

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-024333**Date Inspected:** 10-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:	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

Traveler Rails at Bay # 9

This QA Inspector performed Dimension Control Inspection on the following Traveler Rails against the Inspection Notification # 09418 dated June 10, 2011 at Bay # 9.

Traveler Rail Identified as 3013TR1-001

Traveler Rail Identified as 3015TR1-002

Traveler Rail Identified as 3016TR1-001

Traveler Rail Identified as 3016TR1-002

Traveler Rail Identified as 3016TR4-002

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The following measurements were performed and observed dimensions are in compliance with the contact document.

Traveler Rails Thickness at Typical section.

Traveler Rails Thickness at Sliding section.

Traveler Rails Flange width at Typical section.

Traveler Rails Flange width at Sliding section.

Traveler Rails Depth at Typical section.

Traveler Rails Traveler Rail length.

Traveler Rails Sweep at typical section.

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. The result of the inspection was informed to ZPMC QC Chen Shi Gang, ABF Mr. Liu Chen and Caltrans Lead Inspector Mr. Mark Miller.

Segment 13CE to Segment 14AE (I-Stiffeners Misalignment)

This QA Inspector performed Dimension Control Inspection for measuring I-Stiffeners Misalignments at the Transverse Field Splice for the Segment 13CE to Segment 14AE between Panel Point (PP) 124.5 to PP 125 at the following locations:

Work Point E19 towards Work Point E17, at 7 locations (Edge Panel Bike Path side).

Work Point E17 towards Work Point E13, at 5 locations (Side Panel Bike Path side).

Work Point E13 towards Work Point E3, at 21 locations (Bottom Panel, Bike Path side).

Work Point E3 towards Work Point E4, at 18 locations (Bottom Panel).

Work Point E4 towards Work Point E14, at 6 locations (Bottom Panel, Cross Beam side).

Work Point E14 towards Work Point E16, at 17 locations (Side Panel, Cross Beam side).

Work Point E16 towards Work Point E5, at 5 locations (Edge Panel Cross Beam side).

Work Point E5 towards Work Point E20, at 47 locations (Deck Panel).

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The QA Inspector measured the I-Stiffeners Misalignments at the Transverse Field Splice using Taper Gauge and 1(One) meter Straight Edge.

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.

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
