

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 #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000048**Date Inspected:** 23-Apr-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 800**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Xu Jun**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** NA**Bridge No:** 34-0006**Component:** NA**Bid Item:** 52, 55**Lot No:** NA**Summary of Items Observed:**

Caltrans Quality Assurance (QA) Inspector, Mike Hasler was present to observe quality control functions related to welding, testing and fabrication procedures at the Zhenhua Port Machinery Company (ZPMC) facility on Changxing Island for the San Francisco Oakland Bay Self Anchored Suspension Bridge.

At 1330 hour, Caltrans QA Inspector observed ZPMC performing fit up and welding of American Bridge/Fluor (ABF) mockups, designated as elevation 77.000 (diaphragm 3B), 89.000 (diaphragm 2C) and 114.000 (tower splice).

Caltrans QA observed that one (1) worker performing post welding/grinding of weld pickups at stiffener plates, to the D-skin subassembly, for mockup, designated elevation 89.000 assembly. These weld pickups were identified and marked up by ABF for rework.

Caltrans QA observed weld removal at subassembly, for ABF mockup, designated elevation 77.000, stiffener plates to E-skin welds. The welds were identified by ABF for weld removal and identified on the skin plate with NCR #07-04-014 and, on hold.

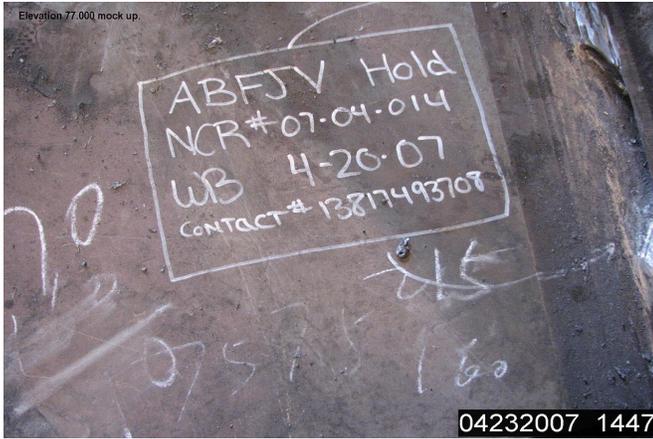
Caltrans QA observed eight (8) fitter/welders performing various fitup and welding activities at ABF mockup subassembly and identified as elevation 114.000 mockup. Subassemblies, where work was being performed is identified as skin plate-A, B, C, D and E connection plates.

Caltrans QA observed rib fitup and welding. ZPMC appears to have twenty (20) workers working rib assembly. The workers were observed welding and modifying equipment and running practice welds, to simulate actual fabrication welding of ABF mockup.

Caltrans QA observed ZPMC quality control inspectors and ABF quality control, Inspectech and Bureau Veritas inspectors performing observations and inspections.

SOURCE INSPECTION REPORT

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Summary of Conversations:

See Task Leader journal for this week.

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 Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

Inspected By: Hasler, Mike

Quality Assurance Inspector

Reviewed By: McClary, David

QA Reviewer
