

**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-022301**Date Inspected:** 19-Mar-2011**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:** Xu Le Feng**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 Office of Structural Materials Quality Assurance Inspector, Sandeep Kumar (QA) was present during the times noted above for observations relative to the work being performed.

BAY#10

This QA Inspector observed the following work in progress

Shielded Metal Arc Welding (SMAW):

Weld joint #005 located on Bike path component BK17D-001. Welder is identified as 040365. ZPMC Quality Control (QC) Inspector is identified as Sun Zi Wang. The welding variables recorded by QC appeared to comply with the WPS-B-P-2312-Tc-P5. (See attached photo)

Weld joint #016 located on Traveler Rail 29TR1. Welder is identified as 050038. ZPMC Quality Control (QC) Inspector is identified as Jiang Xiao Bo. The welding variables recorded by QC appeared to comply with the WPS-B-P-2212-Tc-U5b.

Weld joint #006 located on Bike path component BK17D-001. Welder is identified as 040365. ZPMC Quality Control (QC) Inspector is identified as Sun Zi Wang. The welding variables recorded by QC appeared to comply with the WPS-B-P-2312-Tc-P5.

Weld joint #016 located on Traveler Rail 25TR1. Welder is identified as 050038. ZPMC Quality Control (QC)

---

---

# WELDING INSPECTION REPORT

( Continued Page 2 of 3 )

---

---

Inspector is identified as Jiang Xiao Bo. The welding variables recorded by QC appeared to comply with the WPS-B-P-2212-Tc-U5b. (See attached photo)

Flux Cored Arc Welding (FCAW):

Weld joint #017 located on Bike path BK17B-001. Welder is identified as 040367. ZPMC Quality Control (QC) Inspector is identified as Sun Zi Wang. The welding variables recorded by QC appeared to comply with the WPS-B-T-2231-ESAB.

Weld joint #002 located on Bike path BK3001-001. Welder is identified as 040365. ZPMC Quality Control (QC) Inspector is identified as Sun Zi Wang. The welding variables recorded by QC appeared to comply with the WPS-B-T-2231-ESAB.

Weld joint #015 located on Bike path BK17B-001. Welder is identified as 057266. ZPMC Quality Control (QC) Inspector is identified as Sun Zi Wang. The welding variables recorded by QC appeared to comply with the WPS-B-T-2231-ESAB.

Weld joint #004 located on Bike path BK3001-001. Welder is identified as 040365. ZPMC Quality Control (QC) Inspector is identified as Sun Zi Wang. The welding variables recorded by QC appeared to comply with the WPS-B-T-2231-ESAB.

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 Eric Tsang - 15000422372, who represents the Office of Structural Materials for your project.

---

---

# WELDING INSPECTION REPORT

*( Continued Page 3 of 3 )*

---

---

<b>Inspected By:</b>	Kumar,Sandeep	Quality Assurance Inspector
----------------------	---------------	-----------------------------

<b>Reviewed By:</b>	Clifford,William	QA Reviewer
---------------------	------------------	-------------