

**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  
(707) 649-5453  
(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-014442**Date Inspected:** 15-May-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 Blast 1-

This QA Inspector performed Magnetic Particle Testing (MT) verification of welds previously tested and accepted by ZPMC for OBG Segment 10BE welds. See MT report TL-6028 generated this date for additional information.

The following welds were tested:

DP398-001-101, 103, 108, 111, 114, 116, 119, 122, 124, 127, 130, 132, 135, 138, 141  
 DP425-001-101, 103, 108, 111, 114, 116, 119, 122, 124, 127, 130, 132, 135, 138, 141  
 DP479-001-101, 103, 108, 111, 114, 116, 119, 122, 124, 127, 130, 132, 135, 138, 141  
 DP344-002-082, 084, 087, 089, 092, 095, 100, 103, 105, 108, 111, 114  
 DP506-001-063, 065, 068, 070, 073, 076, 078, 081, 084, 087  
 SSD19-PP91-004  
 CA075-013, 014, 125, 126, 097, 098, 111, 112  
 CSD2-PP91.5-151, 152, 149, 150, 147, 148, 155, 156, 131, 132, 139, 140  
 CSD6-PP91-093, 094, 101~106, 113, 114, 083, 084, 067, 068, 073, 074  
 CSD2-PP91.5-065~068, 047, 048, 057, 058, 063, 064, 055, 056, 069, 070  
 CSD5-PP91-021~024, 011, 012, 029, 030, 031, 032, 039, 040, 041, 042

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# WELDING INSPECTION REPORT

( Continued Page 2 of 2 )

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During MT inspection of deck panel diaphragm to FL1 and FL2-1 Floor beam flange weld SSD19-PP91-005 (west side of panel point 91) Caltrans QA discovered MT indications on areas where temporary attachments had been removed. These areas were shown to ZPMC QC. ZPMC stated that Critical Weld Repair report will be submitted for engineering approval. See attached photos below of base metal indications.

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



## Summary of Conversations:

As identified within the contents of this report.

## 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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**Inspected By:** Viars,Larry

Quality Assurance Inspector

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**Reviewed By:** McClendon,Timothy

QA Reviewer