

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
690 Walnut Ave. St. 150
Vallejo, CA 94592-1133
(707) 649-5453
(707) 649-5493

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-017769**Date Inspected:** 05-Nov-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:** Zhu Zhong Hai**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 for observations relative to the fabrication of the SAS Superstructure being performed by Zhenhua Port Machinery Company (ZPMC) at Changxing Island in Shanghai, China. QA observed and/or found the following:

ZPMC SHIP # 19

This QA Inspector performed photo documentation along with Caltrans QA inspector (Mr. Manikandan) on segment lift 10 (East) located on ZPMC ship # 19 prior to being shipped to San Francisco California for erection. The following locations and members documented are as followed:

Lift 10 East (Panel Point 86~94) following sequence pictures documented

Segment # 10AE, 10BE, 10CE

1. Intermediate Corner Assembly for cross and vertical truss post bolting area (Cross Beam and Bike Path Side).
2. Longitudinal Diaphragm – Bike Path side of segment.
3. Longitudinal Diaphragm – Crossbeam side of segment.
4. Corner Assembly covering overall view, Deck Panel I-stiffeners, Edge Panel I-Stiffeners and Side Cross Beam and Bike path Side.
5. Sea fasteners installed at the Bottom Panel facing west and facing east Cross Beam and Bike path Side.

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- 6. Floor Beam- Cross Beam and Bike Path Side facing west and facing east.
- 7. Lower and Upper Chevron with sea fastening structures Cross Beam and Bike Path Side facing west and facing east.

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

Summary of Conversations:

No significant conversation 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 phone: 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Prabhune,Manoj	Quality Assurance Inspector
Reviewed By:	Peterson,Art	QA Reviewer
