

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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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-011777**Date Inspected:** 24-Jan-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Li Yang**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:** OBG**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance Inspector (QA) Shrikant Utekar was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island in Shanghai, China. QA observed and/or found the following:

TRIAL ASSEMBLY YARD

This QA Inspector randomly observed the following work in progress.

OBG SEGMENT 6BE

This Quality Assurance (QA) Inspector observed ZPMC qualified welders 044779, 049339 performing Shielded Metal Arc Welding process for weld CA028-004 located on PCMK the weld between deck panel and edge panel. ZPMC QC Mr. Zhang Qiang monitoring this welding. The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-4G (4F) FCM-Repair-1. Critical weld repair report identified as B-CW1137.

OBG SEGMENT 6BW- 6CW

This Quality Assurance (QA) Inspector observed ZPMC qualified welder 054467 performing Shielded Metal Arc Welding process for weld OBW6-002 located on PCMK side panel splice weld between OBG segment 6BW and 6CW (counter weight side). ZPMC QC Mr. Zhang Hai Jun monitoring this welding. The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-3G (3F) FCM-Repair-1. Weld repair report identified as B-WR10345. ZPMC ultrasonic report identified as B787-UT-10938.

WELDING INSPECTION REPORT

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OBG SEGMENT 5AW

This Quality Assurance (QA) Inspector observed ZPMC qualified welder 048659 performing Shielded Metal Arc Welding process for weld 014 located on PCMK EP038-001. ZPMC QC Mr. Wang Li Yang monitoring this welding. The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-1G (1F) -Repair. Weld repair report identified as B-WR8426. ZPMC ultrasonic report identified as B787-UT-9417.

Unless otherwise noted, all work observed on this dated 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, +(86) 1500 042 2372, who represents the Office of Structural Materials for your project.

Inspected By:	Utekar,Shrikant	Quality Assurance Inspector
Reviewed By:	Dawson,Paul	QA Reviewer
