

MNSEA Minnesota Structural Engineers Association

April 2017-MNSEA MEETING NOTES
Prepared by: Andrew Agosto PE SE

DATE: Tuesday, April 11, 2017

TIME: Breakfast & Registration: 7:00 AM
General Meeting: 7:30 - 8:00 AM
Presentation & Discussion: 8:00 – 9:15 AM

LOCATION: **Marriott Minneapolis West** 952-544-4400 (Hotel information)
9960 Wayzata Blvd.: St. Louis Park, MN 55426

Located north and west of I-394 and Hwy 169 (Previously the Holiday Inn)

www.marriott.com/hotels/travel/mspsp-minneapolis-marriott-west

Please RSVP to: David Oxley via email: doxley@acecmn.org
Or fax to ACEC/MN: 952-593-5552

FORMAT: Breakfast meeting – cost is \$25 for members, \$40 for non-members; \$15 for unemployed members and \$10 for Students & those in YMG.

MEETING AGENDA:

- I. INTRODUCTIONS** - please sign in **Welcome - Doug Woolf - Introductions**
 - No snarky comments to report this morning
 - Check out ASCE/MN Chapter of the SEI's 2017 **AISC T.R. Higgins** lecture titled *Effective Bracing of Flexural Members and Systems in Steel Buildings and Bridges* - Thursday April 20th at 5:30 pm <https://events.r20.constantcontact.com/register/eventReg?oeidk=a07edyjq9wbfd4f89&oseq=&c=df68d710-d2f4-11e3-bf36-d4ae52a2cb52&ch=e11d3dd0-d2f4-11e3-bf5c-d4ae52a2cb52>
 - Also, stay tuned for ICRI MN Chapter Summer Technical Session - May 2nd, 2017
- II. TREASURER'S REPORT / AND ACEC UPDATE** - Dave Oxley
 - Critical Vote Held! ... French Toast or Hash Browns!
 - Result: A **TIE** with roughly half of attendees not voting; a true democracy
 - We still have \$; in about the same position as usual
 - ACEC
 - May 18th Annual Meeting & Awards Presentation (Registration Open!)
<http://business.acecmn.org/events/details/67th-annual-meeting-awards-presentation-1136>
 - The legislature is fumbling along - nothing happening - keep creating ominous bill garbage; good chance of government shutdown June 30th, with a fight all the way there
 - No ACEC specific legislation currently being pursued
 - Contact your legislatures! Tell them to start doing things!
- III. COMMITTEE UPDATES**
 - A. MNSEA Steering Committee:
 - i. May Seminar Announcement – Mustafa Igdelioglu
 - May 9th Seminar and Trade Show “**Post-Tensioned Concrete Structures**” See flyer for info!
 - Registration is OPEN! <http://business.acecmn.org/events/details/mnsea-seminar-tradeshow-1137>
 - Or you could FAX we suppose; it's still a thing (952) 593-5552
 - B. Young Members Group: Eric McElrath
 - May - PT site visit as a nice follow-up to our May seminar, stay tuned!
 - April 25th - UofM Event - “1st year of career” funded by NCSEA grant

April 11, 2017 – continued

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- Would like to turn this into an annual event
 - Need speakers!
- June 3rd - Hearts and Hammers - Please check you mail for
 - Need YMG volunteers!
 - Need sponsorships!



IV. LIAISON UPDATES

A. National Council of Structural Engineers Associations (NCSEA):

- i. National News: Stephanie Young (no updates this month)
- ii. Code Advisory Committee – Wind Engineering: Doug Woolf
- They have decided to create a survey soliciting input for the 2021 Wind Code
 - This is your chance to ~~air your grievances~~ provide constructive feedback
 - Stay tuned for more information!

B. CASE/National: Andy Rauch

I could not write fast enough to keep up with Andy's update so he kindly transcribed himself:

Recent Event

- Held a successful joint meeting with the other ACEC coalitions which included joint roundtable, the ACEC Small Firm Council conference (the topic was HR issues this year), and an address by ACEC Chair Peter Strub along with our regular business and working sessions.

Contracts Committee

- Working toward a 2018 legal review and developing consistency between the contracts.

Guidelines Committee

- Completing update to the Construction Administration Guideline and Specialty Structural Engineer Guideline.
- Continuing to work on Wind and Seismic Design provision guidelines.
- Geotechnical guideline and guideline for AISC Code of Standard Practice are also being planned.

