

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-003545**Date Inspected:** 26-Jul-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** Steve Lawton**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)

L13E Top Plate Assembly SA3412, NOI Number 7804: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L13E Top Plate Assembly SA3412 for dry film thickness (DFT) and final VT compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to defects in the applied Interzinc 22 undercoating.

L14E End Cover Plate External, NOI Number 7805: In preparation for mist coat installation of Interfine 979 Polysiloxane, the Interzinc 22 undercoat on L14E End Cover Plate External was tested in accordance with SSPC-SP 1 (Surface Cleanliness) and SSPC-PA 2 Dry Film Thickness (DFT). 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 improper surface preparation.

Bike Path Panel External Contact Support Area, NOI Number 7805: In preparation for mist coat installation of Interfine 979 Polysiloxane, the Interzinc 22 undercoat on Bike Path Panel External Contact Support Area was tested in accordance with SSPC-SP 1 (Surface Cleanliness) and SSPC-PA 2 Dry Film Thickness (DFT). ABF

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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 improper surface preparation.

L13E Internal Middle Section Ceiling and Vertical of Floor Beam from PP120 to PP124.5, NOI Number 7806: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L13E Internal Middle Section Ceiling and Vertical of Floor Beam from PP120 to PP124.5 for dry film thickness (DFT) and final VT compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to defects in the applied Interzinc 22 undercoating.

L13W Top Plate Assembly SA3232, NOI Number 7807: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L13W Top Plate Assembly SA3232 for dry film thickness (DFT) and final VT compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to defects in the applied Interzinc 22 undercoating.

L14W Internal Middle Section Ceiling and Vertical of Floor Beam from End Weld Seam to OBG End, NOI Number 7808: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L14W Internal Middle Section Ceiling and Vertical of Floor Beam from End Weld Seam to OBG End for dry film thickness (DFT) and final VT compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to defects in the applied Interzinc 22 undercoating.

L13W Top Plate Assembly SA3232, NOI Number 7811: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L13W Top Plate Assembly SA3232 for dry film thickness (DFT) and final VT compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to defects in the applied Interzinc 22 undercoating.

L13E External Contact Support Areas, NOI Number 7810: In preparation for mist coat installation of Interfine 979 Polysiloxane, the Interzinc 22 undercoat on L13E External Contact Support Areas was tested in accordance with SSPC-SP 1 (Surface Cleanliness) and SSPC-PA 2 Dry Film Thickness (DFT). ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to defects in the applied Interzinc 22 undercoating.

L13W Top Plate Assembly SA3231, NOI Number 7809: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L13W Top Plate Assembly SA3231 for dry film thickness (DFT) and final VT compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to defects in the applied Interzinc 22 undercoating.

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.

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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.

Inspected By:	Cason,Kenneth	Quality Assurance Inspector
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Reviewed By:	Miller,Mark	QA Reviewer
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