Annual Meeting
of the
City Engineers
Association of
Minnesota

2015 Project of the Year Award,
City of Thief River Falls

January 27–29, 2016
Earle Brown Heritage Center
Brooklyn Center, Minnesota

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

Facilitated by: College of Continuing Education, University of Minnesota

ceam.org
On behalf of The City Engineers Association of Minnesota, we are delighted to invite you to the Annual Meeting in January 2016. We are very enthusiastic about our program this year featuring Jeff Havens as keynote speaker! Jeff is the author of several books, contributes to numerous publications, and appears regularly on national television news programs. His information on personal and professional growth, delivered in a high-quality and entertaining fashion will surely get things off to a fantastic start!

Woven into the program are additional speakers of national and regional prominence, including a follow-up session to the well-received 2015 keynote on reality-based leadership. We will also be including ethics training on our agenda that is required for professional license renewal. Rounding out the program is a wonderful variety of concurrent sessions, pertinent updates from our colleagues at LRRB, MnDOT, and many more!

Important as anything is that valued time to see old friends and make new ones by catching up on the past with an eye toward the future. A positive experience for each attendee is the goal of our conference and we hope to see you there!

On behalf of the Conference Planning Committee, welcome!

**Planning Committee Co-Chairs**
Jeff Johnson, City of Mankato
Joseph Rhein, Bolton & Menk, Inc.
If you’ve listened to any other discussion about generational issues at work, then you’ve undoubtedly been told there are four distinct generations operating side-by-side in today’s working world. You’ve then been told the differences between those four generations, and then you’ve been told (although probably not in these exact words) that you need to just deal with all these different people, because they’re not going away and they’re not going to change how they operate. If that advice suits you, fantastic.

However, if you’ve ever been frustrated by how impossible it seems to employ four different strategies to manage four distinct generations, and if you’ve ever felt like you’re the only one who’s being asked to make any changes, then Us Vs. Them is exactly what you need. Because it turns out that there really aren’t four generations. In this hysterical keynote, you’ll learn a simpler way of looking at your own generational picture, and you’ll also learn how to understand, recognize, and resolve every generational issue facing today’s workforce. That’s no exaggeration: by the end of Us Vs. Them, you and your colleagues will walk away with all of the knowledge you’ll need to address 100% of the generational issues you’ll face for the rest of your career. Other generational presentations focus on what people want, but Us Vs. Them will tell you why everyone wants the different things they do. It’s an important distinction, and it will make implementing new solutions easier than you ever thought possible.

So get ready to laugh more and learn more than you ever thought possible. Because improving your generational issues doesn’t have to be boring.

Partial List of Takeaways:

- Learn to replace the complicated four-generation model with a workable dichotomy between older, more experienced workers and their younger, less-experienced counterparts
- Understand the key cultural, technological, and social changes that have conspired to create a disconnect between team members from these two generations
- Walk away with several immediately applicable strategies to address and eliminate problems caused by the disconnect mentioned above
- Inspire a healthier, more robust work ethic in your younger employees (and your older ones, too)
- Inspire a healthier, more robust attitude toward change in your older employees (and your younger ones, too)

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Guidelines for Developing and Responding to Effective RFPs and RFQs
Moderator: Dave Sonnenberg, Stantec Consulting
Jim Grube, Hennepin County
Bruce Firkins, Bolton & Menk, Inc
Steven Klein, Barr Engineering Company
A well-thought-out RFP or RFQ can be the key to a successful solicitation and project. Panelists from both the public and private sectors will discuss when either form of request should be used, essential components and the distribution of the request, effectively responding to a request, and some insight as to how proposals are likely to be reviewed by a public agency.

MnDOT’s Adoption of Intelligent Compaction and Thermal Profiling Technologies
Moderator: Mitch Rasmussen, Minnesota Department of Transportation
Rebecca Embacher, Minnesota Department of Transportation
The Minnesota Department of Transportation is transitioning towards full implementation of intelligent compaction and thermal profiling technologies by 2018. An update will be provided highlighting the implementation schedule, lessons learned, and how the technology is being used to improve the uniformity of compaction efforts on both asphalt and grading applications and to reduce thermal segregation on asphalt applications.

Deficiencies and Remedies of Pavement Stripping
Moderator: Jim Studenski, TKDA
Dave Rettner, American Engineering Testing, Inc.
Tony Kutzke, City of Woodbury
Jesse Struve, City of Brooklyn Park
Learn about those problem roads you drive on and maintain in your community. Do you have a solid plan in place to address them? Do you have the funds to make the fixes? Get the technical facts about the deterioration of the roadways through pavement stripping. Then hear from community engineering staff on how they are dealing with these issues. After implementing the information you learned from this session, you will be receiving praise from your local officials and your residents!