Program and Communication Committee

- Program for Risk Management Seminar is set.
- Save the Date notice for 2017 Risk Management Seminar will go out soon. The seminar is scheduled for August 3 and 4 in Chicago.
- CASE Risk Management Convocation at the Structures Congress is happening this week.
- Stephen Schaeffer will be presenting at the AISC Steel Conference.
- Sessions set for Annual Convention and working on 3 sessions for Fall Conference in Orlando.



10201 Wayzata Boulevard, Suite 240, Minnetonka, MN 55305 952/593-5533



A Coalition of the
American Council of Engineering Companies of Minnesota

Toolkit Committee

- Reviewing Policy Guidelines and Project Manager Training tools.
- Looking at bring out and developing the Ten Foundations of Risk Management as an overall brand for the tools since the foundations are what they are all based upon.

V. OLD BUSINESS:

VI. NEW BUSINESS:

A. MNSEA Executive Committee Vote.

- For President – Mustafa Igdelioglu, Barr Engineering
- For Vice President – Andrew Agosto, Uni-Systems Engineering
- For Secretary – Greg McCool, Erickson Roed & Associates

- All nominees were unopposed
- 1st and 2nd called
- The yay votes had it (no nays for the record)
- No taksies backsies

B. Vote to Disband MNSEA Licensure Committees.

Greg McCool gave brief summary of vote and answered a couple questions. Membership received e-mail message alerting to vote (3/31/17). Stephanie Young sent out e-mail ballot (4/12/17). These messages are attached.

Question:

Should MNSEA stop its attempt to advance Title Act legislation for the foreseeable future, dissolve all SE Licensure-related committees and task forces with its thanks, and issue a public statement announcing this? Answer “no” or “yes.”

Commentary:

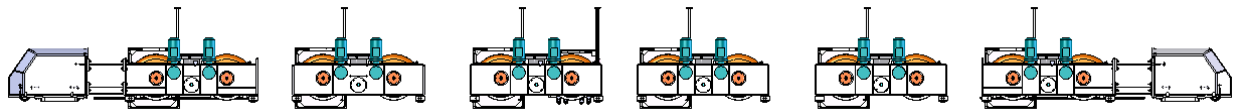
In light of concerns and opposition brought forth over the past few months, the MNSEA Steering Committee and Executive Committee do not believe there is sufficient support at present for a Title Act in Minnesota. Therefore, both committees recommend a vote of “yes” to the question above. If so voted, the Steering Committee will continue to monitor the status of structural engineering licensure nationwide and respond to inquiries regarding it but will not advance legislation.



SEMINAR TOPIC: HOW STUFF WORKS - RETRACTABLE ROOF EDITION

- Greatest presentation of all time? At least one attendee thought so...
 - Yes my wife
 - And it was her first MNSEA meeting so technically worst presentation of all time too
- Bonus: see end of notes for Thermal Expansion Explanation Slides!

We all know what they are and undoubtedly we could probably name one or two. They serve a variety of purposes including climate control, shading, weather protection, field maintenance and venue flexibility. But how do they work? How are they actuated? How are they controlled? How do they affect the stadium structure? Can you ride them like a horse? This seminar answers these questions and many others with a series of pictures, renderings and talking with hands. Come join us to learn more!



Bogie Train Assembly for Mercedes Benz Stadium

Presenter – Andrew Patrick Agosto, P.E., S.E.

Andrew is a Project Engineer for Uni-Systems Engineering, Inc. in Minneapolis and specializes in dynamic structures such as operable walls, retractable stadium roofs, operable sun shades, sports entertainment structures, custom rides and large machines. Andrew earned his bachelor's and master's degrees at the University of Wisconsin - Madison in '05 and '08 respectively. Go Badgers! Andrew is technically a certified weld inspector but you should not assume that he can lay a weld bead that he'd pass. Andrew also loves to write about himself in the 3rd person. Andrew is currently the Secretary of MNSEA and serves on the NCSEA S.E. Licensure Committee. Andrew is a proud Rotarian belonging to the Crystal/New Hope/Robbinsdale Chapter and is poised to ask you for money at any time.

