

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-012294**Date Inspected:** 05-Feb-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.

OBG Trial Assembly Area

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

SMAW repair welding of weld joint CA026-002 located outside PCMK OBG section, lift 6E, south (bikepath), corner seam of deck plate to edge plate. Welder was identified as 058087. ZPMC QC was identified as CWI Li Yang (QC1). Assisting QC1 at this location and appearing to be monitoring the welding and recording data was ZPMC Zhong Guo Hui, who was not a CWI. The welding variables recorded by QC1's assistant appeared to comply with WPS-345-SMAW-2G(2F)-FCM-repair-1. Also present at this location and appearing to be monitoring the welding related operations was ABF Representative Li Jingbo.

SMAW repair welding of weld joint CA026-004 located outside PCMK OBG section, lift 6E, south (bikepath), corner seam of deck plate to edge plate. Welder was identified as 049339. ZPMC QC was identified as QC1. Assisting QC1 at this location and appearing to be monitoring the welding and recording data was ZPMC Zhong Guo Hui, who was not a CWI. The welding variables recorded by QC1's assistant appeared to comply with WPS-345-SMAW-2G(2F)-FCM-repair-1. Also present at this location and appearing to be monitoring the welding related operations was ABF Representative Li Jingbo.

SMAW repair welding of weld joint CA026-006 located outside PCMK OBG section, lift 6E, south (bikepath),

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

corner seam of deck plate to edge plate. Welder was identified as 048047. ZPMC QC was identified as QC1. Assisting QC1 at this location and appearing to be monitoring the welding and recording data was ZPMC Zhong Guo Hui, who was not a CWI. The welding variables recorded by QC1's assistant appeared to comply with WPS-345-SMAW-2G(2F)-FCM-repair-1. Also present at this location and appearing to be monitoring the welding related operations was ABF Representative Li Jingbo.

SMAW repair welding of weld joint CA026-006 located outside PCMK OBG section, lift 6E, south (bikepath), corner seam of deck plate to edge plate. Welder was identified as 216086. ZPMC QC was identified as QC1. Assisting QC1 at this location and appearing to be monitoring the welding and recording data was ZPMC Zhong Guo Hui, who was not a CWI. The welding variables recorded by QC1's assistant appeared to comply with WPS-345-SMAW-2G(2F)-FCM-repair-1. Also present at this location and appearing to be monitoring the welding related operations was ABF Representative Li Jingbo.

Bays 10, 11, Heavy Dock

No welding was observed being performed in Bays 10, 11, or on the Heavy Dock.

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 Skyler Guest, 150-0042-2360, who represents the Office of Structural Materials for your project.

Inspected By:	Goulet,George	Quality Assurance Inspector
Reviewed By:	Dawson,Paul	QA Reviewer
