KFM
KIEWIT / FCI / MANSON, A JV

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

LETTER OF SUBMITTAL
KFM Skyway Project # 04-012024

Run Date 17-Nov-04
Time 10:13 AM

Dated: 17-Nov-2004

SUBMITTAL No: KFM-SUB-003288 **Rev:** 00

To: Doug Coe
Caltrans-Skyway Project
345 Burma Road
Oakland CA 94607
Phone: Fax:

Co/Job # 364-3726
Contract # 04-012024
Sub/Supplier: USI
Sub/Supplier No:

Subject: USI - KFM NCR #42 (METS NCR#28) NCR Response to State Letter #4760

Special Provis. (SP) REF: 08-3.01
Standard Spec. (SS) REF:

RESUBMITTAL/SUPPLEMENTAL REF:

We are sending the following attached items: ☑ Attached ☐ Via Fax

☐ Drawing	☑ Plans	☐ Prog. Pmt
☐ Samples	☐ Certificates of Compliance	☐ Calculations
☐ Payroll	☐ Specs	☐ Copy of Letter
☐ Change Order	☐ Schedule	☐ Invoice

Item	Date	Copies	Description	Drawing No	Rev	Status	Pages
01	17-Nov-04	1	Letter of Transmittal #118		0	Pending	1
02	17-Nov-04	1	USI - (NCR LTR# 42.110504)		0	Pending	1
03	17-Nov-04	1	State Letter # 5.03.1-004760		0	Pending	2
04	17-Nov-04	1	Radiographic Test Reports		0	Pending	4

These are transmitted as checked below:

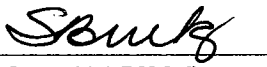
☑ For Approval	☐ For Review/comment	☐ Return For Correction
☐ For Your Use	☐ As Requested	☐ For Information

Remarks:

CC:

Please review / approve by : 24-Nov-2004

Submitted By: Rich Bienek
(KFM Staff Member – Originator of Transmittal)

Checked & Sent By: 
Contract Admin/DCS Staff

Universal Structural, Inc.

a subsidiary of
HARDER MECHANICAL CONTRACTORS, INC.
604 S.E. Victory Avenue, Vancouver, WA. 98661
P.O. Box 1030, Vancouver, WA. 98666
Phone: Vancouver (360) 695-1261 - Portland (503) 227-2419
Fax: (360) 696-3590

LETTER OF TRANSMITTAL

NO: 118
DATE: November 10, 2004
PROJECT: SFOBB Skyway Project
JOB NO.: 23932
ATTENTION: Paul Hegarty / Rich Bienek

TO: Kiewit / FCI / Manson, JV
220 Burma Road
Oakland, Ca 94607

WE ARE SENDING YOU

☐ ATTACHED ☑ NCR Responses

☐ Shop Drawings ☐ Prints ☐ Prints ☐ Samples
☐ Copy of letter ☐ Change order ☐ Change order ☐ Plans ☐ Specifications

COPIES	ITEM	DESCRIPTION / REMARKS
1 Original	NCR Responses	Caltrans State Letter #5.03.1-004760, KFM NCR #42

SKYWAY BAY BRIDGE PROJECT
KIEWIT / FCI / MANSON, A JV
DATE: 11-17-2004 | CO/JOB: 364-3726
ROUTED BY: | NO: 04-012024
TO: RICH BIENEIC | SPECIAL NOTES:
INTERNAL KFM COPIES TO:
EXTERNAL COPIES TO:
SCANNED: Y N FILED TO:

THESE ARE TRASMITTED AS CHECKED BELOW

☐ For Approval ☑ For your use ☐ As Requested ☐ FOR BIDS DUE

REMARKS: Mr. Hegarty & Mr. Bienek,
Universal Structural, Inc. (USI) is in receipt of the above-mentioned Caltrans State Letter's and the following attachments; with individual cover letters is USI's record of subsequent action taken.

Copy To:

Signed: Brad J. Murphy

If enclosures are not as noted, kindly notify us at once.

UNIVERSAL STRUCTURAL, INC.

