

**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-013725**Date Inspected:** 22-May-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:** Lv Liqian**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 Components**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, S.Chandrakumar was present during the times noted above for observations relative to the work being performed.

BAY#14

SMAW welding of weld joint 3F-036/037 located on PCMK SEG059D of segment 10AW welder is identified as 066268. ZPMC QC is identified as Mr. Li ming yang. The welding variables recorded by QC appeared to Comply with the WPS-B-T-4113-2

FCAW welding of weld joint 1G-029 located on PCMK EP140-001 of segment 11DW welder is identified as 051848. ZPMC QC is identified as Mr. Zhong yonh gang. The welding variables recorded by QC appeared to Comply with the WPS-B-P-2214-Tc-U4b-F.

FCAW welding of repair weld joint 1G-145 located on PCMK SEG3003G of segment 12CE welder is identified as 200113. ZPMC QC is identified as Mr. Guo xing hui. The welding variables recorded by QC appeared to Comply with the WPS-345-FCAW-1G(1F)-repair and Temporary welding repair report.

FCAW welding of Deck panel diaphragm to floor beam flange in segment 12BE, PP@113 the weld is identified as SEG3002J-009/010 completed, expect where the root gap found more than 5mm locations.

OUTSIDE YARD

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# WELDING INSPECTION REPORT

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9DW

Arc gouging of misaligned Floor beam FB011-024- web (FL-1, Bike path side) to corner assembly diaphragm stiffener in segment 9DW the weld is identified as SSD10-PP80-001 and SSD10-PP80-001. This repair work ZPMC has report B-WR12244.

Unless otherwise noted, all work observed on this date 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-15--0042-2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Kumar,Chadra	Quality Assurance Inspector
<b>Reviewed By:</b>	McClendon,Timothy	QA Reviewer

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