

**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-008570**Date Inspected:** 02-May-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:** Zhang Zhineng**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 date Caltrans OSM Quality Assurance (QA) Inspector, Utekar Shrikant was present during the times noted above for observations relative to the work being performed.

BAY #10

**Magnetic Particle Inspection**

This Q.A Inspector performed Magnetic particle testing of approximately 15% of the area previously tested and accepted by ZPMC Quality control personnel. This QA Inspector generated a (M.T) report for this date. The member are identified as the. The welds Designation are as follows.

The weld between skin E and Stiffener of Lift 3 South Tower.

This QA Inspector randomly observed the following work in progress.

Bay#10

FCAW welding process of the weld joint 106 located on PCM NSD1-A66-H/J. Welder is identified 040338  
ZPMC QC is identified Wing Chuangng. The welding variables recorded by QC appeared to comply with the  
WPS-B-T-4133-TC-P4-F

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## WELDING INSPECTION REPORT

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BAY#2

FCAW welding process of the weld joint 348 located on PCM SEG1E. Welder is identified 045203 ZPMC QC is identified Songhui Wuzhicheng. The welding variables recorded by QC appeared to comply with the WPS-B-T-2233-TC-U4B-F

FCAW welding process of the weld joint 345 located on PCM SEG1E. Welder is identified 215676 ZPMC QC is identified Songhui Wuzhicheng. The welding variables recorded by QC appeared to comply with the WPS-B-T-2233-TC-U4B-F

FCAW welding process of the weld joint 345 located on PCM SEG1E. Welder is identified 215676 ZPMC QC is identified Songhui Wuzhicheng. The welding variables recorded by QC appeared to comply with the WPS-B-T-2233-TC-U4B-F

BAY#11

FCAW welding process of the weld joint 25A located on PCM WSD1-FASA3-2E/E. Welder is identified 053316 ZPMC QC is identified Zhang Zhineng. The welding variables recorded by QC appeared to comply with the WPS-B-T-2231-TC-U5-F.

FCAW welding process of the weld joint 29A located on PCM WSD1-FASA3-2E/E. Welder is identified 040775 ZPMC QC is identified Zhang Zhineng. The welding variables recorded by QC appeared to comply with the WPS-B-T-2231-TC-U5-F

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

**Summary of Conversations:**

No relevant conversation

**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 + (86) 15000422372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Utekar, Shrikant	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford, William	QA Reviewer

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