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Upcoming Meetings:

- Future City Competition, Jan. 19th
- SAME-MSP January Meeting and Presentation, Jan. 23rd
- SAME-MSP February Meeting and Presentation, Feb 27th
- SAME-MSP Joint Meeting with ASCE, Mar. 27th
- SAME-MSP April Meeting and Presentation, Apr. 24th

Frequently Used Links:

- National website: www.same.org
- Post website: www.same-msp.org
- [Post Leadership](#)
- [Post Sustaining Members](#)
- [SAME-MSP Facebook Page](#)

Next Meeting Presentation

Wednesday, December 19th, 2018

Community Resilience and Adaption to Climate Change

0.5 PDH

Leslie Yetka, Freshwater Society Director of Programs

Presentation Synopsis:

Current science indicates our precipitation and temperature patterns are changing in Minnesota, and will continue to do so in the future. These changes are having significant impacts on our natural resources, our built infrastructure, human health, and our societies. Freshwater Society and partners hosted participatory planning workshops focused on climate change, water impacts, and community resilience. These workshops were designed to: 1) educate participants about climate change, local trends, and anticipated impacts, 2) use participatory mapping and engagement methods to identify local vulnerabilities and strengths to these impacts, and 3) develop prioritized community actions to build resilience. Climate related hazards, vulnerabilities, strengths, and community actions were identified related to community systems at risk, including natural resources, water infrastructure, community resources, transportation, power, and emergency response. Community actions were also analyzed for regional similarities and differences. Outcomes were generated for incorporation into local water plans and municipal comprehensive plans. Key findings and lessons learned will be shared.

Speaker Biography:

Leslie Yetka is the Director of Programs with the Freshwater Society. Over the past twenty years, she has gained experience in the areas of environmental education, community engagement, facilitation, and public planning with a specific focus on watershed management issues, green infrastructure, sustainable landscape practices, and community resilience to climate change. She has been fortunate to engage with a variety of audiences, including private landowners, municipal government, watershed management organizations, nonprofit groups, technical professionals, and community groups working to protect our environment. Past work experience includes education and community engagement in local government, including the City of Burnsville and the Minnehaha Creek Watershed District. Leslie has a bachelor's degree in biology from Macalester College, a master's degree in horticulture with a minor in water resources science from the University of Minnesota, and is currently completing a master's in public affairs at the Humphrey School of Public Affairs at the University of Minnesota.

FRESHWATER

Meeting Location and Details:

Downtowner Woodfire Grill: 253 7th Street W, St. Paul, MN

11:30 AM - 12:30 PM: Networking and optional lunch
12:30 PM - 1:30 PM: Technical presentation

Please **RSVP** by no later than **Monday, December 17, 2018** with your intent to either partake in the optional \$20 lunch or for the presentation only.

To RSVP please use the following Eventbrite link:
<https://www.eventbrite.com/e/december-professional-development-meeting-tickets-53568347369>

Invite a Friend to
December's Luncheon!

Help promote the our SAME Post! Where else can engineering professionals network, listen to interesting technical presentations, and earn PDHs? Invite a friend to the December luncheon to show them what they are missing!

November Meeting Highlights

At November's SAME Post meeting, Tim Anderson with the Federal Highway Administration (FHWA) and Ed Lutgen of the Minnesota Department of Transportation (MnDOT) presented on the FHWA bridge inspection program. This program was developed in 1968 to provide Federal oversight to State bridge programs to ensure the safety of the traveling public. The National Bridge Inspection Standards (NBIS) requires that all public road bridges longer than 20 feet be inspected at least every 24-months. Ed indicated that MnDOT has their own bridge inventory inspection and maintenance requirements that are in addition to the Federal inspection program, which results in some state-owned bridges being inspected annually.

FHWA uses 23 different metrics used to annually assess the MnDOT bridge program. These metrics include items such as qualifications of personnel, inspection frequencies, inspection procedures, and updating of data. MnDOT relies on many local bridge owners (such as Counties or Cities) to perform bridge inspections. There are approximately 20,000 bridge structures in the State of Minnesota and 205 agencies with at least one bridge. Two-thirds of the owners have fewer than 100 bridges in their inventory.

Sometimes it is difficult for smaller agencies to achieve quality and timely inspections. To help improve compliance, MnDOT developed their own quality assurance audit program in 2012. As discussed in the presentation, the MnDOT bridge program is highly compliant with the Federal standards. Tim and Ed collaborate on fulfilling requirements of the Federal inspection program with the goal of improving the quality of the Minnesota bridge inventory.

