

**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:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-011708**Date Inspected:** 05-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**CWI Name:** Mr. 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**Summary of Items Observed:**

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

**OBG TRIAL ASSEMBLY AREA**

This QA Inspector observed the following work in progress:

Shielded Metal Arc Welding (SMAW) repair of weld joint 001 located on CA-020-001. Welder is identified as 066261. ZPMC Quality Control (QC) is identified as Mr. Fang Ya Jun. The welding variables recorded by QC appeared to comply with WPS: 345-SMAW-2G (2F)-FCM-Repair and WRR No is: B-WR8552.

Shielded Metal Arc Welding (SMAW) of weld joint 001 located on OBW6A-001. Welder is identified as 068917. ZPMC Quality Control (QC) is identified as Mr. Fang Ya Jun. The welding variables recorded by QC appeared to comply with WPS: B-P-2214-B-U2-FCM-1.

Flux Cored Arc Welding (FCAW) of weld joint 026 located on BP-087-001. Welder is identified as 053609. ZPMC Quality Control (QC) is identified as Mr. Fang Ya Jun. The welding variables recorded by QC appeared to comply with WPS: B-T-2232-B-U2-F.

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# WELDING INSPECTION REPORT

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Flux Cored Arc Welding (FCAW) of weld joint 028 located on BP-087-001. Welder is identified as 067501. ZPMC Quality Control (QC) is identified as Mr.Fang Ya Jun. The welding variables recorded by QC appeared to comply with WPS: B-T-2232-B-U2-F.

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

**Summary of Conversations:**

Only general conversation was held between QA and Quality Control (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 Eric Tsang 15000422372, who represents the Office of Structural Materials for your project.

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

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