

**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-001847**Date Inspected:** 21-Mar-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) completed depth of penetration ultrasonic testing of welds 001-006 for PMT-2 DP488-001 & DP2-110-001. All welds appeared to meet the requirements of the code and special provisions.

Production Monitoring Test PMT-1 DP488-001 & DP2-110-001 on gantry 1 failed visual so no ultrasonic testing was carried out. PMT-1 DP137-001 & DP002-001 on gantry 2 was rejected by ZPMC QC as the wrong amperage was used. PMT-2 DP137-001 & DP2-001 was originally also rejected by ZPMC QC but after discussions it was found to be acceptable. This Quality Assurance Inspector (QAI) completed depth of penetration ultrasonic testing of welds 001-006 for PMT-2 DP137-001 & DP2-001 and all welds appeared to be in compliance with the special provisions. This QAI completed depth of penetration ultrasonic testing of welds 001-006 for PMT-2 DP488-001 & DP110-001 and all welds appeared to be in compliance with the special provisions.

This QAI completed a TL-15 Incident Report for yesterdays ultrasonic testing of sample plates for checking the ultrasonic measured lack of penetration by destructive testing. For details see TL-15 report dated March 21, 2008.

This QAI updated the OBG Lift 3 and 4 NDT LOG with the available information on site.

**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

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## WELDING INSPECTION REPORT

*( Continued Page 2 of 2 )*

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

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<b>Inspected By:</b>	Berger, Bruce	Quality Assurance Inspector
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<b>Reviewed By:</b>	Hager, Craig	QA Reviewer
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