

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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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-024659**Date Inspected:** 15-Jun-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:** Mr. An Qing Xiang**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 open yard.

The following Non Destructive Testing (NDT) Inspection was carried out as per the ZPMC submitted Notification No.09479.

Magnetic Particle Testing (MT)

This QA randomly witnessed and performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA generated a MT report for this date. The members are identified as OBG weld Components. Total number of welds MT tested: (2).The weld designation inspected was as follows:

1. SA3030-020-001,007

This QA Inspector randomly observed the following work in progress:

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

Shielded Metal Arc Welding (SMAW) welding of weld joint identified as SA3129A-006-001. Welder is identified as 069841. ZPMC QC is identified as Mr. Hu Mei gang. The welding variables recorded by QC personnel observed appeared to comply with Welding Procedure Specification (WPS): WPS-B-P-2112-FCM-1.

SMAW welding of weld joint identified as SA3137A-001-001. Welder is identified as 066156. ZPMC QC is identified as Mr. Hu Mei gang. The welding variables recorded by QC personnel observed appeared to comply with WPS: WPS-B-P-2112-FCM-1.

SMAW welding of weld joint identified as SA3137B-001-003. Welder is identified as 067947. ZPMC QC is identified as Mr. Hu Mei gang. The welding variables recorded by QC personnel observed appeared to comply with (WPS): WPS- B-P-2112-FCM-1.

SMAW welding of weld joint identified as SA3137A-002-001. Welder is identified as 067079. ZPMC QC is identified as Mr. Hu Mei gang. The welding variables recorded by QC personnel observed appeared to comply with WPS: WPS B-P-2112-FCM-1.

ZPMC personnel shifting the segment from trial assembly open yard to bay 14. See attached photos for further details.

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

Summary of Conversations:

No significant conversations were reported on this date.

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.

Inspected By:	Prabhu,Surendra	Quality Assurance Inspector
Reviewed By:	Peterson,Art	QA Reviewer
