

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave. St. 150  
Vallejo, CA 94592-1133  
(707) 649-5453  
(707) 649-5493

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-013882**Date Inspected:** 08-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:** Zhou zhonghai / Zhou cheng**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 3G-015 located on PCMK SEG071E of Segment 11DW welder is identified as 051348. ZPMC QC is identified as Mr. Li ming yang. The welding variables recorded by QC appeared to Comply with the WPS-B-P-2213-Tc-U4b-FCM-1.

SAW welding of weld joint 1G-006 located on PCMK SEG3005\* of Segment 12BW welder is identified as 045265. ZPMC QC is identified as Mr. Tao wei . The welding variables recorded by QC appeared to Comply with the WPS-B-T-223(2)1T-2.

**OUTSIDE SHOP**

SMAW welding of weld joint 3F-025 located on PCMK CA087 of Segment 11CE welder is identified as 068918. ZPMC QC is identified as Mr. Li Ping. The welding variables recorded by QC appeared to Comply with the WPS-B-T-4113-2.

SMAW welding of weld joint 2G-014 located on PCMK CA078 of Segment 10CE welder is identified as 217805. ZPMC QC is identified as Mr. Li Ping. The welding variables recorded by QC appeared to Comply with the WPS-B-P-2212-Tc-U4b-FCM-1.

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## WELDING INSPECTION REPORT

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BAY#19

FCAW welding of weld joint 2F-020 located on PCMK BP026-015 of Lift 13 welder is identified as 062752. ZPMC QC is identified as Mr. Zhou cheng. The welding variables recorded by QC appeared to Comply with the WPS-B-T-2132.

This QA inspector performed 15% MT of weld areas previously tested and accepted by ZPMC Quality Control personnel. This QA inspector generated an MT report for this date. The members are identified as Bottom plate. The weld designations reviewed are as follows:

NWIT- 005690.

BP025-012-004 ~ 023, 044~053.

BAY#16

This QA inspector performed VT of weld areas previously tested and accepted by ZPMC Quality Control personnel. This QA inspector generated an VT report for this date. The members are identified as Cat walk. The weld designations reviewed are as follows:

NWIT- 005685.

Type1-43 nos.

Type4-15 nos.

Type7-11 nos.

Type9-09 nos.

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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