

**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-003179**Date Inspected:** 07-Apr-2011**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:** 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:** Coatings Inspection**Bridge No:** 34-0006**Component:** Sub-Assemblies (OBG) and Sub-Assemblies**Bid Item:** 77,78,79**Lot No:****Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Kenneth W. Cason Jr. arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections is to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

**Sub-Assemblies (OBG)**

Maintenance Traveler Rails TR20-034, TR20-035, 20TR2-36, 20TR2-37, 20TR2-38 and 20TR2-44, NOI Number 6126: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Maintenance Traveler Rails TR20-034, TR20-035, 20TR2-36, 20TR2-37, 20TR2-38 and 20TR2-44 for dry film thickness (DFT) compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection prior to proceeding with process to the next check point due to low DFT readings.

Splices (48 Each) and Shim Plates (3 Each), NOI Number 6128: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on Splices (48 Each) and Shim Plates (3 Each). Test results recorded x3 surface profile readings of 78 to 84  $\mu\text{m}$ . No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Stiffeners X4068 (52 Each), Splices X4075 (182 Each), NOI Number 6129: In accordance with project

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## SOURCE INSPECTION REPORT

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specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Stiffeners X4068 (52 Each), Splices X4075 (182 Each) for dry film thickness (DFT) compliance. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Anchor Bearing Blocks (31 Each), Splices M201R (6 Each), M201C (12 Each), M201D (6 Each) and Maintenance Traveler Rail L-Splices (60 Each), NOI Number 5971: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Anchor Bearing Blocks (31 Each), Splices M201R (6 Each), M201C (12 Each), M201D (6 Each) and Maintenance Traveler Rail L-Splices (60 Each) in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Sub-Assemblies (Tower)

Facade Cover Plates (35 Each), NOI Number T2030: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Facade Cover Plates (35 Each) in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Office

This Quality Assurance Inspector (QA) reviewed, recorded and entered data from notice of inspection requests for the purpose of tracking and compliance to contract documents.

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

**Summary of 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 , who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Cason,Kenneth	Quality Assurance Inspector
<b>Reviewed By:</b>	Miller,Mark	QA Reviewer

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