

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-019480**Date Inspected:** 26-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

Bike Path at Bay # 3

This QA Inspector performed Dimension Control Inspection on the Traveler Rail against the Inspection Notification 08289 dated January 26, 2011.

The following check was performed on the Traveler Rail 20TR2-032.

Measured the overall length.

Measured the overall sweep.

Measured the thickness at typical section-Fixed End.

Measured the thickness at typical section-Sliding End.

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Measured the Flange width at typical section-Fixed End.

Measured the Flange width at typical section-Sliding End.

Measured the depth at typical section-Fixed End.

Measured the depth at typical section-Sliding End.

Measure the Flange curl at typical section-Fixed End.

Measure the Flange curl at typical section-Sliding End.

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

Note: Please reference the pictures attached for more comprehensive details.

Segment 14AE (Segment Assembly)

This QA Inspector performed Dimension Control Inspection on the Hinge Pipe Stiffeners for the Segment 14AE 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.

Measured the Elevation of Stiffeners at 4042mm.

Measured the Elevation of Stiffeners at 4828mm.

South Side (Bike Path 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.

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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.

Note: Please reference the pictures attached for more comprehensive details.

Segment 14AE (Segment Assembly)

This QA Inspector performed Dimension Control Inspection on the Hinge Pipe Stiffeners for the Segment 14AE 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 (Bike Path 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

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Lead Inspector and Engineer for review and disposition.

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 150000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Math,Manjunath	Quality Assurance Inspector
Reviewed By:	Dsouza,Christopher	QA Reviewer
