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 #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 69.15

SOURCE INSPECTION REPORT

Resident Engineer: Siegenthaler, Peter
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: SIR-003134
Date Inspected: 22-Mar-2011

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island

OSM Arrival Time: 700
OSM Departure Time: 1900
Location: Changxing Dao, Shangha

Quality Control Contact: Don Walton
Material transfer: ☐ Yes ☐ No ☑ N/A
Stock Transfer: ☐ Yes ☐ No ☑ N/A
Rebar Test Witness: ☐ Yes ☐ No ☑ N/A
Other: Coatings Inspection

Quality Control Present: ☑ Yes ☐ No
Sampled Items: ☐ Yes ☐ No ☑ N/A
OK to Cut: ☐ Yes ☐ No ☑ N/A
Delayed/Cancelled: ☐ Yes ☑ No ☐ N/A

Bridge No: 34-0006
Bid Item: 77,78,79

Component: Sub-Assemblies (OBG) and Sub-Assemblies (
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)

OBG Assembly Plates DP3062A, DP3063A, DP3064A, DP3172, DP3173 and DP3174, NOI Number 6026: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on OBG Assembly Plates DP3062A, DP3063A, DP3064A, DP3172, DP3173 and DP3174 for dry film thickness (DFT) compliance. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to install required caulking and then proceed with process to the next check point.

Bike Path Panel BK4A-031, Maintenance Traveler Rails 20TR2-039 and 20TR-040, NOI Number 6027: In preparation for finish coat Interfine 979 Polysiloxane installation and in accordance with project specifications and SSPC-SP 1, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on Bike Path Panel BK4A-031, Maintenance Traveler Rails 20TR2-039 and 20TR-040. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Bike Path Panels BK4A-033 and BK7A-001, NOI Number 6028: In preparation for mist coat installation of

Interfine 979 Polysiloxane, the Interzinc 22 undercoat on Bike Path Panels BK4A-033 and BK7A-001 was tested in accordance with SSPC-SP 1 (Surface Cleanliness), SSPC-PA 2 Dry Film Thickness (DFT) and ASTM D4752 (MEK Resistance of Ethyl Silicate (Inorganic) Zinc-Rich Primers by Solvent Rub). Test results were recorded with x1 MEK @ 5 and x1 MEK @ grade 3. ABF Quality Assurance personnel instructed ZPMC to re-submit for inspection Bike Path Panel BK7A-001 due to failed MEK resistance test. No other discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point on Bike Path Panel BK4A-033.

Splices (166 Each), NOI Number 6029: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Splices (166 Each) for dry film thickness (DFT) compliance. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Sub-Assemblies (Tower)

I-Beams SA3173 and SA3174, NOI Number T2022: 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 I-Beams SA3173 and SA3174. Test results recorded x1 soluble salts reading of 10.5 (µs/cm). ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection due to additional required grinding and blasting.

I-Beams SA3173 and SA3174, NOI Number T2023: 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 I-Beams SA3173 and SA3174. Test results recorded x3 surface profile readings of 77 to 82 µm. 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.

Inspected By: Cason,Kenneth Quality Assurance Inspector

SOURCE INSPECTION REPORT

(Continued Page 3 of 3)

Reviewed By: Miller,Mark QA Reviewer