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 #: 69.28

WELDING INSPECTION REPORT

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

Report No: WIR-013458
Date Inspected: 21-Feb-2010

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

OSM Arrival Time: 7000
OSM Departure Time: 1900
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 Components

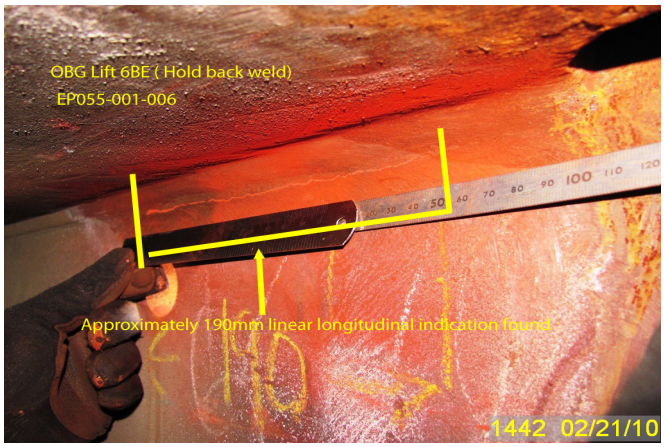
Summary of Items Observed:
On this date Caltrans OSM Quality Assurance (QA) Inspector, S.Chandrakumar was present during the times noted above for observations relative to the work being performed.

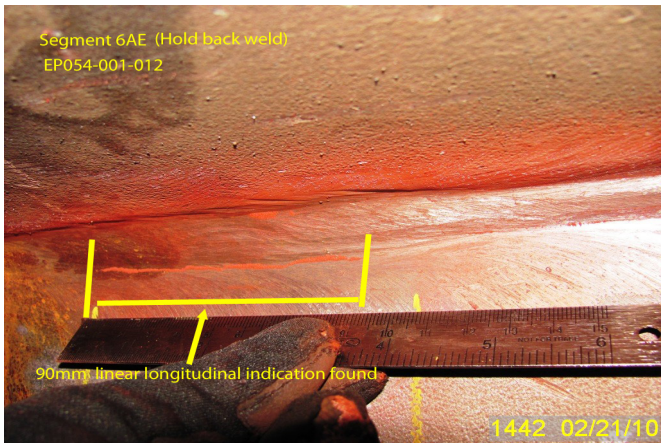
TRAIL ASSEMBLY YEARD
This QA inspector performed MT of the critical weld repair area previously tested and accepted by ZPMC Quality Control personnel. This QA inspector generated an MT report for this date. The members are identified as Segment 6AE+6BE and 6AW+6BW. NWIT for this inspection is 005218. The weld designations reviewed are as follows:

6AE+6BE Hold back welds
BP113-001-044,045,046,047,048,049.
BP114-001-031,032,033,034,035,036.
SP334-001-056,058,060,062.
SP335-001-013,015,017,019.
SP307-001-069,070,071,072.
SP427-001-011,012,013,014,015,016.
SP426-001-027,028,029,030,031.
EP054-001-013.
EP054-001-012. 90mm linear longitudinal indication found.
EP055-001-007.
EP055-001-006. 190mm linear longitudinal indication found.

DP635-001-015,016.
DP636-001-009,010.
6AW+6BW Hold back welds
SP121-001-062,063,064,065,066,067.
SP122-001-031,032,033,034,035,036.
SP148-001-056,057,058,059.
SP149-001-013,014,015,016.
During the Quality Assurance Magnetic particle Testing (MT) review of welds located on OBG Segment 6AE+6BE, this Quality Assurance Inspector (QA) discovered the following issue:
-Two (2) longitudinal linear indications that measured approximately 90mm and 190mm in length.
Further more information please see the Incident report.
04-0120F4_TL-15_B247_02-21-10_Seg6AE+6BE__MT_Linear_Indication [1][1]

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-15--0042-2372, who represents the Office of Structural Materials for your project.

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