

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 #: 04-0120F4Cty: 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-003524**Date Inspected:** 29-Jul-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:** Shanghai, China**Quality Control Contact:** Sun Xiang**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 Component**Bid Item:****Lot No:** B278**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector Mr. S. Manjunath Math was present during the time noted above for observations relative to the work being performed.

This QA Inspector observed the following work for Surface Preparation and/or Coating Application work in progress:

Lift 13 West, Inspection Request No. 7877

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following items at Zhenhua Port Machinery Company (ZPMC) on the Ship # 19.

Inspection was offered for the Inspecting Visual Inspection and Dry Film Thickness (DFT).

Lift 13 West, internal middle section ceiling and vertical of floor beam from PP 122 to PP 124.5 and Lift 13 West, internal middle section ceiling and vertical of floor beam from PP 121 to PP 122.

Inspection Conclusions: Rejected by ABF QA as numerous paint defects observed and Caltrans QA concurred with the ABF QA's Inspection.

Lift 13 West, Inspection Request No. 7878

SOURCE INSPECTION REPORT

(Continued Page 2 of 5)

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following items at Zhenhua Port Machinery Company (ZPMC) on the Ship # 19.

Inspection was offered for the Inspecting Visual Inspection and Dry Film Thickness (DFT).

Lift 13 West, internal middle section ceiling and vertical of floor beam from PP 122 to PP 124.5 and Lift 13 West, internal middle section ceiling and vertical of floor beam from PP 121 to PP 122.

Inspection Conclusions: Rejected by ABF QA as ZPMC didn't touch up any defects which ABF marked up and Caltrans QA concurred with the ABF QA's Inspection.

Lift 13 East, Inspection Request No. 7879

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following items at Zhenhua Port Machinery Company (ZPMC) on the Ship # 19.

Inspection was offered for the Inspecting Visual Inspection and Dry Film Thickness (DFT).

Lift 13 East, internal east section ceiling and vertical of floor beam from PP 121 to PP 122.

Inspection Conclusions: Cancelled by ZPMC thus ABF QA and Caltrans QA didn't perform the inspection.

Lift 14 East, Inspection Request No. 7880

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following items at Zhenhua Port Machinery Company (ZPMC) on the Ship # 19.

Inspection was offered for the Inspecting Visual Inspection and Dry Film Thickness (DFT).

Lift 14 East, internal middle section ceiling and vertical of floor beam from PP 128 to OBG end.

Inspection Conclusions: Cancelled by ZPMC thus ABF QA and Caltrans QA didn't perform the inspection.

Cross Beam # 19, Inspection Request No. 7881

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following items at Zhenhua Port Machinery Company (ZPMC) on the Ship # 19.

Inspection was offered for the Inspecting Visual Inspection and Dry Film Thickness (DFT).

Inspection was offered for the Inspecting Cross Beam # 19.

Inspection Conclusions: Rejected as holidays, Low/High DFT observed and ZPMC had not performed touch-up paint and paint repair recommended by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

SOURCE INSPECTION REPORT

(Continued Page 3 of 5)

Lift 14 East, Inspection Request No. 7882

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following items at Zhenhua Port Machinery Company (ZPMC) on the Ship # 19.

Inspection was offered for the Inspecting Visual Inspection and Dry Film Thickness (DFT).

Lift 14 East, internal anchor plate area ceiling and vertical of floor beam.

Inspection Conclusions: ZPMC has repaired ABF marked up areas and now the surface looks fine, but ABF can't verify the repair work done previous by ZPMC and Caltrans QA concurred with ABF QA comments.

Splice, Inspection Request No. 7883

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following item at Zhenhua Port Machinery Company (ZPMC) painting work shop # 2.

Inspection was offered for the Visual Inspection and Dry Film Thickness (DFT).

Splice after re-blast, 48 pieces and L Splices, 14 pieces

Inspection Conclusions: Accepted after minor touch up by ABF QA and Caltrans QA concurred with the ABF QA's Inspection.

Lift 13 East, Inspection Request No. 7884

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following items at Zhenhua Port Machinery Company (ZPMC) on the Ship # 19.

Inspection was offered for the Inspecting Visual Inspection and Dry Film Thickness (DFT).

Lift 13 East, Top plate assembly SA3412 total 1 nos.

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

Lift 13 East, Inspection Request No. 7885

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following items at Zhenhua Port Machinery Company (ZPMC) on the Ship # 19.

Inspection was offered for the Inspecting Visual Inspection and Dry Film Thickness (DFT).

Lift 13 East, internal west section ceiling and vertical of floor beam from PP 120 to PP 121.

SOURCE INSPECTION REPORT

(Continued Page 4 of 5)

Inspection Conclusions: Cancelled by ZPMC thus ABF QA and Caltrans QA didn't perform the inspection.

Lift 13 East, Inspection Request No. 7886

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following items at Zhenhua Port Machinery Company (ZPMC) on the Ship # 19.

Inspection was offered for the Inspecting Visual Inspection and Dry Film Thickness (DFT).

Lift 13 East, internal west section ceiling and vertical of floor beam from PP 121 to PP 122.

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

Lift 13 East, Inspection Request No. 7886

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following items at Zhenhua Port Machinery Company (ZPMC) on the Ship # 19.

Inspection was offered for the Inspecting Visual Inspection and Dry Film Thickness (DFT).

Lift 13 East, internal west section ceiling and vertical of floor beam from PP 122 to PP 124.5.

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

Lift 13 West, Inspection Request No. 7888

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following items at Zhenhua Port Machinery Company (ZPMC) on the Ship # 19.

Inspection was offered for the Inspecting Visual Inspection and Dry Film Thickness (DFT).

Lift 13 West, internal middle section ceiling and vertical of floor beam from PP 119(+1500mm) to PP 120.5 and

Lift 13 West, internal west section ceiling and vertical of floor beam from PP 118 to PP 119 (-1500mm).

Inspection Conclusions: Cancelled by ZPMC thus ABF QA and Caltrans QA didn't perform the inspection.

Architectural Housing and Splice, Inspection Request No. 7890

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following item at Zhenhua Port Machinery Company (ZPMC) painting work shop # 2.

Inspection was offered for the Visual Inspection, Surface preparation prior to primer coat application.

SOURCE INSPECTION REPORT

(Continued Page 5 of 5)

Architectural Housing cover plate partial re-blast SA7530 and Splice after re-blast, 50 pieces.

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

Lift 14 West, Inspection Request No. 7891

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following items at Zhenhua Port Machinery Company (ZPMC) on the Ship # 19.

Inspection was offered for the Inspecting Visual Inspection and Dry Film Thickness (DFT).

Lift 14 West, internal anchor plate area ceiling and vertical of floor beam.

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

Lift 13 West, Inspection Request No. 7877

A joint two party inspection was performed by ABF QA's and Caltrans QA for the following items at Zhenhua Port Machinery Company (ZPMC) on the Ship # 19.

Inspection was offered for the Inspecting Visual Inspection and Dry Film Thickness (DFT).

Lift 13 West, internal middle section ceiling and vertical of floor beam from PP 122 to PP 124.5 and Lift 13 West, internal east section ceiling and vertical of floor beam from PP 122 to PP 124.5.

Inspection Conclusions: Rejected by ABF QA as ZPMC had not touch-up painted the defects 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.

Inspected By:	Math,Manjunath	Quality Assurance Inspector
----------------------	----------------	-----------------------------

Reviewed By:	Miller,Mark	QA Reviewer
---------------------	-------------	-------------