to minor Grinding at marked places. International protective coatings technical service representative was not found present during the course of this inspection process. Photograph of some of the catway handrail is attached which was taken during Inspection.
3. An inspection was requested on the OBG Segment 9DW for External support areas for surface preparation

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inspection for the application of Interzinc 22 vide request no. 3304 at Paint shop 1. This Caltrans inspector observed, ABF inspectors Mr. Wei, Mr. Stone and Mr. Yui performing said inspection check. The Profile found to be 82 to 84um which is acceptable as per contract documents. The ambient conditions were monitored and found to be 8.3 deg. above dew point. The relative humidity found to be 55.2%. (Photo attached). International protective coatings technical service representative Mr. Li peng was found present during the course of this 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 Skyler Guest (15000422360), who represents the Office of Structural Materials for your project.

Inspected By: Baskar, Govindarajan

Quality Assurance Inspector

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Reviewed By: Clifford,William

QA Reviewer