

**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-003269**Date Inspected:** 02-May-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)**

Bike Path Panels BK4A-062, BK4A-060 and BK5A-002, NOI Number 6428: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Bike Path Panels BK4A-062, BK4A-060 and BK5A-002 in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Galvanized Traveler Rails (12 Each), NOI Number 6431: In preparation for undercoat (200HS) installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on Galvanized Traveler Rails (12 Each). No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Bike Path Panel BK5A-002, NOI Number 6433: 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 Bike Path Panel BK5A-002. Test results recorded x3 surface profile readings in the range of 80 to 84  $\mu\text{m}$  and x1 soluble salts reading of 12.3 ( $\mu\text{s/cm}$ ). ABF Quality Assurance personnel

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instructed ZPMC to re-work and re-submit for inspection prior to proceeding with process to the next check point due to additional required grinding and re-blasting.

Bike Path Panel BK5A-002, NOI Number 6437: 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 Bike Path Panel BK5A-002. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Corner Unit Stiffener SEG3003 (2 Each), NOI Number 6439: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Corner Unit Stiffener SEG3003 (2 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.

Lamp Bracket Tubes LB3100 and LB3001 (12 Each), NOI Number 6440: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Lamp Bracket Tubes LB3100 and LB3001 (12 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.

Shim Plates X3272K (48 Each), L-Splices (48 Each), Cat Way Channels (5 Each), Cable Supports CTS10-P-2 (2 Each), Splices SEG3014 (175 Each) and SEG3015 (244 Each), NOI Number 6442: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Shim Plates X3272K (48 Each), L-Splices (48 Each), Cat Way Channels (5 Each), Cable Supports CTS10-P-2 (2 Each), Splices SEG3014 (175 Each) and SEG3015 (244 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.

### Sub-Assemblies (Tower)

Tower Skirt Plate (Damaged Area Re-Blast) ND1-A713, NOI Number T2079: 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 Tower Skirt Plate (Damaged Area Re-Blast) ND1-A713. Test results recorded x1 surface profile readings in the range of 76  $\mu\text{m}$ . No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Miscellaneous Sub-Assembly Plates (240 Each), NOI Number T2080: 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 Miscellaneous Sub-Assembly Plates (240 Each). No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Miscellaneous Sub-Assembly Plates (105 Each), NOI Number T2081: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Miscellaneous Sub-Assembly Plates (105 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.

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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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