

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

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-003422**Date Inspected:** 15-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)

L13E Internal East Section Ceiling & Vertical of Floor Beam from PP120 to PP124.5, NOI Number 6927: 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 East Section Ceiling & Vertical of Floor Beam from PP120 to PP124.5. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to additional required blasting.

L13E Bottom Plate External Surfaces, NOI Number 6927: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L13E Bottom Plate External Surfaces in preparation for blasting operations. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to the presence of oil and grease on substrate.

L13W Top Plate Remaining and External Entire Surfaces, NOI Number 6928: 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 Top Plate Remaining and External

SOURCE INSPECTION REPORT

(Continued Page 2 of 3)

Entire Surfaces. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to additional required blasting.

L13E Internal East Section Ceiling & Vertical of Floor Beam from PP120 to PP124.5, NOI Number 6929: 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 East Section Ceiling & Vertical of Floor Beam from PP120 to PP124.5. Test results recorded x8 soluble salts readings of 11.4, 12.5, 11.6, 13.6, 13.0, 19.7, 12.7 and 16.1 ($\mu\text{s/cm}$). ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to additional required blasting.

L13E Bottom Plate External Surfaces, NOI Number 6929: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L13E Bottom Plate External Surfaces in preparation for blasting operations. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to the presence of oil and grease on substrate.

L13E Internal East Section Ceiling & Vertical of Floor Beam from PP120 to PP124.5, NOI Number 6930: 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 East Section Ceiling & Vertical of Floor Beam from PP120 to PP124.5. No major discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

L13E Bottom Plate External Surfaces, NOI Number 6930: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on L13E Bottom Plate External Surfaces in preparation for blasting operations. No major discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

L13W Top Plate Remaining and External Entire Surfaces, NOI Number 6931: 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 Top Plate Remaining and External Entire Surfaces. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to additional required blasting.

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

SOURCE INSPECTION REPORT

(Continued Page 3 of 3)

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 |
|---------------------|-------------|-------------|