

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:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001453**Date Inspected:** 01-Jan-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:** David Duan**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 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.

OBG External Surface Inspection Request No. 2404

A joint two party inspection was performed by ABF QA's and Caltrans QA for the Segment 8BW External Surfaces (Bottom Panel, Side Panel Cross Beam and Counter Weight side) at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at Blasting workshop no. 1 for Surface Preparation and Residual Chlorides Test.

Inspection Conclusions: Rejected by ABF QA's as grinding and re-blasting required and Caltrans QA concurred with the ABF QA's Inspection.

OBG Internal Ceiling, Floor Beams and Entire Floor Inspection Request No. 2405

A joint two party inspection was performed by ABF QA's and Caltrans QA for the OBG Internal Ceiling for Segment 8AE; OBG Internal Floor Beams for Segment 8AE at Panel Point (PP) 61, PP 62, PP 63 and PP 64 and OBG Internal Entire Floor for Segment 8AE at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at Painting workshop no. 1 for Dry Film Thickness (DFT) measurement.

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

OBG Internal Diaphragm Bottom Splice Inspection Request No. 2407

A joint two party inspection was performed by ABF QA's and Caltrans QA for the OBG Internal Diaphragm Bottom Splice X3P faying surface blasting for the following items at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at North Side of the OBG Assembly Yard for Surface Preparation prior to applying Primer Coat.

Segment 9AW between PP 72 to 73 – 2 Pieces.

Segment 9BW between PP 74 to 76 – 3 Pieces.

Segment 9CW between PP 77 to 79 – 3 Pieces.

Segment 10BE between PP 89 to 91 – 3 Pieces.

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

OBG External Surface Inspection Request No. 2408

A joint two party inspection was performed by ABF QA's and Caltrans QA for the Segment 8BW External Surfaces (Bottom Panel, Side Panel Cross Beam and Counter Weight side) at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at blasting workshop no. 1 for Surface Preparation prior to applying Primer Coat.

Inspection Conclusions: Rejected by ABF QA's as SSPC-SP-10 surface finish not achieved and recommended re-blasting and Caltrans QA concurred with the ABF QA's Inspection.

OBG External Surface Inspection Request No. 2409

A joint two party inspection was performed by ABF QA's and Caltrans QA for the Segment 8BW External Surfaces (Bottom Panel, Side Panel Cross Beam and Counter Weight side) at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at blasting workshop no. 1 for Surface Preparation prior to applying Primer Coat.

Inspection Conclusions: Rejected by ABF QA's as SSPC-SP-10 surface finish not achieved and recommended re-blasting and Caltrans QA concurred with the ABF QA's Inspection.

OBG External Surface Inspection Request No. 2410

A joint two party inspection was performed by ABF QA's and Caltrans QA for the Segment 8BW External Surfaces (Bottom Panel, Side Panel Cross Beam and Counter Weight side) at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at blasting workshop no. 1 for Surface Preparation.

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

OBG External remain area Inspection Request No. 2412

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A joint two party inspection was performed by ABF QA's and Caltrans QA for the Segment 8AE OBG External remain area at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at blasting workshop no. 1 for Surface Preparation, Methyl Ethyl Ketone (MEK) Test and Pencil Hardness.

Inspection Conclusions: Four (4) areas masked off as MEK and Pencil Hardness test failure observed during the test thus rejected those masked areas and rest accepted by ABF QA's and Caltrans QA concurred with the ABF QA's Inspection.

OBG External Surface Inspection Request No. 2415

A joint two party inspection was performed by ABF QA's and Caltrans QA for the Segment 8AW OBG External Surface at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at blasting workshop no. 1 for Surface Preparation, Methyl Ethyl Ketone (MEK) Test and Pencil Hardness.

Inspection Conclusions: Eight (8) areas MEK Test performed, Two (2) areas Salt Test with 10 micro siemen/cm and Pencil Hardness test accepted by ABF QA's and Caltrans QA concurred with the ABF QA's Inspection.

Tower External Splice Inspection Request No. T 289

A joint two party inspection was performed by ABF QA's and Caltrans QA for the Tower External Splice for TL2S and TL3S and Tower External Splice for TL2N and TL3N at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at blasting workshop no. 2 for Surface Preparation and Salt Test.

Inspection Conclusions: Rejected by ABF QA's as they recommended grinding and re-blasting at few areas. However 1 (One) Salt test performed and observed result as 10 micro siemen/cm and Caltrans QA concurred with the ABF QA's Inspection.

Tower External Splice Inspection Request No. T 290

A joint two party inspection was performed by ABF QA's and Caltrans QA for the Tower External Splice for TL2S and TL3S and Tower External Splice for TL2N and TL3N at Shanghai Zhenhua Port Machinery Co., Ltd., (ZPMC) at blasting workshop no. 2 for Surface Preparation and Salt Test.

Inspection Conclusions: Accepted by ABF QA's after re-blasting at few areas 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:

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:	Math,Manjunath	Quality Assurance Inspector
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Reviewed By:	Miller,Mark	QA Reviewer
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