

**ACI 362A - PARKING STRUCTURES
SUBCOMMITTEE**

**Minutes of Meeting
Cincinnati, OH
October 20, 2019**

LIST OF ATTENDEES

<u>MEMBERS</u>	<u>ASSOCIATE MEMBERS</u>	<u>VISITORS</u>
Jim Donnelly, Chairman Rashid Ahmed, Secretary Erich Martz Brian Pulver Jeff Adams	Larry Church Peter Tarara Matt Hansen Tim Christle	George Taylor Adrienne Larson Ron O’Kane

1.0 CALL TO ORDER / ATTENDANCE

Jim Donnelly called the meeting to order at 1:01 p.m.

2.0 ATTENDANCE AND INTRODUCTIONS

Attendees introduced themselves. The sign-up sheet was passed around. Those in attendance for all or part of the meeting are listed above.

3.0 APPROVAL OF SPRING 2019 MINUTES

Larry Church motioned to accept the meeting minutes, and Rashid Ahmed seconded. Minutes were accepted 6/0/0.

4.0 STATUS OF ACI 362.2 – GUIDE FOR STRUCTURAL MAINTENANCE OF PARKING STRUCTURES

Jim Donnelly is finalizing the responses to TAC and will be sending it to back to TAC.

5.0 STATUS OF ACI 362.1 – GUIDE FOR THE DESIGN AND CONSTRUCTION OF DURABLE CONCRETE PARKING STRUCTURES

TAC has requested more information in order to approve the Standard.

6.0 BARRIER WALL DETAILING TECHNOTE

The subcommittee reviewed the ballot comments received for the Barrier Wall TechNote, and developed possible responses to each significant comment. The proposed responses developed by the subcommittee are summarized below:

- Comment #1, Jacobson, Page 1, Line 1: Propose to move the purpose statement at the beginning of document. Subcommittee agreed.
- Comment #2, Pulver, Page 1, Line 7: Subcommittee agreed to delete the word “guard rail” as it refers to rail instead of wall.

- Comment #11, Iqbal, Page 1, Line 24: Proposed to write the technote in Q/A format. Subcommittee felt that, since document was approved before new guidelines were released, this document may be grandfathered in under the previous format. Committee leadership will check with TAC representative or ACI staff.
- Comment #14, Pulver, Page 1, Line 33: Change the title from “Good Detailing Practices” to “Detailing Considerations”. Subcommittee agreed.
- Comment #15, Iqbal, Page 1, Line 35: Phrase “typical detailing” is ambiguous and not justifiable. Sentence reading “Typical detailing for cast-in-place barrier walls can be found in Figure 2” Should be changed. Subcommittee found this to be non-persuasive.
 - Load distribution – Subcommittee consensus that the load spreads at 45 degrees is reasonable and conservative.
- Comment #47, Surali, Page 3, Line 76: Subcommittee agreed to revise the sentence as: “Use of appropriate concrete mixture and proper consolidation of concrete during placement are critical for highly congested areas”.
- Comment #54, Martz, Page 3, Line 84: Subcommittee agreed to delete the term “such as wayward vehicle in high traffic locations.” The last two sentences will be deleted.
- Comment #55, Wagner, Page 3, Line 84: Resolved per Comment #54 above (Martz, Page 3, Line 84).
- Comment #57, Wagner, Page 3, Line 86: Suggested adding text regarding potential damage from corrosion of electrical system components. Subcommittee recommended finding this comment non-persuasive, as the suggested text is unrelated to the topic of Technote and should be included in the design guide.
- Comment #60, Wagner, Page 3, Line 90: Suggested adding text regarding potential damage due to embedded steel. Subcommittee recommended finding this comment non-persuasive, as the suggested text is unrelated to topic of Technote and should be included in the design guide.
- Comment #69, Brienon, Page 3, Lines 96-100: Subcommittee agreed to accept revisions that if barrier wall is standalone, then the walls need sufficient isolation from columns.
- Comment #73, Wagner, Page 3, Line 110: Subcommittee agreed that the sentence is repetitive and should be deleted.
- Comment #78, Wagner, Page 4, Lines 123 - 127: Subcommittee agreed to replace the three sentences beginning on line 122 with: “ASCE 7-10 section 4.6 indicates that the specified impact loading is based on ordinary impact conditions and does not account for unusual vibration and impact forces.”
- Comment #79, Martz, Page 4, Lines 124-127: Resolved per Comment #78 above (Page 4, Lines 123-127).
- Comment #88, Iqbal, Page 4, Line 147: Subcommittee recommended finding this comment non-persuasive. Comment was that this statement was speculative, saying that FEA or testing MAY justify using a greater width. However, PCI testing of double-tee beam flanges shows that lateral distribution may exceed 60 degrees with one layer of reinforcing in both directions.
- Comment #101, Wagner, Page 5, Lines 211 - 213: Subcommittee agreed that the nomenclature should be revised as suggested to match ACI 318.
- Comment #112, Ahmed, Page 7, Line 286: Suggest using a coefficient of 7.5 instead of 6.0. Subcommittee agreed to discuss this in the main committee.
- Comment #113, Ahmed, Page 7, Line 291: Subcommittee agreed that the reference to ACI eqn. 14.5.2.1a should be removed.
- Surali suggested to add metric unit in parentheses

6.0 SUPPLEMENTAL CEMENTITIOUS MATERIALS TECHNOTE

Larry Church indicated that he sent the updated technote to Jim Donnelly last week. Mr. Donnelly will review the technote to ascertain whether it is ready for balloting.

7.0 PROTECTIVE SURFACE TREATMENTS - MEMBRANE TECHNOTE

Brian Pulver reported that comments on the draft document had been received from the task group and had been incorporated. The committee reviewed the comments and provided the suggestions to Pulver. The document will be ready for balloting shortly after this convention.

8.0 SUBCOMMITTEE/TASK GROUP STATUS UPDATE

Since committee ran out of time, there was no discussion regarding the status of the following task groups; however, they will be discussed in the main committee meeting.

- Mixed Use of Coated/Uncoated Bars
- Expansion Joints
- Snow Chutes (Donnelly)
- Repair of Cracks
- Heavy Loads on Parking Garages

9.0 OTHER BUSINESS

No comments

10.0 NEXT MEETING

Chicago, IL

- Sunday, March 29, 2020 – 1:00 p.m. to 4:00 p.m. (Subcommittee Meeting)

11.0 ADJOURN

A motion to adjourn the meeting was made by Eric Martz, which was seconded by Brian Pulver. Meeting attendees unanimously agreed to adjourn the meeting. Meeting was adjourned at 3:59 p.m.