

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:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002643**Date Inspected:** 03-Sep-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 Tower Diaphragm L Splices -64 nos and 77 mtr. Façade accessories(splices) -19 nos at Paint shop 1, vide inspection request no. T 1173 for DFT check after Interzinc 22 application. This QA inspector observed, ABF inspector Mr. Don Walton and Mr. Stone inspecting all the surfaces. This was found accepted by ABF Inspectors, after observing DFT which is in the range of 105 to 120 microns and faying surfaces 68 microns, 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.

2. An inspection was requested on the OBG Splices -816 pieces and Lamp support brackets -3 nos (LB3-002, LB3-003, LB4-002) at Blast shop 2, vide inspection request no. 4158 for Surface preparation inspection and Residual chlorides test inspection. This QA inspector observed, ABF inspector Mr. Don Walton and Mr. Stone inspecting all the surfaces. This was found accepted by ABF Inspectors, after minor Reblast for splices. Lamp support brackets found rejected by ABF Inspectors for grinding and edge repairs. 3 nos of Weld repair have been informed to Mr. Art Peterson (B 273) and he took a note of that in the drawing. X 3 profile found in the range of 74 to 85 microns and salt test result found to be 30us/cm 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. (Photo of lamp support bracket during blasting inspection is attached)

SOURCE INSPECTION REPORT

(Continued Page 2 of 3)

3. An inspection was requested on the Suspender Brackets -SB 84E and SB84W for Washing and Degreasing at West Gate of the Blasting shop , vide inspection request no. 4159 . This QA inspector observed, ABF inspector Mr. Don Walton and Mr. Stone inspecting all the surfaces. This was found accepted by ABF Inspectors. International protective coatings technical service representative Mr. Lou Qian Chuan was found present during the course of this inspection process. (Photo attached)

4. An inspection was requested on the OBG segment 11AW, internal entire Floor from the pre weld seam to P.P 95 and P.P 96 (2 sections) for Surface preparation inspection , vide request no. 4160 at Blast shop 1. This QA inspector observed, ABF inspectors Mr. Stone, and Mr. Wei performing the said inspection. This Caltrans inspector observed, Mr. Vibin (B 294) , Mr. Tim McClendon (B 290), Mr. Pillai (B286), Mr. Larry Viars (B 252) and Mr. Art Peterson (B 273) from CT were present during the inspection and they marked all the Grinding points, Grinding +MT and weld repair points. This QA inspector observed, ABF inspectors rejected all internal surfaces for Overblast and poor blasting. This was again offered for inspection vide notification no. 4165. This was found rejected again by ABF inspectors for low profile and irregular profile in some places. International protective coatings technical service representative Mr. Lou Qian Chuan. was found present during the course of this inspection process.

5. An inspection was requested on the OBG Cross beam CB 12 for Surface preparation inspection for Finish coat application after Mist coat, vide inspection request no. 4161 at Paint shop 1. This QA inspector observed, ABF inspector Mr. Helen and Mr. Wei inspecting all the surfaces. This was found rejected by ABF inspectors for improper curing of Interzinc 52 in touch up areas. International protective coatings technical service representative Mr. Lou Qian Chuan 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.

Washing and Degreasing of Suspender Brackets



Lamp post Brackets- Blasting inspection at Blast shop 2



Summary of Conversations:

No Relevant Conversation

Comments

SOURCE INSPECTION REPORT

(Continued Page 3 of 3)

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 Michel 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
