

**DEPARTMENT OF TRANSPORTATION - District 4 Toll Bridge Program**

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

Attn: Mr. Christopher Villa  
Deputy Project Director

December 6, 2004

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

Letter No. 05.003.01-000341

Subject: Response to KFM Letter No. 64 (OIW and USI Request for CCO; UT of PJP Welds)

Dear Christopher,

The Department has reviewed Kiewit-FCI-Manson (KFM) Letter No. 64, OIW and USI request for CCO; UT of PJP Welds, dated November 22, 2004, which requested a Contract Change Order (CCO) for the ultrasonic testing (UT) of partial joint penetration (PJP) welds. KFM Letter No. 64 also included the report by NDE Professionals, Inc. (NPI), Ultrasonic Testing of PJP Joints for Depth of Penetration - An Evaluation.

Regarding the requests by Universal Structural, Inc. (USI) and Oregon Iron Works (OIW) for a CCO, as stated in the Department's Letters No. 298, dated November 12, 2004, and No. 326, dated November 30, 2004, there will be no CCO issued for UT of PJP welds. Section 10-1.31 of the Special Provisions clearly requires that UT be performed to verify the specified weld size and to evaluate the accessible weld volume.

The Department has also reviewed the NPI report which was included with KFM Letter No. 64 and has determined that based on the data and results in this report, the "A-scan" procedure developed by OIW to UT PJP welds is effective in verifying the specified weld size. Per the discussion of December 1, 2004 with representatives of KFM, OIW, USI and Thompson Metal Fab, Inc., the Department is willing to consider alternatives that may expedite the UT of PJP welds.

If you have any questions or require additional information, please contact this office.

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Kiewit-FCI-Manson  
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Sincerely,

**<<< ORIGINAL SIGNED >>>**

Pedro J. Sanchez  
Resident Engineer

cc: R. Morrow  
P. Sanchez  
N. Locke  
M. Vilcheck

file: 05.003.01, 09.003, 62.001.01