

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:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-023326**Date Inspected:** 28-Jun-2009**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:	N/A	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 Trial Assembly	

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance (QA) Inspector, S. Manjunath Math was present during the time noted above for observations relative to the work being performed.

This QA Inspector randomly observed the following work in progress:

Orthotropic Box Girder (OBG) Trial Assembly Areas

Lift 2 West (2AW to 2BW)

This Quality Assurance (QA) Inspector witnessed final tension verification against Bolting Inspection Notification Sheet No. 00049 Dated 06.28.2009. for side panel to floor beam clips (from PP 14 to 18 except PP14.5) and Bottom plate to Floor Beam clips for Segment 2AW to 2BW between PP 14 to 18. During the process of tension verification noticed gap between the faying surfaces and confirmed by sliding the 6" steel ruler and shown to the ZPMC QC to Mr. Shen Zhen Bo and ZPMC QA Mr. Lay Tao. Mr. Lay Tao cancelled the Inspection notification and said we will check internally and then we will offer for Ct (Caltrans) Inspection.

Lift 2 West (2AW to 2BW)

This Quality Assurance (QA) Inspector witnessed final tension verification against Bolting Inspection Notification Sheet No. 00049 Dated 06.28.2009. for side panel to floor beam clips (from PP 14 to 18 except PP14.5) for Segment 2AW to 2BW at PP 16 South side 2nd Clip from the Longitudinal Stiffener (Diaphragm). During the

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

process of tension verification noticed gap between the faying surfaces and confirmed by sliding the 6" steel ruler and shown to the ZPMC QC to Mr. Shen Zhen Bo and ZPMC QA Mr. Lay Tao. Mr. Lay Tao cancelled the Inspection notification and said we will check internally and then we will offer for Ct (Caltrans) Inspection.

Lift 2 West (2AW to 2BW)

This Quality Assurance (QA) Inspector received Bolting Inspection notification no. 00050 Dated 06.28.2009. for Corner Assembly for Segment 2AW to 2BW between PP 13 to 18. Mr. Lay Tao (ZPMC QA) cancelled the Inspection notification stating that it is not ready for inspection.

Lift 2 East (2AE to 2BE)

This Quality Assurance (QA) Inspector randomly witnessed in-progress splice plate installation for Side Panel to Side Panel for North and South side and Bottom plate bolt installation Panel Point No. 13 and 15.

Lift 2 West (2AW to 2BW)

This Quality Assurance (QA) Inspector randomly witnessed in-progress bolting rotation of nut for lower chevron from the PP 13 to PP 16. Side panel bolting installation and snug tightening in progress.

Lift 4 (4AW to 4BW)

This Quality Assurance (QA) Inspector helped to locate the punch list for T-Rib splice plate which is misaligned as per my record I located between PP 27 and PP 28 North side at the 6th T-rib from the Corner Assembly and 14th T-Rib from Longitudinal Stiffener, but ABF(Mr. Kevin) said it not the location which is mentioned in the punch list as per him North side PP 25 and 26 but he didn't find the location so he confirmed that it could be what I had shown.

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

Summary of Conversations:

No relevant 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:	Math,Manjunath	Quality Assurance Inspector
Reviewed By:	Miller,Mark	QA Reviewer
