

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-007510**Date Inspected:** 14-Jun-2009**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:** Chen Zhi ming**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:** Shi Lin**Component:** OBG Components**Summary of Items Observed:**

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

TRIAL ASSEMBLY YARD

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 a Segment 2AW+2BW. The weld designations reviewed as follows:

BP195-001-25,29,30.

BP381-001-55,59,60.

SP180A-001-31.

SP196B-001-43.

SP178A-001-22,24,26.

SP191B-001-50,52,54.

SP647B-001-19,18.

SP646-001-60,61.

SEG007A-001-27.

EP103A-001-05,07.

EP102A-001-21,23.

OBW2-005.

DP727A-001-08,10.

DP726A-001-20,22.

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BP193-001-29.
BP199-001-59.
SP186-001-61.
SP174-001-30.
SP185-001-56,58.
SP173-001-28,30.
CA99-001-05.
CA101-001-01.
EP98A-001-12,14.
EP99A-001-05,07.
OBW2-01.
OBW4-14,15.
SP643-001-14.
SP642A-001-024.
DP723A-001-20.
DP724A-001-07,09

During random verification Magnetic Particle Testing of the internal components of OBG Segment 2AW+2BW, Caltrans Quality Assurance (QA) Inspector discovered a total of (2) two, linear indications from 10mm to 30mm in length in the weld metal location DP723A-001-018, These areas have been previously tested and accepted by ZPMC Quality Control MT Technicians. For Further information please see the Incident report 040120F4_TL-15_B255_06-14-9_2AW+2BW_MT_Linear_Indication

Unless otherwise noted, all 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-150-0042-2372, who represents the Office of Structural Materials for your project.

Inspected By:	Kumar,Chadra	Quality Assurance Inspector
Reviewed By:	Clifford,William	QA Reviewer