Wastewater Reuse, Coming to a City Near You
Moderator: Russ Matthys, City of Eagan
Jon Eaton, City of Eagan
Michelle Stockness, Barr Engineering Company
For many cities, sustainable water supply is a growing concern. Current issues may include the availability of future groundwater supply, declining water quality, or a combination of problems. Water reuse can be a multifaceted solution to these problems by linking alternative water sources to water demands. This presentation will specifically discuss how the City of Eagan has been working to develop a water reuse project within the City, as well as a few other Midwestern water reuse projects. Details will include project drivers, the process of identifying the project, project partners, conceptual plans, infrastructure or treatment levels needed, project costs, and lessons learned.

Utilizing GPS and GIS Information in Emergency Operations Planning (45-Minute Time Slot)
Moderator: Deb Heiser, City of Saint Louis Park
Phillip Elkin, City of Saint Louis Park
Joe Waln, Barr Engineering Company
GPS and GIS technology are valuable tools for emergency response, disaster prediction, and prevention. Learn about how two Minnesota cities are using these tools for emergency response efforts. St. Louis Park used this technology to document the 2014 Minnehaha Creek flooding using GPS, geo-referenced photos, and GIS data. This database will be used for future flood planning and public outreach. To help flood predictions along the Zumbro River, the City of Rochester developed a GIS application to help identify the impact areas for predicted flood events using spatial data.

2:30 Refreshment Break
Responding to Citizen Traffic Requests
Moderator: Dan Faulkner, Bolton & Menk, Inc.
Mike Spack, Spack Consulting
Debra Heiser, City of Saint Louis Park
Amy Marohn, City of Bloomington

Traffic: every city has it, everyone wants something done about it. Many traffic concerns that are brought to City Engineers are routine requests. The process to respond and investigate stop sign, crosswalk, and excessive speed requests is very similar. Learn about tools that the City of Bloomington and St. Louis Park are using to respond to these requests, including a step-by-step guide and draft communication documents that staff could use for responses to citizens.

Sanitary Sewer Service Lining: Creating Competition to Reduce Costs
Moderator: Mike Kuno, Short Elliott Hendrickson, Inc.
Paul Pasko, Short Elliott Hendrickson, Inc.
Bruce Loney, City of Shakopee

In an ongoing effort to upgrade infrastructure, reduce I/I and protect investments in street assets, the City of Shakopee will rehabilitate approximately 200 sanitary sewer services annually over the next 5 years. The program includes a multimedia campaign to educate property owners on the benefits of rehabbing their services. The Project Team developed bid documents that allowed Contractors to install liners meeting either ASTM 1216 or ASTM 2561. Allowing both specifications increased the number of eligible Contractors and provided a more competitive bid environment. Attendees of this session will discover how Shakopee is implementing their sewer service lining program, including the approach to public communication, the method for bidding blind shot lining to foster competition between two approved products, the result of the 2015 bid and construction process, and lessons learned for future projects.
Stormwater Reuse – CHS Field and Lessons Learned
Moderator: John Maczko, City of Saint Paul
Wes Saunders-Pearce, City of Saint Paul
Sharon Doucette, City of Woodbury

As stormwater management becomes more challenging, the methods used become more creative, including stormwater runoff reuse. This session will look at a dozen different reuse projects including the St. Paul Saints stadium project that captures rooftop runoff and reuses it for field irrigation and for stadium toilets. Other reuse projects including regional and smaller sites, both public and private systems, will be presented along with lessons learned, cautionary notes, and practical issues to consider.

Asset Management: From Rural to Metro Perspectives
Moderator: Jen Desrude, City of Bloomington
Brad Henry, University of Minnesota
Ruth Hubbard, Minnesota Rural Water Association
Marc Culver, City of Roseville
Russ Matthys, City of Eagan
Carol Kaszynski, City of Bloomington

Asset Management is a widely discussed topic, particularly after the MN 2050 Asset Management survey from 2015. A diverse panel representing a variety of different sized cities will provide their insight on Asset Management issues identified in the survey, as well as describe the technology they each use for Asset Management. The expectations of Asset Management software vary by the size of the city and the types of users. Each member of the panel will explain how they decided on their system, including their requirements, expectations, and pros and cons of their Asset Management software.

