



P.O. BOX 23223 Oakland, CA 94623
Phone (510)419-0120 / Fax (510)839-0666

Request for Information (RFI) Report
KFM Skyway Project # 04-012024

Run Date OS-Mor-04
Time 1:02 PA4

Dated: 05-Mar-2004
To: Doug Coe
Caltrans-Skyway Project
345 Burma Road
Oakland CA 94607
Phone: (510) 622-5100 Fax: (510) 622-5165
RFI No: KFM-RFI-001089
Rev: 00
Co/Job # 364-3726
Contract # 04-012024
Sub/Supplier: KOS
Sub/Supplier No: 120

Date Requested By: 08-Mar-2004
Group: FND

Subject: KOS RFI# 120- NCR 57

Drawing No. Ref: Specification Ref: 08-3.01
Other:
Resubmittal/Supplement Ref:

Description (Attachments As Needed):
Please See the Attached KOS RFI 120 and Responsd

Potential Time Impact? No Potential Cost Impact? No Schedule Activity ID#:
General Explanation of Potential Impact (if Required):

Response (Attachments As Required):

Answered By: Date Answered:

CC:

Prepared By: Chris Webb
Originator

Reviewed By:
Scott Thompson

Reviewed By:
John Hassard

Submitted By:
Contract Admin/DCS Staff

RECEIVED
019330 MAR - 10

Kiewit Offshore Services

REQUEST FOR INFORMATION

No. 00120

P.O. Box K
INGLESIDE, Texas 78362
Phone: 361-775-4300

TITLE: NCR #57 **DATE:** 3/5/2004

PROJECT: SFOBB Footing Fabrication **JOB:** 3657

TO: Attn: George Atkinson
Kiewit/FCJ/Manson
220 Burma Road
Oakland, CA 94607
Phone: 510-419-0120
WORK STARTED:
WORK COMPLETED:
ANSWER REQUIRED: 3/5/2004

REQUEST: [REDACTED]

KOS is sending NCR #57 as a response to Caltrans NCR, which was dated 03/04/04. Please see attached for NCR #57.

Requested By: Kiewit Offshore Services

Signed: *Kaan Akyalcin*

Kaan Akyalcin

Date: 03/05/04

Expedition ©

ANSWER: [REDACTED]

Answered By: Kiewit/FCJ/Manson

Signed: George Atkinson

Date: _____



NON-CONFORMANCE REPORT

NCR No: 3657-57 Job No.: Caltrans 3657 Date: 3/5/2004

Client: Caltrans

Drawing/Sketch No.: _____ Rev.: _____

Specification/Code: Special Provisions Section 8.3.1

Attachment		
YES	X	NO

Non-Conformance: During the installation of the grout sleeves on E11 West at Pile Sleeve A1 and Pile Sleeve B1 Caltrans QA observed that the tacker did not preheat to the required temperature, at Pile Sleeve A1 the tacker was welding with amperage lower than required by the WPS. On E12 West a welder was welding with preheat lower than required by the WPS to bottom plate B203. On bottom plate 206A Welder was welding with preheat lower than required by the WPS. Caltrans QA also observed that KOS QC was not present on the Barge until 13:15.

Disposition: KOS QC corrected the discrepancies, and notified Caltrans QA that the corrections were being done while in process, to allow them an opportunity to observe the operation as noted in the attached reports from QC inspectors Peter Colby and Ronald Williams.

The lack of QC presence was an oversight on by KOS. KOS will monitor the work schedule more closely and continue to provide QC Inspection in accordance with the Section 8.3.1 of the Special Provisions.

Disposition Approvals

Kean Abjukon 3/5/04
Project Manager/Date

[Signature]
Fabrication Manager/Date

Tony Melillo 3/5/04
Project Supt./Date

Client Rep./Date

[Signature] 3/5/04
KOS QCM/Date

Verification of Disposition Accomplished

Kean Abjukon 3/5/04
Project Manager/Date

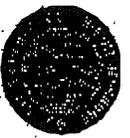
[Signature]
Fabrication Manager/Date

Tony Melillo 3/5/04
Project Supt./Date

Client Rep./Date

[Signature] 3/5/04
KOS QCM/Date

Distribution
Fabrication Mgr. Project Mgr General Supt. QCM QC File



George B... GCM

KOS Daily Visual Inspection Report

Inspector: Donald R. Williams Sr. AC # 02
 Date: 3-4-04
 Footing #: W-12

ACM: George B...-02 AC#: 01
 Date: 3/4/04
 Component #(s): B58-1 B-203 B-203

Weld Number	Weld Prep Accepted		Fit Up Accepted		Tack Welding Accepted		Tack Welders Stencil		Welding Accepted		Welders Stencil		Linear MM of completed weld inspected	Comments	Time and Temp. At 3hour Intervals
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No			
40	✓								✓		MAI			Visual weld data, Short Orbit, inside diameter B58-1	
24	✓								✓		DVB			Visual weld pass, G55P01 to Short Orbit to B-203 B58-1 Separator	
40	✓								✓		MAI			Visual weld pass, Short Orbit to B-203 inside diameter, welder working with four pulsed welder was told to gauge weld out and witness flagging and weld prep and welding practice weld to 150° and welding returned, Joe R for Callina was call close to check gauging, B5-B-2 location	

