

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-002506**Date Inspected:** 19-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 Suspender Bracket external one end after Finish Coating, vide request no. 3739 at Painting Shop 1. This QA inspector observed, Mr. Shi Stone from ABF carrying out DFT of the finish coat and found within the the range of 230 to 320 microns which is acceptable as per contract documents. The suspender Brackets offered for inspection are SB 48E, SB 48W, SB52W, SB54W, SB56E, SB60E -6 nos. International protective coatings technical service representative was not found present during the course of this inspection process. (Photo attached)
2. An inspection was requested on the OBG internal entire floor from P.P 56 to P.P 57 (L7W)- 1 Section, vide request no. 3740 at Heavy Dock Jetty, Port no. 5. This QA inspector observed, ABF inspectors Mr. Sun, Mr. Wei and Mr. Shi stone performing the said inspection and Rejected the same for Damage spots, Holidays and over blast. This was again reoffered for final acceptance vide Notification no. 3742. This QA inspector Observed, Mr. Shi stone from ABF doing the inspection and carrying out the DFT Readings. P.P 56 to 57, was found accepted by ABF Inspector subject to caulking has to be carried out in last stage of shipment. P.P 55 to 56 found Rejected for Overblasting, rust and sagging. International protective coatings technical service representative Mr. Lou Qian Chuan. was found present during the course of this inspection process.

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3. An inspection was requested on the OBG internal entire floor from P.P 56 to P.P 60 (L7E)- 4 Sections, vide request no. 3737 at Heavy Dock Jetty, Port no. 5. This QA inspector observed, ABF inspectors Mr. Sun, Mr. Wei and Mr. Shi stone performing the said inspection and Rejected the same for Holidays, Rust and over blast. This was again reofferd for final acceptance vide Notification no.3741. It was found that ABF INSpector accepted only P.P 58 to P.P 59. The other 3 sections rejected for Mud crack, Staining, Grit contamination. International protective coatings technical service representative Mr. Lou Qian Chuan. was found present during the coarse of this inspection process.

4. An inspection was requested on the OBG Splices 6 nos and Traveler Rail -2 nos, 21TR2-002, 21TR3-003, vide request no. 3738 at West Gate of thye Blasting workshop for Washing and De greasing. This QA inspector observed, ABF inspectors Mr. Wei performing the said inspection and accepted the same for Blasting as per SSPC SP10. International protective coatings technical service representative Mr. Lou Qian Chuan. was found present during the coarse of this inspection process.

5. During Quality Assurance (QA) random in-process coatings observation, this Quality Assurance Inspector (QA) observed, Lift 8 –East Loaded into ship at Port no. 5 –Heavy Dock jetty without Caltrans (CT) Final acceptance. External Interfine 979 Finish was rejected 3 times by Caltrans Engineer Mr. Aaron Prichlik for Low DFT, Grit contamination, Orange peeling and Dry spray.The date and Notification nos of earlier rejections are 17 July 2010(2 times by notification nos 3709 and 3712), on 12 July 2010, notification no. 3666, respectively. After loading the access for bottom plate in Lift 8 E for finish coat inspection found to be approximately 600 mm. Also, No access for Bottom support areas and FL3 Bottom panel bolt touch up areas- finish coat inspection. This QA inspector wrote an Incident Report. (Photo attached)

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

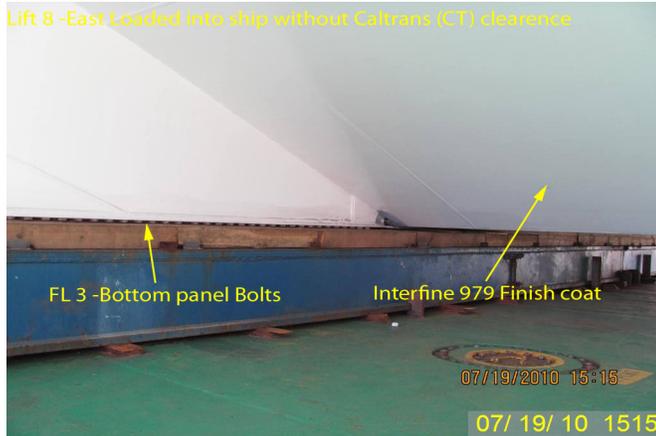
Summary of Conversations:

No relevent Conversation



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

Inspected By: Baskar, Govindarajan

Quality Assurance Inspector

Reviewed By: Clifford, William

QA Reviewer