

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave. St. 150  
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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-018925**Date Inspected:** 24-Dec-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), Changxing Island **Location:** Shanghai, China

**CWI Name:** Xu Xian Ping  
**Inspected CWI report:** Yes No N/A  
**Electrode to specification:** Yes No N/A  
**Qualified Welders:** Yes No N/A  
**Approved Drawings:** Yes No N/A

**CWI Present:** Yes No  
**Rod Oven in Use:** Yes No N/A  
**Weld Procedures Followed:** Yes No N/A  
**Verified Joint Fit-up:** Yes No N/A  
**Approved WPS:** Yes No N/A  
**Delayed / Cancelled:** Yes No N/A

**Bridge No:** 34-0006**Component:** Orthotropic Box Girder (OBG)**Summary of Items Observed:**

On this date Caltrans Office of Structural Material (OSM) Quality Assurance (QA) Inspector, D.Sukanthan was present during the time noted above for observations relative to the work being performed.

**OBG # CROSSBEAM CB17**

This QA inspector received ZPMC Non Destructive Testing (NDT) notification 07847 to perform Ultrasonic Testing (UT) of approximately 10% of the area previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated a Ultrasonic Test report for this date. The member is identified as Crossbeam CB17. The weld tested is identified as follows:

(FB3057-053-050,009)  
(FB3057-054-050,009)  
(FB3057-055-050,009)  
(FB3057-056-050,009)  
(FB3058-053-030,009)  
(FB3058-054-030,009)  
(FB3058-055-030,009)  
(FB3058-056-030,009)

**OBG # SEGMENT 11BW 11EW**

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## WELDING INSPECTION REPORT

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This QA inspector was instructed by Caltrans (CT) QA lead inspector to review, document of radiographic film submitted by American Bridge Fluor (ABF) and ZPMC. Film reviewed included Radiographic Testing (RT) performed by ZPMC of welds on the Self Anchored Suspension (SAS) Orthotropic Box Girder (OBG) 11BW to 11EW transverse splices of the deck, bottom and edge panels.

OBG # SEGMENT 13BW 13CW

This QA inspector was instructed by Caltrans (CT) QA lead inspector to review, document of radiographic film submitted by American Bridge Fluor (ABF) and ZPMC. Film reviewed included Radiographic Testing (RT) performed by ZPMC of welds on the Self Anchored Suspension (SAS) Orthotropic Box Girder (OBG) 13BW to 13CW transverse splices of the bottom panels.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

**Summary of Conversations:**

As mention above

**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 150-00422372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Sukanthan,Dhanasingh	Quality Assurance Inspector
<b>Reviewed By:</b>	Hall,Steven	QA Reviewer

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