

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-029489**Date Inspected:** 02-May-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:** See 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 ESW Welds**Summary of Items Observed:**

Quality Assurance Inspector (QA) Fritz Belford 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:

Non-Destructive Testing (NDT)

This QA performed NDT on the following:

ESW N, N041:

- Face A, Repair excavation at Y 5190 (RWR 201304-013).
 - 240 x 55 x 40 Deep. (MPT, No rejectable indications noted.)

ESW Q, E043:

- Face B, Repair excavation at Y 6285 (RWR 201304-012).
 - 90 x 35 x 18 Deep. (MPT, No rejectable indications noted.)

ESW P, N043 (Pitch Catch on RT reject) 80mm Thick, 70 Degree Angle (Details below):

Face A,

Y 1450, X: -10, Sound Path: 127, Depth (Fc A): 43, Length: 10,

- PEUT: Ind.Lvl (A): 72, Ref.Lvl(B): 50, Att.Factor(C): 8, Ind.Rating (D): 14, Surface Distance: 119,
- PCUT: Ind.Lvl (A): 83, Ref.Lvl(B): 50, Att.Factor(C): 15, Ind.Rating (D): 18, Transducer Spacing: 108,

Face B,

Y 1450, X: -10, Sound Path: 102, Depth (Fc B): 37, Length: 15,

- PEUT: Ind.Lvl (A): 65, Ref.Lvl(B): 50, Att.Factor(C): 6, Ind.Rating (D): 9, Surface Distance: 96,
- PCUT: Ind.Lvl (A): 82, Ref.Lvl(B): 50, Att.Factor(C): 16, Ind.Rating (D): 15, Transducer Spacing: 255,

WELDING INSPECTION REPORT

(Continued Page 2 of 2)

See TL-6028 MPT report details.

The completed and accepted work observed at this location appeared to be in compliance with the contract specifications.

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

Summary of Conversations:

Conversations this day as required for scope of work.

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.

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| Inspected By: | Belford,Fritz | Quality Assurance Inspector |
| Reviewed By: | Mertz,Robert | QA Reviewer |
