

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
 690 Walnut Ave. St. 150  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-022774**Date Inspected:** 21-Mar-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Cui Zheng 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**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Dennis Combs, was present during the times noted above for the observations relative to the work being performed.

**BAY 14**

This QA Inspector observed the following work in progress for Bay 14.

ZPMC was using the Shielded Metal Arc Welding (SMAW) process.

ZPMC QC is identified as Wang Xu.

Welding variables recorded by QC appeared to comply with the approved Welding Procedure Specification (WPS).

Listed below are the locations that were identified by this QA inspector.

Component: Vertical Plate

PCMK: VP3007-001

Weld Number: 014, 015

Welder: 067183

WPS-B-P-2214-TC-U4b-FCM-1

Component: Vertical Plate

PCMK: VP3007-001

Weld Number: 017, 018

Welder: 037932

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WPS-B-P-2214-TC-U4b-FCM-1

Component: Vertical Plate

PCMK: SEG3011U

Weld Number: 007

Welder: 067656

WPS-B-P-2214-TC-U4b-FCM-1

Component: Bottom Plate I Rib

PCMK: SEG3019BB

Weld Number: 038, 060, 219, 220

Welder: 216086

WPS-B-P-2213-B-U4b-FCM-1

Component: Bottom Plate I Rib

PCMK: SEG3019BB

Weld Number: 148, 224, 225

Welder: 215553

WPS-B-P-2213-B-U4b-FCM-1

Component: Deck Plate Diaphragm

PCMK: DP3091-001

Weld Number: 019

Welder: 051359

WPS-B-P-2213-TC-U4b-FCM-1

Component: Vertical Plate

PCMK: SEG3009E

Weld Number: 207

Welder: 051359

WPS-B-P-2213-TC-U4b-FCM-1

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 150-0042-2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Combs,Dennis	Quality Assurance Inspector
<b>Reviewed By:</b>	Riley,Ken	QA Reviewer

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