Annual Meeting of the City Engineers Association of Minnesota

2013 Project of the Year Award, City of Maple Grove

January 29-31, 2014
Earle Brown Heritage Center
Brooklyn Center, Minnesota

www.ceam.org

Sponsors
City Engineers Association of Minnesota
Minnesota Department of Transportation
League of Minnesota Cities

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COLLEGE OF CONTINUING EDUCATION
UNIVERSITY OF MINNESOTA
Connections. They are everywhere in our lives. We are connected mentally through the shared human condition, our hopes and dreams; we are connected physically by our daily interactions, our family and workplace environments; our neighborhoods are connected by roads and utility systems. And, of course, more than ever we are connected electronically, through e-mail, texts, tweets, and a host of social networking means.

The City Engineers Association of Minnesota invites you to the Annual Meeting in January 2014. The program includes a great variety of presentations on a broad spectrum of our connections – from the keynote on the human spirit, to social media, to technical topics, to legislative and agency connections.

The conference offers a terrific opportunity for you to stay informed on current topics of interest and to maintain continuing education. But just as important, it provides an excellent forum for the best social networking of all – the face-to-face connection with your peers and colleagues.

On behalf of the Conference Planning Committee, we look forward to seeing you at the 2014 Conference.

On behalf of the Conference Planning Committee, welcome.

Planning Committee Co-Chairs
Steven Bot, City of St. Michael and Joseph Rhein, Bolton & Menk, Inc.
7:30 a.m.  Registration and Continental Breakfast

8:30   Welcome  
Bob Moberg, CEAM President

8:40   The Spirit of Adventure  
Moderator:  John Maczko, City of Saint Paul  
Brian O’Malley  
Come experience an inspiring story filled with artistry and adventure. In today’s ever-changing environment individuals are being asked to go where they have never been before. By applying the skills of an adventurer, you will gain a new perspective on your personal and professional mountains.

10:00  Refreshment Break

10:20   Social Media Presentation  
Moderator:  Kevin Bittner, Bolton & Menk, Inc.  
Jacqueline Larson, City of Minnetonka; Jessica Wiens, Minnesota Department of Transportation; Laura Kushner, League of Minnesota Cities  
Social media is here to stay, and it’s likely your residents are already on Twitter or Facebook or Vine talking about your projects. Be part of the conversation by establishing social media accounts for engineering projects. Jacqueline Larson, City of Minnetonka, will talk about how the city’s engineering staff has used social media to their advantage on two recent city projects. Jessica Wiens, MnDOT, will talk about the use of social media on a very large project – the St. Croix Crossing – and how it’s helped in communicating with residents in communities affected by this long-term, massive project. Laura Kushner, League of Minnesota Cities, will introduce us to some of the issues and pitfalls of social media, in both private use and public use, from a human resources perspective. Social media won’t replace what you’re already doing, but it provides one more creative way to engage with and, ideally, garner support for projects that affect the daily lives of your residents.

11:15   Scholarship Winners Recognition  
CEAM Engineer of the Year Award  
CEAM Project of the Year Award  
Moderator:  Steven Bot, Vice President and Co-Chair, CEAM Conference Planning Committee; City of St. Michael

12:15 p.m. Lunch

1:15  Concurrent Sessions

Moderator:  Kent Exner, City of Hutchinson  
Ken Taillon, SEH inc; Mark Ziemer, Barr Engineering  
A light-emitting diode (LED) has been a lighting source that has existed since the early 1960s when it first appeared in some electrical components. However, it’s only been in fairly recent years that LED technology has become more fully utilized in aviation, automotive, traffic signal, roadway, facility, advertisement, and other lighting applications. During this session, two very qualified lighting engineers will provide an overview of several items related to LED roadway lighting such as equipment selection, controls, luminaire retrofitting, light levels, technology limitations, and other considerations. Also, a specific lighting project will be examined from concept development through the design process and, ultimately, into the operation and maintenance experiences relative to an implemented LED system.

2.  City of Eagan’s Pond Maintenance Program  
Moderator:  Russ Matthis, City of Eagan  
Eric Macbeth and Gregg Thompson, City of Eagan  
So you, or others before you, built NURP ponds 20+/- years ago. Fast forward to today and add your SWPPP. Now what? Find out what Eagan staff are experiencing as they address the maintenance of these utilized components of the storm water system, so that you can best comply with your MS4 permit and keep your residents smiling.

