

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-007781**Date Inspected:** 17-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:** Wang Wen Zhong**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 Trial Assembly-

This QA inspector designated locations for Radiographic Testing (RT) of OBG segments 1AE to 1BE Transverse Splice welds. A total of 12 locations were designated for radiographic testing, 7 locations for Deck Panel Splice welds, 3 locations for bottom panel splice welds, and 1 for each Edge plate Splice. These areas were to be ground flush prior to RT.

Bay 10-

This QA Inspector observed the following work in progress: SMAW welding of weld joints SSD1-FDSA4-1 C/C-53B and 15B located on South Tower Skin Plate D for Lift 4. ZPMC welders were identified as 050289 and 052930. ZPMC QC is identified as Wang Wen Zhong. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-3211-TC-U5B-1.

FCAW welding of weld joints, NSD1-A112 C/H-001, 002, 003 and 004 located on North Tower Lift 1. ZPMC welders were identified as 057244, 040345, 057266, 052923. ZPMC QC is identified as Wang Wen Zhong. The welding appeared to be in conformance with welding procedure specifications, WPS-B-T-2331-TC-P4-F and WPS-B-T-2332-TC-P4-F.

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SAW welding of Tower strut plate weld joints ND1-A6002-16-1A, 3B, ND1-A6002-17-1A, 3B and ND1-A6002-18-1A . ZPMC welders were identified as 201750. ZPMC QC is identified as Wang Wen Zhong. The welding appeared to be in conformance with welding procedure specifications, WPS-B-T-4221-B-U3C-S-1.

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

Summary of Conversations:

Only general conversations between QA and QC occurred 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 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
