

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-010110**Date Inspected:** 17-Oct-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 Zhong An
Inspected CWI report: Yes No N/A
Electrode to specification: Yes No N/A
Qualified Welders: Yes No N/A
Approved Drawings: Yes No N/A

CWI Present: Yes No
Rod Oven in Use: Yes No N/A
Weld Procedures Followed: Yes No N/A
Verified Joint Fit-up: Yes No N/A
Approved WPS: Yes No N/A
Delayed / Cancelled: Yes No N/A

Bridge No: 34-0006**Component:** Tower**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.

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This QA Inspector observed the following work in progress: Flux Cored Arc Welding (FCAW) of South Tower Lift 4 fit lug to Skin 'D' longitudinal stiffener weld SSTL4-1-H/L-85, located on the 131 meter double diaphragm top plate. ZPMC welder was identified as 052075. ZPMC QC is identified as Liu Zhong An. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2113.

Flux Cored Arc Welding (FCAW) of South Tower Lift 4 fit lug to Skin 'D' longitudinal stiffener weld SSTL4-1-I/L-7, located on the 135 meter double diaphragm bottom plate. ZPMC welder was identified as 052075. ZPMC QC is identified as Liu Zhong An. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2113.

Shielded Metal Arc Welding (SMAW) of East Tower Strut weld ESD1-A6001-7-85. ZPMC welder was identified as 050038. ZPMC QC is identified as Liu Zhong An. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2113.

Shielded Metal Arc Welding (SMAW) of East Tower Strut weld ESD1-A6003-2-8A, Repair # 1 (R1) for Ultrasonic Testing (UT) Reject by ZPMC UT technicians. ZPMC welder was identified as 040582. ZPMC QC is

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identified as Liu Zhong An. The welding appeared to be in conformance with welding procedure specification, WPS-485-SMAW-2G (2F)-Repair.

Shielded Metal Arc Welding (SMAW) of North Tower Connection Plate ND1-A5002-11-1A, Repair # 1 (R1) for ZPMC UT reject. ZPMC welder was identified as 040365. ZPMC QC is identified as Liu Zhong An. The welding appeared to be in conformance with welding procedure specification, WPS-485-SMAW-2G (2F)-Repair.

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

Summary of Conversations:

Only general conversation occurred between QC and QA this date.

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 Serge Sinevod, 134 8257 0045, who represents the Office of Structural Materials for your project.

Inspected By:	Viars,Larry	Quality Assurance Inspector
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Reviewed By:	Dawson,Paul	QA Reviewer
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