

**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:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-024114**Date Inspected:** 15-May-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** See Below**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:**

Summary of Items Observed: On this date Caltrans OSM Quality Assurance (QA) Inspector, Mike Hasler was present during the times noted above for observations and testing relative to the work being performed.

**Bay 5**

This QA inspector performed a random observation for the OBG. During the observation performed it was noted ZPMC was in process of heat straightening traveler rails. ZPMC QC inspector Li Wei Lin was present at this time of this observation and informed this QA inspector of the work that is in process and identified Liu Fa Wen as the CWI. This QA inspector verified this information for the following location;

Heat Straightening

HSR1 (B) 10291

3026TR1-001,

Heat Straightening

HSR1 (B) 10291

3025TR1-001

**Bay 9**

This QA inspector performed a random observation for the OBG. During the observation performed it was noted ZPMC was in process of heat straightening on bike path traveler rail. ZPMC CWI Chen Shi Gang was present at this time of this observation and informed this QA inspector of the work that is in process. This QA inspector verified this information for the following location;

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Heat Straightening

HSR1 (B) 10358

3003TR2-001

Trial Assembly

UT Inspection

This Caltrans QA inspector received ABF UT inspection report UT-13W-035R1, dated 5-15-11 for QA verification. The OBG segment assembly is identified as 13AW. This QA inspector performed ultrasonic test (UT) "D" scan method, after ZPMC had performed their UT inspection of the following locations.

SP to SP-W18

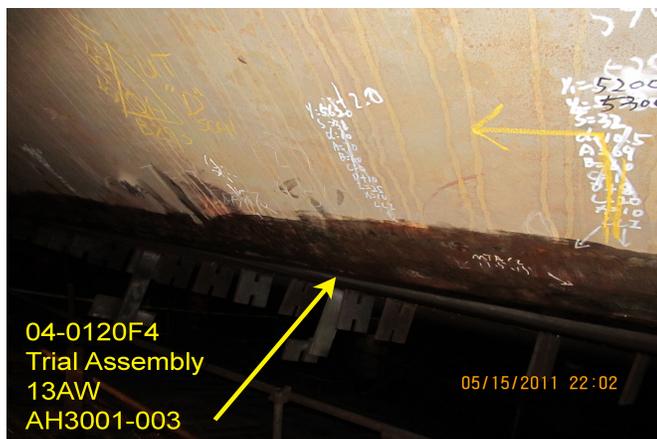
AH3001-003

Y=5200 to 12700

At the time of the verification it was noted that the above component appeared to be within compliance of the contract documents. See Caltrans Ultrasonic Test Report (TL6027), dated 05-15-2011 for additional information.

The following digital picture illustrates weld AH3001-003.

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



## Summary of Conversations:

"As noted within the contents of this 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 James Devey 15000026784, who represents the Office of Structural Materials for your project.

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**Inspected By:** Hasler, Mike

Quality Assurance Inspector

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**Reviewed By:** Riley, Ken

QA Reviewer