

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: 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-012190**Date Inspected:** 24-Jan-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** As identified below**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**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.

North of Blast Bay 1-

This QA Inspector performed Magnetic Particle Testing (MT) verification of welds previously tested and accepted by ZPMC for OBG Segment 7EW. See MT report TL-6028 generated this date for additional information.

SSD13-PP60-005

DP091-001-040, 038, 036, 041, 043, 045, 048, 046, 049, 051, 053, 056, 054, 057, 059 and 061.

DP118-001-051, 049, 047, 052, 054, 056, 059, 057, 060, 062, 064, 067, 065, 068, 070, 072, 076, 078 and 080.

DP118-002-051, 049, 047, 052, 054, 056, 059, 057, 060, 062, 064, 067, 065, 068, 070, 072, 076, 078 and 080.

DP253-001-051, 049, 047, 052, 054, 056, 059, 057, 060, 062, 064, 067, 065, 068, 070, 072, 076, 078 and 080.

DP145-001-062, 060, 058, 063, 065, 067, 070, 068, 071, 073, 075, 078, 076, 079, 081, 083, 086, 084, 087, 089, 091, 094, 092, 095, 097 and 099.

DP172-001-062, 060, 058, 063, 065, 067, 070, 068, 071, 073, 075, 078, 076, 079, 081, 083, 086, 084, 087, 089, 091, 094, 092, 095, 097 and 099.

DP199-001-062, 060, 058, 063, 065, 067, 070, 068, 071, 073, 075, 078, 076, 079, 081, 083, 086, 084, 087, 089, 091, 094, 092, 095, 097 and 099.

DP280-001-040, 038, 036, 041, 043, 045, 048, 046, 049, 051, 053, 056, 054, 057, 059 and 060.

WELDING INSPECTION REPORT

(Continued Page 2 of 3)

The following welds were rejected by Caltrans QA:
DP280-001-056 (9mm Transverse Linear Indication)
DP118-001-054 (12mm Transverse Linear Indication)
DP118-002-070 (12mm Transverse Linear Indication)

An Incident Report was issued for the above mentioned MT indications. For additional information please see the attached photographs below.

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.

WELDING INSPECTION REPORT

(Continued Page 3 of 3)

Inspected By:	Viars,Larry	Quality Assurance Inspector
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Reviewed By:	McClendon,Timothy	QA Reviewer
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