

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-010920**Date Inspected:** 16-Dec-2009**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 Components**Summary of Items Observed:**

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

Bay 10

This QA Inspector randomly observed the following work in progress in Bay 10:

SAW welding of weld joint NSTL4-3B/L-2A located outside PCMK north tower, lift 4, skin D to skin E, between approximately 122M and 129M elevation. Welder was identified as 0503060. ZPMC QC was identified as CWI Wang Chuan Qing (QC1). Assisting QC1 at this location and appearing to be monitoring the welding and recording data was ZPMC Gao Zhi Chun, who was not a CWI. The welding variables recorded by QC1's assistant appeared to comply with WPS-B-T-2221-C-U2b-S. Also at this location and appearing to be monitoring the welding operation were ABF Representatives Li Nan and Wang Dong Yuan.

SAW welding of weld joint NSTL4-3B/L-2A located outside PCMK north tower, lift 4, skin D to skin E, between approximately 129M and 136M elevation. Welder was identified as 052917. ZPMC QC was identified as QC1. Assisting QC1 at this location and appearing to be monitoring the welding and recording data was ZPMC Gao Zhi Chun, who was not a CWI. The welding variables recorded by QC1's assistant appeared to comply with WPS-B-T-2221-C-U2b-S. Also at this location and appearing to be monitoring the welding operation were ABF Representatives Li Nan and Liu Cheng.

SAW welding of weld joint NSTL4-3B/L-2A located outside PCMK north tower, lift 4, skin D to skin E, between

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approximately 138M and 144M elevation. Welder was identified as 050295. ZPMC QC was identified as QC1. Assisting QC1 at this location and appearing to be monitoring the welding and recording data was ZPMC Gao Zhi Chun, who was not a CWI. The welding variables recorded by QC1's assistant appeared to comply with WPS-B-T-2221-C-U2b-S. Also at this location and appearing to be monitoring the welding operation were ABF Representatives Li Nan and Liu Cheng.

SMAW repair welding of weld joint SSSL4-1B/L-5A located outside PCMK south tower, lift 4, skin B to skin C. Welder was identified as 067589. ZPMC QC was identified as QC1. Assisting QC1 at this location and appearing to be monitoring the welding and recording data was ZPMC Wang Hao, who was not a CWI. The welding variables recorded by QC1's assistant appeared to comply with WPS-345-SMAW-4G(4F)-repair. Also at this location and appearing to be monitoring the welding operation was ABF Representative Wang Dong Yuan.

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

Summary of Conversations:

No relevant 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 Serge Sinevod, 134-8257-0045, who represents the Office of Structural Materials for your project.

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