

**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-003110**Date Inspected:** 20-Mar-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).**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)**

L-Splices X4975C (19 Each), Diaphragm SA8509 and SA8510, NOI Number 6014: 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 L-Splices X4975C (19 Each), Diaphragm SA8509 and SA8510. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to additional required grinding and blasting.

L-Splices X4975C (19 Each), Diaphragm SA8509, SA8510 and Flumes (13 Each), NOI Number 6015: 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 L-Splices X4975C (19 Each), Diaphragm SA8509, SA8510 and Flumes (13 Each). Test results recorded x3 surface profile readings of 73 to 79  $\mu\text{m}$  and x1 soluble salts reading of 10.7 ( $\mu\text{s/cm}$ ). ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to additional required weld repairs, grinding and blasting.

Splices X3271G (58 Each), 3271J (19 Each), 3271T (18 Each), Shim Plates X3307C (32 Each), X321E (74 Each),

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# SOURCE INSPECTION REPORT

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Channels (20 Each) and Anchor Bearing Blocks (26 Each), NOI Number 6016: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Splices X3271G (58 Each), 3271J (19 Each), 3271T (18 Each), Shim Plates X3307C (32 Each), X321E (74 Each), Channels (20 Each) and Anchor Bearing Blocks (26 Each) for dry film thickness (DFT) compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to holidays in applied coating.

L-Splices X4975C (19 Each), Diaphragm SA8509, SA8510 and Flumes (13 Each), NOI Number 6017: 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 L-Splices X4975C (19 Each), Diaphragm SA8509 and SA8510. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit Flumes (13 Each) for inspection due to additional required blasting. No other discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Splices X3271G (58 Each), 3271J (19 Each), 3271T (18 Each), Shim Plates X3307C (32 Each), X321E (74 Each), Channels (20 Each) and Anchor Bearing Blocks (26 Each), NOI Number 6018: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Splices X3271G (58 Each), 3271J (19 Each), 3271T (18 Each), Shim Plates X3307C (32 Each), X321E (74 Each), Channels (20 Each) and Anchor Bearing Blocks (26 Each) for dry film thickness (DFT) compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to holidays in applied coating.

Splices (166 Each), NOI Number 6019: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Splices (166 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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