George Barnhill, QCM



KOS Daily Visual Inspection Report

Inspector: Peter Colby QC # 024

QCM: [Signature] QCM#: 01

Date: 3/5/04 3/4/04

Date: 3/5/04

Footing #: E-11 W

Component #(s): Graut Skirts

Weld Number	Weld Prep Accepted		Fit Up Accepted		Tack Welding Accepted		Tack Welders Stencil		Welding Accepted		Welders Stencil	Linear MM of completed weld Inspected	Comments	Time and Temp. At 3Hour Intervals
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No				
#40	✓								✓		CAN		Fillet Weld on Graut Skirts to Bottom Plate.	
#40	✓								✓		BW		Fillet Weld on Graut Skirt to Bottom Plate.	
#40			✓		✓			8690					Visual Test Ok on Fit Up of Graut Skirt to Bottom Plate.	
#40	✓								✓		8413		Fillet Weld Graut Skirt to Bottom Plate.	
#40	✓				✓			8413				700mm	Low Preheat was observed by CAN Insp. T. Reame, QC 024 Insp. P. Colby witnessed gouge, grind and re-weld according to WPS CFG-14.	
													At the time area was prepared to re-weld a call to Mr. Reame was made by QC Insp. P. Colby was informed to weld. The weld is on Graut Skirt to Bottom Plate B-208A at A-1 Location.	

DEPARTMENT OF TRANSPORTATION

SFOBB – Skyway Project
345 Burma Road
Oakland, CA 94607
Facsimile Number: (510) 622-5165



*Flex Your Power
Be Energy Efficient!*

March 5, 2004

KFM, a JV
220 Burma Road
Oakland, CA 94607

Contract: 04-012024
04-SF, Ala-80-13.9/14.3, 0.0/1.6
SFOBB Skyway Project
State Letter # 5.03.1-003833

Subject: Response to RFI 1089, KOS RFI# 120 - NCR 57

Dear Mr. Skoro,

Attention: Rich Bienek and George Atkinson,

We received your RFI titled, "KOS RFI# 120 - NCR 57," KFM-RFI-00 1089 ~~ROO~~ on March 5, 2004. We concur with the disposition stated to resolve this NCR, however we remind you of your responsibility to comply with Section 8-3.01 of th Special Provisions and of the understanding which you stated in your disposition of resolved NCR 55 in KFM-RFI-001080, wherein KOS stated that, "KOS agrees that the Caltrans Special Provisions states that a sufficient number of QC inspectors shall be provided to ensure continuous inspection when any welding is being performed for each welding operation and each welding location. KOS feels that having this many welders on one footing is unusual and is not the normal staffing of the footings. The norm is approximately 10 to 15." In approving this NCR disposition we expect that the QC levels will be maintained at levels which will meet the requirements of section 8-3.01 of the Special Provisions.

If you have any questions regarding this matter, please contact Mark Woods at (510) 622-5107.

Sincerely,

A handwritten signature in black ink, appearing to read "Mark P. Woods".

Mark P. Woods
Foundation Structure Representative

for: Douglas B. Coe
Resident Engineer

cc: D. Coe, V. Iyer, M. Baker,
M. Guadamuz, G. Zakaria

file: 5.03.1, 56.1089, 9.03.2, 9.07.2

Memorandum

*Flex your power!
Be energy efficient!*

To: DOUGCOE
Resident Engineer
SFOBB Skyway Office
345 Burma Road
Oakland, California 94607

Date: March 12, 2004

File: 04-012024 SFOBB
East Span Skyway
File 1.3

From: KEITH HOFFMAN *KH* (Signed w/ permission
by *Enka Jackson*)
Chief
Quality Assurance and Source Inspection Branch
Office of Structural Materials, Bay Area

Subject: KFM RFIs #1071, #1072, #1073, #1079, #1082, #1082R1, and #1089

The Office of Structural Materials has reviewed KFM's RFIs #1071 regarding the lifting eyes for box 8W, #1072 regarding the stiffener plate length for 4W (KOS RFI #116), #1073 regarding the sidewall stiffener splice for 4W (KOS RFI #115), #1079 regarding patch plate on splice for E3W (KOS RFI #117), #1082 and #1082 Revision 1 regarding consumable exposed to rain (KOS RFI #119 and #119 Revision 1), and #1089 regarding NCR #57 (KOS RFI #120). Our comments and recommendations to the subject RFIs are presented in the attached report.

If you have any questions, or would like to discuss the issues, please call the Structural Materials Representative Venkatesh Iyer at (858) 967-6363.