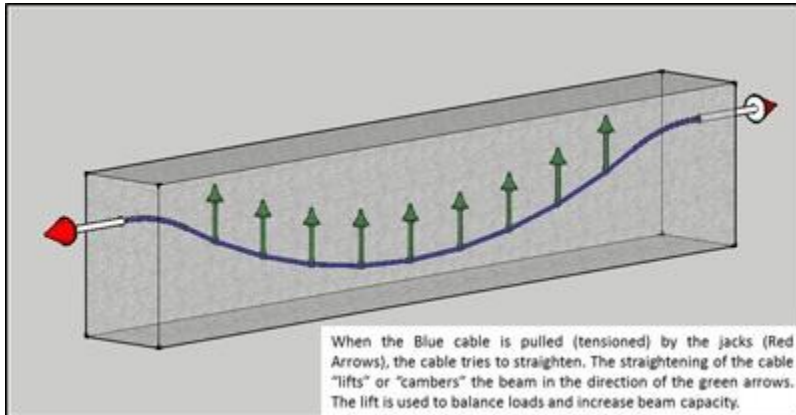




MNSEA

Minnesota Structural Engineers Association

SEMINAR AND TRADE SHOW – MAY 9, 2017 **Post-tensioned Concrete Structures**

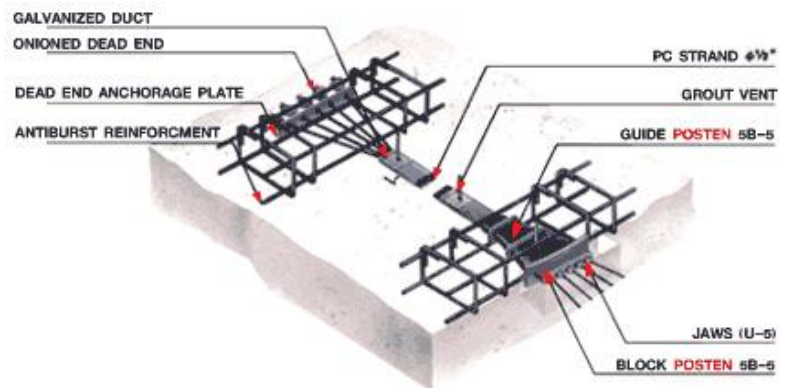


SESSION 1 – POST-TENSIONED CONCRETE Basics and Principles

Post-tensioning is an efficient and economical tool for designing floor slabs and mat foundations. While the use of post-tensioning is widespread throughout the country, many universities do not offer a basic pre-stressed concrete course. This means many engineers learn on the job, often by simply operating analysis software. The session will cover the basic principles of post-tensioned concrete and illustrate how the proper use of post-tensioning can reduce the slab thickness, beam depth and rebar in a structural floor systems and mat foundations.

SESSION 2 - POST-TENSIONED CONCRETE Common Structural Applications and Advantages

Post-tensioned concrete is typically used in two way slabs, one way slab and beams and mat foundations. The session will provide guidelines and tips for designing efficient post-tensioned systems while also highlighting areas to look out for that may indicate your design should be re-evaluated.



SESSION 3 - POST-TENSIONED CONCRETE Best Practices and Tips for Constructability

The performance and aesthetics of a post-tensioned floor system are highly dependent on the wall-to-slab detailing, layout of lateral system and construction accuracy. Slip or release details between the slab and walls will be discussed with photographs illustrating the results if these details are poorly engineered or constructed. The impact of the lateral system and shaft walls on building cracking will also be covered in conjunction with common construction issues that should be avoided.

BRYAN ALLRED, SE

Bryan Allred is the Vice-President of Seneca Structural Engineering and a licensed structural engineer who specializes in the design of reinforced concrete buildings utilizing post-tensioned floor systems. He is the co-author of the book "Post-Tensioned Concrete Principles and Practice" which covers the design of post-tensioned concrete structure from fundamentals to specific construction design and detailing. Bryan is a fellow of the Post-Tensioning Institute (PTI), a member of their Building Design and Education Committee and has given numerous PTI educational seminars across the country highlighting the use and benefits of post-tensioning.

The seminar will provide 3.0 PDH credits. Certificates will be distributed at the end of the seminar.

TRADE SHOW

Suppliers from many areas of the construction industry ranging from fabricators to providers of design tools will be available to update us on products and services. Suppliers will be happy to answer your questions and provide solutions for your every-day challenges.

AGENDA: MNSEA MAY SEMINAR TRADE SHOW

7:00 a.m.	Registration, Start of Trade Show, Breakfast	10:00 a.m.	Session 2
7:45 a.m.	MNSEA General Meeting	11:00 a.m.	Trade Show Wrap-up, Snacks
8:15 a.m.	Trade Show Introductions	11:45 a.m.	Session 3
8:30 a.m.	Session 1	12:45 p.m.	Raffle and Prices
9:30 a.m.	Trade Show Break		

LOCATION:

[Marriott Minneapolis West](#) 9960 Wayzata Blvd, MN Minnetonka (952/544-4400)

(Located on the north frontage road of I-394 between Hwy 169 & Hopkins Crossroad – directly across from the ACEC/MN office)

COST:

