

**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-015892**Date Inspected:** 30-Jul-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:** Geng wei / Xu Tao / Li Jia**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 repair weld joint 3G-009 located on PCMK SEG3005\* for Segment 12BW the welder is identified as 067183. ZPMC QC is identified as Mr. Guo xing hui. The welding variables recorded by QC appeared to Comply with the WPS-345-SMAW-3G(3F)-FCM-Repair.

SMAW welding of critical repair weld joint 2F-056 located on PCMK SEG3006S for Segment 12CW the welder is identified as 040344. ZPMC QC is identified as Mr. Guo xing hui. The welding variables recorded by QC appeared to Comply with the WPS-345-SMAW-2G(2F)-Repair and CWR-1754.

SAW welding of weld joint 1G-006 located on PCMK SEG3009A for Segment 13BE the welder is identified as 044780. ZPMC QC is identified as Mr. Zhong liu. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2221-B-L2C-S-2.

SMAW welding of repair weld joint 3G-019 located on PCMK DP3056-001 for Segment 12BW the welder is identified as 066179. ZPMC QC is identified as Mr. Guo xing hui. The welding variables recorded by QC appeared to Comply with the WPS-345-SMAW-3G(3F)-Repair.

BAY#8

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# WELDING INSPECTION REPORT

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SAW welding of weld joint 1G-009 located on PCMK BK004A1-062 for OBG Bike path the welder is identified as 040831. ZPMC QC is identified as Mr. Yang qing feng. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2221-B-L2C-S-2.

## OUTSIDE SHOP

SMAW welding of weld joint 3F-034 located on PCMK CA094 for Segment 11EE the welder is identified as 049339. ZPMC QC is identified as Mr. Li ping. The welding variables recorded by QC appeared to Comply with the WPS-B-T-4113-2.

## BLAST SHOP#1

Caltrans Quality Assurance (QA) Inspectors performed random visual inspection of OBG segment 10BW internal deck panel U-ribs, floor beam and corner assembly surfaces from the panel point 89 to 91 after grit blasting. Areas requiring additional grinding were marked by QA and repaired by ZPMC personnel.

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
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<b>Reviewed By:</b>	McClendon, Timothy	QA Reviewer
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