USI
UNIVERSAL STRUCTURAL, INC.
SUB of HARDER MECHANICAL

November 5, 2004

Kiewit / FCI / Manson, JV (KFM)
220 Burma Road
Oakland, CA 94607
Phone: (510) 419-0120
Fax: (510) 839-0666

Attention: Paul Hegarty / Rich Bienek

Reference: SFOBB Skyway Project
USI #23932 (NCR LTR# 42.110504)

Subject: Response to Caltrans State Letter; # 5.03.1-004760
KFM NCR # 42

Mr. Hegarty & Mr. Bienek,

Universal Structural, Inc. received Caltrans State Letter # 5.03.1-004760, dated June 14, 2004, Caltrans stated that:
"1. Radiographic films for Tendon Anchorage Assembly PB-203 wj-1 (P203g to P203b) and PB-202 wj-59 (P202b to P198d) has the Image Quality Indicator (IQI) for the thicker section (20) out of position and in the weld zone, obscuring the area of interest."
"2. The piece identifications on Radiographic Test Report #SF007 do not match the correct information as it appears on the radiographic film and actual pieces for assembly PC-199 wj-22, PA-199 wj-44, PB-200 wj-54, PC-200 wj-33 and PA-200 wj-43. The lead letter information on the film corresponds to the actual pieces; however, the report contains different information."

USI Response:

1. The Radiographic Test was re-taken on 6-20-04 and a copy was given to the resident Caltrans Inspector the week of 8/16, they were then verified and verbally OK'd.
2. The Radiographic Test Reports were corrected at the time and a copy was given to the resident Caltrans Inspector the week of 8/16, they were then verified and verbally OK'd.

Please see the attached copy of these reports. Please notify Caltrans and request a letter to close this NCR.

If you have any questions or need further clarification, please contact me at your earliest possible convenience.

Sincerely,
Universal Structural, Inc.

Brad Murphy
Sales Manager

Brad Young - USI
file

Category III

BL PH
6/14/04

STATE OF CALIFORNIA-BUSINESS, TRANSPORTATION AND HOUSING AGENCY ARNOLD SCHWARZENEGGER, Governor
DEPARTMENT OF TRANSPORTATION
SFOBB – Skyway Project
345 Burma Road
Oakland, CA 94607
Facsimile Number: (510) 622-5165

Flex Your Power
Be Energy Efficient!

June 14, 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 # 5.03.1-004760

Subject: USI NCR No. 28: Discrepancies Found in the Radiographic Film for the Tendon Anchorage Assemblies

Dear Mr. Skoro,
Attention: Paul Hegarty,

This Non-Conformance Report (NCR) is issued by the State to KFM as a result of your subcontractor, USI, for the following reason:

1. Radiographic films for Tendon Anchorage Assembly PB-203 wj-1 (P203g to P203b) and PB-202 wj-59 (P202b to P198d) has the Image Quality Indicator (IQI) for the thicker section (20) out of position and in the weld zone, obscuring the area of interest.
2. The piece identifications on Radiographic Test Report #SF007 do not match the correct information as it appears on the radiographic film and actual pieces for assembly PC-199 wj-22, PA-199 wj-44, PB-200 wj-54, PC-200 wj-33 and PA-200 wj-43. The lead letter information on the film corresponds to the actual pieces, however, the report contains different information.

This NCR will be tracked as USI NCR No. 28. USI was verbally notified of this NCR by Caltrans' METS on 06/08/04. Please review and address how you plan to resolve this NCR and bring your work back into compliance with our contract.

Should you have any questions, please contact David Wu at (510) 622-5104.

Sincerely,

David Wu

David Wu
Senior Bridge Engineer

For: Mr. Douglas Coe
Resident Engineer

cc: D. Coe, I. Khinsann, V. Iyer, D. Wu, S. Abbas, B. Chew, H. El-Natur, P. Lowry, I. Kwong

file: 5.03.1, 9.07.8

International Inspection

COPY

Specialists in Nondestructive Examination

LOS ANGELES (562) 944-3166 PORTLAND (503) 283-2668 SEATTLE (206) 766-8180

RADIOGRAPHIC TEST REPORT

CLIENT UST
PROJECT SFOBB
04-012024
JOB DESCRIPTION 16mm to 40mm Butt Weld

REPORT# SF-009
DATE 6-20-04
PAGE 1 OF 1
P.O.# ____ JOB# 23932
PROCEDURE II-12-4003 Rev 4
ACCEPTANCE STD. AWS D1.5 96
SPECIFICATION Tension

