

**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:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-004947**Date Inspected:** 29-Nov-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Sun Wei**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:** Tower**Summary of Items Observed:**

The Quality Assurance (QA) Inspector Gregory Bertlesman arrived on site at the Zhenhua Port Machinery Company facility on Changxing island, China to periodically monitor welding and Quality Control functions. While on site the Quality Assurance Inspector observed and/or discovered the following.

**Visual Verification of West Shaft Diaphragms 43M and 23M**

The Quality Assurance Inspector performed a visual verification for the ABF internal green tagging system of the West Shaft 43M and 23M double diaphragms. It was observed that ZPMC is continuing to grind undercut up to a millimeter even though AWS D1.5 states undercut shall be repaired by welding. Assistant Structures Materials Representative Josh Ishibashi is aware of the issue and has instructed the Quality Assurance inspectors to find the issue compliant as long as it is not ground over a millimeter. The Quality Assurance Inspector observed numerous areas with torches required to be repaired by welding. ZPMC agreed and immediately repaired the torch notches. The Quality Assurance Inspector signed the green tag paperwork and logged the progress in an on-site for future review.

**Summary of Conversations:**

As stated in the contents of the above report.

**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 Josh Ishibashi 1.376.647.10411, who represents the Office of Structural Materials for your project.

---

---

# WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

---

---

---

<b>Inspected By:</b>	Bertlesman,Greg	Quality Assurance Inspector
----------------------	-----------------	-----------------------------

---

<b>Reviewed By:</b>	Wright,Mark	QA Reviewer
---------------------	-------------	-------------