

**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-003541**Date Inspected:** 31-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 Internal West Ceiling and Vertical of Floor Beam from PP120 to PP121, NOI Number 7953: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L13E Internal West Ceiling and Vertical of Floor Beam from PP120 to PP121 for 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 Internal West, Middle and East Ceiling and Vertical of Floor Beam from PP118 to PP119-1.5M, NOI Number 7953: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L13E Internal West, Middle and East Ceiling and Vertical of Floor Beam from PP118 to PP119-1.5M for 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 Internal West Ceiling and Vertical of Floor Beam from PP121 to PP122, NOI Number 7954: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface

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condition on L13E Internal West Ceiling and Vertical of Floor Beam from PP121 to PP122 for 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 Internal East and West Ceiling and Vertical of Floor Beam from PP122 to End Weld Seam, NOI Number 7955: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L13E Internal East and West Ceiling and Vertical of Floor Beam from PP122 to End Weld Seam for 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 Internal West Ceiling and Vertical of Floor Beam from PP120.5 to PP121, NOI Number 7956: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L13E Internal West Ceiling and Vertical of Floor Beam from PP120.5 to PP121 for 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 Internal East Ceiling and Vertical of Floor Beam from PP121 to PP122, NOI Number 7956: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L13E Internal East Ceiling and Vertical of Floor Beam from PP121 to PP122 for final VT compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to incomplete caulking application.

L13E Internal East Ceiling and Vertical of Floor Beam from PP124 to PP124.5, NOI Number 7956: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L13E Internal East Ceiling and Vertical of Floor Beam from PP124 to PP124.5 for final VT compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to incomplete caulking application.

L13E Internal West Ceiling and Vertical of Floor Beam from PP121 to PP122, NOI Number 7957: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L13E Internal West Ceiling and Vertical of Floor Beam from PP121 to PP122 for 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 Internal West Ceiling and Vertical of Floor Beam from PP122 to PP124.5, NOI Number 7957: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L13E Internal West Ceiling and Vertical of Floor Beam from PP122 to PP124.5 for 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 Internal West Ceiling and Vertical of Floor Beam from PP120 to PP121, NOI Number 7957: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L13E Internal West Ceiling and Vertical of Floor Beam from PP120 to PP121 for final VT compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to

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defects in the applied Interzinc 22 undercoating.

L13E Internal West and Middle Ceiling and Vertical of Floor Beam from PP119-1.5M to PP119+1.5M, NOI Number 7958: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L13E Internal West and Middle Ceiling and Vertical of Floor Beam from PP119-1.5M to PP119+1.5M for 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 Internal West, Middle and East Ceiling and Vertical of Floor Beam from PP118 to PP119-1.5M, NOI Number 7958: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L13E Internal West, Middle and East Ceiling and Vertical of Floor Beam from PP118 to PP119-1.5M for 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.

**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
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<b>Reviewed By:</b>	Miller,Mark	QA Reviewer
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