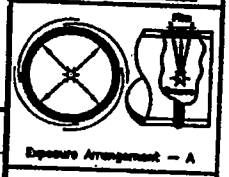
IDENTIFICATION	VIEW	ACCEPT	REJECT	CRACK	INC. PEN.	INC. FUSION	POROSITY	INCLUSION	UNDERCUT	OTHER	REMARKS
PB202 P202B to P198A											
W-59 ASSM PB 203	A-B	X									FA on L Edges
P196 to P203D											
W3 ASSM PC 200	A-B	X									15
P199G to P205K											
W33 ASSM PC 199	A-B	X									68
P198D to P199F											
W34R1 ASSM PB 204	A-B	X									R
W35	A-B	X									2 FA 041 of AC
ASSM PC 204 W37	A-B	X									18
ASSM PB 204 W62	A-B	X									2

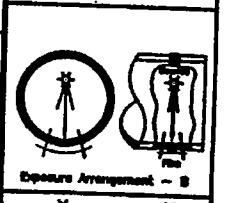
RADIOGRAPHIC TECHNIQUE

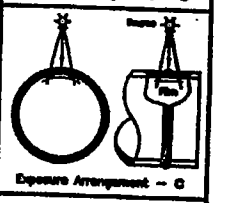
X-RAY/GAMMA	
K.V./SOURCE	Ir 192
F-SPOT/SIZE	.154
F.F.D./S.F.D.	20
M.A.S./Ci Min.	88
I.Q.I TYPE	15/20
FILM SIDE / (SOURCE SIDE)	
I.Q.I SHIMS	N/A
MATERIAL	C/S
NOMINAL I.D.	N/A
W.T./SCH	16mm to 40mm
FILM TYPE	Kodak AA
(SINGLE)/DOUBLE LOAD	
(SINGLE)/DOUBLE VIEWED	
MINIMUM SOURCE TO OBJECT DISTANCE	19 3/8
MAXIMUM DISTANCE FROM SOURCE SIDE OF OBJECT TO FILM	5/8"
FRONT/BACK SCREEN	005/010
APPLICABLE ARRANGEMENT	H

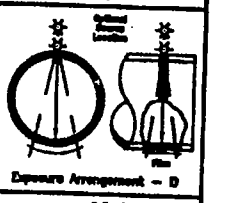
DEFECT CODE
1 SMALL
2 MODERATE
3 LARGE
4 EXCESSIVE

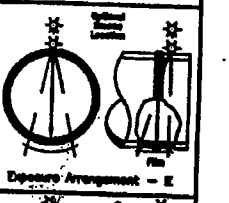
FILM SIZE	QUANTITY
7X17	7

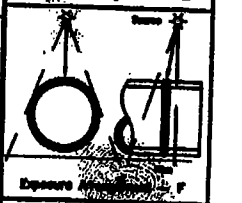


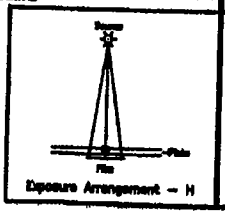


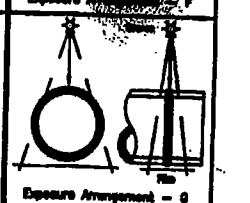












WE HEREBY CERTIFY THAT THE ABOVE MATERIAL WAS EXAMINED IN ACCORDANCE WITH THE SPECIFIED REQUIREMENTS, AND THAT THE RESULTS INDICATED ARE THE ACCURATE INTERPRETATION OF THE UNDERSIGNED INSPECTOR TO THE BEST OF HIS/HER KNOWLEDGE, ABILITY AND INTEGRITY.

Robert M. Mallon

FILM INTERPRETER _____ SNT-TC-1A LEVEL II

CLIENT/MANUFACTURE'S REP. _____ DATE _____

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RADIOGRAPHIC TEST REPORT

REPORT# SF007

CLIENT UST

DATE 5-23-04 PAGE 1 OF 3

PROJECT SF OBB *04-012024

P.O.# 26562 JOB# 23932

PROCEDURE II-12-4003

JOB DESCRIPTION 16mm to 40mm Butt Welds

ACCEPTANCE STD. AWS D1.5 96

SPECIFICATION Tension

IDENTIFICATION	VIEW	ACCEPT	REJECT	CRACK	INC. PEN.	INC. FUSION	POROSITY	INCLUSION	UNDERCUT	OTHER	REMARKS
ASSM PA202											
P1980 TO P2020											
W49R1	A-B	X									FA out of area W=077
ASSM PB198											
PB1980 TO P198F											
W57R1	A-B	X									W=0 18 4.5x17
PB201											
WJ56	A-B	X									W=0 15 FA out of area
PC201											
WJ48	A-B	X									W=0 15
PA201											
WJ31	A-B	X									W=0 16 FA out of area
ASSM PC202											
P1980 to P202C	A-B	X									
WJ35											W=0 13/16
ASSM PC202											
P202F to 1980											
WJ30	A-B	X									W=0 L/18
PC199											
P199C ~~P199B~~ to P1980											
WJ22	A-B	X									W=0 13

