**DEPARTMENT OF TRANSPORTATION**
DIVISION OF ENGINEERING SERVICES
Office of Structural Materials
Quality Assurance and Source Inspection

Bay Area Branch
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Contract #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 69.28

# WELDING INSPECTION REPORT

**Resident Engineer:** Pursell, Gary
**Address:** 333 Burma Road
**City:** Oakland, CA 94607

**Report No:** WIR-012343
**Date Inspected:** 24-Feb-2010

**Project Name:** SAS Superstructure
**Prime Contractor:** American Bridge/Fluor Enterprises, a JV
**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island

**OSM Arrival Time:** 645
**OSM Departure Time:** 1845
**Location:** Shanghai, China

**CWI Name:** Gong Wai

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|---|---|---|---|
| **Inspected CWI report:** | ☐ Yes | ☑ No | ☐ N/A |
| **Electrode to specification:** | ☑ Yes | ☐ No | ☐ N/A |
| **Qualified Welders:** | ☑ Yes | ☐ No | ☐ N/A |
| **Approved Drawings:** | ☑ Yes | ☐ No | ☐ N/A |

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|---|---|---|---|
| **CWI Present:** | ☑ Yes | ☐ No | |
| **Rod Oven in Use:** | ☑ Yes | ☐ No | ☐ N/A |
| **Weld Procedures Followed:** | ☑ Yes | ☐ No | ☐ N/A |
| **Verified Joint Fit-up:** | ☑ Yes | ☐ No | ☐ N/A |
| **Approved WPS:** | ☑ Yes | ☐ No | ☐ N/A |
| **Delayed / Cancelled:** | ☐ Yes | ☑ No | ☐ N/A |

**Bridge No:** 34-0006
**Component:** OBG COMPONENT

**Summary of Items Observed:**
On this date Caltrans OSM Quality Assurance (QA) Inspector, Subhasis Bera was present during the times noted above for observations relative to the work being performed.

In process Inspection
Bay #14
This QA Inspector observed the following work in progress:

SMAW in the 4G position for the OBG Segment 11DW , weld No.SEG071A-020. The welder is identified as #047864. ZPMC QC is identified as Mr. Li Jie. The welding variables recorded by QC appear to comply with WPS-345-SMAW-4G (4F)-REPAIR.

FCAW in the 1G position for the OBG Segment 12CW, weld No.SEG3006*-005. The welder is identified as #047864. ZPMC QC is identified as Mr. Xu Tao. The welding variables recorded by QC appear to comply with WPS-B-T-2231-B-U2-F.

FCAW in the 1G position for the OBG Segment 12CE, weld No.SEG3003*-005. The welder is identified as #214945. ZPMC QC is identified as Mr. Gong Wai. The welding variables recorded by QC appear to comply with WPS-B-T-2231-B-U2-F.

FCAW in the 2G position for the OBG Traveler Rail, weld No.11TR2-013. The welder is identified as #206623. ZPMC QC is identified as Mr. Guo Pan. The welding variables recorded by QC appear to comply with

WPS-345-FCAW-2G(2F)-REPAIR. The weld repair report is identified as B-CWR-1086.

FCAW in the 2G position for the OBG Traveler Rail, weld No.11TR2-007. The welder is identified as #208035. ZPMC QC is identified as Mr. Guo Pan. The welding variables recorded by QC appear to comply with WPS-345-FCAW-2G(2F)-REPAIR. The weld repair report is identified as B-CWR-1086.

Unless otherwise noted, all work observed on this date appeared to generally comply with 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 150-0042-2372, who represents the Office of Structural Materials for your project.

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| **Inspected By:** | Bera,Subhasis | Quality Assurance Inspector |
| **Reviewed By:** | Patterson,Rodney | QA Reviewer |