MNSEA or SEAWI member \$100

General Attendees (non-member) \$150

Student \$40

Includes General Meeting, Breakfast, Morning Seminars, and Trade Show

****for registration refund – 48 hours minimum cancellation required****

Please return this form to Melissa Langowski at the American Council of Engineering Companies of Minnesota by fax 952.593.5552 or e-mail: Melissa@acecmn.org no later than Friday, April 28, 2017. **Space is limited, so register early.** If you have any questions about this seminar, please contact Mustafa B. Igdelioglu with Barr Engineering Co. at 952-832-2709 or e-mail: migdelioglu@barr.com

Name	Firm	email	Registration	Total
_____	_____	_____	\$_____	_____
_____	_____	_____	\$_____	_____
_____	_____	_____	\$_____	_____

Sponsor and Exhibitor space is limited. Please contact Mustafa B. Igdelioglu at 952-832-2709 or e-mail: migdelioglu@barr.com to reserve your space.

Andrew Agosto

From: David Oxley <doxley@acecmn.org>
Sent: Friday, March 31, 2017 9:58 AM
To: Andrew Agosto
Subject: MNSEA Members: Title Act Vote

To All MNSEA Members:

MNSEA will be holding a vote on April 11, 2017 to determine the future of its pursuit of SE Licensure in the state of Minnesota. All member firms are encouraged to send their voting members to the April 11, 2017 breakfast meeting for a brief presentation and Q&A on the issue, with email balloting to commence later that day. Please note that only those firms who are current on MNSEA dues are eligible to vote. The question to be voted on is: should MNSEA take no further steps to advance Title Act legislation for the foreseeable future, dissolve all SE-related committees and task forces with its thanks, and issue a public statement confirming this?

In light of concerns and opposition brought forth over the past few months, the MNSEA Steering Committee and Executive Committee do not believe there is sufficient support at present for a Title Act in Minnesota. Therefore, both committees recommend a vote of "yes" to the question above. If so voted, the Steering Committee will continue to monitor the status of structural engineering licensure nationwide and respond to inquiries regarding it but will not advance legislation.

Sincerely,



Doug Woolf

Manager, Engineering | Opus AE Group, L.L.C.
10350 Bren Road West | Minnetonka, MN 55343
D: 952.656.4470 | C: 952.201.9795
Doug.Woolf@opus-group.com | www.opus-group.com



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If you have received this communication in error, please immediately notify us by telephone and return the original message to us at the listed email address.
Thank You.

Andrew Agosto

From: Stephanie Young <steph@mattsonmacdonald.com>
Sent: Wednesday, April 12, 2017 9:04 AM
To: Ahmet Senyurekli; Andrew Agosto; Andy Rauch; Barry Whiteaker; Brian Dalton ; Brion Szwed; Carl Nelson ; Carl Schneeman; Cassie McNames; Chad Underwood; Charles Allgood; Chris Kehl; Christian Soltermann; Cory Casperson; Craig Kuske; Curt Isernhagen; Dan Krzmarzick; Darwin Muzzy; Dave Macdonald; Dennis Goodno; Derek Phillips ; Doug Woolf; Greg Duerr; Greg Greenlee; Greg McCool ; Harry Menk; Jake Turgeon; James Krzoska ; Jared Reigstad; Jason Hanlon; Jay Kleven; Jerry Williams ; Joe Contento; John Carroll; John Lewis; John Paul Gille; Kelly Sias; Kerry Rauschendorfer; Keshwar Ramdular; Kevin Clinton ; Kimberly Deibel; Lee Granquist; Lewis Ng; Lowell Wenzel; Lynn Brekke ; Matt Thomas; Mike Sjoblom; Mindy Beringer ; Mukhtar Giader; Mustafa Igdelioglu ; Paul Asp; Quoc Le; Rick Johnson; Ron LaMere; Sam Wilke ; Shane Vilasineekul; Sonny Fite; Stephanie Young; Steve Brekke; Steve Frankosky; Steve Rivard ; Tim Labissoniere; Tom Venema; W. T. McCalla
Subject: SE Licensing

Dear MNSEA Voting Members:

As announced at today's breakfast meeting, MNSEA is holding a vote to determine the future of its pursuit of SE Licensure in Minnesota. You are receiving this email because you are listed as a voting representative of a member firm that is current on dues in accordance with MNSEA bylaws. The question to be voted on is below; simply respond to this email with your answer. Voting will be open until **11:59 PM on Friday, April 21, 2017**. The results will be announced via email soon thereafter. Any questions can be directed to Doug Woolf (Doug.Woolf@opus-group.com) or Greg McCool (gmccool@eraeng.com). Thank you for your assistance.

