

**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-016140**Date Inspected:** 09-Aug-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 Yang**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:** Orthotropic Box Girder (OBG)**Summary of Items Observed:**

On this day CALTRANS OSM Quality Assurance (QA) Inspector Manoj Prabhune was present during the times noted above Company (ZPMC) at Changxing Island in Shanghai, China. QA observed and/or found the following:

for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery

This QA Inspector randomly observed the following work in progress:

**OBG # TRIAL ASSEMBLY YARD****Segment # 10AW**

This QA inspector observed, ZPMC qualified welding personnel identified as 202384 perform Shielded Metal Arc Welding (SMAW), weld joint identified as SP110-001-05; ZPMC CWI is identified as Mr. Li Yang. The welding parameters measured using QC's calibrated instrument appeared to be in general compliance with WPS-B-T-2132. See the attached below Photo.

**Segment # 10AW**

This QA inspector observed, ZPMC qualified welding personnel identified as 067665 perform Shielded Metal Arc Welding (SMAW), weld joint identified as SEG059-040; ZPMC CWI is identified as Mr. Li Yang. The welding parameters measured using QC's calibrated instrument appeared to be in general compliance with WPS-B-P-2214-TC-U4b-FCM-1. See the attached below Photo.

**Segment # 9DW ~ 9EW**

# WELDING INSPECTION REPORT

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This QA inspector observed, ZPMC qualified welding personnel identified as 067610 perform Shielded Metal Arc Welding (SMAW), weld joint identified as OBW9C-008; ZPMC QC is identified as Mr. Zhong Peng. The welding parameters measured using QC's calibrated instrument appeared to be in general compliance with WPS-B-P-2214-B-U2-FCM-1.

## Segment # 9DW ~ 9EW

This QA inspector observed, ZPMC qualified welding personnel identified as 067764 perform Shielded Metal Arc Welding (SMAW), weld joint identified as OBW9C-006; ZPMC QC is identified as Mr. Zhong Peng. The welding parameters measured using QC's calibrated instrument appeared to be in general compliance with WPS-B-P-2214-B-U2-FCM-1.

## Segment # 9DW

This QA inspector observed, ZPMC qualified welding personnel identified as 067942 perform Shielded Metal Arc Welding (SMAW), weld joint identified as SEG055A-028; ZPMC QC is identified as Mr. Zhong Peng. The welding parameters measured using QC's calibrated instrument appeared to be in general compliance with WPS-B-P-2214-TC-U4b-FCM.

## Segment # 9CW

This QA inspector observed, ZPMC qualified welding personnel identified as 066038 perform Shielded Metal Arc Welding (SMAW), weld joint identified as SEG053C-001; ZPMC CWI is identified as Mr. Li Yang. The welding parameters measured using QC's calibrated instrument appeared to be in general compliance with WPS-B-P-2214-TC-U4b-FCM.

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



## Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

## 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 phone: 15000422372, who represents the Office of Structural Materials

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## WELDING INSPECTION REPORT

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for your project.

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| <b>Inspected By:</b> | Prabhune,Manoj | Quality Assurance Inspector |
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| <b>Reviewed By:</b> | Patterson,Rodney | QA Reviewer |
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