

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-003203**Date Inspected:** 17-Apr-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**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)

Crash Barriers Internal Surfaces W2-SB20-001PP113-PP113.5 and E5-SB20A-002PP111.5-PP112, NOI Number 6232: In accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives recorded the results of adhesion testing on Crash Barriers Internal Surfaces W2-SB20-001PP113-PP113.5 and E5-SB20A-002PP111.5-PP112. ABF Quality Assurance personnel recorded x2 readings (11.89 mPa 100% c and 8.48 100% c). No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Splices X3294H (2 Each), X4094 (19 Each) and X4099 (60 Each), NOI Number: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Splices X3294H (2 Each), X4094 (19 Each) and X4099 (60 Each) in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Crash Barriers (12 Each), NOI Number 6234: In accordance with project specifications ABF and ZPMC Quality

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Assurance/Control representatives observed the surface condition on Crash Barrier Internal Surfaces (12 Each) for dry film thickness (DFT) compliance. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection W2-SB20-001PP113-PP113.5 due to low DFT readings. No other discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Splices X4077 (114 Each), Splices X4068 (204 Each) and West Anchor Plate WAAD-001 (4 Each), NOI Number 6235: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Splices X4077 (114 Each), Splices X4068 (204 Each) and West Anchor Plate WAAD-001 (4 Each) for dry film thickness (DFT) compliance. ABF Quality Assurance personnel instructed ZPMC to re-submit for inspection as work was still in progress.

Façade Cover Plates (18 Each), NOI Number 6236: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Façade Cover Plates (18 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.

Splices X3822H (48 Each), Splices X3822J (48 Each), X3822G (58 Each) and Splices X3822D (50 Each), NOI Number 6238: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Splices X3822H (48 Each), Splices X3822J (48 Each), X3822G (58 Each) and Splices X3822D (50 Each) in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Splices X4077 (114 Each), Splices X4068 (204 Each) and West Anchor Plate WAAD-001 (4 Each), NOI Number 6239: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Splices X4077 (114 Each), Splices X4068 (204 Each) and West Anchor Plate WAAD-001 (4 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.

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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Inspected By: Cason, Kenneth

Quality Assurance Inspector

Reviewed By: Miller, Mark

QA Reviewer