

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:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002209**Date Inspected:** 21-May-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:

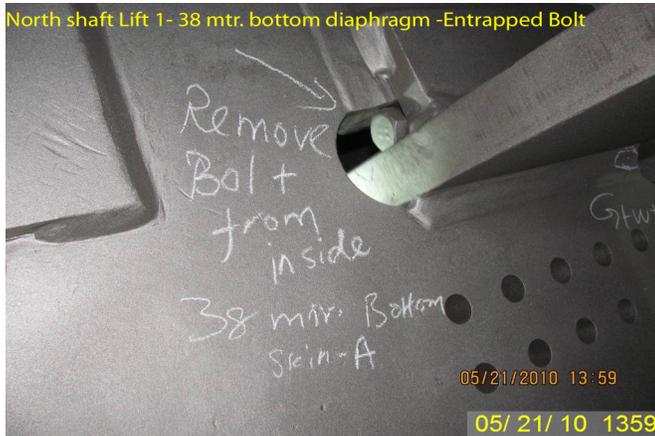
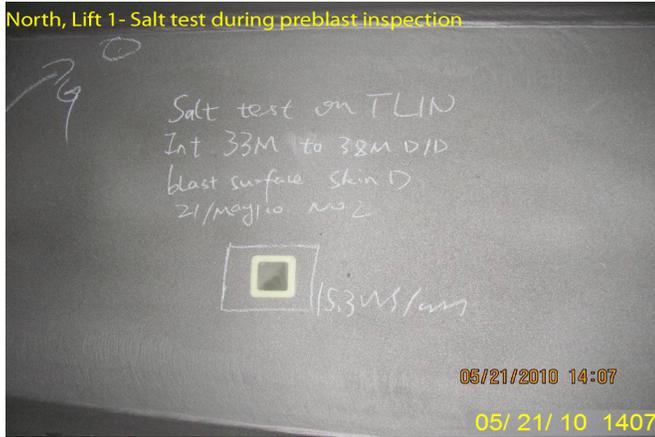
1. An inspection was requested on the OBG splice plates- 368 pieces and L Splixes -1 no. for Degreasing and cleaning inspection before blasting, vide request no. 3322 at Painting shop 2. This Caltrans inspector observed, ABF inspectors Mr. Yui and Mr. Sun performing said inspection check. It was observed that, all the pieces were accepted by ABF Inspectors after degreasing and cleaning by ZPMC personnels. International protective coatings technical service representative Mr. Li peng was found present during the course of this inspection process.
2. An inspection was requested for the Preblast inspection of North tower, Lift 1 internal surfaces from 38 mtr. top diaphragm to 50.3 mtr. tail end of the shaft, vide request no. T 434 at Blasting workshop no.1. This Caltrans inspector observed, ABF inspectors Mr. Don Walton, Mr. Sun and Mr. Shi stone performing said inspection check. Residual chlorides test has been conducted and the results found to be in the range of 15.3 us/cm to 21.4 us/cm which is acceptable as per contract documents. Photo of salt test conducted by ZPMC over Skin B near 38 mtr. elevation is attached. Several weld repair points for porosity, dent have been marked by ABF Inspectors and CT Inspector Mr. Chandra (B 247). These has to be marked for Magnetic particle testing (MT) after welding. One photo which shows the weld repair for a dent of approximately 5 mm deep in Skin D, near 38 mtr. elevation is attached with this report. Finally all the internal surfaces found rejected by ABF Inspectors for Grinding, grinding and MT and Weld repairs. It was observed that, a Bolt was entrapped in between fit lug in Skin A (AE Corner)

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near 38 mtr. bottom diaphragm. Photo of the same is attached with this report. International protective coatings technical service representative was not 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 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