Question:

Should MNSEA stop its attempt to advance Title Act legislation for the foreseeable future, dissolve all SE Licensure-related committees and task forces with its thanks, and issue a public statement announcing this? Answer "no" or "yes."

Commentary:

In light of concerns and opposition brought forth over the past few months, the MNSEA Steering Committee and Executive Committee do not believe there is sufficient support at present for a Title Act in Minnesota. Therefore, both committees recommend a vote of "yes" to the question above. If so voted, the Steering Committee will continue to monitor the status of structural engineering licensure nationwide and respond to inquiries regarding it but will not advance legislation.

Please reply directly to me with a vote of 'no' or 'yes'. Feel free to also include comments which I will forward to Doug and Greg once the voting is complete.

Thank you for your time -

Stephanie J. Young, P.E. - MN, ND, SD, NE, IN

Mattson Macdonald Young, Inc.
Structural Engineers
901 North Third Street
Suite 100
Minneapolis, MN 55401

Thank You for Attending the MNSEA Meeting

Tuesday, April 11, 2017

HOW STUFF WORKS - RETRACTABLE ROOF EDITION

Presented By: Andrew Patrick Agosto, P.E., S.E.
Uni-Systems Engineering, Inc.



To the best of our knowledge, this educational program meets the requirements of the Board of AELSLAGID for continuing education. MNSEA makes no warranty, directly or indirectly, that this program meets the standard established by the Board of AELSLAGID for continuing education.

Continuing Education – 1.0 Professional Development Hour

A handwritten signature in blue ink, which appears to read "Doug Woolf", is written over a horizontal line.

Doug Woolf, President – MNSEA

MNSEA Meeting Receipt

Breakfast Meeting:

Student & YMG Cost	=	\$10.00	<input type="checkbox"/>
Member Cost	=	\$25.00	<input type="checkbox"/>
Non Member Cost	=	\$40.00	<input type="checkbox"/>
Unemployed Member Cost	=	\$15.00	<input type="checkbox"/>

MNSEA Monthly Meeting - April 11th 2017

Signing in below provides you understand the following antitrust statement:

Discussions during ACEC/MN (incl. MNSEA) meetings should relate solely to the legitimate purposes of the organization.
For a more detailed explanation of this statement, please see the ACEC/MN Antitrust Policy.

Note: Membership is by firm - Contact David Oxley for questions about membership. (doxley@acecmn.org)

Student & YMG Cost	=	\$10.00
Member Cost	=	\$25.00
Non Member Cost	=	\$40.00
Unemployed Member Cost	=	\$15.00

Name	Company	Member (y/n)	E-mail ('same' if it has not changed)	Amount Paid (\$)
Andrew Hovos	duy-strecker eng	Y	-SAME-	25-
Kelly Agosto	Hennepin County	N	kelly.agosto@hennepin.us	\$40
Doug Lepoff	Opus Aff Group	Y	-same-	25-
STEPHANIE YOUNG	MMY	Y	SAME	\$25-
MUSTATA B. IGDELLOU	BAR ENGINEERING CO.	Y	SAME	\$25.00
SONNY FITE	Target	Y	-	\$25.00
Jake Turbeon	HGA	Y	-	\$25.00
Dan Krmarzick	Uni Systems Engineering	Y	same	\$25.00
DAVE HOPNER	in my	Y	"	25-
Tom Venema	AET	Y	"	\$25.00
JOHN LEWIS	EPUS	Y	"	\$25-
GREENGREENLEE	EPI	Y	"	25-
Joe Cantato	RBZ	Y	"	25-
GREG DUERR	STRUCTURAL DESIGN ASSOC	Y	"	25-
Jim Strehle	Clark Engineering	Y	jstrehle@clark-eng.com	\$10
Steven Sletten	LARSON ENGINEERING	Y	ssletten@larsengr.com	\$10
AUEL CHRISTENSEN	SEH	Y	achristenson@sehinc.com	\$10
Jeff Segar	Braun Inter-tec	Y	SAME	\$25
Charles Allgood	Grand Improvement	Y	"	\$25-
NORR VOGDEN	VOGGEN CONSULTING, LLC	Y	"	\$40
BOB CHILSON	MBS	Y	"	25.00
Justin Saterbak	Opus	Y	Same	\$25.00
Kevin Varquez	MBJ	Y	Same	\$10.
Elizabeth Manning	MBJ	Y	Same	\$10.00
DEAN SMITH	WSB	Y	SAME	\$25.00
OLENA PHILLIPS	SAIE FINANCE	Y	"	\$25-
Kerry Rauschendorfer	KLT	Y	"	\$25.00

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Member Cost	=	\$25.00
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Unemployed Member Cost	=	\$15.00

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