

MNSEA Minnesota Structural Engineers Association

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

DATE: Tuesday, March 14, 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/mssps-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**

- Mr. Mike Lederle announced that this will be his last meeting as he is moving on to Michigan and will quote, “finally be done with Doug”.
- Next meeting, April 11th, we will be voting for next year’s officers, current nominees are:
 - President: Mustafa Igdelioglu (or ‘Smith’ if Doug is pronouncing it)
 - Vice-President: Andrew Agosto (that’s me!)
 - Secretary: Greg McCool (name speaks for itself)
- May 9th Seminar and Trade Show **“Post-Tensioned Concrete Structures”** See flyer for info!

II. TREASURER’S REPORT / AND ACEC UPDATE - Dave Oxley

- “You have money”
- “The legislature is not doing anything”

III. COMMITTEE UPDATES

A. MNSEA Steering Committee:

- i. SE Licensing Update – Greg McCool
- In light of concerns raised by the Minnesota engineering community at large, we do not believe there is sufficient support at present for a Title Act and are suspending efforts indefinitely. The steering committee will continue to monitor SE licensure and answer questions.

B. Young Members Group: Eric McElrath

- i. Upcoming events.
- March 22nd - Webinar @ HGA - “Rules of Thumb in Design of Steel” - flyers out today
- April 5th - LeJeune Steel Tour
- May - PT site visit as a nice follow-up to our May seminar, stay tuned!

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- ii. NCSEA Grant Update.
 - April 25th - UofM Event - “1st year of career” funded by NCSEA grant
 - Would like to turn this into an annual event
 - Need speakers!
- iii. Hearts and Hammers Update.
 - June 3rd - Hearts and Hammers - Please check you mail for
 - Need YMGA 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 (no updates this month)~~
- B. CASE/National: Andy Rauch (no updates this month)

V. OLD BUSINESS:

VI. NEW BUSINESS:



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



A Coalition of the
American Council of Engineering Companies of Minnesota

SEMINAR TOPIC: ENGINEERING ETHICS

Engineering is an important and learned profession. As members of this profession, engineers are expected to exhibit the highest standards of honesty and integrity. Engineering has a direct and vital impact on the quality of life for all people. Accordingly, the services provided by engineers require honesty, impartiality, fairness, and equity, and must be dedicated to the protection of the public health, safety and welfare. Engineers are faced with different situations on a daily basis while practicing engineering. This presentation will provide moral and ethical guidance to engineers in their decision making process. Most importantly, it will provide engineers with insight on how to respect and protect their profession with utmost professionalism.

Learning Objectives:

1. Understand Architects and Engineers rules of professional conduct under Minnesota Rule 1805.
2. Understand how to identify potential conflicts of interest and how to handle them.
3. Understand the rules regarding gifts and client entertainment.
4. Understand the educational recordkeeping requirements.
5. Understand the rulings of the Licensing Board Complaints Committee as they relate to ethical issues.

Presenter – Jeffrey W. Coleman, P.E., FACI, The Coleman Law Firm, LLC

Attorney Jeffrey W. Coleman, P.E., FACI, focuses his practice on construction law, professional liability defense, concrete construction, and general business law, including insurance and coverage. A licensed structural engineer with more than 25 years of experience as a practicing attorney, Coleman provides clients with a single go-to resource for both legal and risk management issues. He has represented design professionals in all matters of their business, including defense of multi-million dollar design defect and negligent construction administration claims. Nationally known for his knowledge and experience in the area of concrete construction, Coleman is the author of “Legal Issues in Concrete Construction,” and is the only attorney ever to be named a Fellow of the American Concrete Institute (FACI).

Coleman received a bachelor’s degree in civil engineering and a master’s degree in structural engineering from Iowa State University and is a cum laude graduate of the William Mitchell College of Law.

He currently serves on the Board of Directors of the American Concrete Institute and the American Council of Civil Engineering Companies (ACEC) Minnesota, and was the 2013 President of the Minnesota Concrete Council.



