

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 #: 75.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-001915**Date Inspected:** 19-Mar-2010**Project Name:** SAS Superstructure**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**Contractor:** Shanghai Pujiang Cable Co. (SPCC)**OSM Arrival Time:** 800**OSM Departure Time:** 1800**Location:** Bao Steel, Shanghai**Quality Control Contact:** Mr. Pei**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:** witnessed tensile tests for 5.4mm diameter**Bridge No:** 34-0006**Component:** 5.4mm diameter galvanized wire**Bid Item:** 66A**Lot No:** B240**Summary of Items Observed:**

Caltrans QA Inspector Mr. Wai Pau travel to Bao Steel witnessed tensile tests for 5.4mm diameter galvanized wire from coil # h31003-508-1/2 thru h31003-542-1/2. The coil heat number is #566960. All the tensile tests have been recorded on electronic spreadsheet and accepted by Bao Steel technician. Caltrans QAI verified that accuracy of tensile strength test readings that were indicated on digital indicator at the time of rupture for each wire. Based on Caltrans QA observation, the tensile tests appeared to be in general compliance with requirement of Caltrans Special Provision and contract documents.

Caltrans QA Inspector Mr. Wai Pau observed two Bao Steel workers in process automatic wire drawing operation. The wire rod size is drawing from 13.0/13.5~11.64~10.29~9.14~8.17~7.35~6.67~6.11~5.66~5.4mm with 9 reels and drawing speed is 4m/s. During wire drawing, a welding operator performed a friction welding on the both end of wire rod and burnishes the joints. The post heat treating is follow after welding. All the weld joint areas will be remove include the HAZ zone prior the wire is galvanizing. Based on Caltrans QAI observations, no discrepancies were noted.

SOURCE INSPECTION REPORT

(Continued Page 2 of 2)



The wire post heated after welding



The tensile test for the wire



The welding connecting area has been cut after finish drawing wire



The welding connection has lighth color after cooling down

Summary of Conversations:

As notes within report above.

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 Michael Ng 15921845703 , who represents the Office of Structural Materials for your project.

Inspected By: Pau,Wai

Quality Assurance Inspector

Reviewed By: Clifford,William

QA Reviewer
