

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 #: 73.28**WELDING INSPECTION REPORT****Resident Engineer:** Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-004840**Date Inspected:** 28-Nov-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 800**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1700**Contractor:** HoChang, Korea**Location:** Unyang, Korea

CWI Name:	N/A		
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

Bridge No: 34-0006**Component:** Pier E2 bearing and Shear key**Summary of Items Observed:**

The following report is based on METS observations at HoChang Machinery Industries. Current work: Casting, forging and machining.

On this date the Caltrans Quality Assurance (QA) inspector, Dong J. Shin arrived at HoChang Machinery Industries (HCMI) located at Unyang, Korea. The Purpose of this trip was to observe quality control during fabricate and process of following items.

Forging

1. Bearing Bottom Housing (B1-07/F07302-010): Move to HCMI for rough machining.
2. Bearing Bottom Housing (B2-07/F07302-020): Continue to rough machining
3. Bearing Bottom Housing (B3-07/F07302-030): Move to HCMI for rough machining.
4. Bearing Bottom Housing (B4-07/F07302-040): Move to HCMI for rough machining.
5. Spherical Ring (S1-07/F07302-050): complete rough machining.
6. Spherical Ring (S2-07/F07302-060): complete rough machining.

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7. Spherical Ring (S3-07/F07302-070): complete rough machining.
8. Spherical Ring (S4-07/F07302-080): complete rough machining.
9. Solid Shaft (B1-02/F07302-090): complete rough machining.
10. Solid Shaft (B2-02/F07302-100): complete rough machining.
11. Solid Shaft (B3-02/F07302-110): complete rough machining.
12. Solid Shaft (B4-02/F07302-120): complete rough machining.

- F number is DooSan Production Number.
- B number is drawing Number .

Casting

1. Bearing Top Housing(B1-06, C07039-010): Raiser cut in progress
2. Bearing Top Housing(B2-06, C07039-020): Finished Pouring
3. Bearing Top Housing(B3-06, C07039-030): Finished Pouring
4. Bearing Top Housing(B4-06, C07039-040): Pattern making
5. Bearing Hold Down Assembly (B1-01-1, C07039-050): Raiser cut in progress
6. Bearing Hold Down Assembly (B1-01-2, C07039-060): Raiser cut in progress
7. Bearing Hold Down Assembly (B2-01-1, C07039-070): Finished Pouring
8. Bearing Hold Down Assembly (B2-01-2, C07039-080): Pattern making
9. Bearing Hold Down Assembly (B3-01-1, C07039-170): Pattern making
10. Bearing Hold Down Assembly (B3-01-2, C07039-180): Pattern making
11. Bearing Hold Down Assembly (B4-01-1, C07039-190): Pattern making
12. Bearing Hold Down Assembly (B4-01-2, C07039-200): Pattern making
13. Shear Key Stub(S1-01, C07039-090) : Raiser cut in progress

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- 14. Shear Key Stub(S2-01, C07039-100) : Finished Pouring

- 15. Shear Key Stub(S3-01, C07039-110) : Pattern making

- 16. Shear Key Stub(S4-01, C07039-120) : Pattern making

- 17. Shear key Housing(S1-03, C07039-130): Raiser cut in progress

- 18. Shear key Housing(S1-03, C07039-130): Raiser cut in progress

- 19. Shear key Housing(S1-03, C07039-130): Pattern making

- 20. Shear key Housing(S1-03, C07039-130): Pattern making

* S and B number is drawing number.

* C number is DSHI ID number

* Blank is not started.

Summary of Conversations:

Discuss Mr. S H, Kwak regarding current status of NDE procedure and fabrication procedure comments.

Check machining schedule of bearing bottom housing with Mr. SH Kwak.

Ask production schedule of casting.

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 Jinesh K, Mehta (951) 840-0541, who represents the Office of Structural Materials for your project.

Inspected By:	Shin,DJ	Quality Assurance Inspector
Reviewed By:	Lanz,Joe	QA Reviewer