References:

[FHWA National Bridge Inspection Standards](#)
[FHWA Metrics for the Oversight of the National Bridge Inspection Program](#)
[MnDOT Bridge and Structure Inspection Program Manual](#)
[MnDOT BridgeInfo3](#)



Left to right: Ed Lutgen (MnDOT), Paul Dierking (SAME-MSP Post President), and Tim Anderson (FHWA) at the November Post meeting.

A Note from the Post President

With the year winding down, winter and the holiday season in full swing, and deadlines for many of us fast approaching, it is quite easy for us all to get caught up in the hustle and bustle of the season. So I wanted to pause for a brief moment in this season of giving, and give everyone a big **THANK YOU!!!**

Thanks to all of you for your continual service to our Post, communities, and emerging leaders. From scholarships and educational grants, to STEM outreach, monthly programming and professional development, and community service, your efforts literally touch hundreds of people in our industry and our communities each year. As we enter the New Year, please continue to look for opportunities to provide feedback to our membership team, led by Director Dave Ausdemore, as well as opportunities for engagement with some renewed focus in Post programming and activities.

As always, please pass along any feedback or questions you may have about the Post, and I look forward to seeing you at an upcoming SAME event.

Wishing everyone a safe, peaceful, and joyous Holiday Season!

From the Desk
of SAME M-SP
Post President

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**SOCIETY OF
AMERICAN
MILITARY
ENGINEERS
MINNEAPOLIS-
SAINT PAUL POST**

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SAME-MSP Post Membership Survey

Post Membership Survey is Live! Tell us how our post is doing and what we can do better.



This survey will assist to identify gaps and opportunities for our Post programs and activities. Our goal is to ensure that our Post benefits our members with technical programs and networking opportunities, and continually strives to provide these values and opportunities to our members. The survey was emailed to all Post members in November and can also be accessed here:

<https://goo.gl/forms/1fesCSRgsay2LRGj2>

This link may not be accessible to those using government computers. If this is the case, please complete the survey using the [attached pdf](#) and email the survey directly to Dave Ausdemore at dave@hsscience.com.

SAME National and MFESTS Awards

The Post is looking for recommendations or nominations for upcoming awards. For a full listing of SAME National Awards, see the following link: <https://www.same.org/awards>. We are also looking for recommendations for the [Minnesota Federation of Engineering, Science, and Technology Societies](#) (MFESTS). Please email Sherry Van Duyn at svanduy@landmarkenv.com.

A Look into the Future: Volunteers Needed for Future City Competition

This will be the 17th year that teams from Minnesota have participated in the national [Future Cities Competition](#) and will be the 11th year that the SAME-MSP Post will be sponsoring a special award category at the Regional Finals for the team that best addresses "Readiness for Natural and Man-made Disasters."

The Post needs the assistance of at least four volunteers on the morning of **Saturday, January 19, 2019 at Dakota County Technical College** to help select the team to receive our special award.



This year's competition theme is **Powering Our Future** - teams will design a resilient power grid for their future city that can withstand and quickly recover from the impacts of a natural disaster. This theme fits well with our special award, so there should be some very creative and well thought out ideas. If you are interested in volunteering, please contact Peter Allen at peter.allen@stantec.com or 651-604-4801.

Sustaining Member Presentations at Future SAME-MSP Post Meetings

The SAME MSP Post is looking for our sustaining members to give a brief five minute presentation about your company prior to the monthly presentations. This is a great networking opportunity to tell others about your company's services, small business information, etc. Please email Sherry Van Duyn at svanduy@landmarkenv.com or Dave Ausdemore at dave@hsscience.com if you would like to present.

Have an idea for future meeting topics or tours?

Please contact Matt Redington with your ideas at matthew.redington@hdrinc.com or 763-591-5487!

www.same-msp.org

MSP SAME POST MEMBER SURVEY

The MSP SAME Post requests your input to identify opportunities on how we can better serve our members. Help us improve our Post and take a few minutes to complete this survey. Our Post leadership Your opinion matters!

1. **Email address ***

Tell Us About You

This section of the survey will provide the demographic data of our members.

2. **What's your name? (Optional)**

3. **What type of SAME membership do you have?**

Mark only one oval.

- Individual Only
- Sustaining Firm Membership
- Both Individual and Company/Organizational

4. **How long have you been a member of the St Paul SAME Post?**

Mark only one oval.

