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Phone (510) 419-0120 / Fax (510) 839-0666

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

Run Date 17-Nov-03
Time 1:35 PM

Dated: 17-Nov-2003

To: Doug Coe
Caltrans-Skyway Project
345 Burma Road
Oakland CA 94607
Phone. (510) 622-5100 Fax: (510) 622-5165

RFI No: KFM-RFI-000974 Rev: 00
Co/Job # 364-3726
Contract # 04-012024
Sub/Supplier: USI
Sub/Supplier No: USI NCR no. 6

Date Requested By: 20-Nov-2003

Group: SUP

Subject: Reponse to USI NCR no. 6. "Fabrication started without an approved USI Survey plan per Spec. Prov. 10-1.16

Drawing No. Ref:

Specification Ref: 10-1.44
Other:
Resubmittal/Supplement Ref

Description (Attachments As Needed):

Please see attached USI's response to USI NCR no. 6. "Fabrication started without an approved USI Survey plan per Spec. Prov. 10-1.16. Both KFM and USI believe that the requirements of this section fall short of requiring USI to prepare and submit such a survey control plan. KFM plan to abide by the provisions of this section whereby the Project Quality Control Plan for Survey requires that KFM provide "correlation between the data from geometric control for furnishing --- steel structures with the data for erection and final line and grade". KFM will incorporate the data from USI's Tub survey into our field survey and layout. Please specify in writing whether any further measures are required by the engineer. We will be happy to review and price and such items of work.

Potential Time Impact? Yes Potential Cost Impact? Yes Schedule Activity ID#:

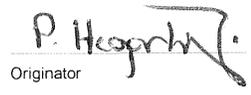
General Explanation of Potential Impact (If Required):

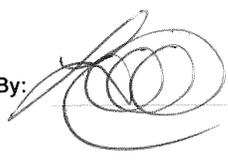
Response (Attachments As Required):

Answered By:

Date Answered:

CC:

Prepared By: Paul Hegarty 
Originator

Reviewed By: 

Reviewed By: 
John Hassard

Submitted By: 
Contract Admin/DCS Staff

01439 NOV 18 8

56.0974

UNIVERSAL STRUCTURAL, INC.



604 SE. Victory Ave.
Vancouver, WA 98661

P.O. Box 1030
Vancouver, WA 98666

Vancouver (360) 695-1261
Portland (503) 227-2419
FAX (360) 696-3590

November 14, 2003

To: Paul Hegarty / KFM

From: Dave Williams / USI

Reference: Special Provisions
Contract No. 04-012024

Subject: Construction Surveying

This document is in response to a rumored NCR #6 that was written by someone at Caltrans. Since we have not seen any such NCR, it continues to be only rumored in our opinion.

From verbal discussions with Caltrans and KFM via a conference call on November 13, 2003 at approximately 3:15 PM, it was brought to our attention an NCR had been written stating we are not in compliance with Special Provisions, Section 10-I.16, Construction Surveying.

If the person writing this NCR would read section 10-I.16 complete, they would see that this section pertains to the survey by the contractor at the jobsite so they can insure all lines and grades are proper, all control points are proper, and the alignment of the bridge is proper.

If Caltrans' interpretation of this section differs from what is written in this section, and they want us to document something other than what is called for, we would require a CCO in writing, directing us to price out the additional work. USI would be happy to give them a price for my additional work.



Category III

A Subsidiary of

HARDER MECHANICAL CONTRACTORS



604 SE Victory Ave
 Vancouver, WA 98661
 (360) 695-1281
 (360) 696-3590 (FAX)



Fax

To: Paul Hegarty / KFM **From:** Dave Williams

Fax: **Pages:** 2

Phone: (510) 839-0666 **Date:** 11/14/2003

Re: Response to NCR #6 **CC:**

Urgent For Review Please Comment Please Reply Please Recycle

• **Comments:**

SKYWAY-BAY BRIDGE PROJECT	
<small>KIEWIT / FCI / MANSON, A JV</small>	
DATE: 11/14/03	CO/JOB 364-3726
ROUTED BY:	NO 04-012024
P. Hegarty	SPECIAL NOTES: TO BE scanned
INTERNAL KFM COPIES TO:	
EXTERNAL COPIES TO:	
SCANNED: Y N FILED TO:	



SFOBB - Skyway Project
345 Burma Road, Oakland CA 94607
Telephone (510) 622-1071 Facsimile (510) 622-1069

REQUEST FOR INFORMATION (RFI) RESPONSE

SFOBB Skyway Project # 04-012024

To: Caltrans
345 Burma Road
Oakland CA 94607

Date: November 24, 2003
Date Received: Nov 24, 03
Contract No: 04-012024
04-SF, Ala-80-13.9/14.3,0.0/1.6
Job Name: Skyway Project - SFOBB

Attn: Kannu Balan / Bryan Chew

RFI No.: 974

Subject: Response to USI NCR no. 6 "Fabrication Started without an approved USI Survey plan per Spec. Prov. 10-1.16"

Response to RFI:

Caltrans should respond to the subject RFI.

