

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Vallejo, CA 94592-1133  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-024288**Date Inspected:** 09-Jun-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**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 OSM Quality Assurance (QA) Inspector R. Hernandez was present during the time noted above and conducted observations relative to the work being performed.

The QA Inspector randomly observed the following work in progress:

Trial Assembly Segments 13AE to 13CE

This QA inspector observed the ZPMC personnel un-installing connection plates at deck panel to deck panel U-ribs at PP121 to PP123.5 to facilitate removal of segment 13E from the trial assembly area for future sandblasting. Also observed removal of bottom panel to panel stiffeners at PP120 to PP124.5 to facilitate removal of segment 13E from the trial assembly area for future sandblasting.

Trial Assembly Segment 14AE @ CB19E

This inspector observed ZPMC personnel performing match drilling at bottom and each vertical side at east side of CB19E.

Trial Assembly 13AW to CB18W

This inspector observed ZPMC personnel performing match drilling at bottom west side of CB18 and at 13AW FL-3.

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# WELDING INSPECTION REPORT

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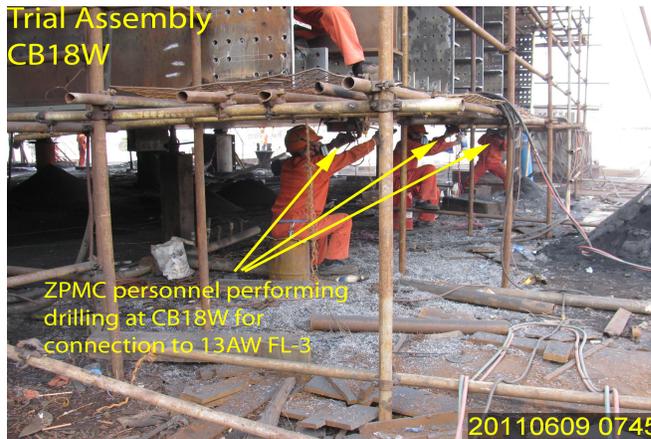
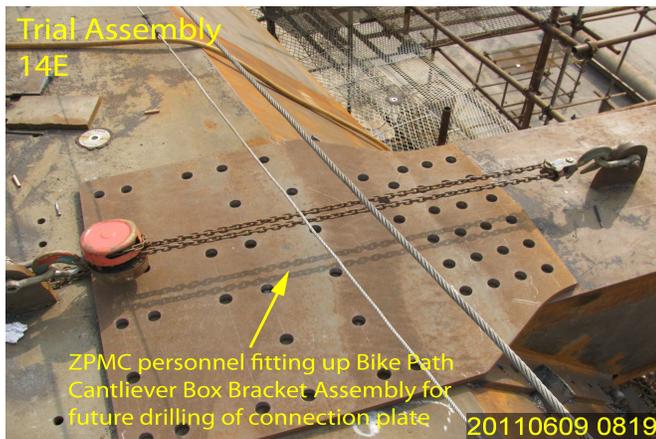
Bay Number 9

Performed verification VT for the component(s) identified as OBG Traveler Rail sub assembly for component listed as SA8506A-001-001, SA7506C-003-003, SA8014A-001-001, & SA8014E-001-003. This QA inspector signed green tag #16209.

This QA inspector performed UT of approximately 10% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. All components were as listed on NWIT notification no. 09405. The member(s) is/are identified as OBG Segment components identified below with the following identifying weld no.(s):

1. SA8506A-001-001.
2. SA7506C-003-003.
3. SA8014A-001-001.
4. SA8014E-001-003.

Unless otherwise noted above all items observed on this day appeared to be in general compliance with the applicable contract documents



## Summary of Conversations:

Pertinent conversations are included in the body of the 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 Eric Tsang 1500-0042-02372, who represents the Office of Structural Materials for your project.

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**Inspected By:** Hernandez,Rene

Quality Assurance Inspector

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**Reviewed By:** Hall,Steven

QA Reviewer