

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-010655**Date Inspected:** 02-Dec-2009**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, Du Zhi Qun**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:

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

Bay 10

SMAW welding of weld joint 18 located on ND1-A6002-1.

Welder is identified as 040267. ZPMC CWI is identified as Mr. Chen Ying Xin.

The welding variables recorded by QC appeared to comply with WPS-B-T-2112.

SMAW welding of weld joint 61B located on ED1-STSA3-2-89M-2.

Welder is identified as 040582. ZPMC CWI is identified as Mr. Chen Ying Xin.

The welding variables recorded by QC appeared to comply with WPS-B-T-3212-Tc-U5b-1.

FCAW welding of weld joint 4B located on NSD1-SPSA4-20.

Welder is identified as 040343. ZPMC QC is identified as Mr. Deng Zhi Bing.

The welding variables recorded by QC appeared to comply with WPS-B-T-2231-Tc-U5-F.

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SMAW welding of weld joint 11A located on ED1-STSA3-2-109M-2.

Welder is identified as 052493. ZPMC CWI is identified as Mr. Chen Ying Xin.

The welding variables recorded by QC appeared to comply with WPS-B-T-3212-Tc-U5b-1.

FCAW welding of weld joint 3B located on SSD1-SPSA4-18.

Welder is identified as 040533. ZPMC QC is identified as Mr. Deng Zhi Bing.

The welding variables recorded by QC appeared to comply with WPS-B-T-2231-Tc-U5-F.

NORTH TOWER LIFT 5 SKIN C

SAW welding of weld joint 8B located on NSD1-TL5-3C/F.

Welder is identified as 040460. ZPMC QC is identified as Jiang La Mei.

The welding variables recorded by QC appeared to comply with WPS-B-T-3221-B-U3c-S-1.

NORTH TOWER LIFT 4 BACKFILL PLATE

SMAW welding of weld joint 86 located on SSTL4-1K/L.

Welder is identified as 050289. ZPMC CWI is identified as Mr. Wang Chuan Qing.

The welding variables recorded by QC appeared to comply with WPS-B-T-3212-Tc-U2a-2.

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.

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