

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-007749**Date Inspected:** 01-Jul-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 1845**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 645**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Liu 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 and Tower**Summary of Items Observed:**

Summary of Items Observed: On this date Caltrans OSM Quality Assurance (QA) Inspector, Larry Viars was present during the times noted above for observations relative to the work being performed.

OBG outside Deck Panel Repair Area:

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The members are identified as OBG Deck Panels. The weld identification numbers are as follows:

DP101-001-004, 005 (10BW)

DP236-001-004, 005 (10BW)

DP344-002-006, 007 (10BE)

DP155-001-002, 003 (10BW)

DP209-001-006, 007 (10BW)

Bay 10:

This QA Inspector observed the following work in progress: FCAW repair welding of weld joint NSD1-TL 8 B/L located on the North Tower Lift 2 D to E corner. ZPMC welder was identified as 050041. ZPMC QC is identified as Liu Yang. The welding appeared to be in conformance with Critical Weld Repair T-CWR 170 and welding procedure specification, WPS-345-FCAW-1G (1F)-Repair

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SMAW welding of weld joint NSD1-TL8 H/L-172, located on the North Tower Lift 2. ZPMC welder was identified as 040450. ZPMC QC is identified as Liu Yang. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-4312-TC-P4.

Bay 11:

This QA Inspector observed the following work in progress: SAW welding of weld joints, WSD1-FESA4-4 A/F-8A-1, 5, 3A, 24 located on the West Tower Lift 4 Skin E. ZPMC welders was identified as 042195 and 041716. ZPMC QC is identified as Liu Xiao Zhong. The welding appeared to be in conformance with welding procedure specifications, WPS-B-T-2221-B-U3C-S-2 and WPS-B-T-2321-B-P3-S-2.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

As identified within the contents of this report.

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, 150 0042 2372, who represents the Office of Structural Materials for your project.

Inspected By:	Viars,Larry	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
