

**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:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-023044**Date Inspected:** 25-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

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No. 08620

Ultrasonic Testing (UT)

This QA inspector performed UT of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. The member is identified as OBG Component. The weld designation reviewed as follows:

BIKE PATH

BK010A1-001-043; 044

The following Non Destructive Testing (NDT) inspection carried out as per the ZPMC submitted Notification No. 08625

Ultrasonic Testing (UT)

This QA inspector performed UT of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an UT report for this date. The member is identified as OBG Component. The weld

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designation reviewed as follows:

TRAVELER RAIL

26TR2-0120; 025; 029

This QA Inspector observed the following work in progress

Shielded Metal Arc Welding (SMAW):

Repair welding of weld joint #004 located on Bike Path BK15B-001 as per the weld repair report#B-WR20496.

Welder is identified as 040581. ZPMC Quality Control (QC) Inspector is identified as Jiang Xiao Bo. The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-2G (2F)-REPAIR.

Repair welding of weld joint #017 located on Bike Path BK15-001 as per the weld repair report#B-WR20497.

Welder is identified as 500363. ZPMC Quality Control (QC) Inspector is identified as Jiang Xiao Bo. The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-2G (2F)-REPAIR.

Repair welding of weld joint #031 located on Bike Path BK15A-001 as per the weld repair report#B-WR20496.

Welder is identified as 057220. ZPMC Quality Control (QC) Inspector is identified as Jiang Xiao Bo. The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-2G (2F)-REPAIR.

Repair welding of weld joint #017 located on Bike Path BK17B-001 as per the weld repair report#B-WR20489.

Welder is identified as 057258. ZPMC Quality Control (QC) Inspector is identified as Jiang Xiao Bo. The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-1G (1F)-REPAIR. (See attached photo)

Repair welding of weld joint #016 located on Bike Path BK15-001 as per the weld repair report#B-WR20496.

Welder is identified as 500363. ZPMC Quality Control (QC) Inspector is identified as Jiang Xiao Bo. The welding variables recorded by QC appeared to comply with the WPS-345-SMAW-2G (2F)-REPAIR.

BAY#11

This QA Inspector observed the following work in progress

Shielded Metal Arc Welding (SMAW):

Weld joint #013 located on Traveler Rail 33TR1-001. Welder is identified as 044541. ZPMC Quality Control (QC) Inspector is identified as Wang Chuang Xin. The welding variables recorded by QC appeared to comply with the WPS-B-P-2212-Tc-U5b. (See attached photo)

Weld joint #013 located on Traveler Rail 33TR1-001. Welder is identified as 040611. ZPMC Quality Control (QC) Inspector is identified as Wang Chuang Xin. The welding variables recorded by QC appeared to comply with the WPS-B-P-2212-Tc-U5b.

Weld joint #013 located on Traveler Rail 33TR1-001. Welder is identified as 202354. ZPMC Quality Control (QC) Inspector is identified as Wang Chuang Xin. The welding variables recorded by QC appeared to comply with the WPS-B-P-2212-Tc-U5b.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract

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# WELDING INSPECTION REPORT

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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 Thomas Ho - 15000422372, who represents the Office of Structural Materials for your project.

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**Inspected By:** Kumar,Sandeep

Quality Assurance Inspector

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**Reviewed By:** Clifford,William

QA Reviewer