

**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-012610**Date Inspected:** 19-Feb-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

<b>CWI Name:</b>	Xu Xian Ping	<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>		

**Summary of Items Observed:**

On this day Caltrans OSM Quality Assurance (QA) Inspector Daniel Barrentine was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhen Hua Port

Machinery Company (ZPMC) at Chang Xing Island in Shanghai, China.

NDT performed:

This inspector performed Conventional Ultrasonic Testing, (UT), on Weld ID Seg027- 044 and Seg027-048. These welds are identified as deck plate to edge plate welds on OBG sections 6AW and 6BW. This inspection was in conjunction with ABF UT technicians and was to verify rejected indications by ABF and was in accordance with the current "D" scan procedure. For more information on rejected indications, see the ABF UT reports for these sections and date.

In Process Inspections:

This inspector witnessed Magnetic Particle Inspections, MT, being performed by ABF on section 6AW at the cross beam splice on the deck. This inspection was performed on the temporary weld areas that had been previously ground flush. Indications were noted by ABF at the time of inspection. For more information on rejected indications, see the ABF MT reports for these sections and date.

This inspector witnessed Magnetic Particle Inspections, MT, being performed by ABF on section 6AE at the

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corner joint, cross beam side, at the 5CE/ 6AE splice area. This inspection was performed on the weld repaired areas that had been previously ground flush. Indications were noted by ABF at the time of inspection, and were lightly ground to remove. Area was considered to have no recordable indication after grinding.

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 Eric Tsang 15000422372, who represents the Office of Structural Materials for your project.

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

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