

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-028804
Date Inspected: 27-Nov-2012

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: American Bridge/Fluor Enterprises, a JV

OSM Arrival Time: 700
OSM Departure Time: 1530
Location: Job Site

CWI Name: As noted below.
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: Tower

Bridge No: 34-0006**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) designated as ESW V. Excavation was performed at location (Y= 912mm~1275mm). Excavation length was increased by approximately 75mm to investigate possible planar indication at (Y= 1210mm). Depth measurements represent excavation of extended region.

Recorded observations at depth:

-10mm

No indications observed.

-20mm

No indications observed.

-24mm

No indications observed.

-26mm

No indications observed.

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-28mm

No indications observed.

-29mm

Y= 1235 (longitudinal indication)

Indication measured approximately 4mm in length.

-30mm

Y= 1235 (longitudinal indication)

-31mm

Y= 1235 (longitudinal indication)

-32mm

No indications observed.

-33mm

Indication at Y=1210, depth has been met.

-34mm

Indication at Y= 1210 has been removed.

-35mm

No indications observed.

-36mm

No indications observed.

-37mm

No indications observed.

-38mm

No indications observed.

-39mm

No indications observed.

-40mm

No indications observed.

-41mm

No indications observed.

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-42

Y= 1255 Transverse indication observed on slope at approximately 37mm in depth.

-43

Y= 1255 Transverse indication observed on slope at approximately 38mm in depth.

Excavation has been halted at end of shift.

Excavation was performed by ABF personnel Reginald Humphrey using a mechanical grinder removing approximately 1mm at a time. This QA observed Quality Control Inspector Jesse Cayabyab performing visual inspection and Magnetic Particle Testing (MT) of this excavation between passes. This QA performed visual inspection and intermittent 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 excavation 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:	Reyes, Danny	QA Reviewer
