

**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-017390**Date Inspected:** 24-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:** Xu Tao**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 date Caltrans OSM Quality Assurance (QA) Inspector Larry Viars was present during the times noted above for observations relative to the work being performed.

**West of Blast Bay 1-**

This QA Inspector performed Visual Testing (VT) and random Magnetic Particle Testing (MT) of welds previously tested and accepted by ZPMC for OBG Segment 12BE floor beam web to flange welds at panel point 114.5. The welds were cleaned with power wire brush prior to VT. The following welds were tested:

FB3013-003-010 (west side of panel point 114.5)

FB3013-003-011 (east side of panel point 114.5)

**Bay 16-**

This QA Inspector observed the following work in progress: Flux Cored Arc Welding (FCAW) of OBG Steel Barrier weld, W5-SB11-001-009. ZPMC welder was identified as 068494. ZPMC QC was identified as Guo Pan. ZPMC CWI was identified as Xu Tao. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2132.

Flux Cored Arc Welding (FCAW) of OBG Steel Barrier weld, W5-SB1E-001-007. ZPMC welder was identified as 066751. ZPMC QC was identified as Guo Pan. ZPMC CWI was identified as Xu Tao. The welding appeared to

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be in conformance with welding procedure specification, WPS-B-T-2132.

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

**Summary of Conversations:**

Only general conversation between QA and QC occurred 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, 150 0042 2372, who represents the Office of Structural Materials for your project.

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| <b>Inspected By:</b> | Viars,Larry | Quality Assurance Inspector |
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| <b>Reviewed By:</b> | McClendon,Timothy | QA Reviewer |
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