

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave. St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

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-022428**Date Inspected:** 06-Apr-2011**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:** Zhou Zhong Hai**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 COMPONENT**Summary of Items Observed:**

On this day Caltrans OSM Quality Assurance (QA) Inspector Subhasis Bera 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:

In process Inspection

Trial Assembly

This QA Inspector observed the following work in progress:

SMAW in the 2G position for OBG segment 13AE, welding of UT repair weld No. KP3002-001-011. The Welder is identified as 200113. ZPMC Quality Control is identified as Mr. Li Hua Jie. The welding variables recorded by QC personnel appeared to comply with WPS-345-SMAW-2G(2F)-FCM-REPAIR-1. The repair report is identified as WR20593. The In-process SMAW appears to be progressing in compliance with approved contract documents.

SMAW in the 4G position for OBG segment 13AE, welding of UT repair weld No. SEG3007-001. The Welder is identified as 067183. ZPMC Quality Control is identified as Mr. Li Hua Jie. The welding variables recorded by QC personnel appeared to comply with WPS-345-SMAW-4G(4F)-FCM-REPAIR-1. The repair report is identified as WR20566. The In-process SMAW appears to be progressing in compliance with approved contract documents.

SMAW in the 1G position for OBG segment 13AE, welding of UT repair weld No. SEG3007AH-052. The Welder is identified as 066416. ZPMC Quality Control is identified as Mr. Li Hua Jie. The welding variables recorded by

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QC personnel appeared to comply with WPS-345-SMAW-1G(1F)-FCM-REPAIR-1. The repair report is identified as WR20568. The In-process SMAW appears to be progressing in compliance with approved contract documents.

Bay#10

This QA Inspector observed the following work in progress:

SMAW in the 1G position for OBG bike path, welding of weld No. BK17C-001-001. The Welder is identified as 040582. ZPMC Quality Control is identified as Mr. Xu Le Feng. The welding variables recorded by QC personnel appeared to comply with WPS-B-P-2311-Tc-P4. The In-process SMAW appears to be progressing in compliance with approved contract documents.

SMAW in the 4G position for OBG bike path, welding of weld No. BK17C-001-004. The Welder is identified as 057220. ZPMC Quality Control is identified as Mr. Xu Le Feng. The welding variables recorded by QC personnel appeared to comply with WPS-B-P-2314-Tc-P4. The In-process SMAW appears to be progressing in compliance with approved contract documents.

Magnetic Particle Testing (MPT) for Bike path Joints at bay#10

This Quality Assurance (QA) Inspector performed Visual inspection and verification of Magnetic Particle Testing (MT) 15% for OBG bike path welds at Bay#10. This QA inspector generated a (MT) report for this date. This area was previously tested and accepted by ABF QC MT technicians.

The Weld Designations are as follows

BK014A3-001-002,010

BK014A5-001-002,008

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



**Summary of Conversations:**

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

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