

DEPARTMENT OF TRANSPORTATIONDIVISION OF ENGINEERING SERVICES
MATERIALS ENGINEERING AND TESTING 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

FAX: (707) 649-5493


 Contract # : **04-0120E4**
 Cty **SF** Rte **80** PM **13.4, 13.8**
 File # **45.25 B**

QUALITY ASSURANCE - NONCONFORMANCE REPORT

Location: Kiewit Offshore Services (KOS)**Date:** 05-19-06**Prime Contractor:** Kiewit/FCI/Manson (KFM) Joint Venture**NCR #** 90**Submitting Contractor:** Kiewit Offshore Services (KOS)**Type of problem:****Welding** **Concrete** **Other** **Welding:** **Curing:** **Procedural:** **Bridge No.** 34-0006L/R**Joint fit-up:** **Coating:** **Other:** **Component:** Diaphragm Plate identified as P68-1**Procedural:** **Procedural:**

Description of Non-Conformance: KOS Quality Control (QC) has allowed KOS welders to deviate from the approved shop drawings and weld-out the weld access area ("snipe") in the location where the diaphragm plate (P68-1) joins the bottom plate and pile sleeve (Pa903).

**Applicable reference:** Approved shop drawing S68, revision 2 shows the corners coped back 75mm x 75mm.**Who discovered the problem:** Caltrans Quality Assurance Inspector David Flygare**Name of individual from Contractor notified:** KOS Quality Control Representative (QC) George Barnhill**Time and method of notification:** 1730 hour, telephoned George Barnhill, 05-19-06**Name of Caltrans Engineer notified:** Mark Vilcheck, Structure Representative**Time and method of notification:** May 22, 2006, 14:15 via phone conversation**QC Inspector's Name:** Eloy Gonzales**Was the QC Inspector aware of problem:** No

QUALITY ASSURANCE - NONCONFORMANCE REPORT

(Continued, Page 2 of 2)

Contractor's proposal to correct the problem: Unknown at this time.

Comments: This report is for the purpose of determining general 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 Patryk Pich (858) 699-0514, who represents the Office of Structural Materials for your project.

Inspected By: David Flygare



Quality Assurance Inspector

Reviewed By: Mahlon Lindenmuth

Lead QA Reviewer

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Location: Kiewit Offshore Services (KOS)

Date: 05-19-06

Prime Contractor: Kiewit/FCI/Manson (KFM) Joint Venture

NCR # 90

Submitting Contractor: Kiewit Offshore Services (KOS)

Type of problem:

Welding **Concrete** **Other**

Welding: **Curing:** **Procedural:** **Bridge No.** 34-0006L/R

Joint fit-up: **Coating:** **Other:** **Component:** Diaphragm Plate identified as P68-1

Procedural: **Procedural:**

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(Continued, Page 2 of 2)

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Inspected By: David Flygare

Quality Assurance Inspector

Reviewed By: Mahlon Lindenmuth

Lead QA Reviewer

DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge Program

333 Burma Rd.
Oakland, CA 94607
(510) 286-0538, (510) 286-0550 fax



Kiewit-FCI-Manson, JV
220 Burma Rd.
Oakland, CA 94607

January 5, 2007

Attn: Mr. Lee Zink
Project Director

Contract No. 04-0120E4
04-SF-80-13.4, 13.8
SAS T1 & E2 Foundations
SFOBB-ESSSP

Letter No. 05.003.01-002528

Subject: Response to Submittal No. 687, Revision No. 01 (KOS Response to NCR Issued by State Letter 1245)

Dear Lee,

The Department has reviewed Kiewit-FCI-Manson Submittal No. 687, Revision No. 01, dated October 19, 2006. This Submittal responded to the Department's Letter No. 1245 dated May 23, 2006, which notified KFM of a Non-conformance Report (NCR) at Kiewit Offshore Services (KOS) in Ingleside, Texas, on May 19, 2006, for a welded out snipe on the diaphragm plate joining the bottom plate and the pile sleeve. The Department hereby approves Submittal No. 687, Revision No. 01, pursuant to Section 8-3.01, "Welding," of the Special Provisions. The NCR for KOS dated May 19, 2006, is considered to be resolved.

