

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:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001544**Date Inspected:** 13-Nov-2009**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:** Changxing dao, Shanghai**Quality Control Contact:** Mr. William Bill oak**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:** Segment 6CW, 6AW and splice plates**Bid Item:****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, 6CW, internal ceiling floor beam and corner unit for repair painted areas which was painted during unacceptable ambient conditions as stated in Document no. PR 008, Rev. 03, request no. 1959. This Caltrans inspector observed, ABF inspectors Mr. Bill oak, Mr. Sun and Mr. wei performing surface preparation inspection and profile measurement. All areas which was around 100 to 150 sq. mtr. found reblasted. The ambient conditions found to be 6.6 deg. above dew point and the relative humidity found to be 66% inside the paint shop which is found to be within the parameters of contract documents. International protective coating technical service representative Mr. Peng Zi li was in attendance during the inspection process.
2. An inspection was requested for splice plates X37L -56 nos and reblasted splice plates – X 38B-72 nos, X 38 D-72 nos, X38H – 140 nos, X38L- 76 nos, as per document no. PR 008, Rev. 03, request no. 1960. This Caltrans inspector observed, ABF Inspectors Mr. Bill oak, Mr. wei and Mr. Sun performing surface preparation and profile check inspection. Ambient conditions were monitored and found to be within the parameters of contract documents. International protective coating technical service representative Mr. Peng Zi li was in attendance during the inspection process.
3. An inspection was requested for the cross beam terminal bottom plate external surface of 6AW (CB5), as per

SOURCE INSPECTION REPORT

(Continued Page 2 of 2)

document no. PR 008,Rev. 03, request no. 1962. This Caltrans inspector observed, ABF Inspectors Mr. Bill oak, Mr. wei and Mr. Sun performing measuring DFT for the primer application. The DFT found to be in the range of 110 to 125 microns. ABF inspectors asked ZPMC to perform minor touch ups of bolt holes. Ambient conditions were monitored and found to be within the parameters of contract documents. International protective coating technical service representative Mr. Peng Zi li was in attendance during the inspection process.

4.An inspection was requested for OBG segment 7BE external surfaces, as per document no. PR 008,Rev. 03, request no. 1961. This Caltrans inspector observed, ABF Inspectors Mr. Bill oak, Mr. wei and Mr. Sun performing DFT measurement of the external surfaces and witnessing residual chlorides test performed by ZPMC. After DFT check, ABF Inspectors asked ZPMC to perform repair (1252) on bottom plate. The same was found accepted by ABF inspectors after necessary repair work. Ambient conditions were monitored and found to be within the parameters of contract documents. International protective coating technical service representative Mr. Peng Zi li was in attendance during the inspection process.

5.An inspection was requested for Degreasing and cleaning of East tower, Lift 1, Skin A TO E, 0 to 9 mtr. length in height at Heavy dock jetty area as per document no. PR 008,Rev. 03, request no. T 247. This Caltrans inspector observed, ABF Inspector Mr. Sun witnessing residual chlorides test on the external surfaces which was performed by ZPMC. After that spray cleaning operations performed by ZPMC. Ambient conditions were monitored and not found to be suitable for blasting. i.e. 2 deg. above dew point.

Summary of Conversations:

Nil

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 Eric Tsang, (858) 699-9549, who represents the Office of Structural Materials for your project.

Inspected By:	Baskar,Govindarajan	Quality Assurance Inspector
----------------------	---------------------	-----------------------------

Reviewed By:	Clifford,William	QA Reviewer
---------------------	------------------	-------------