

**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:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-015859**Date Inspected:** 24-Jul-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

<b>CWI Name:</b>	NA	<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	

**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector Larry Viars was present during the times noted above for observations relative to the work being performed.

**West of Bay 14-**

This QA Inspector performed random visual inspection of OBG segment 11BE interior surface. Several areas of base material and welds were covered by debris and required cleaning prior to visual inspection. Areas requiring repair were marked and shown to ZPMC and ABF QC for repair.

**Bay 14-**

Caltrans QA observed ZPMC personnel performing flame cutting on 100mm thick test piece to simulate the anchor rod holes for OBG segment 13AW and 13AE shear key plate. The contract documents require the anchor bolt holes will be drilled. Caltrans QA observed a gouge area on the 100 mm diameter hole at the start and stop location. Please see the attached photo below for additional information.

**Blast Bay 1-**

Caltrans Quality Assurance (QA) Inspectors performed random visual inspection of OBG segment 10BE lower section base metal and weld surfaces from panel point 90 to 91. Visual inspection was limited due to blasting grit that was not removed. Areas requiring light grinding were marked for ZPMC personnel. Items which require

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# WELDING INSPECTION REPORT

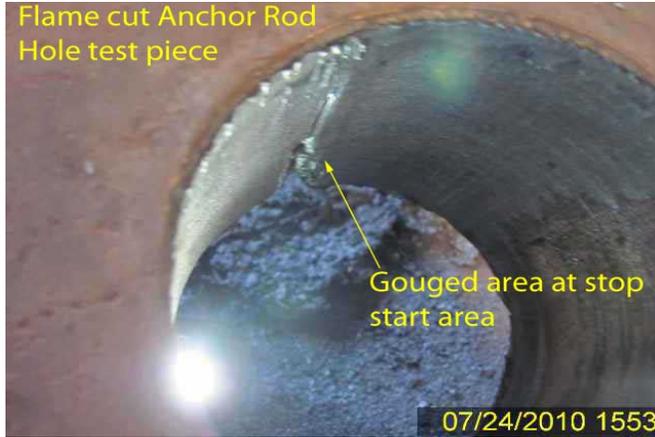
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repair were recorded for future repair.

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



## Summary of Conversations:

Only general conversation occurred this day.

## 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 0042 2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Viars,Larry	Quality Assurance Inspector
<b>Reviewed By:</b>	McClendon,Timothy	QA Reviewer

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