

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 #: 50.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001722**Date Inspected:** 31-Jan-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), Jiangyin**Location:** Chang xing Dao, Shanghai**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 for surface preparation inspection for OBG connection weld seam internal ceiling U rib joining areas before the splices assembled between 5AW to 5CW at OBG assembly yard, request no. 2595. This Caltrans inspector observed, ABF Inspector Mr. Shi stone, performing Blasting inspection of the specified areas. The splices between 5AW and 5BW found rejected by ABF since it was not ready. The splices between 5BW and 5CW found accepted after ZPMC attended the marked points for grinding and reblasting. Surface profile on the blasted areas measured by ZPMC by coarse grain method found to be 70 to 82 microns which is acceptable as per contract documents. Ambient conditions were monitored and found to be 5.6 deg. above dew point and the relative humidity found to be 58.4% over the specified area 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 Degreasing and cleaning of OBG splice plates SEG 28-X 106J -43 nos, J-B-1350-54 nos, ZP 06-187-313-1350- 5 nos, GGL-MQ-1497/BKX1A- 13 nos and Cover plate GGL-MK-1502-32 nos, request no. 2593. This Caltrans inspector observed, the same was found accepted by ABF after ZPMC completed the Degreasing and cleaning works.
3. An inspection was requested on the OBG segment, 7EW, External surfaces for the visual Inspection after Pre blasting, vide request no. 2594. This Caltrans inspector observed, ABF inspectors Mr. Sun, Mr. Jiang huan, Mr.

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Zhou wei and Mr. wei chang yun performing visual inspection of weld repairs, Spatters, dent etc. Caltrans Inspectors Mr. Larry viars, Mr. Vibin and Mr. Tim mclandon were present during this inspection. Several points have been marked by Caltrans inspectors and ABF Inspectors which was attended by ZPMC Before offering the same segment again for Blasting clearance vide notification no. 2595. The same was found marked for minor blasting at U ribs, transverse weld and cross beam bolt holes by ABF Inspectors. This was found attended by ZPMC Personnels and was released for primer coat. The ambient conditions found to be 4.4 deg. above dew point and the relative humidity found to be 61.8% 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.

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

Summary of Conversations:

No applicable conversations

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 Skyler Guest (15000422360), who represents the Office of Structural Materials for your project.

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