

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-012700**Date Inspected:** 16-Mar-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:** Mr. 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:**

This CALTRANS OSM Quality Assurance Inspector (QA) Surendra Prabhu was present during the times noted above for observations relative to the fabrication of the Self Anchored Suspension (SAS) Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island, in Shanghai, China. QA observed and/or found the following:

OBG TRIAL ASSEMBLY

This QA Inspector Randomly observed the following work in progress:

SEGMENT: 7AW-7BW

Shielded Metal Arc Welding (SMAW) welding of weld joint OBW7-002. Welder is identified as 045196. ZPMC Quality Control (QC) is identified as Mr. Zhong Yong Gang. The welding variables recorded by QC appeared to comply with the Applicable WPS: WPS-B-P-2214-B-U2-FCM-1.

Shielded Metal Arc Welding (SMAW) welding of weld joint OBW7-003. Welder is identified as 066361. ZPMC Quality Control (QC) is identified as Mr. Zhong Yong Gang. The welding variables recorded by QC appeared to comply with the Applicable WPS: WPS-B-P-2214-B-U2-FCM-1.

Shielded Metal Arc Welding (SMAW) welding of weld joint OBW7-004. Welder is identified as 066326. ZPMC Quality Control (QC) is identified as Mr. Zhong Yong Gang. The welding variables recorded by QC appeared to

WELDING INSPECTION REPORT

(Continued Page 2 of 3)

comply with the Applicable WPS: WPS-B-P-2214-B-U2-FCM-1.

SEGMENT: 7BE-7CE

Shielded Metal Arc Welding (SMAW) welding of weld joint OBE7C-006. Welder is identified as 067183. ZPMC Quality Control (QC) is identified as Mr.Wang Zhu. The welding variables recorded by QC appeared to comply with the Applicable WPS: WPS-B-P-2214-B-U2-FCM-1.

Shielded Metal Arc Welding (SMAW) welding of weld joint OBE7C-007. Welder is identified as 037932. ZPMC Quality Control (QC) is identified as Mr.Wang Zhu. The welding variables recorded by QC appeared to comply with the Applicable WPS: WPS-B-P-2214-B-U2-FCM-1.

SEGMENT: 6AW-6BW –Panel Point (PP)#40-41.

This QA Inspector observed ZPMC Personnel's performing bolt snug tightening for the U-Ribs to U-Ribs internal splice plate at Segment SEGMENT: 6AW-6BW – PP #40-41.

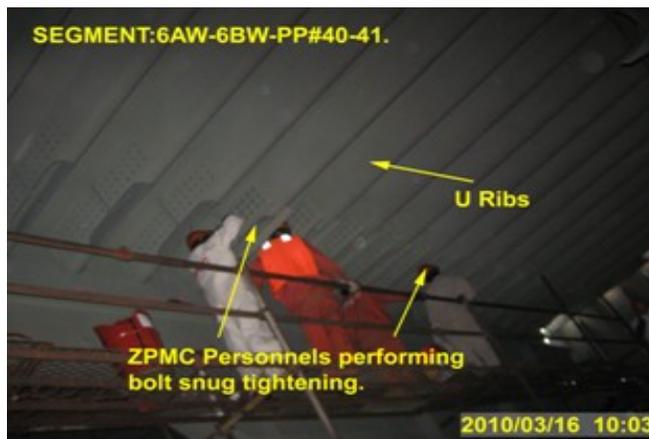
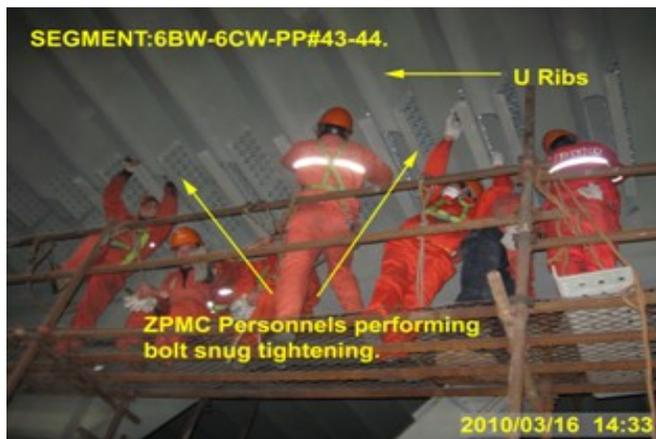
The attached photographs provide additional detail.

SEGMENT: 6BW-6CW- PP#43-44.

This QA Inspector observed ZPMC Personnel's performing bolt snug tightening for the U-Ribs to U-Ribs internal splice plate at SEGMENT: 6BW-6CW- PP#43-44.

The attached photographs provide additional detail.

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 Quality Control (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 15000422372, who represents the Office of Structural Materials for your project.

WELDING INSPECTION REPORT

(Continued Page 3 of 3)

Inspected By:	Prabhu,Surendra	Quality Assurance Inspector
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Reviewed By:	Miller,Mark	QA Reviewer
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