

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

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-013168**Date Inspected:** 15-Apr-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

CWI Name:	Xu Xian Ping	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:		

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. QA Inspector observed and/or found the following:

NDE Inspections:

This inspector performed conventional ultrasonic examination, UT, on 50% of Section 7BW to 7CW Transverse splice, at the deck plate joint. This weld is identified as OBW 7-007, OBW 7-008, and OBW 7-009. This inspection was after ZPMC and ABF UT inspections, and to verify the indications found during these inspections. No additional indications were recorded by this inspector. For more information on this UT inspection, see the ABF UT report for this weld.

This inspector performed conventional ultrasonic examination, UT, on 50% of Section 8BW at the deck plate to edge plate corner assembly joint. This weld is identified as CA050-004. This inspection was after ZPMC and ABF UT inspections, and to verify the indications found during these inspections. No additional indications were recorded by this inspector. For more information on this UT inspection, see the ABF UT report for this weld.

This inspector performed verification of Magnetic Particle inspection, MT, on section 10AW, at the corner assembly joint. This weld is identified as CA071-004. This inspection was after ZPMC and ABF MT inspections, and to verify any indications found during these inspections. No additional indications were recorded by this

WELDING INSPECTION REPORT

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inspector. For more information on this MT inspection, see the ABF MT report for this weld.

Unless otherwise noted, all work performed on this day appeared to comply with the 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.

Inspected By:	Barrentine, Daniel	Quality Assurance Inspector
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Reviewed By:	Carreon, Albert	QA Reviewer
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