

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:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-019001**Date Inspected:** 26-Dec-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 1900**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 700**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **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 | |

Summary of Items Observed:

OBG Bay 14

Segment 13E

ZPMC presented QA personnel with "Notification of Witness Inspection" document number 07941 that stated ZPMC was requesting Caltrans to perform visual and magnetic particle (MT) inspections of OBG segment 13E longitudinal diaphragm to deck plates DP3076-001, DP3077-001 and DP3078-001 welds in Bay 14.

This QA Inspector performed random visual and magnetic particle (MT) inspections of the following welds:

DP3076-001-287, 289, 294, 296, 298, 299, 304, 306, 307, 309, 314, 316, 317, 319, 324, 326, 327, 329~331, 336~341, 346~348, 349, 351, 350, 356, 357~360 and 366~370.

DP3077-001-333, 334, 342, 344, 346, 352, 353, 355, 356, 362, 363, 365, 366, 372, 373, 375, 376, 382, 383, 385~389, 394, 396~399, 404~406, 408, 409, 414~416, 418, 419, 424~429 and 434~436.

DP3078-001-287~289, 294, 295, 296, 297, 299, 304~309, 314~319, 324~328, 329~331, 336~341, 346, 347, 349, 350, 356~361 and 366~370.

Other Caltrans QA Inspectors performed MT inspections of similar welds on these deck plates. Items observed by this QA Inspector appeared to comply with AWS D1.5 MT requirements. For additional information on these

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inspections see this QA Inspector's TL6028 Magnetic Particle Test Report.



Summary of Conversations:

Not applicable

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 James Devey +8615000026784, who represents the Office of Structural Materials for your project.

Inspected By: Dawson,Paul

Quality Assurance Inspector

Reviewed By: Carreon,Albert

QA Reviewer