

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:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-017713**Date Inspected:** 27-Oct-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Xu Le Feng, Yu Dong Ping**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/TOWER**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance (QA) Inspector Umesh Gaikwad was present during the times noted above for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island in Shanghai, China. QA observed and/or found the following:

BAY 10, OBG BIKE PATH (NWIT # 07127)

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% and random Visual Testing (VT) of an area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The members are identified as OBG Components. The weld designations reviewed are as follows.

BK004A3-026-002, 010

BK004A5-026-002, 008

BAY 11, OBG BIKE PATH

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% and random Visual Testing (VT) of an area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The members are identified as OBG Components. The weld designations reviewed are as follows.

WELDING INSPECTION REPORT

(Continued Page 2 of 3)

BK004A6-018-073, 001, 002, 165, 007
BK004A8-018-073, 001, 002, 130, 007
BK004A3-018-002, 009
BK004A5-018-004, 009

This Quality Assurance (QA) Inspector observed the following work in progress:

BAY 11

OBG BIKE PATH, BOTTOM COVER PLATE

FCAW welding of weld joints 016 & 018 located on BK004A2-023.

Welder is identified as 040736. ZPMC CWI is identified as Yu Dong Ping.

The welding variables recorded by QC appeared to comply with WPS-B-T-2231-B-L1b-F-1.

OBG BIKE PATH, END PLATE

FCAW welding of weld joint 043 located on BK004A1-023.

Welder is identified as 040704. ZPMC CWI is identified as Yu Dong Ping.

The welding variables recorded by QC appeared to comply with WPS-B-T-2232-Tc-U4c-F.

OBG BIKE PATH, PLUG WELDING OF BOTTOM COVER PLATE

FCAW welding of weld joints 015 & 020 located on BK004A2-018.

Welders are identified as 202340 & 205649. ZPMC QC is identified as Mr. Zhao Mao Mao.

The welding variables recorded by QC appeared to comply with WPS-B-T-2132-2-PLUG.

TOWER BRACKET

SMAW welding of weld joint 006A located on ND1-BRSA5-002.

Welders are identified as 041271 & 040690. ZPMC QC is identified as Mr. Shao Hai Lang.

The welding variables recorded by QC appeared to comply with WPS-B-T-3212-Tc-U5b.

TOWER BRACKET REPAIR (T-WR3734)

SMAW welding of weld joint 013B located on SD1-BRSA5-001.

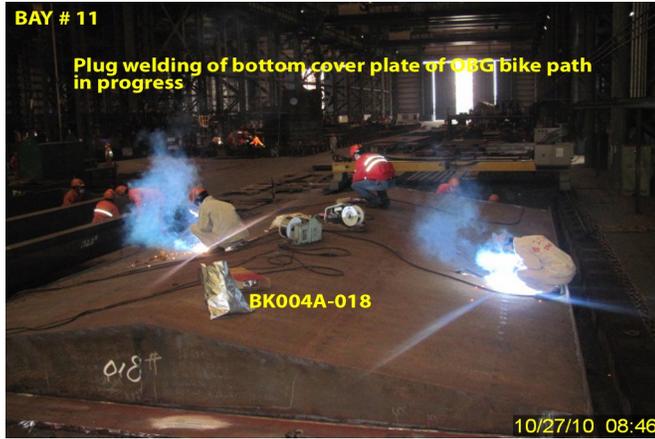
Welder is identified as 202100. ZPMC QC is identified as Mr. Shao Hai Lang.

The welding variables recorded by QC appeared to comply with WPS-485-SMAW-2G(2F)-REPAIR-1.

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

WELDING INSPECTION REPORT

(Continued Page 3 of 3)



Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

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 : 15000422372, who represents the Office of Structural Materials for your project.

Inspected By: Gaikwad,Umesh

Quality Assurance Inspector

Reviewed By: Clifford,William

QA Reviewer