

**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:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-019129**Date Inspected:** 17-Dec-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:** Li yan hua**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#19

FCAW welding of repair weld is identified as 1G-044 of BK005A1-002 for BK005A-002. The welder is identified as 062783. ZPMC QC is identified as Mr. Li yan hua. The welding variables recorded by QC are appeared to comply with the WPS-345-FCAW-1G-ESAB-Repair and B-WR19181.

FCAW welding of repair weld is identified as 2G-043 of BK004A1-014 for BK004A-014. The welder is identified as 062808. ZPMC QC is identified as Mr. Li yan hua. The welding variables recorded by QC are appeared to comply with the WPS-345-FCAW-2G-ESAB-Repair and B-WR19182.

SMAW welding of repair weld is identified as 4G-044 of BK004B1-001 for BK004B-001. The welder is identified as 259566. ZPMC QC is identified as Mr. Li yan hua. The welding variables recorded by QC are appeared to comply with the WPS-345-SMAW-4G-Repair and B-WR19179.

ABF QC UT personnel performing UT of bike path deck plate to side plate CJP weld is identified as of BK004A-013.

ABF QC MT personnel performing MT of bike path bottom cover plate CJP and plug welds is identified as BK004A2-006-016,018,017,015 of BK004A-006.

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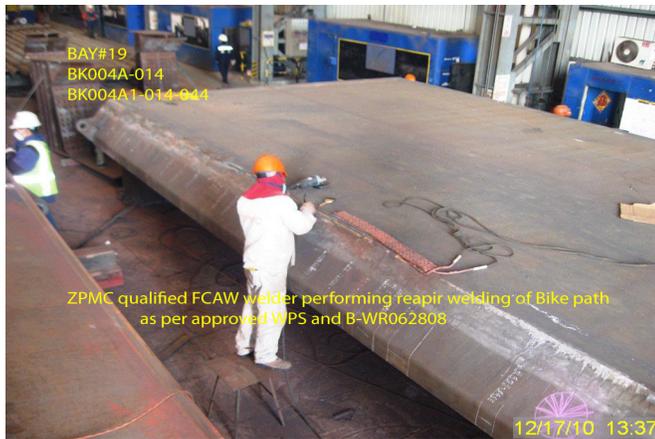
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This QA inspector performed MT 15% of weld areas previously tested and accepted by ZPMC Quality Control personnel. This QA inspector generated an MT report for this date. The members are identified as OBG Bike path. The weld designations reviewed as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

BK004A6-014-061,096,102,063,080,090,100,007,078,088,098

BK004A8-014-061,065,076,082,086,092,096,102,063,080,090

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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**Inspected By:** Kumar,Chadra

Quality Assurance Inspector

**Reviewed By:** Patel,Hiranch

QA Reviewer