

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

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

May 10, 2006

Attn: Mr. Christopher Villa  
Deputy Project Director

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

Letter No. 05.003.01-001138

Subject: Response to Letter No. 148 (Pier T1 CIDH Construction - Differing Site Condition Documentation)

Dear Christopher,

The Department has reviewed Kiewit-FCI-Manson (KFM) Letter No. 148 dated April 5, 2006, which provided calculations, and associated documentation pertaining to KFM's notification that soil conditions below the temporary steel casing (TSC) tip elevation of -25 m at CIDH pile location No. 1, differ materially from those indicated in the contract.

Pursuant to Section 5-1.116, "Differing Site Conditions," of the Standard Specifications, the Department conducted an investigation of the soils conditions at the site. The Department's investigation included, but was not limited to, analysis of the rock cuttings, continuous observation of the drilling operation at Pier T1, analysis of Contractor's calculation and associated documents, and a review of the log of test borings for boreholes 98-02, 98-21, 98-22, and 98-24, which were provided in the Project Plans. The Department has determined that the rock cuttings collected during drilling operations of the oversized hole at CIDH pile location No. 1, as shown in Table 2 attached, are consistent with the rock types displayed in the Contract Documents. The calculations and associated documentation submitted in KFM Letter No. 148 show that the lower range of capacities presented by the Contractor's geotechnical engineers appears to be close to the demand levels at the site and does not include a factor of safety, nor do they account for any impact or vibration loads during the drilling operation.

Based on the results of the Department's investigation, there is no evidence demonstrating a different site condition below the tip of the TSC at elevation -25 m at CIDH pile location #1 as stated in KFM Letter No. 148.

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

Sincerely,

Pedro J. Sanchez  
Resident Engineer

Attachment: Table 2 – Description of Cuttings from Outflow from Pile #1 (2 pages)

cc: R. Morrow  
P. Sanchez  
M. Woods  
M. Vilcheck  
S. Mohan  
V. Khata-O-Khotan  
S. Soheilifard

file: 05.003.01, 62.000