DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
Office of Structural Materials
Quality Assurance and Source Inspection

Bay Area Branch
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Contract #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 99.28

WELDING INSPECTION REPORT

Resident Engineer: Pursell, Gary
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: WIR-013362
Date Inspected: 24-Jan-2010

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC) Chanxing Island

OSM Arrival Time: 645
OSM Departure Time: 1845
Location: Shanghai, China

CWI Name:	N/A		**CWI Present:**	☐ Yes ☑ No	
Inspected CWI report:	☐ Yes	☑ No ☐ N/A	**Rod Oven in Use:**	☐ Yes ☐ No	☑ N/A
Electrode to specification:	☐ Yes	☐ No ☑ N/A	**Weld Procedures Followed:**	☐ Yes ☐ No	☑ N/A
Qualified Welders:	☐ Yes	☐ No ☑ N/A	**Verified Joint Fit-up:**	☐ Yes ☐ No	☑ N/A
Approved Drawings:	☐ Yes	☐ No ☑ N/A	**Approved WPS:**	☐ Yes ☐ No	☑ N/A
			Delayed / Cancelled:	☐ Yes ☑ No	☐ N/A

Bridge No: 34-0006
Component: OBG Segment 7EW

Summary of Items Observed:

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

Magnetic Particle Testing (MT) - Document No's: 005120

This QA inspector performed MT of approximately 100% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The members are identified as OBG Components. The weld designations reviewed are as follows:

1. DP091-039, 044, 052, 060, 036, 041, 046, 049, 054, 057, 037, 042, 047, 050, 055, 058
2. DP118-001-047, 052, 057, 060, 065, 068, 073, 076, 048, 053, 058, 061, 069, 074, 077, 050, 55, 063, 071, 079.
3. DP145-058, 063, 068, 071, 076, 079, 084, 087, 092, 098, 059, 064, 069, 072, 077, 080, 085, 088, 093, 096, 061, 066, 074, 082, 090, 098.
4. DP172-058, 063, 068, 071, 076, 079, 084, 087, 092, 098, 059, 064, 069, 072, 077, 080, 085, 088, 093, 096, 061, 066, 074, 082, 090, 098.
5. DP199-058, 063, 068, 071, 076, 079, 084, 087, 092, 098, 059, 064, 069, 072, 077, 080, 085, 088, 093, 096, 061, 066, 074, 082, 090, 098.
6. DP118-002-047, 052, 057, 060, 065, 068, 073, 076, 048, 053, 058, 061, 069, 074, 077, 050, 55, 063, 071, 079.
7. DP280-039, 044, 052, 060, 036, 041, 046, 049, 054, 057, 037, 042, 047, 050, 055, 058
8. DP243-058, 063, 068, 071, 076, 079, 084, 087, 092, 098, 059, 064, 069, 072, 077, 080, 085, 088, 093, 096, 061, 066, 074, 082, 090, 098.

WELDING INSPECTION REPORT

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Description of Incident: During Quality Assurance Magnetic Particle Testing (MT) review of welds located on Segment 7EW, this Quality Assurance Inspector (QA) discovered 15mm long Transverse Indication in Deck Panel U-Rib to Deck Panel Diaphragm. The weld is identified as DP118-002-038 and this weld is a Complete Joint Penetration (CJP) weld joining the Deck Panel U-Rib to Deck Panel Diaphragm. This weld is designated as Non Seismic Performance Critical Member (Non SPCM). The Panel Point number is identified as PP59 on OBG Segment 7EW. The indication is located inside an area that has been previously tested by ZPMC Quality Control (QC) personnel. For further information, please see the attached pictures.

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.

Summary of Conversations:

Only general conversation was held between QA and QC concerning this project.

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

Inspected By:	Kumar,Vibin	Quality Assurance Inspector
Reviewed By:	McClendon,Timothy	QA Reviewer