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Thank You for Attending the MNSEA Meeting

Tuesday, March 14, 2017

Engineering Ethics

Presented By: Jeffrey W. Coleman, P.E., FACI
The Coleman Law Firm, LLC



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 dark ink, appearing 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 - March 14th 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

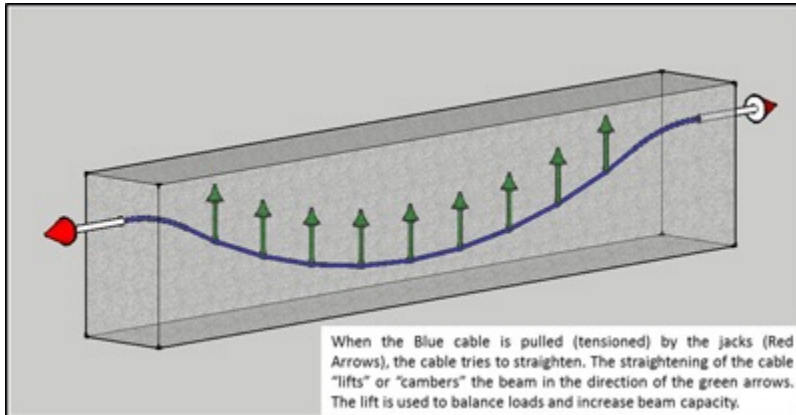
Name	Company	Member (y/n)	E-mail ('same' if it has not changed)	Amount Paid (\$)
Doug Wierf	Opus AE Group	Y	'same'	\$25.00
Andrew Agosto	UHL-ENGINEERS	Y	'same'	\$25.00
Mustafa B. Igdeliglu	Barr Engineering Co	Y	some	\$25.00
JEFF COLEMAN	THE COLMAN LAND FIRM	N	jeff@colmanland.com	\$25.00
NOEL VOGELN	VOGELN CONSULTANTS	N	SAME	\$40
DENNIS GOODMAN	PAULSON & CLARK	Y	SAME	\$25.00
Troy Crook	RRC	N	SAME	\$40.00
GREG DYER	STRUCTURAL DESIGN ASSOC	Y	same	\$25.00
Dennis Neumann	H R Green	N	same	40.00
Richard Kirchner	BHAM	Y	same	10.00
DEAN SMITH	WSB	Y	SAME	\$25
Dave Galey		N	same	\$40.00
DENEL PHILLIPS	SAFE HAVEN SE	Y	-	\$25.00
MIKE VEDERUE	QFUS	Y	SAME	25.00
JOHN LEWIS	" "	Y	" "	25.00
Joanna Campbell	MMY	Y	same	\$25.00
Justin Saterbak	Opus AE	Y	same	\$25.00
RYAN MENTER	AET	Y	RMENTER@AMENG-TEST.COM	\$40.00
JAKE TURBON	HGA	Y		25.00
Wayne Linderman	Structural Design Assoc.	Y	W.Linderman@SDAeng.com	25-
DARWIN MURRAY	WACKER	Y		25.00
RONALD WILLIAMS	Lenco Steel	Y	same	25.00
Ethan Bell	Wenzel Engineering	Y	same	25.00
Kary Cwikla	WENZEL ENG.	Y	same	25.00
Jeff Sagar	Braun Interfec	Y	same	25.00
Ken Green	MMY	Y	same	25.00
STEPHANIE YOUNG	MMY	Y	SAME	25.00



MNSEA

Minnesota Structural Engineers Association

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

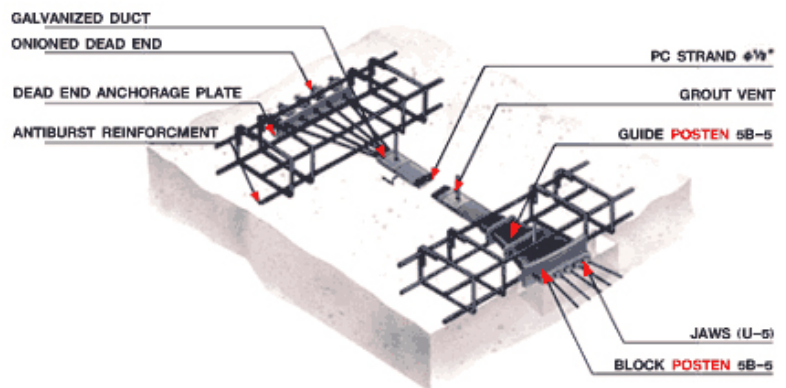


SESSION 1 – POST-TENSIONED CONCRETE Basics and Principles

Post-tensioned slabs are an efficient and economical tool in designing floor slabs and mat foundations. While the use of post-tensioning is wide spread throughout the country, many universities do not offer a basic pre-stressed concrete course requiring most engineers to learn on the job or simply learn how to operate the 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 is 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.