

**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 #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-017065**Date Inspected:** 22-Sep-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:****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:** OBG**Summary of Items Observed:**

On this day Caltrans OSM Quality Assurance (QA) Inspector Christopher D'souza was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhen Hua Port Machinery Company (ZPMC) at Chang Xing Island in Shanghai, China. QA Inspector observed and/or found the following:

Bay 12

B- CWR 1874 Rev 0

This QA Inspector was notified via email for verification of B – CWR1874 R0 at 0800 hours the following was observed:

- The component for verification was identified as LB003 – 001
- Base metal repair was required at one location as gouge of approximately 30mm in length was in Visual inspection (VT) after sand blasting.
- ZPMC CWI Guo Yan Fei was present on site to direct and record all repair work.
- Weld Repair was to be carried out as per WPS-345-SMAW-3G(3F)-Repair

Tower

T-CWR 692 Rev 0

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## WELDING INSPECTION REPORT

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This QA Inspector was notified via email for verification of T – CWR692 R0 at 1450 hours the following was observed:

- The component for verification was identified as ESD1-FASA3-2C/E-19 (Lift 3 - 89M tower East)
- Third time weld Repair was required on location rejected by Ultrasound Testing (UT)
- ZPMC CWI Zhao Chen Sun was present on site to direct and record all repair work.

T-CWR 693 Rev 0

This QA Inspector was notified via email for verification of T – CWR693 R0 at 1450 hours the following was observed:

- The component for verification was identified as SSD1-FASA3-1 B/E (Lift 3 - 99M tower South)
- Third time weld Repair was required on location rejected by Ultrasound Testing (UT)
- ZPMC CWI Zhao Chen Sun was present on site to direct and record all repair work.

T-CWR 694 Rev 0

This QA Inspector was notified via email for verification of T – CWR694 R0 at 1450 hours the following was observed:

- The component for verification was identified as NSD1-FASA3-1B/E (Lift 3 - 99M tower North)
- Third time weld Repair was required on location rejected by Ultrasound Testing (UT)
- ZPMC CWI Zhao Chen Sun was present on site to direct and record all repair work.

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

### Summary of Conversations:

No relevant 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 Eric Tsang 15000422372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Dsouza,Christopher	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer

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