3.  Traffic Engineering Toolbox for City Engineers  
Moderator:  Morgan Dawley, WSB & Associates  
Mike Spack, Spack Consulting Group; Marc Culver, City of Maple Grove  
City engineers regularly field questions from council members and the general public about traffic; whether it’s traffic signals, stop signs, speeding cars, or pedestrian crossings. This session will provide some tools for you to reference to find the answer to these questions.

4.  Secrets of an Adventurer  
Moderator:  John Maczko, City of Saint Paul  
Brian O’Malley  
We all have a Mt. Everest somewhere in our life. Come explore your passions and experience this fun interactive session that takes you from theory to action. Warning! This is not for the faint of heart. If you are not ready to act upon what you want to achieve, acquire or become, do not attend this session.

2:30  Refreshment Break
5. Local Street Pavement Performance Challenges
Moderator: Klayton Eckles, City of Woodbury
Tony Kutzke, City of Woodbury; John Garrity, Minnesota Department of Transportation

The City of Woodbury is facing challenges maintaining their system with a large number of streets built between 1980 and 2005. The streets are deteriorating at a faster rate than expected. They will describe what they have tried so far to extend the life and the MnDOT bituminous engineer will talk about new techniques that look promising to help with these and similar issues.

6. Living Streets – City and Watershed District Success
Moderator: Michael Thompson, City of Maplewood
Cliff Aichinger, Ramsey-Washington Metro Watershed District; Steve Love, City of Maplewood

Maplewood and Ramsey-Washington Metro Watershed District worked to implement a sustainable “Living Streets” approach to a recent neighborhood reconstruction project, which is now the baseline approach. Get insight on how your city can create and implement a successful Living Streets Policy. Hear about Maplewood’s homeowner outreach and buy-in process, and lessons learned.

7. Innovative Intersections – Continuous Flow Intersections (CFIs) and Double Crossover Diamond/Diverging Diamond Interchanges – Operation Data
Moderator: Dave Sonnenberg, Stantec Consulting
Laurence Lambert II, Stantec Consulting; Brian Aldridge, Stantec Consulting

Diverging diamond interchanges are only just beginning to be designed in Minnesota, and continuous flow intersections have yet to make an appearance. However, in other parts of the country, they have been constructed and are in operation. This session will present real-world observations and data on how they are operating and issues that have been encountered to provide perspective on potential applications in Minnesota.

8. A Community-University of Minnesota Partnership for Sustainability: The Resilient Communities Project
Moderator: Will Manchester, City of Minnetonka
Mike Greco, University of Minnesota; Jeff Thomson, City of Minnetonka; Nate Ehalt, City of North St. Paul

The Resilient Communities Project (RCP) is an innovative community–university partnership to advance sustainability at the local level. Each year, RCP works with one city partner to facilitate course-based projects that meet community-identified sustainability needs. This session will highlight several projects from RCP’s partnerships with the cities of Minnetonka and North St. Paul, which matched more than 40 University of Minnesota courses with projects ranging from storm-water management to living streets.

9. Roundabouts – An Update on the Local Operational Experience
Moderator: Jim Studenski, TKDA
Joe Gustafson, Washington County; Jennifer Levitt, City of Cottage Grove; Reid Wronski, City of River Falls

Roundabouts are sweeping Minnesota. How are the operations and maintenance of these new intersections impacting us? Learn from the people who manage these circular endeavors. We will address pavement markings, signage, lighting, snow removal, truck traffic, visibility, pedestrians, accidents, and sustainability. You will come away knowing exactly which roundabout is right for your community.
7:00 a.m.  Past Presidents’ Breakfast

7:30  Continental Breakfast

8:00  Welcome
Joe Rhein, Co-Chair, CEAM Conference Planning Committee, Bolton & Menk, Inc.

8:05  Impacts of North Dakota Oil Boom on Transportation Infrastructure
Moderator: Steve Klein, Barr Engineering
Jack Olson, North Dakota Department of Transportation

The North Dakota oil boom has presented numerous issues for transportation infrastructure primarily in North Dakota; but it has also had rippling impacts on its neighboring states. In this session Jack Olson will describe what NDDOT has developed to understand and calculate the impacts of oil shale development traffic. In particular, the presentation will cover a general overview of the oil industry, projection of oil well development over the next 20 years, composition and volume of traffic on roads and rail, impacts on flexible and rigid pavements, impact on AADT/TAADT, and how North Dakota is using the information for future planning initiatives.

