

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-002112**Date Inspected:** 29-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:** Mr. 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 and Tower**Bid Item:****Lot No:** B279**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, M. Manikandan was present during the time noted above for observations relative to the work being performed.

Inspection for Surface Preparation and/or Coating Application.

Tower Components Inspection Request No. T338

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the Struts Total 16 numbers for Surface Preparation before applying Primer coat at West gate of blasting workshop at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

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

Tower Components Inspection Request No. T339

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the Struts Total 11 numbers and Strut splices, Total 418 numbers for Dry Film Thickness (DFT) check at Paint shop No. 2 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

Inspection Conclusions: Rejected by ABF QA's as High-Low DFT observed and Caltrans QA concurred with the ABF QA's Inspection.

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Tower Components Inspection Request No. T340

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the Struts Total 11 numbers and Strut splices, Total 418 numbers for Dry Film Thickness (DFT) check at Paint shop No. 2 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

Inspection Conclusions: Accepted one side only for 418 numbers strut splices and 11 numbers strut were accepted after minor touch up by AFB QA's and Caltrans QA concurred with the ABF QA's Inspection.

OBG Internal Entire Floor Inspection Request No. 3231

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the OBG Internal entire floor for Segment 9DW for surface preparation before applying the primer coat at the blasting workshop 1 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

Inspection Conclusions: Rejected by ABF QA's reason been Gringing, Magnetic particle testing and reblast recommended and Caltrans QA concurred with the ABF QA's Inspection.

OBG Splices Inspection Request No. 3232

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the OBG Splices, Total 224 numbers for surface preparation before applying the primer coat at the blasting workshop 2 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

Inspection Conclusions: Accepted by ABF QA's after minor grinding and re-blast and Caltrans QA concurred with the ABF QA's Inspection.

OBG External surface Inspection Request No. 3233

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the OBG external surface for Segment 9DE for Surface preparation, DFT check, MEK test and residual chloride Test at Paint workshop no.1 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

Inspection Conclusions: Accepted all above test for entire external surface FL3 and FL2 locations masked off as over blast and holiday observed, Caltrans QA concurred with the ABF QA's Inspection.

OBG Splices Inspection Request No. 3234

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the OBG Splices and shim plates, Total 516 numbers for Degreasing and cleaning at Paint workshop 2 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

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

OBG Internal ceiling and floor beam Inspection Request No. 3235

A joint three party inspection was performed by ZPMC QC's, ABF QA's and Caltrans QA for the OBG internal ceiling and floor beam for Segment 9DE DFT check at Paint workshop no.1 at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC).

Inspection Conclusions: Rejected for over blast and low DFT by ABF QA's 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 Tsang 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Manikandan,Murugan	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
