

# AGENDA

## TAC Construction Standards Committee (TCSC)

Wednesday, March 31, 2021, 10:00 AM – 12:00 PM EDT (UTC-4)  
Online

**1. Call to Order and Introduction of Members and Visitors**

**1.1 Approval of Agenda**

**1.2 Approval of Past Meeting Minutes** - The minutes of the Fall 2020 virtual meeting were approved with editorial corrections by web ballot ending on 3/15/2020.

**1.3 Amendments to the Agenda**

**2. Contractor Liaison Committee**

The ACI Construction Liaison Committee (CLC) is looking for opportunities to help ACI generate documents that provide fair and realistic instructions for contractors. They are hoping to identify ACI committees that are in the early stages of drafting or revising documents that will affect contractors. That would allow the CLC to work with the identified committees before the documents have reached the TAC- and public-review phases. Representatives from CLC have been invited to the meeting to discuss this topic.

**ACTION:** Is there any TCSC action required?

**3. Status of Specification Activities**

**3.1 Updates**

**BACKGROUND:** TCSC members are assigned as liaisons to ACI committees known to be working on a specification. Liaisons are responsible for providing guidance on format and style to the specification writing committee. Liaisons have been given access to the committee’s web site and ballots. In addition, these committees are asked to provide representation to TCSC and are appointed as associate members of TCSC.

<b>Committee</b>	<b>TCSC Liaison*</b>	<b>Committee Representative</b>
117	Jim Cornell (M)	same
301	Jim Cornell (M)	same
305	Jim Cornell (M)	same
306	Michelle Wilson	TBD
308	Aimee Pergalsky (M)	David Suchorski
310	TBD**	none
311	Al Kaufman	Claude Jaycox
327	Michael Sprinkel	Wayne Adaska
330	TBD**	Robert Varner
336	Ed Ulrich (M)	same
350	Jon Ardahl (M)	same
351	Pericles Stivaros	none
423	Carl Larosche	James Rogers

440	Nick Carino	none
506	Ed Ulrich	Charles Hanskat
522	Aimee Pergalsky (AM)	Dale Fisher
548	TBD**	same
563	Michael Sprinkel (M)	same
* (M) denotes member of committee being supported. (AM) denotes associated member of committee being supported. ** Chair Larosche will provide an update from the TAC meeting.		

**ACTION:** TCSC Liaison and Associate Members are asked to report on their respective committees’ activities and discuss any actions required of TCSC. **Attachment 3.1**, ACI Specification Activity, has been updated on March 15, 2021, according to ACI staff records for TCSC reference. Please note that the due dates for specifications reflect a 5-year revision requirement recently approved by TAC.

**ACTION:** New Committee representatives will be selected for Committees 306, 310, 351, and 440.

**ACTION:** Chair Larosche will report on TAC withdrawal of ACI 306.1 due to exceeding the 5-year requirement.

**ACTION:** Tholen will report on transfer of ACI 440.8 spec on wet lay-up FRP Materials to ASTM.

**ACTION:** Are there any action items required based on the specification status reports?

#### 4. Technical Committee Manual (TCM)

##### 4.1 TCM Ballot

**BACKGROUND:** Proposed changes to the TCM should be sent to the Chair(s) of the TCM task group no later than May 2021.

Changes to the 2020 TCM recommended by TCSC were balloted to TAC in a ballot ending 1/31/21. The changes included the addition of text related to warranties and text requiring attendance on specification writing provided by Committee E707. Both ballots passed with only minor editorial revisions.

**ACTION:** TCSC will discuss any additional suggestions for TCM revisions.

#### 5. Requests for new specifications and review of specifications to TAC

**BACKGROUND:** No requests to develop new specifications have been received by TAC. At the February 2021 TAC meeting, revisions to ACI 350.1, “Specification for Tightness Testing of Environmental Engineering Concrete Structures and Commentary,” and ACI 548.10, “Specification for Type MMS (Methyl Methacrylate Slurry) Polymer Overlays for Bridge and Parking Garage Decks,” were reviewed. ACI 350.1 was approved subject to satisfactory response to TAC comments. ACI 548.10 was not approved.