9:15  The New MS4 Permit – What You Need to Know
Moderator: Michael Thompson, City of Maplewood
Randy Neprash, Minnesota Cities Stormwater Coalition/Stantec; Bryan Gruidl, City of Bloomington

Hear about important new provisions in the reissued MS4 permit which became effective August 2013. How does the new permit differ from the old? Hear both the positives and the negatives. Learn how your city may need to adjust and what that could mean financially.

10:00  Refreshment Break

10:15  Engineers Without Borders
Moderator: Dan Faulkner, Bolton & Menk, Inc.
Dana Draper, Bolton & Menk; Chris Cavett, SEH, Inc.; Kelly Stifter, University of Minnesota; Jesse Kasim, University of Minnesota; Mark Ryan, Barr Engineering

Since its incorporation in 2002 in Boulder, Colorado, Engineers Without Borders - USA has completed over 350 projects in over 45 developing countries changing the lives of millions of people throughout the world. During this session you will hear the stories of student chapter and professional members and learn how CEAM can become involved with this program.

11:15  LRRB Update Jeopardy-Style
Moderator: Jeff Hulsether, City of Brainerd
Mike Marti, SRF Consulting; Renae Kuehl, SRF Consulting; Farideh Amiri, Minnesota Department of Transportation

How familiar are you with the LRRB/RIC’s research projects? Join in and test your knowledge, Jeopardy-style!

12:00 p.m. Lunch

1:00  Groundwater Management, Water Supply Trends, Aquifer Storage and Recovery (ASR), and Drought Planning
Moderator: Steve Klein, Barr Engineering
Ali Elhassan, Met Council; John Greer, Barr Engineering; Chris Larson, SEH, Inc.; Michael McDonald, Department of Natural Resources

In much of Minnesota, groundwater is the source of the municipal water systems. The amount of water an aquifer can sustainably produce is limited by the recharge to the aquifer. Future groundwater, as well as surface water, availability may be affected by periods of prolonged drought or increasing demand due to growing populations which could result in adverse impacts. This session will address regulatory agency initiatives, groundwater sustainability, diversification of water supplies, and the use of aquifer storage and recovery (ASR) to augment water supplies.

2:00  CEAM Standard Specifications Revisions
Moderator: John Gorder, City of Eagan
Paul Hornby, WSB & Associates, Inc.

While the 1999 version of the CEAM Standard Specifications has served its function well, it’s time to move it forward into the 21st century. Paul Hornby will briefly review the membership input process and highlight some of the specification revisions and updates.

2:15  Legal Issues for Public Infrastructure Projects
Moderator: Jack Griffin, FOCUS Engineering, Inc.
Jeff Coleman, Coleman Law Firm, LLC

Jeffrey Coleman will return again this year to address legal issues facing city and civil engineers in our day to day work on public infrastructure projects. Mr. Coleman is both a trial attorney specializing in the construction industry and a registered professional engineer.

3:15  Refreshment Break

3:45  Legislative Update
Moderator: Dave Sonnenberg, Stantec Consulting
Anne Finn, League of Minnesota Cities; Margaret Donahoe, Transportation Alliance; Todd Olson, Metro Cities

Our legislative panel will provide insight into the legislative issues that affect city engineers, predict what we might expect during the 2013 session, and discuss how we can be most effective in influencing legislation.

4:30 Reception
7:30 a.m. Continental Breakfast
8:00 Welcome
Steven Bot, Vice President and Co-Chair, CEAM Conference Planning Committee, City of St. Michael

8:10 Minnesota Department of Transportation Commissioner’s Update
Moderator: Steven Bot, Vice President and Co-Chair, CEAM Conference Planning Committee, City of St. Michael
Charlie Zelle, Commissioner, Minnesota Department of Transportation
Charlie Zelle has been MnDOT’s Commissioner for one year. Hear him describe what he has learned about the transportation partners in Minnesota over the past year and how we can work together on the campaign to educate the citizens of the state on the value of transportation to the economy and their quality of life.

8:40 Minnesota Department of Transportation State Aid Engineer’s Update
Moderator: Steven Bot, Vice President and Co-Chair, CEAM Conference Planning Committee, City of St. Michael
Julie Skallman, Minnesota Department of Transportation

9:30 Minnesota Pollution Control Agency Commissioner’s Update
Moderator: Julie Skallman, Minnesota Department of Transportation
A collection of hot topics that are of interest to city engineers. You will hear short updates on several items and will leave the session knowing whom to contact for more information on items that are of particular interest.

