

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-002118**Date Inspected:** 26-Apr-2010**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:** Shanghai, China**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:****Bridge No:** 34-0006**Component:** OBG Components**Bid Item:****Lot No:** B-278**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance Inspector (QA) S. Manjunath. Math was present during the times noted above for observations relative to the work being performed.

Inspection for Surface Preparation and/or Coating Application.

Tower Components Inspection Request No. T323

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the Tower Components Surface preparation before applying the primer coat for Struts (18 Pieces), Strut Splices (272 Pieces), Strut L splices (72 Pieces) total 362 Pieces at blasting workshop no.2 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

Inspection Conclusions: Strut Splices 272 Pieces are accepted by ABF QA's one Salt Test performed and recorded results as 10 microns/cm and six locations surface profile recorded ranging between 72~84 microns Struts (18 Pieces) and Strut L Splices (72 Pieces) were rejected by ABF QA's and Caltrans QA concurred with the ABF QA's Inspection.

Tower Components Inspection Request No. T324

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the Tower Components Surface preparation before applying the primer coat for 28M Skin A Cover Assembly Façade Lift 1

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(25 Pieces) at blasting workshop no.2 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

Inspection Conclusions: Rejected by AFB QA's 10microns/cm salt test performed and Caltrans QA concurred with the ABF QA's Inspection.

Tower Components Inspection Request No. T325

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the Tower Components Surface preparation before applying the primer coat for 28M Skin A Cover Assembly Façade Lift 1 (25 Pieces) at blasting workshop no.2 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

Inspection Conclusions: Accepted 22 Pieces one salt test conducted 20microns/cm and three profile test conducted ranging from 77 to 78 microns and 3 Pieces were rejected by AFB QA's 10microns/cm salt test performed and Caltrans QA concurred with the ABF QA's Inspection.

OBG Internal Ceiling and Floor Beam Surface Inspection Request No. 3208

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the OBG Internal Ceiling and Floor Beams for Segment 9CW for Dry Film Thickness (DFT) measurement at painting workshop no. 1 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

Inspection Conclusions: Rejected by ABF QA's reason for rejections was over blast and High DFT areas not rectified and Caltrans QA concurred with the ABF QA's Inspection.

OBG Internal Ceiling and Floor Beam Surface Inspection Request No. 3209

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the OBG Internal Ceiling and Floor Beams for Segment 9CW for Dry Film Thickness (DFT) measurement at painting workshop no. 1 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

Inspection Conclusions: Rejected by ABF QA's reason for rejections was over blast and High DFT areas not repaired and Caltrans QA concurred with the ABF QA's Inspection.

Splices Inspection Request No. 3211

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the Splices total 130 pieces for Degreasing and Cleaning at East gate of the OBG fabrication workshop Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

Inspection Conclusions: Accepted by ABF QA's and Caltrans QA concurred with the ABF QA's Inspection.

OBG Internal Ceiling and Floor Beam Surface Inspection Request No. 3212

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the OBG Internal

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Ceiling and Floor Beams for Segment 9CW for Dry Film Thickness (DFT) measurement at painting workshop no. 1 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

Inspection Conclusions: Rejected by ABF QA's reason for rejections was over blast and High DFT areas not repaired and Caltrans QA concurred with the ABF QA's Inspection.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No Relevant Conversation

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 Eric T Sang 1500-0042-2372, who represents the Office of Structural Materials for your project.

Inspected By:	Math,Manjunath	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
