

**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-009971**Date Inspected:** 01-Nov-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Li Yang**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 Trail Assembly**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, S. Manjunath. Math. was present during the time noted above for observations relative to the work being performed.

This QA Inspector randomly observed the following work in progress:

Orthotropic Box Girder (OBG) Assembly Area

Magnetic Particle Testing

This QA Inspector performed Magnetic Particle Testing (MT) at the Transverse Segment Weld Repair Areas only.

This QA Inspector generated a TL-6028 MT report on this date. The weld designation numbers is as follows:  
(Number:).

Segment 1AW to 1AAW

Side Panel Counter Weight Side and Weld No. are identified as OBW1A-002 and the MT performed Y Datum locations were identified as 5380mm and 5820mm at two locations only.

Segment 1AW to 1BW

Deck Panel Weld No. is identified as OBW1A-006 and the MT performed Y Datum location were identified as

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6650, 7850, 10340, 12540, 15690, 16570, 16780, 20180, 21090 and 21690 at two locations only.

Segment 1AW to 1BW

Deck Panel Corner Assembly Cross Beam side Weld No. is identified as OBW1-007 and the MT performed Y Datum location (in mm) were identified from 1200 till 1720 one location only.

Magnetic Particle Test performed and found no recordable Indications.

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

**Summary of Conversations:**

No relevant conversations.

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

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<b>Inspected By:</b>	Math,Manjunath	Quality Assurance Inspector
<b>Reviewed By:</b>	Carreon,Albert	QA Reviewer

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