Remarks:

The subject RFI related to the NCR no. 6 issued by Caltrans. We do not have a copy of this NCR and, therefore, cannot respond to the subject RFI that relates to the non-conformance by KFM on the construction issues. We understand that the RFI does not relate to any design issue.

Potential Time Impact: No

Potential Cost Impact: No

Remarks:

Response Attachments:

Answered By: S. Singh

QA/QC By: S. Abbas

CC: File: TYLIN/MN-

Memorandum

*Flex your power!
Be energy efficient!*

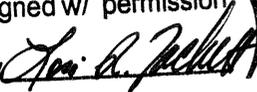
To: DOUG COE
Resident Engineer
SFOBB Skyway Office
345 Burma Road
Oakland, California 94607

Date: November 24, 2003

File: 04-012024 SFOBB
East Span Skyway
File 1.5

From: KEITH HOFFMAN
Chief
Quality Assurance and Source Inspection Branch
Office of Structural Materials, Mare Island



(Signed w/ permission
by )

Subject: KFM RFI # 970, 971, and 974 – Fabrication Jigs, Stamped Drawings, and Survey Submittal

The Office of Structural Materials has reviewed KFM's RFI #970 regarding the omission of fabrication jigs, RFI #971 regarding shop plans stamped by a California PE, and RFI #974 regarding the requirement for a survey submittal. 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 Patrick S. Lowry at (858) 344-2712.

Attachments

c: David Wu

5.12.5
56.970
56.971
56.974

RECEIVED
015518 NOV 24 03

November 24, 2003

PROJECT INFORMATION

04-012024

SFOBB East, Skyway Portion, Orthotropic Deck

SUBJECT

KFM RFI # 970 – Fabrication Jigs

KFM RFI #971 – Engineer Stamped Drawings

KFM RFI #974 – Surveying Submittal

DISCUSSION

KFM RFI # 970

In KFM-SUB-391R2, Item 2, Paragraph B, Universal Structural, Inc. (USI) stated “fabrication jigs will be used as required to insure fabrication tolerances are met.” In response to this submittal, State Letter 2179 notified the contractor that the submission of fabrication jigs as they get designed is acceptable. The State Letter also required the details of the fabrication jigs be submitted “prior to commencing fabrication.” USI started fabrication on the Orthotropic Steel Deck on 10/10/03 resulting in a Non Conformance Report on 11/6/03. In KFM RFI #970, the Contractor requests the submittal of jigs and fixtures be removed as a condition of approval of the Fabrication Procedures.

Without the use of fabrication jigs, the timing and methods for dimensional checks detailed in USI’s fabrication procedures are not sufficient to ensure the fabrication tolerances specified in the Special Provisions on revised pages 252-253. KFM has an obligation to follow their submitted fabrication procedures until a revision is submitted and approved.

KFM RFI # 971

Universal Structural, Inc. (USI) has not submitted working drawings in accordance with Section 5-1.01 “Working Drawings” of the Special Provisions. This section requires all working drawings “be stamped and signed by an Engineer who is registered as a Civil Engineer in the State of California.” None of the working drawings submitted by USI were stamped by a California PE. Furthermore, on 11/6/03 in a meeting at USI in Vancouver, WA, USI informed KFM and the State that upon receipt of the conditional approvals for working drawings, they were sending the drawings to a California PE to obtain a stamp. USI informed the State that the CA PE was making corrections to the drawings.



While METS maintains formal approval was never granted for the working drawings, the Contractor is directed to Section 5-1.02 of the Standard Specifications: "No change shall be made by the Contractor in any working drawing after it has been approved the Engineer."

KFM RFI # 974

OSM takes no exception to this RFI.

RECOMMENDATIONS

KFM RFI # 970

It is recommended that KFM be required to follow their submitted fabrication procedures until a revision has been submitted and approved. If the Contractor elects to submit a revision to their fabrication procedures to not use fabrication jigs, METS recommends the Contractor address the timing and methods their "Dimensional Checker" will use to verify the dimensional tolerances of the internal members of the Orthotropic Deck. These should include the spacing and locations for the open and closed ribs, T-stiffeners, end diaphragms, hinge pipe beam support diaphragms, continuous web plates, and stiffener plates. Without fabrication jigs, it is also recommended the Contractor address how they will handle variations in tolerances of the internal members to ensure the overall tolerance is not exceeded after assembly.

KFM RFI # 971

It is recommended that KFM be reminded that all working drawings must be stamped and signed by an Engineer who is registered as a Civil Engineer in the State of California before formal approval can be given. Furthermore, METS recommends the Contractor be reminded that upon receipt of final approval, no changes shall be made.

KFM RFI # 974

OSM takes no exception.



Patrick S. Lowry, P.E.
Structural Materials Representative
Division of Engineering Services
Materials, Engineering and Testing Services
Office of Structural Materials

SIGNED W/ PERMISSION

BY 