If you have any questions or need additional information, please contact Mark Vilcheck at (510) 286-0526.

Sincerely,

Mark Vilcheck
Structure Representative

For: Pedro J. Sanchez
Resident Engineer

cc: P. Sanchez
M. Woods
R. Smith

file: 05.003.01, 09.006.03, 55.0687

Memorandum

*Flex your power!
Be energy efficient!*

To: MARK VILCHECK
Structure Representative
333 Burma Road
Oakland, CA 94607

Date: December 20, 2006

File: 04-0120E4
E2/T1 Foundations

From: RYAN T. SMITH
Structural Materials Representative
Quality Assurance and Source Inspection Branch
Office of Structural Materials

KFM SUBMITTAL 687-01 –KIEWIT OFFSHORE SERVICES (KOS) RESPONSE TO
NONCONFORMANCE REPORT 090

The Office of Structural Materials (OSM) has reviewed the KFM Submittal 687-01, dated October 19, 2006. In this submittal the Contractor is requesting to close the Nonconformance Report (NCR) issued by State Letter 05.003.01-001245, regarding the welding of the weld access areas (snipes) where the diaphragm plate P68-1 joins to the bottom plate and pile sleeve pa903.

The Contractor's response to the NCR 090 states that the weld access area is no longer welded shut at the connection referenced above and is now in conformance with the approved shop drawings. Additionally the Contractor indicates that the area was examined by Magnetic Particle Testing (MT), as required by the contract specifications for Partial Joint Penetration (PJP) welds. The results of these examinations were included in the subject submittal.

In accordance with the commentary above, METS considers NCR 090 to be closed at this time. However, METS also understands that the Department has requested the Contractor identify all other snipes within the T1 footing that have been welded closed and forward this information to the Department for review. The final copy of this data has not been received as of the date of this memorandum.

If you have any questions, or would like to discuss the issues, please call me at (858) 232-6799.

Mark Vilcheck
December 20, 2006
Page 2

cc: Rafael Bolon
Tom Shimada
Patryk Pich
Robert Cuellar



"Ryan Smith"
**<rsmithlaw@worldnet.
att.net>**

05/22/2006 04:43 PM

To: "Mark Vilcheck" <mark_vilcheck@dot.ca.gov>
cc: "Tom Shimada" <tom_shimada@dot.ca.gov>, "SFOBB-E2-T1
Contract Dist04" <SFOBB-E2-T1_Contract_Dist04@dot.ca.gov>,
"Rafael Bolon" <rafael_bolon@dot.ca.gov>, "Reba Torres"
<reba_torres@dot.ca.gov>, "Laraine Woo"
<laraine_woo@dot.ca.gov>, "Pedro Sanchez "
<pedro_sanchez@dot.ca.gov>, "Patryk Pich"
<ppichlaw@worldnet.att.net>, "Robert Cuellar"
<rcuellarlaw@worldnet.att.net>, "Mary Madere"
<mmaderelaw@worldnet.att.net>

Subject: E2.T1 NCR 090 - KOS Welding Sniped Edge on Diaphragm Plate

Mark,

As discussed with Patryk Pich earlier today, this NCR was issued to document that KOS has also welded the sniped edges on a diaphragm plate. This is in addition to the NCR issued to document the same issue on the stiffener plates. We have briefly discussed this with Chris Webb and have indicated to him that the Department does not find this to be an acceptable practice. Chris Webb has relayed this to KOS and I believe they have stopped. We are currently discussing the options for the stiffener plates and the diaphragm plates that currently have intersecting welds at the base.

Please let me know if you have any questions regarding this issue.

RYAN T. SMITH

Structural Materials Representative
Caltrans Office of Structural Materials
Mobile: 858-232-6799
Fax: 707-552-7758/ 916-227-7117
rsmithlaw@worldnet.att.com



04-0120E4_15_B76_05-19-06_KOS (NCR 090).

004089 JUN-88

RECEIVED