

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 #: 19.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-012141**Date Inspected:** 17-Feb-2010**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 2330**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site

CWI Name: Mike Johnson
Inspected CWI report: Yes No N/A
Electrode to specification: Yes No N/A
Qualified Welders: Yes No N/A
Approved Drawings: Yes No N/A

CWI Present: Yes No
Rod Oven in Use: Yes No N/A
Weld Procedures Followed: Yes No N/A
Verified Joint Fit-up: Yes No N/A
Approved WPS: Yes No N/A
Delayed / Cancelled: Yes No N/A
Component: N/A

Bridge No: 34-0006**Summary of Items Observed:**

At the start of the shift the Quality Assurance Inspector (QAI) traveled to the project site and observed the following operation performed at the E1/E2 field splice:

- A). Installation of the temporary ASTM A325 High Strength Bolts (HSB) and pins.
- B). Positioning of the Orthotropic Box Girder (OBG).
- C). Relocating bracing on the scaffolding platform.

The QAI observed and confirmed the installation of the temporary bolts as per the American Bridge/Fluor reference drawing identified as DE234AB Rev. 1. The bolting installation process appeared to be complete at the U-Ribs and six (6) stiffener plates located at the deck plate and side plates and appeared to comply with the contract documents. The QAI also observed the root openings at the deck and bottom plate field splices to measure at approximately 16 mm. The final assembly fit-up of the splices appeared not to be completed at this time.

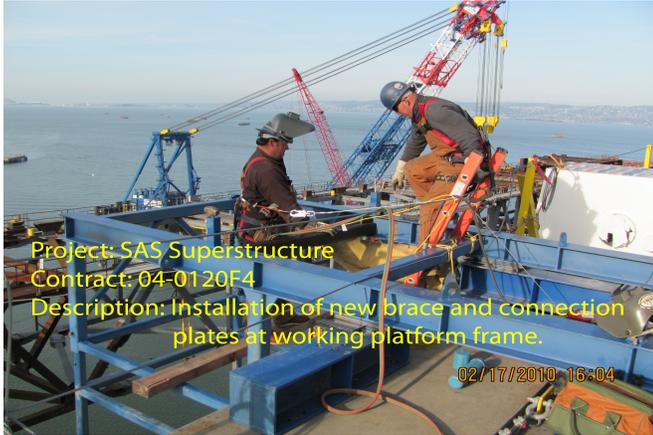
Later in the shift the QAI also observed the positioning of the OBG identified as E3 to the OBG identified as E2, which has been installed and appeared to be positioned in its proper location.

The QAI also observed AB/F personnel relocating the tube steel bracing and connection plates at the working platform frame located on the exterior face of the north and south sides of the OBG E1 to E2 field splice. It appeared this working platform frame will be utilized during the assembly fit-up and the Complete Joint Penetration (CJP) groove welding of the edge and side plate field splice connections.

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See the digital photographs, below, in regards to the work performed and observed on this date.



Summary of Conversations:

There were no pertinent conversations were discussed in regards to the project.

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 Mohammad Fatemi (916) 813-3677, who represents the Office of Structural Materials for your project.

Inspected By: Reyes,Danny

Quality Assurance Inspector

Reviewed By: Levell,Bill

QA Reviewer