Using GIS to Assess Risk and Prioritize Storm Sewer Maintenance, Repair, and Replacement
Moderator: Will Manchester, City of Minnetonka
Liz Stout, City of Minnetonka
Janna Kieffer, Barr Engineering Company

Through use of GIS data, a quick and effective method was developed to review the City of Minnetonka’s overall system and identify key “risk” locations to be programed for repairs. This proactive approach, vs. reactive, helps reduce emergency repairs and flooding by identifying potential situations much in advance of failures.

Risk can be defined in many ways, but when evaluating risk of infrastructure failure, it can be generally described as the product of the probability of failure and the consequences of failure. Using this risk definition, the city’s consultant, Barr Engineering, conducted a two-step approach GIS analysis to identify high-risk portions of the city’s storm sewer system to be targeted for inspection and/or replacement. A scoring system was developed to 1) identify pipe segments with a higher likelihood of failure due to physical pipe characteristics such as material, and 2) assess the consequences of a storm sewer pipe failure, such as the type and degree of damage that may occur.
Program
Thursday, January 28, 2016

7:00 a.m.  Past Presidents’ Breakfast

7:30  Continental Breakfast

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

8:05  Communication in the Public Sector
Moderator: Jen Desrude, City of Bloomington

Gail Plewacki, Minneapolis Public Schools

Gail Plewacki started off her career in communications as a journalist before working in the public sector for the City of Minneapolis, Dakota County, and most recently as Executive Communications Director with Minneapolis Public Schools. She knows firsthand that good communication techniques are key to interacting with the public and working with the media, particularly in times of crisis. Gail will discuss some key components of communication with the public and the media, including some tips on handling critical situations.

9:20  Financial Health of Our Cities
Moderator: Dan Coyle, Kimley-Horn and Associates

Charles L. Marohn, Jr., Strong Towns

Charles Marohn, PE, AICP, will present a practical presentation about the financial health of our cities. He will touch on the shortages of resources and the struggle to maintain infrastructure. Mr. Marohn’s expertise with cities in Minnesota and around the U.S. will be instructional to engineers, planners, and city officials attending this event. His data on the viability of future development’s role in shaping our stability as a nation will impact design professionals to think about every individual project as part of something bigger. This session will examines case studies on the finances of America’s development pattern, reviews “dead ideas” of the suburban era we need to shed and proposes strategies (“rational responses”) for adjusting to the new realities we face.

10:20  Refreshment Break

10:40  Economic Development is created by Transportation Investments
Moderator: Morgan Dawley, WSB & Associates, Inc.

Phil Barnes, WSB & Associates (panel facilitator)
Steve Bot, I-94 Coalition and the City of Saint Michael
Jerry Zhao, Humphrey School of Public Affairs, University of Minnesota
William (Bill) Coins, Minnesota Freight Advisor Committee and Worldwide Account Manager with FedEx Healthcare Services
Kenneth Buckeye, Minnesota Department of Transportation
Lee Munnich, Humphrey School of Public Affairs, University of Minnesota

At a National, State and Local Level, we continue to hear about how economic viability is directly related to transportation networks. Attendees will learn from research evidence, and a Minnesotan case study that creates a link between job creation and adding transportation capacity. Our expert panel brings together academia, private sector leadership, and public sector stakeholders together to answer questions about how the development process works, and why transportation is one important factor for economic development.

Noon  Lunch

12:50  Metro Area Groundwater Sustainability and Response at the Local Level
Moderator: Steve Klein, Barr Engineering Company

Jim Westerman, City of Woodbury
Matthew Metzger, Barr Engineering Company

The sustainability of groundwater use in the Twin Cities metropolitan area is in question. Major effort is underway to understand the scope of the issue and what can be done about it. The City of Woodbury lies in the center of the east metro sustainability question. This presentation will introduce how sustainability engineering thinking, tools, frameworks, and team-building can enhance a project’s triple-bottom-line benefit/cost profile and will present activities the City of Woodbury has initiated to manage its water budget, as well as what has been learned from
several pilot conservation programs and the possibilities these programs hold for success in water sustainability.

2:00 MN 2050/Asset Management
Moderator: Michael Thompson, City of Maplewood
Dan Cage, MacQueen Equipment

Interested in the results from the state wide asset management survey conducted by Wilder Research? Gain insight on what your peers are utilizing and also hear about the latest outreach efforts and infrastructure videos.

2:15 Refreshment Break

2:35 Bringing Reality-Based Leadership to Work
Moderator: Russ Matthys, City of Eagan
Stacey Larsen, Authentic Edge, LLC
Julie Sampson, TheraRising Inc.
Cy Wakeman, 2015 CEAM Conference keynote speaker, challenged us to lead in a bold new way with reality based leadership. Hear how the City of Eagan Public Works Department took Cy’s challenge and is transforming their department culture. Learn the practical strategies they used and how you can begin to transform your workplace.

