

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-000713**Date Inspected:** 29-Oct-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 1330**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:** Zhu Zhong Hai**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 Skin-D & E**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 the following;

Item-1 77 Skin-D The top of stiffener plates MP3, MP4, MP8-2 and MP8-1 at the 1 to 1 transition where the stiffeners are in contact and welded to the underside of connection plates P597 and P596 a Magnetic Particle (MT) test was performed by Zhenhua Port Machinery Company (ZPMC) Level II MT technicians Cai Xin Xin and Zhou Dong Yun. This test was visually monitored by Caltrans QA Inspector and was MT/OK. This QA Inspector did MT test areas of these welds, MUSA-MA5-11 through MUSA-MA5-18, and found them to be in compliance with the project specifications.

Item-2 77 Skin-E Stiffener plate 3 #MA1-3 to base plate MA15 welds MA1-1 and MA1-2 were visually monitored during the MT test performed by ZPMC Level II MT technician Cai Xin Xin and was MT/OK. This Caltrans QA Inspector did an MT test on areas of these welds and found them to be in compliance with the project specifications.

Item-3 89 Skin-D MP509-1 and MP513 welded to MP506-1 and MA22-1 the root pass had already been back gouged and was in the process of being finished with a grinding disk down to good weld metal.

Item-4 SA95-1 (Upper) and SA104 (Lower) Diaphragm is now awaiting tack welding to be performed later during this shift.

WELDING INSPECTION REPORT

(Continued Page 2 of 2)



Summary of Conversations:

There were no pertinent conversations pertaining to the project during this shift.

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

Reviewed By: Cochran,Jim

QA Reviewer