

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 #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:** Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-025234**Date Inspected:** 16-Jun-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC) Chanxing Island**Location:** Shanghai, China**CWI Name:** Li Yang**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 13BE, CB18**Summary of Items Observed:**

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

This Quality Assurance (QA) Inspector has performed documentation review of the Green Tag system utilized by American Bridge/Flour (ABF) and Caltrans METS. This QA Inspector has Identified Complete Joint penetration (CJP), Partial Joint Penetration (PJP), and Fillet Welds in Lift 13BE. He has also verified the Non-Destructive Testing requirements for each weldment that includes the NDT process (UT, MT, and RT) and the percentage required by the contractor to perform. These items are within the Contract special provision, CCO 22 and within compliant of CCO 77. This information has been documented and compiled in a Green Tagging spread sheet that is located on the Caltrans Team China Z; drive.

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The following Magnetic Particle Testing (MT) was performed by AB/F and witnessed by this QA inspector per ZPMC Non-Destructive Testing (NDT) notification document 09499:

DP3111A-005~008

DP3112A-013~018, 020~025

DP3113A-009~016

DP3114A-013~018, 020~025

DP3115A-005~008

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CB3002A-001, 007, 008, 021, 033, 034, 037, 038
FB4105A-009~016
FB4106A-007~012
FB4107A-001~010, 049, 050
FB4102A-009~016
FB4103A-007~012
FB4104A-001~008, 029, 030, 066, 067
FB4099A-009~016
FB4100A-007~012
FB4101A-001~010, 049, 050
SP3084A-001~008
SP3085A-001~012
SP3086A-001~006

This QA inspector performed Magnetic Particle Testing (MT) of approximately 15% of an area that has been previously tested and accepted by ZPMC and AB/F personnel. This QA inspector generated an MT report for this date. The segment is identified as CB18. The weld designations reviewed are as follows.

DP3111A-005~008
DP3112A-013, 014
DP3113A-013~016
DP3114A-013, 014
FB4105A-009~015
FB4102A-011~016
FB4103A-007~010
FB4099A-009~012, 015, 016
FB4100A-009~012
SP3084A-001~008
SP3085A-001~006

Unless otherwise noted, all work 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 James Devey 15000026784, who represents the Office of Structural Materials for your project.

Inspected By: Combs,Dennis

Quality Assurance Inspector

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Reviewed By: Riley, Ken

QA Reviewer