RADIOGRAPHIC TECHNIQUE

X-RAY/GAMMA

K.V./SOURCE Ir 192

F-SPOT/SIZE .152

F.F.D./S.F.D. 20"

M.A.S./Ci Min. 162

I.Q.I TYPE ASTM 15/20

FILM SIDE / (SOURCE SIDE)

I.Q.I SHIMS N/A

MATERIAL C/S

NOMINAL I.D. N/A

W.T./SCH 16mm to 40mm

FILM TYPE AGFA D5

(SINGLE) / DOUBLE LOAD

(SINGLE) / DOUBLE VIEWED

MINIMUM SOURCE TO OBJECT DISTANCE 19.500"

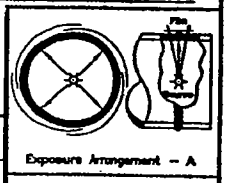
MAXIMUM DISTANCE FROM SOURCE SIDE OF OBJECT TO FILM .500

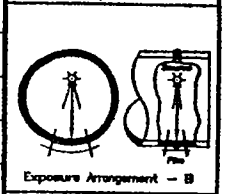
FRONT/BACK SCREEN .005/.010

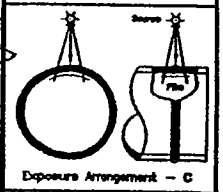
APPLICABLE ARRANGEMENT H

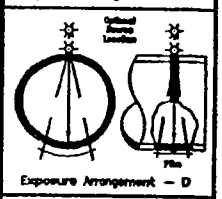
DEFECT CODE
1 SMALL
2 MODERATE
3 LARGE
4 EXCESSIVE

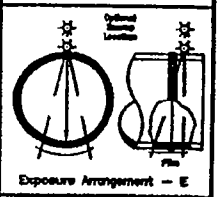
FILM SIZE	QUANTITY
4.5x17	
7x17	7

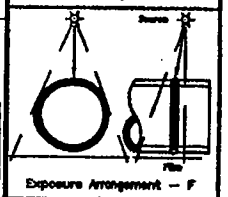


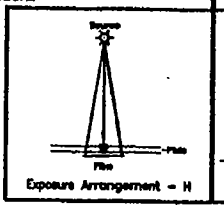


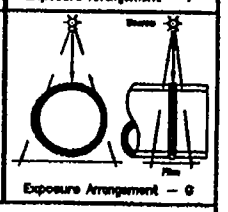












WE HEREBY CERTIFY THAT THE ABOVE MATERIAL WAS EXAMINED IN ACCORDANCE WITH THE SPECIFIED REQUIREMENTS, AND THAT THE RESULTS INDICATED ARE THE ACCURATE INTERPRETATION OF THE UNDERSIGNED INSPECTOR TO THE BEST OF HIS/HER KNOWLEDGE, ABILITY AND INTEGRITY.

Robert M. McBean

FILM INTERPRETER _____ SNT-TC-1A LEVEL II

CLIENT/MANUFACTURE'S REP. _____ DATE 5/23/04

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RADIOGRAPHIC TEST REPORT

CLIENT USE
PROJECT SFOBB 04-012024
JOB DESCRIPTION 16mm to 40mm BuH Welds

DATE 5-23-04
P.O.# 26562
PROCEDURE II-12-4003
ACCEPTANCE STD. AWS D1.5 96
SPECIFICATION Tension

REPORT# SF007
PAGE 2 OF 3
JOB# 23932

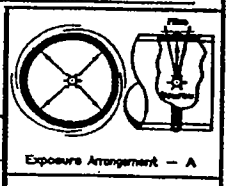
IDENTIFICATION	VIEW	ACCEPT	REJECT	CRACK	INC. PEN.	INC. FUSION	POROSITY	INCLUSION	UNDERCUT	OTHER	REMARKS
ASSM PA199 PB199 P199D P199D to P199E											
WJ56	A-B	X									WID R FA out of acc.
ASSM PA199 P199A to P199D											
WJ37	A-B	X									WID IS-
ASSM PA199 P199D to P199G											
WJ44	A-B	X									WID IS FA out of acc.
PB199 ASSM P199E to P199G											
WJ53	A-B	X									WID R
ASSM PB200 P200b to P199F											
WJ54	A-B	X									WID CS
ASSM PA199 ASSM PC199 P199F TO P199G											
WJ29	A-B	X									WID R FA out of acc

