

**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-017988**Date Inspected:** 10-Nov-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:** Li Yang**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 Segment**Summary of Items Observed:**

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

**OBG # OUTSIDE YARD (12AW)**

This QA inspector along with QA inspector Mr. Manjunath S Math performed dimensional joint survey inspection on the U-rib to verify the offset using 1000mm straight edge. The measurements were recorded on a separate sheet and forwarded to team leader for review and disposition. The segment and panel point designations were as follows:

Segment 12AW – PP 112 to PP 112.5

**OBG # OUTSIDE YARD (12AW)**

This QA inspector along with QA inspector Mr. Manjunath S Math performed dimensional joint survey inspection on the longitudinal diaphragm to verify the offset using 1000mm rule. The measurements were recorded on a separate sheet and forwarded to team leader for review and disposition. The segment and panel point designations were as follows:

Segment 12AW – PP 111 to PP 112

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## WELDING INSPECTION REPORT

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### OBG # OUTSIDE YARD (12AW)

This QA inspector along with QA inspector Mr. Manjunath S Math performed dimensional joint survey inspection on the WT stiffener to verify the vertical and horizontal offset using 1000mm rule. The measurements were recorded on a separate sheet and forwarded to team leader for review and disposition. The segment and panel point designations were as follows:

Segment 12AW – PP 111 to PP 112

### OBG # TRIAL ASSEMBLY YARD (11BE-11CE)

This QA Inspector along with QA Inspector Mr. Manjunath S Math performed dimensional joint survey inspection on the B1, B2, B3, B4, T1 and T2 work point across transverse splice joints to verify the skin flatness using 5 meter string line, 600mm and 630mm straight edge. The measurements were recorded on a separate sheet and forwarded to team leader for review and disposition. The segment and panel point designations were as follows:

Segment 11BE to Segment 11CE (PP 97 to PP 98)

### ZPMC SHIP # 19 (Sea fasteners)

This QA Inspector photographed and documented at various locations on sea fasteners prior to the shipment of (Voyage 6) en-route to Yerba Buena Island, California, USA. The photographs are available for review upon request.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

#### **Summary of Conversations:**

No relevant conversations were reported on this date.

#### **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>	Manikandan, Murugan	Quality Assurance Inspector
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<b>Reviewed By:</b>	Peterson, Art	QA Reviewer
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