

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-003565**Date Inspected:** 29-Jun-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:** 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)

L13W Internal East Section Floor and Vertical of Floor Beam from PP124 to End Weld Seam, NOI Number 7198:

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 L13W Internal East Section Floor and Vertical of Floor Beam from PP124 to End Weld Seam. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to additional required blasting.

Architectural Housing Cover Plates AH3151 and AH3152, NOI Number 7199: 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 Architectural Housing Cover Plates AH3151 and AH3152. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to surface profile readings high out of specification range.

L13W Internal Middle Section Floor and Vertical of Floor Beam from PP120 to PP121.5, NOI Number 7200: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF

SOURCE INSPECTION REPORT

(Continued Page 2 of 4)

and ZPMC Quality Assurance/Control representatives observed the surface preparation on L13W Internal Middle Section Floor and Vertical of Floor Beam from PP120 to PP121.5. Test results recorded x3 surface profile readings in the range of 64 to 83 μm and x2 soluble salts recorded readings of 17.9 and 20.0 ($\mu\text{s/cm}$). ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to additional required blasting.

L13W Internal Middle Section Floor and Vertical of Floor Beam from PP121.5 to PP122.5, NOI Number 7200: 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 L13W Internal Middle Section Floor and Vertical of Floor Beam from PP121.5 to PP122.5. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to additional required blasting.

L13E Internal Entire Ceiling and Vertical of Floor Beam from PP119-1.5M to PP119+1.5M, NOI Number 7201: 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 L13E Internal Entire Ceiling and Vertical of Floor Beam from PP119-1.5M to PP119+1.5M. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to additional required blasting.

L14E Internal East Section Ceiling and Vertical of Floor Beam from PP125 to OBG End, NOI Number 7202: 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 L14E Internal East Section Ceiling and Vertical of Floor Beam from PP125 to OBG End. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to additional required blasting.

L14E Internal Middle Section Ceiling and Vertical of Floor Beam Remain Part, NOI Number 7202: 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 L14E Internal Middle Section Ceiling and Vertical of Floor Beam Remain Part. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to additional required blasting.

L13E Internal Entire Ceiling and Vertical of Floor Beam from PP119-1.5M to PP119+1.5M, NOI Number 7203: 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 L13E Internal Entire Ceiling and Vertical of Floor Beam from PP119-1.5M to PP119+1.5M. No major discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Architectural Housing Cover Plates AH3151 and AH3152, NOI Number 7204: 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 Architectural Housing Cover Plates AH3151 and AH3152. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to surface profile readings high out of specification range.

Architectural Housing Cover Plates AH3151 and AH3152, NOI Number 7206: 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 Architectural Housing Cover Plates

SOURCE INSPECTION REPORT

(Continued Page 3 of 4)

AH3151 and AH3152. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to surface profile readings high out of specification range.

L14E Internal East Section Ceiling and Vertical of Floor Beam from PP125 to OBG End, NOI Number 7207: 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 L14E Internal East Section Ceiling and Vertical of Floor Beam from PP125 to OBG End. Test results recorded x3 surface profile readings in the range of 76 to 80 μm and x5 soluble salts recorded readings in the range of 18.2 and 24.1 ($\mu\text{s/cm}$). No major discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

L14E Internal Middle Section Ceiling and Vertical of Floor Beam Remain Part, NOI Number 7207: 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 L14E Internal Middle Section Ceiling and Vertical of Floor Beam Remain Part. No major discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

L13W Internal East Section Floor and Vertical of Floor Beam from PP124 to End Weld Seam, NOI Number 7208: 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 L13W Internal East Section Floor and Vertical of Floor Beam from PP124 to End Weld Seam. No major discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

L13W Internal Middle Section Floor and Vertical of Floor Beam from PP120 to PP121.5, NOI Number 7208: 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 L13W Internal Middle Section Floor and Vertical of Floor Beam from PP120 to PP121.5. No major discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

L13W Internal Middle Section Floor and Vertical of Floor Beam from PP121.5 to PP122.5, NOI Number 7209: 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 L13W Internal Middle Section Floor and Vertical of Floor Beam from PP121.5 to PP122.5. Test results recorded x2 surface profile readings in the range of 80 to 84 μm and x2 soluble salts recorded readings in the range of 16.7 to 24.4 ($\mu\text{s/cm}$). No major 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.

SOURCE INSPECTION REPORT

(Continued Page 4 of 4)

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
Reviewed By:	Miller,Mark	QA Reviewer
