

**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 #: xx.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-020829**Date Inspected:** 02-Jul-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**CWI Name:** Mr. Gao zhi chang**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** TOWER**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance (QA) Inspector Raghavendrareddy was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island in Shanghai, China. QA observed and/or found the following:

BAY 10

The following Non Destructive Testing (NDT) Inspection carried out as per the ZPMC submitted Notification No. 06101.

Ultrasonic Testing (UT)

This QA Inspector performed UT of approximately 10% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated a UT report for this date. The member is identified as South tower lift 5. The weld designations reviewed are as follows.

1.SSD1-SPSA5-19-1 A/B

2.SSD1-SPSA5-19-2 A/B

Magnetic Particle Testing (MT)

This QA Inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated a MT report for this date. The member is identified as

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# WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

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Sourth tower lift 5. The weld designations reviewed are as follows.

- 1.SSD1-SPSA5-19-1 A/B
- 2.SSD1-SPSA5-19-2 A/B

Visual Testing (VT)

This QA Inspector performed VT of the area previously Inspected and accepted by ZPMC Quality Control personnel. The member is identified as Sourth tower lift 5. The weld designations reviewed are as follows.

- 1.SSD1-SPSA5-19-1 A/B
- 2.SSD1-SPSA5-19-2 A/B

And I have signed green tag no-12752 at 2:45pm location bay 10.

This QA Inspector observed the following work in progress:

Orthotropic Box Girder(OBG) Trial assembly:

Segment #9E & 9W:

Segment # 7E:

This QA observed that ZPMC is continuing the temporary structural fit up (sea fastening) for shipment on this segment during the time QA was present.

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.

**Summary of Conversations:**

Only general conversation was held between QA and QC concerning this project.

**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 Michael Ng (15921845703), who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Tharikoppada,Reddy	Quality Assurance Inspector
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<b>Reviewed By:</b>	Miller,Mark	QA Reviewer
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