

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
690 Walnut Ave. St. 150  
Vallejo, CA 94592-1133  
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(707) 649-5493

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-015847**Date Inspected:** 20-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>                   | Mr. Lu li qing | <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, Nagalingam Pandaram Pillai was present during the times noted above for observations relative to the work being performed.

In process Inspection

Bay #16

This QA Inspector observed the following work in progress:

SAW in the 1G position for the OBG Segment 13AW longitudinal diaphragm weld No: LD3031-001-003. The welder is identified as #045265. ZPMC QC is identified as Mr. Tao wei. The welding variables recorded by QC appear to comply with WPS-B-T-2221-B-L2C-S-2. Please see the attached picture.

Magnetic Particle Testing:-

**OUTSIDE YARD**

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% of the area previously tested and accepted by ZPMC Quality Control Personnel. This QA Inspector generated an MT report for this date. The member is identified as OBG Segment 11BE. The weld designation reviewed is as follows:

DP320-001-036 TO 061

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# WELDING INSPECTION REPORT

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DP347-001-047 TO 080  
DP374-001-058 TO 099  
SSD18-PP100-001,008  
SSD18A-PP100-004,005,127,128

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



### Summary of Conversations:

No Relevant Conversation.

### 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> | Pillai,Pandaram   | Quality Assurance Inspector |
| <b>Reviewed By:</b>  | McClendon,Timothy | QA Reviewer                 |

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