

**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-004866**Date Inspected:** 24-Nov-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 630**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**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:**

Caltrans Quality Assurance (QA) Inspector Tim McClendon arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island, in Shanghai, China to periodically monitor welding and Quality Control (QC) functions. While on site the QA Inspector observed and/or discovered the following.

**Bay 1 Heavy Tower Sub-assembly**

This QA inspector performed a walk through of tower assembly, accompanied by QA inspector Bertlesman, with confined space monitoring equipment in order to determine what or if any hazards exist. Air quality appeared to be within acceptable limits. Electrical lighting cords appeared to be less than ideal. Only one entrance was utilized due to the manway at the 9 meter location was not accessible because there was no access provided.

Also this QA inspector performed documentation review on various components for the OBG sub-assembly for the purpose of performing the ABF green tagging process.

**Summary of Conversations:**

No relevant conversations spoken on 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 Dautermann, Peter (707) 552-7715, who represents the Office of Structural Materials for your project.

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# WELDING INSPECTION REPORT

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