

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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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-002524**Date Inspected:** 20-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 internal entire floor from P.P 50 to P.P 51 and P.P 53 to P.P 55 (L7W)- 3 Sections, vide request no. 3757 at Heavy Dock Jetty, Port no. 5. This QA inspector observed, ABF inspectors Mr. Sun, Mr. Wei and Mr. Hong performing the said inspection and accepted all sections after cleaning the surfaces by vacuum cleaner. This acceptance is subject to caulking has to be carried out in last stage of shipment. International protective coatings technical service representative Mr. Lou Qian Chuan. was 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 55 to P.P 56 and P.P 51 to P.P 52 (L7W)-2 Sections, vide request no. 3748 at Heavy Dock Jetty, Port no. 5. This QA inspector observed, ABF inspectors Mr. Sun, Mr. Wei and Mr. Hong performing the said inspection and accepted all sections after cleaning the surfaces by vacuum cleaner. This acceptance is subject to caulking has to be carried out in last stage of shipment. International protective coatings technical service representative Mr. Lou Qian Chuan. was found present during the course of this inspection process.
3. An inspection was requested on the OBG internal entire floor from P.P 59 to P.P 60 and P.P 56 to P.P 58 (L7E)- 3 Sections, vide request no. 3749 at Heavy Dock Jetty, Port no. 5. This QA inspector observed, ABF

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inspectors Mr. David, Mr. Wei and Mr. Shi stone performing the said inspection and Rejected the same for Holidays, Rust and sagging. This was again reofferd for final acceptance vide Notification no.3755. It was found that ABF inspector accepted these sections. 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 internal entire floor from P.P 54 to P.P 56 (L7E)- 2 Sections, vide request no. 3760 at Heavy Dock Jetty, Port no. 5. This QA inspector observed, ABF inspectors Mr. Hong, Mr. Wei and Mr. Shi stone performing the said inspection and Rejected the same for Damaged spots and Over blast. International protective coatings technical service representative Mr. Lou Qian Chuan was found present during the coarse of this inspection process.

5. An inspection was requested on the OBG External Top Deck, L8E, vide request no. 3753 at Ship no.9, Heavy Dock Jetty. This QA inspector observed, ABF inspectors Mr. Wei, Mr. Hong and Mr. Sun performing the said inspection and Rejected the same for Surface rust. This QA Inspector observed that, sand paper applied to remove these rust, but only in few areas. Numerous places, this surface rust found not removed. It was also observed that, Wooden pieces kept on Deck panel at Several places. Hence these areas are not accessible for inspection of Top surface. International protective coatings technical service representative Mr. Lou Qian Chuan. was found present during the coarse of this inspection process. As per IP Representative, these rust is not a major issue, once its removed completely in all areas.(Photo of Surface rust in Deck panel is attached)

6. An inspection was requested on the OBG External support areas (L8W), vide request no. 3747 at OBG assembly yard. This QA inspector observed, ABF inspectors Mr. Wei performing the said inspection and accepted the same after cleaning the edges of the surface with sand paper. The profile test conducted at 3 places found to be in the range of 37 to 46 microns which is acceptable as per Contract Documents. International protective coatings technical service representative Mr. Lou Qian Chuan was found present during the coarse of this inspection process.

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



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Lift 8 West, External support areas, Surface inspection



Lift 7, West, Internal final acceptance inspection at Ship no. 19



Summary of Conversations:

No Relevant Conversation

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.

Inspected By: Baskar, Govindarajan

Quality Assurance Inspector

Reviewed By: Clifford, William

QA Reviewer