



RFI/FIELD DESIGN CHANGE/DESIGN DIRECTIVE

RFI Number (from Walsh): RFI-00059 Date: 07/01/2011

Part I: Identify Request

Requested by: Joel Halterman Phone: (216)452-5900

Drawing Package Title: DEL-1380

RFC Date of Drawings: 05/06/2011

Stationing: _____ (show nearest 500')

Description of Change: Reference attached documents:
Pier 5 LT Drive Logs, Pier 5 RT Drive Logs, Pier 5 Drive Summary, Pier 5 RT
APPLE Test Results, Pier 5 LT PDA Results, Pier 5 RT PDA Results.

Summary:
PDA results on Pier 5 left pile group indicated piles are acceptable as driven. However, PDA results and subsequent APPLE load testing on the right pile group did not verify 1.5 times the factored axial load. Please see the attached GRL PDA and APPLE test results. Drive logs do indicate a rapid increase in the blow count over the last several inches of driving.

Are the piles in the Pier 5 right group acceptable as driven?

Requested Change: If piles are not acceptable, please provide alternate solutions.

Attachments Sent No
to Design: Yes List:



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Part II: Response

Response: Based on the pile drive logs, PDA test results, and pile tip elevations we are in agreement with GRL that the test pile (2-29) as well as the other piles in the Pier 5 Right pile group have been driven to bedrock. It is understood that GRL recommended the APPLE test be performed on the test pile since the approved driving criteria was not met (stroke was less than 11.5 feet). Based on the results of the APPLE test performed on the test pile, the required capacity was not confirmed.

The APPLE test confirmed a nominal capacity of 2400 kips, so the piles in the Pier 5 Right pile group can support a maximum factored load of 1600 kips (2400/1.5).

Based on discussions with Joel Halterman (Walsh) on July 6, 2011, the proposed solution is to drive additional piles in the right pile group to reduce the pile demand below the capacity that was demonstrated during the APPLE test. We are in agreement with this proposed solution.

Revised Plans needed before this change can be Implemented: No Yes List: Need to revise the Unit 2 Foundation Plans for Pier 5.

Plans to be as-built: No Yes List:

Responded by:  Adrian Keller

Date: 7/6/11

Checked by:  Laura Wagner

Attachments for Response: No Yes List:

HNTB Job String: DS 001 DS 004