- Less than 2 Years
- Between 2 and 5 Years
- Between 5 and 10 Years
- Between 10 and 15 Years
- More than 15 Years

5. **How many of the various St Paul SAME Post events have you attended over the past 24 months?**

Mark only one oval per row.

	0	1	2 - 4	> 5
Luncheon Meetings	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Technical Tours	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Small Business Forum	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Golf Tournament	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Annual Awards Banquet	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6. What is your primary specialty?

Check all that apply.

- Highways and Roads
- Water Resources
- Flood Control/Management
- Sanitary Sewers and Wastewater Treatment
- Smart Growth
- Environmental
- Safety and Health
- Energy
- Climate Change
- Security/Resilience
- Facility Management
- Building Design/Architecture
- Vertical Construction
- Other: _____

7. What type of organization do you work for?

Mark only one oval.

- Government Sector - Federal
- Government Sector - State
- Large Firm (Over 10,000 Employees)
- Medium Firm (Between 100 and 10,000 Employees)
- Small Company (Less than 100 Employees)
- Self Employed

8. Is your employer a sustaining firm?

Mark only one oval.

- Yes
- No
- I don't know

How are we doing?

Please provide feedback on the current activities the St Paul Post provides?

9. How satisfied are you with the Post luncheon presentation topics?

Mark only one oval.

1 2 3 4

Very Dissatisfied Very Satisfied

10. How satisfied are you with the quality of the Post Luncheon meeting venue and food?

Mark only one oval.

1 2 3 4

Very Dissatisfied Very Satisfied

11. How satisfied are you with the Post luncheon meeting location?

Mark only one oval.

1 2 3 4

Very Dissatisfied Very Satisfied

12. How satisfied are you with the Post luncheon meeting times?

Mark only one oval.

1 2 3 4

Very Dissatisfied Very Satisfied

13. Overall, how satisfied have you been with the Post luncheon events?

Mark only one oval.

1 2 3 4

Very Dissatisfied Very Satisfied

14. How high is your priority to attend the Post's Annual Golf Tournament?

Mark only one oval.

1 2 3 4

No interest to attend Fully committed to attend

15. How high is your priority to attend the Post's Award Banquet?

Mark only one oval.

1 2 3 4

No interest to attend Fully committed to attend

What can we do better?

16. What factors would increase your attendance to luncheons?

Check all that apply.

- Topics relevant to my work
- Location closer to my workplace
- Larger audience for networking
- Shorter meetings over lunch break
- Late afternoon meetings
- Evening Meetings
- None
- Other: _____

17. What other type of social networking events would you attend?

Check all that apply.

- After Hours Networking Event
- Curling Event
- Lakeside BBQ or Shrimp Boil
- None
- Other: _____

18. What factors do you believe would increase your attendance for the Awards Banquet?

Check all that apply.

- Lower the Cost
- Change the Location
- Switch to a different time of year
- Move time to the lunch hour
- Move time to the morning
- Move time to the late afternoon
- None

19. How can we improve the Awards Banquet?

20. Please provide additional suggestions on improvements you would like to see with Post activities.

Industry Day/Golf Tournament

The SAME MSP Post has been hosting a joint Industry Day/Golf Tournament event in mid-July. The Industry Day event offers a variety of presentations and an opportunity to earn 3 PDHs. The golf tournament follows in the afternoon and is intended to be a relaxed networking event. The following questions are included in this survey to guide future event planning:

21. Although the event has traditionally included 18 holes of scramble golf, we are considering alternative activities. Which of the following statements most accurately reflects your opinion?

Mark only one oval.

- I prefer the event continue to include 18 holes of golf
- I do not golf and would rather participate in a different event

22. In the past, the Industry Day event is held in the morning prior to golf. Please select all statements below that reflect your opinion.

Check all that apply.

- I prefer the 3 hour program before golf (No Changes)
- I prefer the Industry Day event to be offered in the afternoon only
- I prefer the Industry Day event to be extended to a full day
- I prefer Industry Day to be separate from the Golf Tournament

23. What other factors would increase your interest to attend the Industry Day/Golf Tournament event?

Check all that apply.

- Less expensive entry fees
- Increased participation for networking
- Different location/venue (typically at Oak Marsh Golf Course in Oakdale, MN)
- No changes are recommended
- Other: _____

24. Please provide suggestions to improve this event?
