

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:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-017813**Date Inspected:** 19-Oct-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:** See below**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:** Tower and OBG Components**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance Inspector (QA Inspector) George Goulet was present during the times noted above for observations relative to the work being performed.

Bay 11

This QA Inspector randomly observed the following work in progress in Bay 11:

SMAW welding of weld joints BK004A6-020-072, 073 located on PCMK OBG BK004-020, BKPL6A to BKPL7A. Welder was identified as 052641. QC was identified as Xu Le Feng (QC1). Assisting QC1 at this location and appearing to be monitoring the welding and recording data was ZPMC QC Wang Chuan Xin (QCA1), who was not a CWI. Welding variables recorded by QCA1 appeared to comply with WPS-B-P-2112 as identified by QCA1.

SMAW welding of weld joints BK004A8-020-072, 073 located on PCMK OBG BK004-020, BKPL6B to BKPL7B. Welder was identified as 040724. QC was identified as QC1. Assisting QC1 at this location and appearing to be monitoring the welding and recording data was QCA1, who was not a CWI. Welding variables recorded by QCA1 appeared to comply with WPS-B-P-2112 as identified by QCA1.

FCAW welding of weld joint BK004A1-023-044 located on PCMK OBG BK004-023, bent edge plate to deck plate. Welder was identified as 042218. QC was identified as QC1. Assisting QC1 at this location and appearing to be monitoring the welding and recording data was QCA1, who was not a CWI. Welding variables recorded by QCA1 appeared to comply with WPS-B-T-2231-B-U2-F as identified by QCA1.

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Bay 10

This QA Inspector randomly observed no welding related work in progress in Bay 10.

OBG Trial Assembly Area

This QA Inspector randomly observed the following work in progress in the OBG Trial Assembly Area:

FCAW welding of temporary alignment plates outside and across the OBG 11BW/CB14 joint, FL3 web to cross beam web at panel point 98. Welder was identified as 053486. QC was identified as ZPMC CWI Liu Hua Jie (QC2). Welding variables recorded by QC2 appeared to comply with WPS-B-T-2132.

SMAW welding of temporary alignment plates outside and across the OBG 11BE/11CE transverse joint, deck plate to deck plate. Welders were identified as 040581, 052930. QC was identified as QC2. Welding variables recorded by QC2 appeared to comply with WPS-B-P-2112-FCM-1.

Heavy Dock

This QA Inspector randomly observed the following on the Heavy Dock:

All 4 towers, lift 4 were positioned on a base separate pedestal at end of the Heavy Dock. South tower, lift 3 was positioned horizontally on stanchions on the deck at the end of the Heavy Dock. No work was being performed on any of the tower components and no ZPMC floating cranes were moored to the Heavy Dock or in the area.

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

Summary of Conversations:

No significant 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 Micheal Ng, 159-2184-5703, who represents the Office of Structural Materials for your project.

Inspected By:	Goulet,George	Quality Assurance Inspector
Reviewed By:	Carreon,Albert	QA Reviewer
