

**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-016856**Date Inspected:** 22-Sep-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)**Location:** Shanghai, China

<b>CWI Name:</b>	N/A	<b>CWI Present:</b>	Yes	No
<b>Inspected CWI report:</b>	Yes No N/A	<b>Rod Oven in Use:</b>	Yes No N/A	
<b>Electrode to specification:</b>	Yes No N/A	<b>Weld Procedures Followed:</b>	Yes No N/A	
<b>Qualified Welders:</b>	Yes No N/A	<b>Verified Joint Fit-up:</b>	Yes No N/A	
<b>Approved Drawings:</b>	Yes No N/A	<b>Approved WPS:</b>	Yes No N/A	
		<b>Delayed / Cancelled:</b>	Yes No N/A	
<b>Bridge No:</b>	34-0006	<b>Component:</b>	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

Anchorage Bearing Stiffeners at Machine Shop # 1 (for Lift 14- East and West)

This QA Inspector performed Dimension Control Inspection to check and measure the Anchorage Bearing Stiffeners at machine shop # 1. The following dimensional inspection was performed.

The scribe line distances of anchor rod were measured.

The offset were measured from scribe line.

The vertical spacing between the bearing stiffeners at four locations were measured.

The vertical offset between bearing stiffeners at two locations were measured.

The QA Inspector verified the surface condition met the mill to bear condition at MTB1, MTB2 and MTB3

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locations.

The Anchorage Bearing Stiffeners piece marks are identified below.

- Anchorage Bearing Stiffeners identified as SA3420B and top plate piece mark identified as X5026B.
- Anchorage Bearing Stiffeners identified as SA3421D and top plate piece mark identified as X5028D.
- Anchorage Bearing Stiffeners identified as SA3437G and top plate piece mark identified as X5039G.
- Anchorage Bearing Stiffeners identified as SA3423B and top plate piece mark identified as X5030L.
- Anchorage Bearing Stiffeners identified as SA3437D and top plate piece mark identified as X5039D.
- Anchorage Bearing Stiffeners identified as SA3355B and top plate piece mark identified as X4742L.
- Anchorage Bearing Stiffeners identified as SA3354C and top plate piece mark identified as X4742C.
- Anchorage Bearing Stiffeners identified as SA3350D and top plate piece mark identified as X4737P.
- Anchorage Bearing Stiffeners identified as SA3354B and top plate piece mark identified as X4742B.
- Anchorage Bearing Stiffeners identified as SA3356D and top plate piece mark identified as X4744D.
- Anchorage Bearing Stiffeners identified as SA3354A and top plate piece mark identified as X4742A.
- Anchorage Bearing Stiffeners identified as SA3355D and top plate piece mark identified as X4742N.
- Anchorage Bearing Stiffeners identified as SA3353E and top plate piece mark identified as X4740E.
- Anchorage Bearing Stiffeners identified as SA3354H and top plate piece mark identified as X4742H.
- Anchorage Bearing Stiffeners identified as SA3423E and top plate piece mark identified as X5030P.
- Anchorage Bearing Stiffeners identified as SA3425F and top plate piece mark identified as X5025F.
- Anchorage Bearing Stiffeners identified as SA3354G and top plate piece mark identified as X4742G.
- Anchorage Bearing Stiffeners identified as SA3422C and top plate piece mark identified as X5030C.
- Anchorage Bearing Stiffeners identified as SA3437A and top plate piece mark identified as X5039A.
- Anchorage Bearing Stiffeners identified as SA3356C and top plate piece mark identified as X4744C.

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-Anchorage Bearing Stiffeners identified as SA3353D and top plate piece mark identified as X4740D.

-Anchorage Bearing Stiffeners identified as SA3353H and top plate piece mark identified as X4740H.

-Anchorage Bearing Stiffeners identified as SA3427H and top plate piece mark identified as X5037H.

-Anchorage Bearing Stiffeners identified as SA3349A and top plate piece mark identified as X4737A.

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

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<b>Inspected By:</b>	Math,Manjunath	Quality Assurance Inspector
<b>Reviewed By:</b>	Peterson,Art	QA Reviewer

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