

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-011184**Date Inspected:** 08-Jan-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:** Chen Ying Xin, Tu Jun**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**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 11 TOWER LIFT 3 CONNECT BEAM

This QA inspector performed Ultrasonic Testing (UT) of approximately 10% and random Visual Testing (VT) of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. The members are identified as Tower Components. The weld designations reviewed are as follows.

WD1-STSA3-2-109M-2-3, 24, 10, 11, 61, 64 GREEN TAG NO. 11697

BAY 10

This QA inspector performed green tagging for the following parts. The members are identified as Tower Components. The weld designations reviewed are as follows.

SOUTH TOWER LIFT 2 D/E CORNER SEAM (1000mm FROM BOTTOM)

SSD1-TL5B/L-5A/B GREEN TAG NO. 6261R1

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SOUTH TOWER LIFT 2 A/E CORNER SEAM (1000mm FROM BOTTOM)
SSD1-TL5B/L-1A/B GREEN TAG NO. 6304R1

NORTH TOWER LIFT 3 ~ 4 SKIN B INTERIOR SPLICE PLATE
NSD1-SPSA4-26-1A/B, 2A/B GREEN TAG NO. 11588

NORTH TOWER LIFT 3 ~ 4 SKIN A INTERIOR SPLICE PLATE
NSD1-SPSA4-24-1A/B ~ 4A/B GREEN TAG NO. 11587

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

Bay 10

TOWER STRUT

SMAW welding of weld joint 18 located on ND1-STSA3-1-89M-1.
Welder is identified as 040268. ZPMC CWI is identified as Mr. Chen Ying Xin.
The welding variables recorded by QC appeared to comply with WPS-B-T-2112.

SOUTH TOWER LIFT 4 C/D CORNER DIAGONAL PLATE TO DIAPHRAGM

FCAW welding of weld joint 4 located on SSSL4-1K/L.
Welder is identified as 053869. ZPMC CWI is identified as Mr. Liu Zhong An.
The welding variables recorded by QC appeared to comply with WPS-B-T-4333-Tc-P5-F.

SOUTH TOWER LIFT 4 B/C CORNER DIAGONAL PLATE TO DIAPHRAGM

FCAW welding of weld joint 123 located on SSSL4-1G/L.
Welder is identified as 053869. ZPMC QC is identified as Mr. Li Peng Fei.
The welding variables recorded by QC appeared to comply with WPS-B-T-4333-Tc-P5-F.

NORTH TOWER LIFT 4 A/E CORNER SEAM REPAIR

SMAW welding of weld joint 3A/B (Repair) located on NSTL4-3B/L.
Welder is identified as 040269. ZPMC CWI is identified as Mr. Tu Jun.
The welding variables recorded by QC appeared to comply with WPS-345-SMAW-2G(2F)-REPAIR.

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.

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.

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