

**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-003613**Date Inspected:** 28-Jul-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 1400**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai China

<b>CWI Name:</b>	N/A	<b>CWI Present:</b>	Yes	No
<b>Inspected CWI report:</b>	Yes No N/A	<b>Rod Oven in Use:</b>	Yes No N/A	
<b>Electrode to specification:</b>	Yes No N/A	<b>Weld Procedures Followed:</b>	Yes No N/A	
<b>Qualified Welders:</b>	Yes No N/A	<b>Verified Joint Fit-up:</b>	Yes No N/A	
<b>Approved Drawings:</b>	Yes No N/A	<b>Approved WPS:</b>	Yes No N/A	
		<b>Delayed / Cancelled:</b>	Yes No N/A	
<b>Bridge No:</b>	34-0006	<b>Component:</b>	OBG	

**Summary of Items Observed:**

UT and MT verification

This Quality Assurance (QA) inspector arrived at ZPMC for observation of the SAS super structure fabrication of the OBG floor beams. This QA inspector performed magnetic particle (MT) verification for the following floor beams; FB011-007, FB011-004, FB016-012 and FB016-009 welds 4, 10, 13, 14, 22, 23, 27~32, 35~40, 43, 44, 47, 48 and 61. This QA inspector also performed MT for side and bottom plates on BP303-001-001~012 and SP641-001-001~010. Ultrasonic Verification was performed on closed rib diaphragm plates listed as DP593-001-185-204 at the time of the QA review the above locations appeared to be within compliance for UT and MT. A TL-6028 and TI-6027 will be generated for these locations.

**Summary of Conversations:**

No conversations noted this day.

**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 Ady Velasco, 1-381-694-2685, who represents the Office of Structural Materials for your project.

**Inspected By:** Riley, Ken

Quality Assurance Inspector

**Reviewed By:** Carreon, Albert

QA Reviewer