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Geotechnical Advisory Committee (GAC) Meeting Minutes

August 11, 2021

The Division of Professional Licensure Office
1000 Washington Street - Boston, MA 02118

This was a virtual Microsoft Teams meeting.

Roll Call, by GAC Chair:

Chris Erikson, Chair	<input checked="" type="checkbox"/> present <input type="checkbox"/> absent	Martin Rodick	<input checked="" type="checkbox"/> present <input type="checkbox"/> absent
Scott DiFiore	<input checked="" type="checkbox"/> present <input type="checkbox"/> absent	Jake McManus	<input checked="" type="checkbox"/> present <input type="checkbox"/> absent
John Roma	<input checked="" type="checkbox"/> present <input type="checkbox"/> absent	James Christensen	<input checked="" type="checkbox"/> present <input type="checkbox"/> absent
Michael Oakland Joined @ 11:00 am	<input checked="" type="checkbox"/> present <input type="checkbox"/> absent	William Solberg	<input checked="" type="checkbox"/> present <input type="checkbox"/> absent
Damian Siebert	<input checked="" type="checkbox"/> present <input type="checkbox"/> absent	Rob Anderson	<input checked="" type="checkbox"/> present <input type="checkbox"/> absent

General notes on format of these minutes

- *These minutes represent general points discussed during the meeting. The minutes are **not** intended to be a verbatim account of discussions.*
- *Topics as numbered may\ may not be in the same order as they appear on the meeting agenda.*
- *The meeting agenda is listed as **EXHIBIT A**; others are listed sequentially as addresses during the meeting.*

1. **Review minutes for the GAC July 14, 2021 meeting (EXHIBIT B).**

On a **MOTION** by James Christensen, seconded by Chris Erikson, it was unanimously agreed, by **Roll Call Vote**, to approve the minutes with the following **revision**.

Page 2: Chairman Erikson asked all committee members to read the safety of factor memo distributed by John Roma and be ready to discuss at the next meeting. James Christensen mentioned that he ~~thinks the author is missing the point~~ **has some concerns over interpretation of data.**

Later in the meeting, it was noted that additional corrections to the minutes were necessary. Consequently, On a **MOTION** by Damian Siebert, seconded by Martin Rodick, it was unanimously agreed, by **Roll Call Vote**, to amend the original motion and to approve the minutes by adding the following **revisions**.

Page 2: **Section 1810.3.11, Section 1810.3.12, Section 1810.3.13, and Section 1810.3.14 - Pile Caps, Grade Beams and Seismic Ties, and Spacing.** Following discussion, it was agreed that Scott DiFiore would review the sections with the SAC.



Section 1810.4 – Spacing Installation. Following discussion, on a **MOTION** by Chris Erikson, seconded by Martin Rodick, it was unanimously agreed, by **Roll Call Vote**, to approve the **Section 1810.3.14 4.9 . .**

2. **Discuss proposed amendments and new content of 2021 IBC, Chapter 18, for inclusion in the Tenth Edition of the Massachusetts Building Code (780 CMR).**

Section Review.

- **1810.3.8 – Precast Concrete Piles.**

Scott DiFiore reviewed reasons for the 2 exceptions added to the section by the ICC with the issuance of the 2021 code. Following lengthy discussion, on a **MOTION** by Scott DiFiore, seconded by Chris Erikson, by **Roll Call Vote**, it was unanimously voted to approve the **Section 1810.3.8** as presented in the January, 2021 draft.

Scott indicated that he had spoken with Structural Advisory Committee (SAC) Chair, Dominic Kelly regarding cast-in-place deep foundations as presented in Section 1810.3.9 and reviewed ICC reasons for change as well. However, Scott asked for a bit more time to review the section and report back to committee members during the next meeting. James mentioned that the last paragraph of Section 1810.3.9.5 needs clarification.

- **1810.3.9.6 – Socketed drilled shafts.**

Following a lengthy discussion, on a **MOTION** by Damian Siebert, seconded by James Christensen, it was unanimously agreed, by **Roll Call Vote**, to approve the **Section 1810.3.9.6** with the following **revision** to the last paragraph.

Where a structural steel core is used, the gross cross-sectional area of the core shall not exceed 25 percent of the gross area of the drilled ~~shaft~~**–and suitable confinement shall be provided that extends from the underside of structure to the top of rock. Confinement shall include permanent steel casing conforming to 1810.3.5.3.4 or a reinforcing cage conforming with ACI 318 for composite members.**

- **1810.4 – Installation.**

Following discussion, on a **MOTION** by James Christensen, seconded by Chris Erikson, it was unanimously agreed, by **Roll Call Vote**, to approve the **Section 1810.4** as presented in the January, 2021 draft, with the exception of Section 1810.4.9, pertaining to socketed drilled shafts, which was approved with modification during the July meeting.

The remaining portion of the meeting included a discussion of:

- Updating liquefaction susceptibility figures to reflect regions rather than zones (*James Christensen will update and follow-up with SAC*);
- Samuel Paikowsky's dynamic load testing update memorandum (*John Roma will invite Les Chernauskas and Sam to next meeting*);
- Possible expansion of GAC membership to include Drew Floyd and Les Keller (*John Roma will ask them to forward letter of interest and resume to Chairman Erikson and Rob Anderson for consideration by the BBRS*);

- Remaining tasks (*Chairman Erikson indicated that he will develop a list of final action items for the committee*).

3. **Discuss: Matters not reasonably anticipated 2 business days in advance of meeting.**

None.

4. **Approve: Adjourning the meeting.**

On a **MOTION** by Chris Erikson seconded by James Christensen, **by Roll Call Vote**, it was unanimously agreed to adjourn the meeting @ approximately 12:02 pm.

Exhibits.

- A. Meeting Agenda
- B. July 14, 2021 GAC Draft Meeting Minutes.
- C. International Building Code (IBC), Chapter 18 January Draft (*modified as a **WORD** document for clarity*).
- D. Dynamic Load Testing Update Memorandum from Samuel Paikowsky, Sc.D., dated July 6, 2021.