9:40 Minnesota Pollution Control Agency Commissioner’s Update
Moderator: Steven Bot, Vice President and Co-Chair, CEAM Conference Planning Committee, City of St. Michael
John Linc Stine, Commissioner, Minnesota Pollution Control Agency

10:00 Minnesota DNR Update
Moderator: Steven Bot, Vice President and Co-Chair, CEAM Conference Planning Committee, City of St. Michael
Steve Hirsch, Ecological & Water Resources Division Direction, DNR

10:30 Refreshment Break

10:45 CEAM Business Meeting

12:00 p.m. Lunch

1:00 Adjourn
Registration and Fees
The registration fee is $295 and includes all sessions, instructional materials, lunch on Wednesday and Thursday, two receptions, and refreshment breaks. An optional lunch on Friday is available for $15 (total conference fee of $310). Please register online at www.ceam.org or fill out the attached registration form and fax it to 612-624-5359, or mail it to the address indicated.

Cancellation Policy
If you need to cancel your registration, a refund of your fee, minus a $30 processing fee, will be made if written notice is received by January 22, 2014. Cancellations after this date are not eligible for a refund. The University reserves the right to cancel the event if necessary and would issue a full refund.

Attire
Casual attire is welcome. We recommend wearing layers, as the temperature in the meeting rooms is sometimes cold.

Location and Parking
The City Engineers Annual Conference will be held at the Earle Brown Heritage Center, 6155 Earle Brown Drive, Brooklyn Center, MN 55430. For further information or directions, please visit www.earlebrown.com. Free parking is available surrounding the facility.

Please visit the following website for pertinent information about PDH requirements: http://www.aelslagid.state.mn.us/conted.html#go.html.

Accommodations
Hotel rooms can be reserved at the Embassy Suites Minneapolis – Brooklyn Center Hotel, 6300 Earle Brown Drive, Brooklyn Center (conveniently connected to the Earle Brown Heritage Center by walkway). Make your reservation by calling the hotel directly at 763-560-2700. Ask for the “U of M” rate.

Continuing Education Units
Participants who attend the entire conference will receive 1.5 Continuing Education Units (CEUs). One CEU is defined as 10 contact hours of participation in an organized continuing education program. A CEU certificate will be sent to each participant after the conference. A permanent record of CEUs earned will be maintained by the University of Minnesota Office of Admissions and Records Transcript Office.

New This Year!

Social Media: Join the Conversation
We invite you to join the conversation about the CEAM Conference this year by posting updates to your LinkedIn and Facebook pages, or tweeting about the conference. The conference twitter hashtag is #CEAM2014. Type this hashtag in your tweets or postings to continue the conference “backchannel,” or you may also search Twitter for this hashtag to view the tweets online. These social media efforts will help participants network and meet new colleagues prior to and during the conference.

Conference sessions and presenters may also engage online participants prior to, during, and after the conference with additional information.

CEAM Twitter Account
If you have a twitter account, you can follow the City Engineers Association of Minnesota twitter account @CEAM_org.
Registration Form

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January 29-31, 2014

Last Name    First Name    M.I.

Company/Institution    Title/Position

E-mail

Business Address

City        State        Zip

Daytime Phone      Fax Number

☐ I am a new member/first-time attendee.

REGISTRATION FEES
☐ $295 – Conference (not including lunch on Friday)
☐ $310 – Conference plus lunch on Friday

2014 CEAM MEMBERSHIP FEES
☐ $60 – Full membership
☐ $60 – Associate membership

PAYMENT METHOD
☐ Enclosed is a check or money order payable to the University of Minnesota.
☐ My fee will be paid by my employer. Enclosed is a purchase order or a letter of authorization.
☐ Please charge my credit card:
   ☐ Visa    ☐ MasterCard    ☐ Discover    ☐ American Express

Card Number      Expiration Date

Name as printed on the card      Dollar amount to charge

Signature of cardholder

Payment by check, purchase order, or credit card must accompany this registration form for you to be registered.

HOW TO REGISTER

Online: www.ceam.org
Fax to: 612-624-5359

Mail to:
CCE Registration Center
University of Minnesota
201 Coffey Hall
1420 Eckles Avenue
Saint Paul, MN 55108

If your check is returned because of insufficient funds or closed account, or because you have made a stop payment request, you will be charged a check handling fee of $20. The information on this form is private data, used to identify and locate you, obtain payment, and enable instructors to better know their audience. Name, address, and payment method are mandatory. Information on this form may be shared with instructors and program cosponsors.