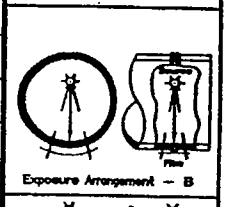
RADIOGRAPHIC TECHNIQUE

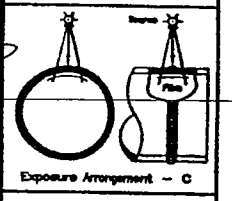
X-RAY/GAMMA	
K.V./SOURCE	Ir 192
F-SPOT/SIZE	.152
F.F.D./S.F.D.	20
M.A.S./Ci Min.	162
I.Q.I TYPE	ASTM 15/20
FILM SIDE / (SOURCE SIDE) I.Q.I SHIMS	N/A
MATERIAL	C/S
NOMINAL I.D.	N/A
W.T./SCH	16mm to 40mm
FILM TYPE	AGFA D5
(SINGLE)/DOUBLE LOAD	
(SINGLE)/DOUBLE VIEWED	
MINIMUM SOURCE TO OBJECT DISTANCE	19.500
MAXIMUM DISTANCE FROM SOURCE SIDE OF OBJECT TO FILM	.500
FRONT/BACK SCREEN	005/010
APPLICABLE ARRANGEMENT	H

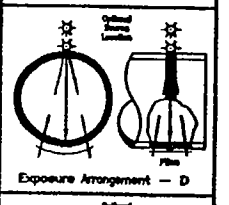
DEFECT CODE
1 SMALL
2 MODERATE
3 LARGE
4 EXCESSIVE

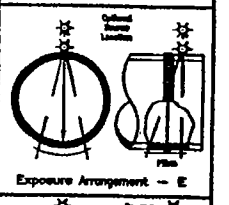
FILM SIZE	QUANTITY
7x17	6

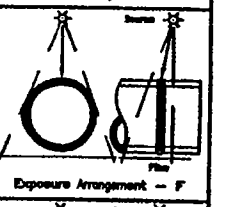


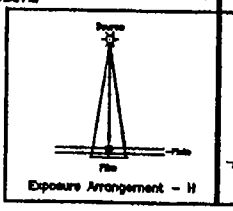


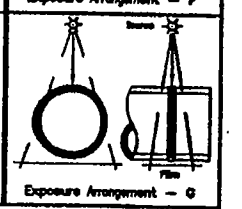












WE HEREBY CERTIFY THAT THE ABOVE MATERIAL WAS EXAMINED IN ACCORDANCE WITH THE SPECIFIED REQUIREMENTS, AND THAT THE RESULTS INDICATED ARE THE ACCURATE INTERPRETATION OF THE UNDERSIGNED INSPECTOR TO THE BEST OF HIS/HER KNOWLEDGE, ABILITY AND INTEGRITY.

Robert M. McCoy

FILM INTERPRETER _____ SNT-TC-1A LEVEL II

CLIENT/MANUFACTURE'S REP. _____ DATE 5/23/04

International Inspection

Specialists in Nondestructive Examination

LOS ANGELES (562) 944-3166 PORTLAND (503) 283-2668 SEATTLE (206) 766-8180

RADIOGRAPHIC TEST REPORT

REPORT# SF007

CLIENT UST

DATE 5-23-04 PAGE 3 OF 3

PROJECT SFOBB 04-012024

P.O.# 26562 JOB# 23932

PROCEDURE II-12-4003

JOB DESCRIPTION 16mm to 40mm Butt Welds

ACCEPTANCE STD. AWS D1.5 96

SPECIFICATION Tension

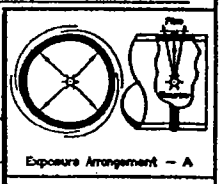
IDENTIFICATION	VIEW	ACCEPT	REJECT	CRACK	INC. PEN.	INC. FUSION	POROSITY	INCLUSION	UNDERCUT	OTHER	REMARKS
ASSM PC200											
P199A to P200C P200C											
WJ33	A-B	X									WID 68
ASSM PA200											
P200B P200A TO P199B											
WJ43	A-B	X									WID R FA outside
PC199 ASSM											
P198A to P198E											
WJ34	A-B		X				4				WID R EASE
PA199 ASSM											
P198D TO P199D											
WJ50	A-B	X									WID 15 FA out of spec
ASSM PB199											
P199B TO P198D											
WJ60	A-B	X									WID 15

