

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 #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-020267**Date Inspected:** 29-Jan-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)**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 Mr. 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) at Trial Assembly Areas

Segment 14AW (Segment Assembly)

This QA Inspector performed Dimension Control Inspection for the Hinge Pipe Stiffeners distance, distance was measured within the 25mm from fillet weld for the Segment 14AW at Panel Point (PP) 127 at the following locations at Bay # 14:

North Side (Cross Beam side)

Measured the Elevation of Stiffeners at 967mm.

Measured the Elevation of Stiffeners at 2292mm.

Measured the Elevation of Stiffeners at 3042mm.

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Measured the Elevation of Stiffeners at 4042mm.

Measured the Elevation of Stiffeners at 4828mm.

South Side (Counter Weight side)

Measured the Elevation of Stiffeners at 967mm.

Measured the Elevation of Stiffeners at 2292mm.

Measured the Elevation of Stiffeners at 3042mm.

Measured the Elevation of Stiffeners at 4042mm.

Measured the Elevation of Stiffeners at 4828mm.

The QA Inspector measured the Mis-Alignment using 600mm Straight Edge, Carpenter Square and Measuring Tape.

The measurements were recorded in the Dimension Control Plan (DCP) on a separate form and submitted to the Lead Inspector and Engineer for review and disposition.

Segment 14AW (Segment Assembly)

This QA Inspector performed Dimension Control Inspection for the Hinge Pipe Stiffeners distance, distance was measured within the 25mm from fillet weld for the Segment 14AW at Panel Point (PP) 127.3 at the following locations at Bay # 14:

North Side (Cross Beam side)

Measured the Elevation of Stiffeners at 967mm.

Measured the Elevation of Stiffeners at 2292mm.

Measured the Elevation of Stiffeners at 3042mm.

Measured the Elevation of Stiffeners at 4042mm.

Measured the Elevation of Stiffeners at 4828mm.

South Side (Counter Weight side)

Measured the Elevation of Stiffeners at 967mm.

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Measured the Elevation of Stiffeners at 2292mm.

Measured the Elevation of Stiffeners at 3042mm.

Measured the Elevation of Stiffeners at 4042mm.

Measured the Elevation of Stiffeners at 4828mm.

The QA Inspector measured the Mis-Alignment using 600mm Straight Edge, Carpenter Square and Measuring Tape.

The measurements were recorded in the Dimension Control Plan (DCP) on a separate form and submitted to the Lead Inspector and Engineer for review and disposition.

Bike Path at Bay # 10

This QA Inspector performed Dimension Control Inspection on the Bike Path bottom plate for flatness check across the longitudinal butt weld. Flatness check was performed on following mentioned Bike Paths and Bike Path are identified as:

BK004A-030.

The QA Inspector measured the flatness using 600mm long straight edge across the Butt (CJP) weld and using 1500mm long straight edge between the stiffeners which are plug weld to bottom plate.

Observed flatness within the allowable tolerance.

The result of the inspection was informed to ZPMC QC Supervisor Mr. Xu Le Feng, ABF Mr. Man Kam Hon and Caltrans Lead Inspector Mr. Mark Miller and Mr. Hiranch Patel.

Bike Path at Bay # 8

This QA Inspector performed Dimension Control Inspection on the Bike Path bottom plate for flatness check across the longitudinal butt weld. Flatness check was performed on following mentioned Bike Paths and Bike Path are identified as:

BK004A-057.

The QA Inspector measured the flatness using 600mm long straight edge across the Butt (CJP) weld and using 1500mm long straight edge between the stiffeners which are plug weld to bottom plate.

Observed flatness within the allowable tolerance.

The result of the inspection was informed to ZPMC QC Supervisor Mr. Liu Famen, ABF Mr. Wang Zhong Yuan

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and Caltrans Lead Inspector Mr. Mark Miller and Mr. Hiranch Patel.

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
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Reviewed By:	Dsouza,Christopher	QA Reviewer
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