

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-000548**Date Inspected:** 17-Sep-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 1400**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

CWI Name:	Xu Liang Zhang & Li 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:	77 & 114	

Summary of Items Observed:

On this date, Caltrans Office of Structural Materials (OSM), Quality Assurance (QA) Inspector, David A. Smith was present for the observations related to the following;

Item-1 77 Mock-Up, Skin-E, Sub Assemble MA-1, Stiffeners MP5-1, MP5-2 & MP6-1. Grind out areas were 100% MT tested by this Caltrans QA Inspector and was found to be in compliance with the project specifications. The Magnetic Particle (MT) testing of Zhenhua Port Machinery Company (ZPMC) had been previously performed during the first shift.

Item-2 114 Sub Assembly, Skin-A, Lower section 107, The Partial Joint Penetration (PJP) section of root welds on Stiffeners 1, 2, 3 & 4 were 100% MT tested by the ZPMC Level II technician Zhou Dong Yun and was MT/OK. The technician utilized a Parker probe, Model B310-S, S/N 4804 with a calibration due date of May 27, 2008. Caltrans QA Inspector did MT 100% of the PJP root sections of welds and were found to be in compliance with the project specifications.

Item-3 114 Sub Assembly, Skin-D, Lower Section MA110, plate MUSC-MA110 to MP1016-1. ZPMC MT Level II technician Zhou Dong Yun did perform a 100% MT test on the tack welding and was MT/OK. Caltrans did perform a MT test on 100% of the tack welds and was found to be in compliance with the project specifications.

WELDING INSPECTION REPORT

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Summary of Conversations:

Due to the language barrier no conversations took place.

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:	Smith,David	Quality Assurance Inspector
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Reviewed By:	Cochran,Jim	QA Reviewer
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