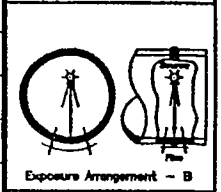
RADIOGRAPHIC TECHNIQUE

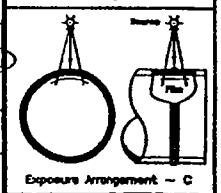
X-RAY/GAMMA	
K.V./SOURCE	Ir 192
F-SPOT/SIZE	.152
F.F.D./S.F.D.	20"
M.A.S./Ci Min.	16 Z
I.Q.I TYPE	ASTM 15/20
FILM SIDE / ~~SOURCE SIDE~~	
I.Q.I SHIMS	N/A
MATERIAL	C/S
NOMINAL I.D.	N/A
W.T./SCH	16mm to 40mm
FILM TYPE	AGFA D5
~~SINGLE~~/DOUBLE LOAD	
SINGLE/~~DOUBLE~~ VIEWED	
MINIMUM SOURCE TO OBJECT DISTANCE	19.500
MAXIMUM DISTANCE FROM SOURCE SIDE OF OBJECT TO FILM	.500
FRONT/BACK SCREEN	005/.010
APPLICABLE ARRANGEMENT	H

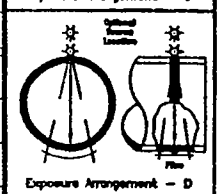
DEFECT CODE
1 SMALL
2 MODERATE
3 LARGE
4 EXCESSIVE

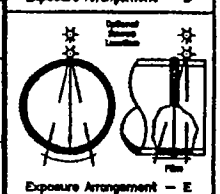
FILM SIZE	QUANTITY
7x17	5

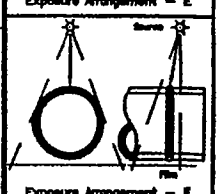


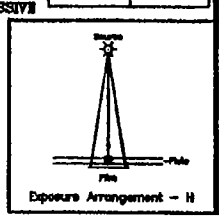


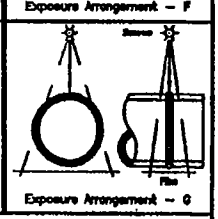












WE HEREBY CERTIFY THAT THE ABOVE MATERIAL WAS EXAMINED IN ACCORDANCE WITH THE SPECIFIED REQUIREMENTS, AND THAT THE RESULTS INDICATED ARE THE ACCURATE INTERPRETATION OF THE UNDERSIGNED INSPECTOR TO THE BEST OF HIS/HER KNOWLEDGE, ABILITY AND INTEGRITY.

Robert M. McAbee

FILM INTERPRETER _____ SNT-TC-1A LEVEL II

CLIENT/MANUFACTURE'S REP. _____ DATE 5/23/04

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

Flex Your Power
Be Energy Efficient!

December 21, 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 # 5.03.1-006410

Subject: Response to KFM-SUB-003288R00: USI (KFM NCR #42, METS NCR #28) NCR Response to State Letter #4760

Dear Mr. Skoro,
Attention: Mr. Rich Bienek,

The Engineer has reviewed KFM-SUB-003288R00: USI (KFM NCR #42, METS NCR #28) NCR Response to State Letter #4760. The Engineer agrees the Contractor has sufficiently addressed this NCR. As a result, USI NCR No. 28 is resolved.

Should you have any questions, please contact David Wu at (510) 622-5104 or Patrick Lowry at (858) 344-2712.

Sincerely,

<<< ORIGINAL SIGNED >>>

David Wu
Senior Bridge Engineer

For: Mr. Douglas Coe
Resident Engineer

cc: D. Coe, I. Khinsann, V. Iyer, D. Wu, S. Abbas, B. Chew, H. El-Natur, P. Lowry, I. Kwong

file: 5.03.1, 9.06.8