

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 #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-029312**Date Inspected:** 19-Mar-2013**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** As noted below.**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:** Tower**Summary of Items Observed:**

Quality Assurance Inspector (QA) William Clifford was at the American Bridge/Fluor (ABF) job site at Yerba Buena Island in California between the times noted above in order to monitor Quality Control functions and the in process work being performed by ABF personnel. The following items were observed:

This QA performed observation of excavation of Electroslag Weld (ESW) mock-up #19. Excavation was performed at location (Y= 760mm~790mm). Excavation was performed perpendicular to the weld face for approximately 300mm in length. This QA was instructed to observe this excavation and report any indications discovered visually or using the Magnetic Particle Testing (MT) method. This QA recorded the temperature of the excavation and adjacent base material prior to performing MT.

Recorded observations at depth:

-39mm

No indications observed.

Temp: 70 degrees

-45mm

No indications observed.

Temp: 72-76 degrees

-50mm

No indications observed.

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Temp: 74-78 degrees

-55mm

No indications observed.

Temp: 77-82 degrees

Excavation has been completed.

Excavation was performed by ABF personnel using a mechanical grinder removing approximately 5mm at a time. This QA observed Quality Control Inspector Bernard Docena performing visual inspection and MT of this excavation between passes. This QA performed visual inspection and verification MT of this excavation between passes.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

Conversation was relevant to testing performed during this shift.

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 Gary Thomas (916) 764-6027, who represents the Office of Structural Materials for your project.

Inspected By:	Clifford,William	Quality Assurance Inspector
Reviewed By:	Mertz,Robert	QA Reviewer