3:50 Legislative Update
Moderator: Dave Sonnenberg, Stantec Consulting
Anne Finn, League of Minnesota Cities
Margaret Donahoe, Transportation Alliance

Although the 2016 Legislative Session is shortened and technically a bonding year, much was left undone in 2015, including transportation funding. Anne Finn and Margaret Donahoe will speak about what to expect during the 2016 session and discuss what our priorities will be for cities.

4:35 Reception
Program
Friday, January 29, 2016

7:30 a.m. Continental Breakfast

8:00 Welcome
Jeff Johnson, Vice President and Co-Chair, CEAM Conference Planning Committee; City of Mankato

8:10 Minnesota Department of Transportation Commissioner’s Update
Moderator: Mitch Rasmussen, Minnesota Department of Transportation
Charles A. Zelle, Transportation Commissioner, Minnesota Department of Transportation (Invited)

8:45 Minnesota Department of Transportation State Aid Engineer’s Update
Mitch Rasmussen, Minnesota Department of Transportation

9:00 Engineering Ethics in the Public Arena
Moderator: Matt Hansen, SRF Consulting Group
Kristine A. Kubes, Kubes Law Office PLLC
Ethical engineering dilemmas can take many forms, especially in the public arena. In this course, attendees will examine the applicable Rules of Professional Conduct and examples of ethical dilemmas, and learn how to apply the Code to identify issues in practice, so as to address them, avoid them, and manage risk better.

10:00 Metropolitan Council Update
Moderator: Jeff Johnson, Vice President and Co-Chair, CEAM Conference Planning Committee, City of Mankato
Adam Duininck, Chair, Metropolitan Council

10:40 Refreshment Break

11:00 CEAM Business Meeting

12:15 p.m. Lunch/Adjourn
General Information

Registration and Fees
The registration fee is $305 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 $320). Please register online at www.ceam.org, or fill out the attached registration form and either 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 January 20, 2016. Cancellations after this date are not eligible for a refund. The University reserves the right to cancel the event if necessary and in this event would issue a full refund.

Guidebook Mobile App
The City Engineers Association of Minnesota Annual Conference has gone mobile! Before the conference this year, we will send instructions to registered participants on how to download and view the Guidebook mobile app. Attendees will be able to plan their days with a personalized schedule and browse general and concurrent sessions, presenter biographies, and meeting room map, and participate in the conference “backchannel” by posting on Twitter and sharing photos before and during the conference.

The app is compatible with iPhones, iPads, iPod Touches, and Android devices. Windows Phone 7 and Blackberry users can access the same information via the mobile site.

Social Media: Join the Conversation #CEAM2016

Follow us on Twitter at @CEAM_org

We invite you to join the conversation about the CEAM Conference this year by tweeting about the conference, or posting updates to your LinkedIn and Facebook pages. The conference hashtag is #CEAM2016. 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.
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, Minnesota, 55430. For further information or directions, please visit www.earlebrown.com. Free parking is available surrounding the facility.

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 1.525 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.

Please visit the following website for pertinent information about PDH requirements:
mn.gov/aelslagid/conted.html#go.html
2016 City Engineers Annual Conference Planning Committee

Jeff Johnson, Co-Chair, City of Mankato
Joseph Rhein, Co-Chair, Bolton & Menk, Inc.

Kevin Bittner, Bolton & Menk, Inc.
Todd Blank, Short Elliot Hendrickson, Inc.
Steven Bot, City of St. Michael
Kent Brander, Hydromethods
Dan Coyle, Kimley-Horn and Associates
Marc Culver, City of Roseville
Morgan Dawley, WSB & Associates, Inc.
Jen Desrude, City of Bloomington
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Mitch Rasmussen, State Aid for Local Transportation, Minnesota Department of Transportation
Rod Rue, City of Eden Prairie
David Sonnenberg, Stantec
Jim Studenski, TKDA
Dan Sullivan, Minnesota Department of Transportation
Michael Thompson, City of Maplewood

Heather Dorr, University of Minnesota
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Registration Form

Annual Meeting of the City Engineers Association of Minnesota
January 27–29, 2016

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
☐ $305 – Conference (not including lunch on Friday)
☐ $320 – Conference plus lunch on Friday

2016 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

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Signature of cardholder

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

How to Register

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Fax to:    612-624-5359

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CCE Registration Center
University of Minnesota
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Saint Paul, MN 55108