Attachments

c: Kannu Balan

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March 12,2004

PROJECT INFORMATION

04-012024
SFOBB - Skyway

SUBJECT

KFM RFI #1071 – Lifting Eyes – Box 8W
KFM RFI #1072 – KOS RFI-116 4W Stiffener Plate Length
KFM RFI #1073 – KOS RFI-115 4W Sidewall Stiffener Splice
KFM RFI #1079 – KOS RFI 117 – E3W Patch Plate on Splice
KFM RFI #1082 – KOS RFI #119 – Consumable Exposed to Rain
KFM RFI #1082R1 - KOS RFI #119 – Consumable Exposed to Rain
KFM RFI #1089 – KOS RFI #120 – NCR #57

DISCUSSION

Our office has received and reviewed the subject RFIs and has compiled the following response to the issue listed:

RECOMMENDATIONS

KFM RFI #1071 – Lifting Eyes – Box 8W

Please review and respond to attached KOS RFI-114 regarding openings in battered shear plates for box lifting eyes. Three of the slots have not been cut according to plan. KOS's proposed solution to leave them as-cut is acceptable to our engineer (Ben C. Gerwick) with respect to lifting stresses as discussed in the attached memo of 2/17/04.

<RFI #114 dated 2/18/04 from KOS> Problem: KOS cut 3 pad eye slots longer than what was needed on footing E8W.

Corrective Action: KOS believes that there is no structural impact to the pad eye location. KOS proposes to leave these slots as is.

OSM has no comments regarding this RFI and defers to the designer's review and comments.



KFM RFI #1072 – KOS RFI-116 4W Stiffener Plate Length

<RFI #116 dated 2/23/04 from KOS> Problem: Large footing E4W pier socket stiffener plate S-257 in row 2 the top plate stiffener is 40mm shorter than its original length of 4171mm which puts it to 4131mm.

Corrective Action: KOS proposes to leave this as is.

OSM has no comments regarding this RFI and defers to the designer's review and comments.

KFM RFI #1073 – KOS RFI-115 4W Sidewall Stiffener Splice

<RFI #115 dated 2/23/04 from KOS> Problem: KOS patched the W12X45 beam web on side wall S-261 adjacent to C1 sleeve with 14.6mm plate due to a small notch on the web of the beam.

Corrective Action: KOS proposes to leave this as is due to the fact that the only reason these beams are in place is to be used as installation aids.

OSM has no comments regarding this RFI and defers to the designer's review and comments.

KFM RFI #1079 – KOS RFI 117 – E3W Patch Plate on Splice

<RFI #117 dated 2/26/04 from KOS> Problem: KOS patched the W12X45 beam web on side wall S-261 adjacent to C1 sleeve with 14.6mm plate due to a small notch on the web of the beam. This is the same situation that we had on RFI #116. The only difference is the footing number. Please refer back to that RFI for details.

Corrective Action: KOS proposes to leave this as is due to the fact that the only reason these beams are in place is to be used as installation aids.

OSM has no comments regarding this RFI and defers to the designer's review and comments.

KFM RFI #1082 – KOS RFI #119 – Consumable Exposed to Rain

<RFI #119 dated 3/2/04 from KOS> Problem: Caltrans QA witnessed SAW consumables that were used to weld the top plate on footing E3W were exposed to rain.

Solution: At the time of this event KOS field personnel blew the rain drops off the wire with pressure air. KOS proposes to do additional MT inspection to assure the soundness of the weld and provide UT reports for back-up purposes.

This RFI has been superseded by RFI #1082 Revision 1 below.



KFM RFI #1082R1 - KOS RFI #119 – Consumable Exposed to Rain

<RFI #119 Rev. 1 dated 3/3/04 from KOS> Problem: Caltrans QA witnessed SAW consumables that were used to weld the topplate on footing E3W were exposed to rain.

Solution: At the time of this event KOS field personnel blew the rain drops off the wire with pressure air. KOS proposes to do additional MT inspection 48 hours after the weld completion to assure the soundness of the weld and provide UT reports for back-up purposes (UT reports attached).

Based on our review of the UT reports, OSM has no comments regarding this submittal. OSM recommends that KOS educate their personnel and establish quality checks to ensure that such incidents are not repeated in the future.

KFM RFI #1089 – KOS RFI #120 – NCR #57

<RFI #120 dated 3/5/04 from KOS> KOS is sending NCR #57 us a response to Caltrans NCR, which was dated 3/4/04.

According to the QC report documentation provided, it appears that the questionable welds were gouged out and rewelded. Therefore, OSM has no comments regarding this submittal.

Venkatesh S. Iyer (Signed w/ permission
by *Linda Malley*)

Venkatesh S. Iyer, Ph.D., P.E.
Structural Materials Representative
Division of Engineering Services
Materials, Engineering and Testing Services
Office of Structural Materials





LAW ENGINEERING & ENVIRONMENTAL SERVICES, INC.
9177 Sky Park Court, Suite A, San Diego, California 92123

FACSIMILE TRANSMITTAL SWEET

TO: Kannu Balan
COMPANY;
FAX NUMBER: (510) 622-5165
NO. OF PAGES (INCL. COVER) 5

FROM: Erika Jackson
DATE: 3/15/04
TELEPHONE: (858) 278-3600
FAX NUMBER: (858) 268-1352

URGENT FOR REVIEW PLEASE COMMENT PLEASE REPLY HARD COPY TO FOLLOW

NOTES/COMMENTS:

RE: KFM RFI #1071, #1072, #1079, #1082, #1082R1, and #1089

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