

**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-010306**Date Inspected:** 20-Nov-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:** Mr. Chen ying xin**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 date Caltrans OSM Quality Assurance(QA) Inspector, Baskar Govindarajan, was present during the times noted above for observations relative to the work being performed.

**Machining area**

1. This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 037932 perform SMAW repair welding on, 109 mtr. Skin A fit lug, North tower, Lift 3. The weld joint identified as NSTL3- 3 I/K-139. ZPMC CWI Identified as Mr. Liu zhong an. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345+485-SMAW-2G (2F)- Repair.

**Bay -10**

2. This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 057266 perform SMAW welding on, spare strut plate, web to flange, weld joint identified as ED1-STSA3-2-99mtr. -2-64B. ZPMC CWI Identified as Mr. Chen ying xin. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-3212-TC-U5B-1.

3. This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 050289 perform SMAW welding on, strut plate, web to stiffener joint, weld joint identified as ND1-A 6002-7-21. ZPMC CWI Identified as Mr. Chen ying xin. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2113.

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4.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 048627 perform FCAW welding on, interconnecting splice plate, weld joint identified as NSD1-SPSA4-26-2A . ZPMC CWI Identified as Mr. Gong giang zhu. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-B-T-2231-TC-U5-F.

5.This QA inspector, Baskar Govindarajan, observed, ZPMC qualified welding personnel identified as 040533 perform FCAW welding on, North tower bearing stiffeners, weld joint identified as P1144, P 175 . ZPMC CWI Identified as Mr. Gong giang zhu. The welding parameters as measured using QC's calibrated instruments appeared to be in general compliance with WPS-345-FCAW-2G (2F)-repair.

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

### Summary of Conversations:

No relevant conversations.

### 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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<b>Inspected By:</b>	Baskar, Govindarajan	Quality Assurance Inspector
<b>Reviewed By:</b>	Clifford, William	QA Reviewer

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