

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-002206**Date Inspected:** 07-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:

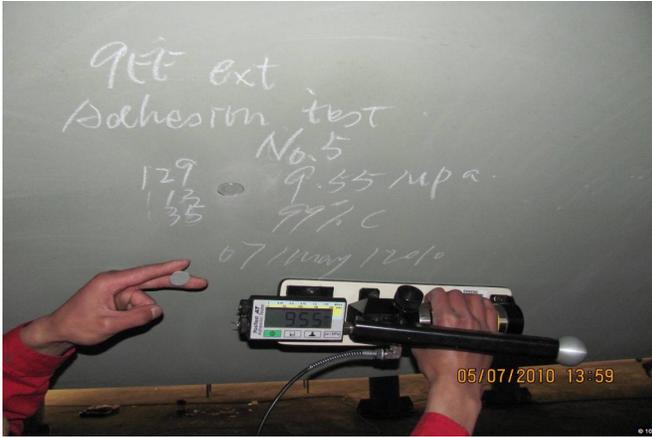
1. An inspection was requested on the OBG Splice plates J-B-1477-2 -46 nos and X27A- 13 nos for surface preparation inspection vide request no. 3271 at Blasting workshop no. 2. This Caltrans inspector observed, ABF inspectors Mr. Turtle and Mr. Yui performing the said inspection. The profile observed was in the range of 78 to 80 microns 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.
2. An inspection was requested on the OBG Segment 9EE for adhesion test vide request no. 3274 at Paint shop 1. This Caltrans inspector observed, ABF inspectors Mr. Turtle performing said inspection check. The results carried out with calibrated pull off adhesion tester found to be in the range of 5.73 MPA to 9.55Mpa 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. Photograph of Adhesion test carried out on Segment 9EE with 99% cohesion failure is attached.
3. An inspection was requested on the OBG Segment 9EE for MEK test and DFT check after the application of Interzinc 22 vide request no. 3275 at Paint shop 1. This Caltrans inspector observed, ABF inspectors Mr. Turtle, Mr. Sun, Mr. Stone and Mr. Yui performing said inspection check. The results of MEK test found to be in the

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Grade 5 which is acceptable as per contract documents. This was found rejected by ABF Inspectors for Over blast, Mud cracking and dust in some of the areas. The ambient conditions were monitored and found to be 13.5 deg. above dew point. The relative humidity found to be 37%. 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.

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