**ACTION:** This item is for information only.

**6. ACI Committee E707**

**BACKGROUND:** At the Fall 2020 meeting, Pergalsky reported that Committee E707 is in need of new members and asked TCSC members to ask the Chairs of the committees they are liaisons with if they could suggest anyone that might be interested in becoming a member of E707. Pergalsky also requested that TCSC members ask their committees what their needs are that E707 could possibly work on. Cornell is working on a presentation on how to effectively ballot specifications in committee. This may make a good recorded presentation that would be helpful to specification writing committees when completed.

**REPORT:** A representative from E707 is asked to report on their meeting.

**ACTION:** Is there any TCSC action required?

**7. New Business**

TCSC will consider new business items as time permits.

**8. Adjournment**

**Attachments:**

3.1 – ACI Specifications Activity

**Attachment 3.1**  
**ACI SPECIFICATIONS ACTIVITY**  
**(Updated March 15, 2021)**

<b>Committee</b>	<b>Specification</b>	<b>Document Number</b>	<b>Status</b>
117 – Tolerances	Specification for Tolerances for Concrete Construction and Materials	117-10 (Reapproved 2015)	Reapproved in 2015. Bob Howell working with committee on revision. Last balloted September 2020. <a href="#">Expires 10/26/2020.</a>
	Specification for Tolerances for Precast Concrete	ITG 7-09	Will become a chapter in the next ACI 117. <a href="#">Expired 11/17/2014.</a>
301 – Specifications for Concrete	Specifications for Structural Concrete	301-20	Published. <a href="#">Expires 8/31/2025.</a>
305 – Hot Weather Concreting	Specification for Hot Weather Concreting	305.1-14 (Reapproved 2020)	Reapproved January 2020 for five years. Committee plans to revise once their guide is finalized. <a href="#">Expires 1/2/2025.</a>
306 – Cold Weather Concreting	Standard Specification for Cold Weather Concreting	306.1-90 (Reapproved 2002)	Per chair on 10/11/2019, committee balloting revision. There has been no balloting since before 2005. <a href="#">Expired 8/1/2007.</a>
308 – Curing Concrete	Specification for Curing Concrete	308.1-11	Last ballot on revision was 9/25/2020. <a href="#">Expired 7/14/2016.</a>
310 – Decorative Concrete	Specification for Polishing Finishes	SPEC-310.1-20	Published. <a href="#">Expires 8/19/2025.</a>
311 – Inspection of Concrete	Specification for Ready-Mixed Concrete Testing Services	311.6-18	<a href="#">Expires 9/5/2023.</a>
	Inspection Services Specification for Cast-in-Place Concrete Construction	311.7-18	<a href="#">Expires 4/24/2023.</a>
327 – Roller-Compacted Concrete Pavements	Specification for Roller-Compacted Concrete Pavements	New SPEC-327.Y	Permission to develop granted spring of 2013. Last balloted 4/5/2018.
330 – Concrete Parking Lots and Site Paving	Specification for Unreinforced Concrete Parking Lots	330.1-14	TAC reapproved fall 2020 for five years. <a href="#">Expires 10/24/2025.</a>
336 – Footings, Mats, and Drilled Piers	Specification for the Construction of Drilled Piers	336.1-01	A revision was RRR'd by TAC at the 2020 spring convention. <a href="#">Expired 12/18/2007.</a>

