

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:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002642**Date Inspected:** 02-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 OBG segment 11AW, internal entire ceiling (3 sections) for Surface preparation inspection and Residual chlorides test, vide request no. 4141 at Blast shop 1. This QA inspector observed, ABF inspectors Mr. Stone, Mr. Turtle and Mr. Helen performing the said inspection. This Caltrans inspector observed, Mr. Vibin (B 294), Mr. Chandra (B 247), Mr. Tim McClendon (B 290), Mr. Bera (B 205) and Mr. Pillai (B286) 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. 4144 and 4148. This was found rejected again by ABF inspectors for low profile and irregular profile in some places. For third time after attending these profile points, ZPMC found offered for inspection again vide notification no. 4149 and accepted by ABF inspectors. The surface profile measured by ZPMC QC inspectors found to be in the range of 76 to 85 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 attached)

2. An inspection was requested on the OBG connection weld seam internal entire surface Blasting between 9CW, 9DW and Between 9DW and 9EW at OBG assembly yard, vide inspection request no. 4140. This QA inspector observed, ABF inspector Mr. Helen and Mr. Turtle inspecting all the surfaces. This was found accepted by ABF

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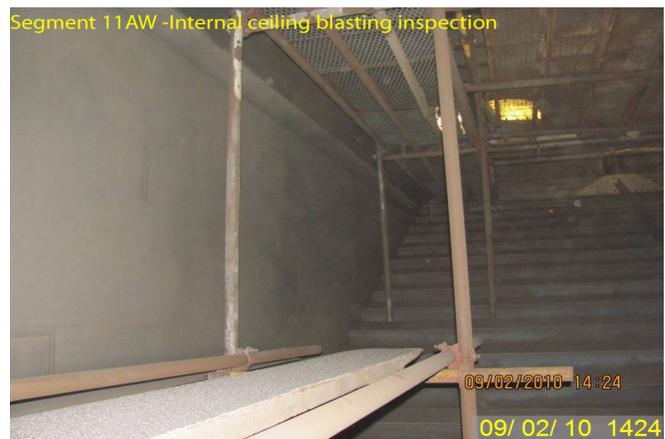
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Inspectors, after observing ZPMC attended some grinding and reblasting marked by ABF inspectors. Surface profile test conducted by ZPMC QC inspectors at 3 places and the results found to be in the range of 72 to 82 microns which is acceptable as per contract documents. International protective coatings technical service representative Mr. Lou Qian Chuan was found present during the course of this inspection process.

3. An inspection was requested on the OBG connection weld seam internal entire surface Blasting between 9BW, 9CW at OBG assembly yard, vide inspection request no. 4142. This QA inspector observed, ABF inspector Mr. Wei and Mr. Vince inspecting all the surfaces. This was found accepted by ABF Inspectors, after observing ZPMC attended some grinding and reblasting marked by ABF inspectors. Surface profile test conducted by ZPMC QC inspectors at 3 places and the results found to be in the range of 76 to 82 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.

4. An inspection was requested on the OBG Cross beam CB 12 for Adhesion test, vide inspection request no. 4145 at Paint shop 1. This QA inspector observed, ABF inspector Mr. Helen and Mr. Wei inspecting all the surfaces. The result of adhesion test conducted by ZPMC QC inspectors with ABF equipment at 2 places found to be 6 Mpa and 12.3 Mpa respectively 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.

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



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

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