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 #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 69.28

WELDING INSPECTION REPORT

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

Report No: WIR-010363
Date Inspected: 20-Nov-2009

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

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

CWI Name: Zhu Zhong Hai

Inspected CWI report:	☐ Yes	☑ No	☐ N/A	**CWI Present:**	☑ Yes	☐ No	
Electrode to specification:	☐ Yes	☐ No	☑ N/A	**Rod Oven in Use:**	☐ Yes	☐ No	☑ N/A
Qualified Welders:	☐ Yes	☐ No	☑ N/A	**Weld Procedures Followed:**	☐ Yes	☐ No	☑ N/A
Approved Drawings:	☑ 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: OBG Components

Summary of Items Observed:

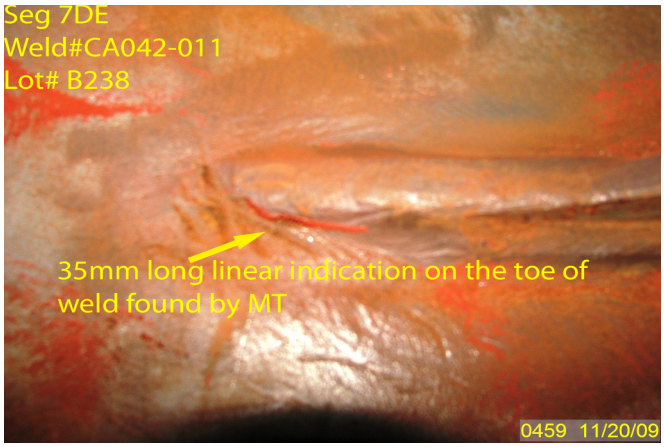
On this date Caltrans OSM Quality Assurance (QA) Inspector, Hiranch Patel, was present during the times noted above for observations relative to the work being performed.

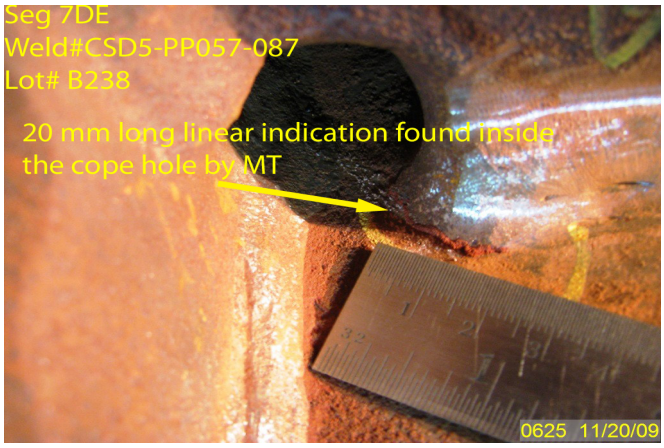
During a random 10% Magnetic Particle (MT) verification at segment 7DE, Caltrans Quality Assurance (QA) Inspector discovered a total three (3) Longitudinal linear indications on the segment 7DE corner assembly welds. The weld designations are as CA042-011, CSD5-PP57-087, and CSD4-PP056-085. The indications were measured at 35mm to 10mm in length. This weld was previously tested and accepted by ZPMC QC MT. For further information, please see the attached pictures below. Please see incident report on this date.

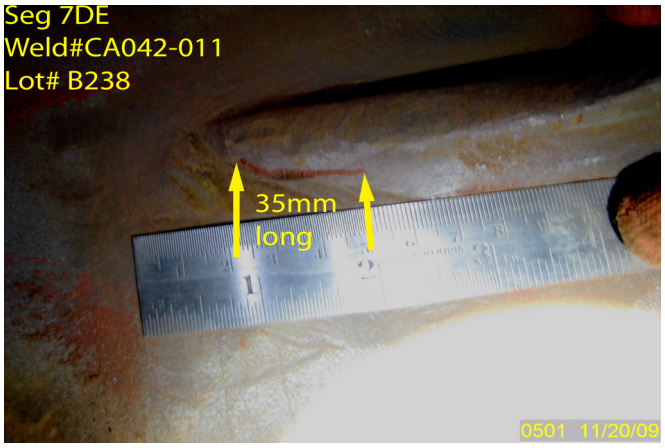
Segment 7DE
This QA inspector performed MT of approximately 15% of the area previously tested and accepted by ZPMC Quality Control personnel. This QA Inspector generated an MT report for this date. The member is identified as OBG Components. The weld designations reviewed are as follows:
-(CA042-014, 004)
-(CSD2-PP56.5-073, 074, 071, 072, 069, 070, 067, 068)
-(CSD2-PP56.5-063, 064, 061, 062, 059, 060, 057, 058)
-(CSD2-PP56.5-047, 048, 055, 056)
-(CSD5-PP57-110, 111, 118, 119, 108, 109, 106, 107)
-(CSD5-PP57-093, 094, 091, 092, 089, 090, 088, 085)
-(CSD5-PP57-083, 084, 073, 074, 067, 068, 081, 082)
-(CSD5-PP56-110, 108, 118, 106, 093, 091, 089, 087)

-(CSD5-PP56-083, 073, 134, 081, 071)
-(CSD5-PP58-111, 119, 109, 107, 094, 092, 090)
-(CSD5-PP58-088, 086, 074, 084, 068)
-(CA042-011)- Rejectable Indication found.
-(CSD5-PP57-087)- Rejectable Indication found.
-(CSD4-PP056-085)- Rejectable Indication found.

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







Summary of Conversations:
No relevant conversations.

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.

Inspected By: Patel,Hiranch Quality Assurance Inspector

WELDING INSPECTION REPORT

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Reviewed By: Patterson,Rodney QA Reviewer