

**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 #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-000129**Date Inspected:** 21-Sep-2007**Project Name:** SAS Superstructure**OSM Arrival Time:** 830**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** N/A**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:** N/A**Bridge No:** 34-0006**Component:** Test Samples**Bid Item:** 52 (SF)**Lot No:** B59-133-07/B59-134-07**Summary of Items Observed:**

The Caltrans Quality Assurance Inspector Roscoe Dixon arrived at the Chemical Analysis Testing Center of the Shanghai Institute of Iron and Steel Technology (SIIST) at Dingxi lu # 1118 to review the chemical analysis results for the 12 check sample specimens which had been sent over from the (SIIST) mechanical testing lab at 99 Handan Road. The samples represent 16mm thick A709M-345F2-X and 18mm thick A709M-345 T2-X steel plate material from Zheunuha Port Machinery Company (ZPMC).

The QA Inspector first arrived 1030 hours at the chemical analysis testing center and met with the director of the testing institute, Mrs. Tong and the lab manager Mrs. Tang Ya Wen to discuss the results paperwork, but the QA inspector noticed that the worksheet headings were written in Chinese, also the worksheets did not specify whether the samples conformed to the type of chemical composition listed as 1,2,3,4 per ASTM A709 Table 3 (Heat Analysis).

The QA Inspector was informed that this could be completed later in the day, and the QA inspector agreed to return later to review the results.

The QA Inspector arrived at the Mechanical testing lab 1330 at 99 Handan Road and met with the senior engineer of the mechanical testing laboratory Mr. Jian Jiang Mr. Yan Jun and the Assistant Director of the (SIIST) to witness the testing of Charpy-V notch samples.

Caltrans Quality Assurance (QA) Inspector Roscoe Dixon witnessed impact testing on the following: 12 Charpy-V notch samples Identified as B75-063-07 thru B75-074-07.

The specimens were tested at 4 degrees Celsius, and each sample tested consisted of a total of three specimens.

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The QA Inspector observed the impact testing performed on the above listed samples and assigned Caltrans lot # B59-133-07 for the QA witnessing of testing for traceability purposes.

The Testing personnel Mr. Yan Jun informed the QA inspector that all samples tested on this date passed per the requirements of ASTM A 709 and the contract special provisions.

The QA inspector returned to the Chemical Analysis Testing Center of the Shanghai Institute of Iron and Steel Technology (SIIST) at Dingxi Lu 1118 and met with the director of the testing institute, Mrs. Tong and the lab manager Mrs. Tang Ya Wen to discuss and review the chemical analysis results of the above listed samples and compared the tested material numbers with the requirements per ASTM A709 Table 3 (Heat Analysis) and the contract requirements.

Mrs. Tang Ya Wen explained which check sample tested met the requirements of type 1,2,or 3 per ASTM A709 Table 3 (Heat Analysis).

The QA inspector assigned Caltrans lot # B59-134-07 for the QA witnessing of chemical analysis samples for traceability purposes.

Testing observed on samples and documents reviewed as mentioned above appeared to comply with contract documents.

Item Description	WBS	Dwg No.	Status
1 Test Samples Check sample type 16mm A709M-345F2-X and 18mm A709M-345 T2-X steel plate	NA	N/A	testing

### Summary of Conversations:

All relevant work related conversations are as noted within the report shown 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 Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Dixon,Roscoe	Quality Assurance Inspector
<b>Reviewed By:</b>	Cochran,Jim	QA Reviewer

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