<b>Committee</b>	<b>Specification</b>	<b>Document Number</b>	<b>Status</b>
350 – Environmental Structures	Specification for Tightness Testing of Environmental Engineering Concrete Containment Structures	350.1-10	TAC approved a revision winter 2021. <a href="#">Expired 2/24/2016.</a>
	Specifications for Environmental Concrete Structures	350.5-12	Per chair 10/7/2019: Specification Subcommittee is revising. Nothing has been sent to headquarters to date. <a href="#">Expired 4/29/2018.</a>
351 – Foundations for Equipment and Machinery	Specification for Installation of Cementitious Grouting between Foundations and Equipment Bases	351.4-14	A revision is being reviewed by TAC during their May 12, 2021 meeting. <a href="#">Expired 2/17/20.</a>
	Specification for Installation of Epoxy Grout between Foundations and Equipment Bases.	351.5-15	A revision is being reviewed by TAC during their May 12, 2021 meeting. <a href="#">Expires 5/8/2020.</a>
423 – Prestressed Concrete	Specification for Unbonded Single-Strand Tendon Materials	423.7-14	A revision was balloted and closed on 8/23/2020. Ten negatives were received. <a href="#">Expired 12/11/2019.</a>
440 – Fiber Reinforced Polymer Reinforcement	Specification for Construction with Fiber-Reinforced Polymer Reinforcing Bars	440.5-08	Revision approved by TAC Fall 2017. A TAC ballot to approve the closure is currently open. <a href="#">Expired 7/8/2013.</a>
	Specification for Carbon and Glass Fiber-Reinforced Polymer Bar Materials for Concrete Reinforcement	440.6-08 (Reapproved 2017)	There was discussion of this specification being moved to ASTM D30.10. It is WK43339. ASTM D30.10. Staff asked chair Gold to confirm but he never responded. Last ballot 12/1/2018. <a href="#">Expires 7/18/22.</a>
	Specification for Carbon and Glass Fiber-Reinforced Polymer (FRP) Materials Made by Wet Layup for External Strengthening of Concrete and Masonry Structures	440.8-13	No activity to date. <a href="#">Expired 2/26/19.</a>
	Externally Bonded Fiber-reinforced Polymer (FRP) Materials Using the Wet Layup Method--Specification	SPEC-440.X	Approved during 2020 spring convention. Currently with the TAC review group who wanted to see the responses when they came in.

<b>Committee</b>	<b>Specification</b>	<b>Document Number</b>	<b>Status</b>
506 – Shotcreting	Specification for Shotcrete	506.2-13 (Reapproved 2018)	Last balloted 3/29/2018. <a href="#">Expires 10/26/23.</a>
	Guide for Specifying Underground Shotcrete	506.5R-09 (Reapproved 2016)	A revision is being reviewed by TAC during their May 12, 2021 meeting. <a href="#">Expires 8/4/21.</a>
522 – Pervious Concrete	Specification for Pervious Concrete Pavement	522.1-20	Published. <a href="#">Expires 11/15/2025.</a>
548 – Polymers and Adhesives in Concrete	Specification for Latex-Modified Concrete Overlays	548.4-11	No recent activity. <a href="#">Expired 5/3/17.</a>
	Specification for Type EM (Epoxy Multi-Layer) Polymer Overlay for Bridge and Parking Garage Decks	548.8-19	<a href="#">Expires 3/29/24.</a>
	Specification for Type ES (Epoxy Slurry) Polymer Overlay for Bridge and Parking Garage Decks	548.9-08	TAC approved summer 2020. The committee has not yet responded to TAC comments. <a href="#">Expired 8/11/13.</a>
	Specification for Type MMS (Methyl Methacrylate Slurry) Polymer Overlays for Bridge and Parking Garage Decks	548.10-10	A revision was balloted and closed on 8/12/2020. <a href="#">Expired 8/12/15.</a>
	Specification for Bonding Hardened Concrete and Steel to Hardened Concrete with an Epoxy Adhesive	548.12-12 (503.1)	Per Chair Reda Taha, this document was incorporated into 548.13-14. <a href="#">Expired 4/9/18.</a>
	Specification for Bonding Fresh Concrete to Hardened Concrete with a Multi-Component Epoxy Adhesive	548.13-14 (503.2)	TAC approved a revision fall 2020. Currently open or public discussion closing 3/31/2021. <a href="#">Expired 10/2/19.</a>
	Epoxy and Aggregate High Friction Surface on Concrete — Specification	SPEC-548.Y (formerly 503.3-10)	TAC approved a revision fall 2019. Response to TAC Comments check currently underway. <a href="#">Expired 10/13/15.</a>
	Standard Specification for Repairing Concrete with Epoxy Mortars	548.14-14 (503.4-92)	No activity. <a href="#">Expired 12/18/19.</a>
	Crack Repair by Epoxy Injection-- Specification	SPEC-548.15-20	A revision was sent to Publishing Services on 6/24/2020. Decision order from Marie was never sent out. After research, she sent it out 3/16/2021. Now ready for manufacturing and distribution. <a href="#">Expires 6/19/2025.</a>

<b>Committee</b>	<b>Specification</b>	<b>Document Number</b>	<b>Status</b>
563 – Specifications for Repair of Structural Concrete in Buildings	Specification for Repair of Existing Structural Concrete	563-18	<a href="#">Expires 8/29/2023.</a>