

**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-026023**Date Inspected:** 08-Aug-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

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

Lift 13 East

This QA Inspector along with Caltrans QA Inspector Mr. Christopher Ferruci photographed the Partial interior for the paint issues at various locations prior to the shipment of (Voyage 9) en-route to Yerba Buena Island, California, USA. The Segment 13AE, Segment 13BE and Segment 13CE is located on ZPMC Ship Zhenhua # 19 berth at jetty # 5.

The following locations are where the photographs were taken and the photographs are available for review upon request.

Segment 13 East at Panel Points (PP) 117.5, 118.35, 119(-1500) west side, PP 119(+1500) east side, PP 120, PP 120.5, PP 121, PP 121.5, PP 122, PP 122.5, PP 123, PP 123.5, PP 124 and PP 124.5.

Total 152 pictures were taken.

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# WELDING INSPECTION REPORT

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Lift 13 West

This QA Inspector along with Caltrans QA Inspector Mr. Christopher Ferruci photographed the Partial interiors (Cross Beam side) for the paint issues at various locations prior to the shipment of (Voyage 9) en-route to Yerba Buena Island, California, USA. The Segment 13 West is located on ZPMC Ship Zhenhua # 19 berth at jetty # 5.

The following locations are where the photographs were taken and the photographs are available for review upon request.

Segment 13 West at Panel Points (PP) 117.5, 118.35, 119(-1500) west side, PP 119(+1500) east side, PP 120, PP 120.5, PP 121, PP 121.5, PP 122, PP 122.5, PP 123, PP 123.5, PP 124 and PP 124.5.

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.

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

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