DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
Office of Structural Materials
Quality Assurance and Source Inspection

Bay Area Branch
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Contract #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 69.28

WELDING INSPECTION REPORT

Resident Engineer: Pursell, Gary
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: WIR-013312
Date Inspected: 12-Apr-2010

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island

OSM Arrival Time: 700
OSM Departure Time: 1900
Location: Shanghai, China

CWI Name: An Qing Xiang, Zhang hong

Inspected CWI report:	☐ Yes	☑ No	☐ N/A
Electrode to specification:	☑ Yes	☐ No	☐ N/A
Qualified Welders:	☑ Yes	☐ No	☐ N/A
Approved Drawings:	☑ Yes	☐ No	☐ N/A

CWI Present:	☑ Yes	☐ No	
Rod Oven in Use:	☑ Yes	☐ No	☐ N/A
Weld Procedures Followed:	☑ Yes	☐ No	☐ N/A
Verified Joint Fit-up:	☐ Yes	☐ No	☑ N/A
Approved WPS:	☑ Yes	☐ No	☐ N/A
Delayed / Cancelled:	☐ Yes	☑ No	☐ N/A

Bridge No: 34-0006
Component: 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, Tower Skirt Plate

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

SSD1-SA447-1-8, 4
SSD1-SA447-2-9, 4
SSD1-SA447-3-8, 4
SSD1-SA447-4-10, 4

Bay 16, Tower Facade

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% and random Visual Testing (VT) of the area previously tested and accepted by ZPMC Quality Control personnel. This QA inspector generated

MT report for this date. The members are identified as Tower Components. The weld designations reviewed are as follows.

WD1-A224-2-1, 2, 20, 21
WD1-A145-2-3, 4, 6
ED1-A204-3-67, 1, 2, 3, 10
ED1-A222-3-9, 5, 7, 8, 13, 14, 19, 20
ED1-A227-2-1, 2, 21, 14, 23
ED1-A206-2-1, 2, 3, 4, 5, 6
ED1-A204-4-20, 67, 18, 44, 33, 65, 62
ED1-A222-4-5, 8, 13, 14, 19, 20

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

BAY 11

WEST TOWER LIFT 5, AE CORNER REPAIR (T-WR3175, REV. 0, Y=685)
SMAW welding of weld joint 33A/B (Repair) located on WSD1-TL5-4B/F.
Welder is identified as 044541. ZPMC CWI is identified as Mr. An Qing Xiang.
The welding variables recorded by QC appeared to comply with WPS-485-SMAW-2G(2F)-REPAIR-1.

WEST TOWER LIFT 5
SAW welding of weld joint 9A located on WSD1-TL5-4B/F.
Welder is identified as 047304. ZPMC QC is identified as Mr. Li Bin.
The welding variables recorded by QC appeared to comply with WPS-B-T-3221-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 conversation was held between QA and QC concerning this project.

WELDING INSPECTION REPORT

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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 : 15000422360, who represents the Office of Structural Materials for your project.

Inspected By:	Gaikwad,Umesh	Quality Assurance Inspector
Reviewed By:	Clifford,William	QA Reviewer