

**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-004847**Date Inspected:** 28-Nov-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:****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 Office of Structure Materials (OSM) Quality Assurance Inspector (QA) Raymond Lara was present at jobsite in Zhenhua Port Machinery Company facility on Changxing island, China for the purpose of observing and monitoring the fabrication of the SAS Superstructure.

**Outside Area West of the Bay Sub-Assembly**

The Quality Assurance Inspector performed Ultrasonic Testing (UT), prescreening, on completed Partial Joint Penetration (PJP) groove welds, tack weld areas only, on Deck Panel DP597-001. The prescreening is in effort to determine the condition of said tack welds for compliance with project specifications. Numerous indications indicative of cracks were located.

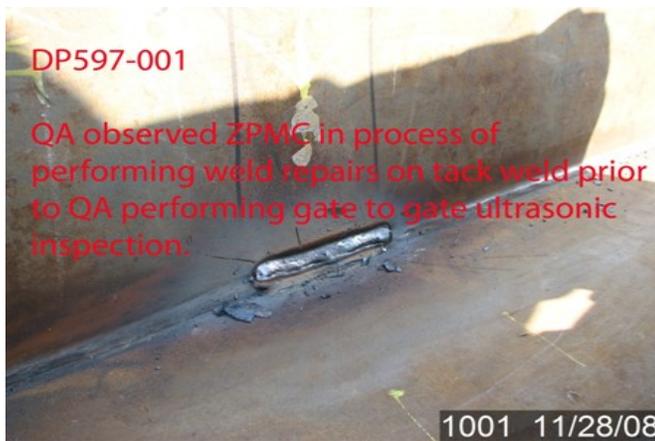
The Quality Assurance Inspector observed ZPMC personnel perform weld repairs on tack weld areas prior to the Quality Assurance Inspector performing gate to gate ultrasonic testing on deck panel tack weld areas. The Quality Assurance Inspector observed several tack weld areas on several deck panel appear to have been repaired prior to gate to gate ultrasonic testing. The Quality Assurance Inspector informed Task Leader Mark Wright of these observations.

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# WELDING INSPECTION REPORT

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## Summary of Conversations:

No relevant conversations 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 Peter Dautermann 150 0219 9593, who represents the Office of Structural Materials for your project.

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**Inspected By:** Lara, Raymond

Quality Assurance Inspector

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**Reviewed By:** Wright, Mark

QA Reviewer