

**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-002206**Date Inspected:** 04-Apr-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 630**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**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:**

This Quality Assurance Inspector (QAI) prepared and updated the Orthotropic Box Girder (OBG) Lift 3 and 4 Nondestructive Testing (NDT) Log. During review and input of data a few areas of question arose. These items were brought to the attention of the Assistant Structural Materials Representative (ASMR) Ady Velasco. Some of the data forms and the OBG Lift 3 and 4 NDT Log were transmitted by email to Mr. Velasco and Mr. Chengwen Liu for clarification of questions and further data entry.

This QAI performed ultrasonic testing (UT) for evaluation of the calibration test pieces for measuring depth of penetration on the partial joint penetration (PJP) welds between deck panels and closed u-rib material. At a later date these test pieces will be destructively tested to compare the actual lack of penetration to the measured lack of penetration found by the ultrasonic testing. Several panels were not completed today so further testing will be carried out on tomorrow's day shift.

**Summary of Conversations:**

No conversations held today.

**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 Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

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# WELDING INSPECTION REPORT

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**Inspected By:** Berger, Bruce

Quality Assurance Inspector

**Reviewed By:** Hager, Craig

QA Reviewer