



Meeting Minutes

347 – Formwork for Concrete

Virtual Meeting - Join Link: <https://global.gotomeeting.com/join/478588829>

Conference Call Info: US: +1 (224) 501-3412 Access Code: 478-588-829

Tuesday, February 11, 2020, 11:00 AM to 12:30 PM (Eastern)

Mission: Develop and report information on formwork for concrete construction.

Goals: 1) Periodically update existing committee documents to reflect current practice and research developments; 2) Develop a design specification for formwork; 3) Develop guidance on formwork pressure when using self-consolidating concrete (SCC); 4) Serve as a resource for ACI Committee 301 on formwork and formed concrete surfaces; 5) Support development and presentation of ACI formwork seminars, webinars, and convention sessions; 6) Encourage research on concrete formwork design, construction, and performance.

In Attendance:

Jeff Jack	RedBuilt	Chair
Nicolaus Coffelt	Aluma Systems	VM
Chris Garcia	Pankow Builders	VM
Andrew Gray	EFCO Corp.	VM
Tim Hayes	Ceco Concrete	VM
Mark Hirschi	Baldrige Associates	VM
Kris Hughes	Baker Concrete Const.	VM
David W. Johnston	North Carolina State Univ. (retired)	VM
Phil Jones	EllisDon	VM
Destry Kenning	Nox-Crete Products Group	VM
Bob Kent	Doka USA	VM
Kevin Koogle	Koogle Engineering, LLC	VM
Yvonne Nelson	Form Services	VM
Doug Peters	Christman Constructors	VM
Jeff Pritchett	Crimson Engineering	VM
Brian Ruegge	Kiewit Engineering	VM
Richard Ryon	RMD Kwikform	VM
Douglas Schoonover	Atlas Construction Supply	VM
James Tkach	Largo Concrete Inc.	VM
Daniel Toon	United Forming Inc	VM
Scott Winch	PERI Formwork Systems	VM
Jennifer Clark	Dun Par Engineered Form Co	AM
Andrew Lloyd	MEVA Formwork Systems	AM
Andy Pearson	EFCO Corp.	AM
Dimitriy Petrov	Titan Formwork Systems	AM
Amerald Simanungkalit	Titan Formwork Systems	AM

Committee Members Absent:

Rick Eder	Ceco Concrete Construction	Secretary
Rodney Adams	Baker Equipment & Materials LTD	VM
Mary Bordner-Tanck	R H Bordner Engineering	VM
Eamonn Connolly	James McHugh Construction Co	VM
James Cornell	J. N. Cornell Assoc.	VM
Brian Golanowski	Universal Forest Products	VM
Supriya Gupte	Accu-Crete	VM
Hector Olivas	Dayton Superior	VM
Eric Peterson	Webcor Builders	VM
Steffen Pippig	MEVA Formwork Systems	VM
Ken Pratt	Swanson Group	VM
Eduardo Rojas	University of Queretaro	VM
Aviad Shapira	Technion/Israel Institute of Tech.	VM
John Simpson	Simpson Engineering LLC	VM
Peri Stivaros	Feld Kaminetzky & Cohen-GEI	VM
Ralph Tulis	Structures Consulting	VM
Thomas West	Barton Malow	VM

1. Call to Order

Chairman Jack called the meeting to order at 11:05am EDT.

2. Announcements**2.1 Meeting and Session details for Spring Convention**

The details for the committee meetings and void form task group meeting were shared. Additionally, everyone was encouraged to attend the session on formwork design that will be moderated by Peri Stivaros and have presenters from several of our committee members. This session will be held on Sunday afternoon 3:30-5:30 PM in the Grand G.

2.2 Ballot Results for Chapters 1, 4, 5, 8

The ballot for chapters 1, 4, 5, and 8 of the Formwork Design Specification closed on February 3rd. We had great participation with 33 members voting and providing comment. All 4 balloted chapters passed. We received just under 200 comments, 28 of which were negatives. All comments are being compiled and organized with the plan that we will as a committee begin to develop response and resolution to these starting at the committee meetings at the Spring Convention.

3. Approval of Minutes

The meeting minutes for the January 7th Virtual Meeting were distributed prior to the meeting. A motion was made by Bob Kent (seconded by Doug Schoonover) to approve the minutes as presented. The motion to approve minutes was voted on and passed unanimously (16 Aff / 0 Neg / 0 Abst).

4. Design Specification for Formwork

Jeff Jack guided the committee through resolution of balloted items on Section 7 of the Specification document. Only selected items were discussed and voted upon. The following table summarizes the action made by the committee response to votes and comments received during balloting.

Comment Number(s)	Class	Ballot as	Motion / Second	Aff / Neg / Abst	
221 (230, 233)	AM-Com	Revisit to correct	Kent / Schoonover	18 / 0 / 0	(Pass)
232	AM-Com	Non-Persuasive	Schoonover / Kent	19 / 0 / 0	(Pass)
235	AM-Com	Persuasive	Johnston / Kent	20 / 0 / 0	(Pass)
252	AC	Persuasive	Johnston / Schoonover	18 / 0 / 0	(Pass)
229	AC	Persuasive	Gray / Kent	18 / 0 / 2	(Pass)

5. Adjournment

The virtual meeting scheduled for March 3rd will be cancelled. The next meeting will be at the Spring Convention in Chicago, IL at the following locations and times:

Saturday, March 28 th	2:00PM-9:00PM	Vienna Room (Rosemont)
Sunday, March 29 th	8:00AM-12:00PM	London Room (Rosemont)
