

DEPARTMENT OF TRANSPORTATION
DIVISION 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 # 45.25B

QUALITY ASSURANCE - NONCONFORMANCE REPORT

Location: Ingleside, Texas

Date: November 13th, 2006

Prime Contractor: Keiwit, FCI, Manson, (KFM)- Joint Venture

NCR #127

Submitting Contractor: Kiewit Offshore Services (KOS)

Type of problem:

Welding **Concrete** **Other**

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

Joint fit-up: **Coating:** **Other:** **Component:** T1 Foundation Footing

Procedural: **Procedural:**

Description of Non-Conformance: KOS performed the build-up of the complete joint penetration (CJP) groove plate edges of diaphragm plates P73-1 and P66-1. These diaphragm CJP groove plate edges were built up by KOS in an effort to bring the root opening within an acceptable tolerance for an AWS D1.5 (2002) TC-U5-GF joint configuration. The CJP weld built-up edge exceeded 20 mm, which requires Engineer approval prior to performing such work. KOS proceeded to build up these CJP plate edges on the diaphragm plates without prior approval from the Engineer.

Applicable reference: AWS D1.5 2002 section 3.3.4.1 states "Root openings larger than those allowed in 3.3.4 but not greater than twice the thickness of the thinner part or 20 mm whichever is less, may be corrected by welding to acceptable dimensions prior to joining the parts by welding." Section 3.3.4.2 states "Root openings larger than those allowed in 3.3.4.1 may be corrected by welding only with the approval of the Engineer."

Who discovered the problem: Quality Assurance Inspector Andrew Hosman and Gregory Bertlesman.

Name of individual from Contractor notified: KOS Quality Control Representative (QC) Mr. George Barnhill

Time and method of notification: Verbal with Mr. Barnhill at approximately 1330 hours on 11-13-2006.

Name of Caltrans Engineer notified: Mark Vilcheck, Structures Representative

Time and method of notification: 1441 hours, November 14, 2006, via telephone conversation

QC Inspector's Name: Mr. George Barnhill

Was the QC Inspector aware of problem: Yes

Contractor's proposal to correct the problem: Unknown

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 Ryan Smith, (858) 232-6799, who represents the Office of Structural Materials for your project.

Inspected By: Gregory Bertlesman

Quality Assurance Inspector

Reviewed By: Robert Cuellar

Lead QA Reviewer

005613 NOV 16 98

RECEIVED

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

February 2, 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. 05.003.01-002768

Subject: Response to Submittal No. 1209, Revision No. 00 (KOS Response to METS NCR 127 (KFM NCR 27))

Dear Lee,

The Department has reviewed Kiewit-FCI-Manson (KFM) Submittal No. 1209, Revision No. 00, dated January 8, 2007, which responded to the Department's Non-conformance Report (NCR) No. 127. The Department's Letter No. 2279, dated November 16, 2006, notified KFM of the NCR for Kiewit Offshore Services (KOS) dated November 13, 2006. The Department hereby approves Submittal No. 1209, Revision No. 00, pursuant to Section 8-3.01, "Welding," of the Special Provisions. The NCR for KOS dated November 13, 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, 55.1209

Memorandum

*Flex your power!
Be energy efficient!*

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

Date: January 24, 2007

File: 04-0120E4
E2/T1 Foundations

COMPLETED

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

KFM SUBMITTAL 1209-00 –KIEWIT OFFSHORE SERVICES (KOS) RESPONSE
TO NONCONFORMANCE REPORTS 127

The Office of Structural Materials (OSM) has reviewed the KFM Submittal 1209-00, dated January 8, 2007. In this submittal the Contractor is requesting to close the METS Nonconformance Report (NCR) 127, which documented the Contractor proceeding with buttering the groove of two plates beyond the allowable tolerance in the AWS D1.5-2002 Code without prior approval by the Engineer.

In November 2006, METS documented the Contractor had proceeded with the build up of the complete joint penetration (CJP) groove plate edges in diaphragm plates P73-1 and P66-1 without approval from the Engineer. As indicated in the KOS letter dated December 27, 2006, this occurred due to an oversight by the KOS Quality Control Manager while submitting a high volume of repairs during that period. The Contractor has indicated in their response to NCR 127 to be more diligent in the future when writing multiple Critical Weld Repairs (CWRs). METS understands this to be an isolated case and considers NCR #127 to be resolved at this time.

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

cc: Rafael Bolon
Tom Shimada
Petryk Pich
Robert Cuellar