

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-000963**Date Inspected:** 01-Dec-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 1300**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2330**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	Fu Guo Gang	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:	89 & 114 Meter Mock-Up	

Summary of Items Observed:

Mock-Up 89

This Quality Assurance Inspector witnessed ZPMC magnetic particle technician Cai Xinxin performing magnetic particle testing of the root welds for MUSB-MA21 Skin Plate 'A' Sub-Assembly on partial joint penetration welds 3 & 15. This Quality Assurance Inspector also performed 10% verification testing on these welds. For details of the magnetic particle testing see TL 6028 dated December 01, 2007.

Mock-Up 114

This Quality Assurance Inspector performed magnetic particle testing of the final welds for MUSC-MA110 Skin Plate 'D' Sub-Assembly on partial joint penetration welds 1, 4, 5, 7, 8, 10, 11, 13 & 14 and on MUSC-MA101 Skin Plate 'B' Sub-Assembly on partial joint penetration welds 1, 3, 4, 6 & 7. Inspections include the cover passes and weld ends. For details of the magnetic particle testing see TL 6028 dated December 01, 2007.

WELDING INSPECTION REPORT

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Summary of Conversations:

This Quality Assurance Inspector spoke with the ZMPC interpreter Mr. Fu Yu Hong concerning the cracked tack welds between the I-stiffeners and plates in Bay 3 for the OBG. Mr. Fu informed me that at present ZPMC does not know what to do about all the cracked tack welds so they are going to continue to the next plate to see if they are successful in welding it. If not then they will discuss what is to be done next later.

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.

Inspected By: Berger, Bruce

Quality Assurance Inspector

Reviewed By: Cochran, Jim

QA Reviewer
