May 25th is our joint meeting with MnAFPM. The presentation will be provided by MnAFPM and will feature Carrie Jennings, Research and Policy Director at the Freshwater Society, and Eric Waage, Director of Hennepin County Emergency Management. They will provide a presentation on a landslide inventory project that is taking place in Hennepin County.

**A Slippery Slope:**
**Towards a Better Understanding and Prediction of At-Risk Hillsides**

*Carrie Jennings & Eric Waage*

**General Information:**

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**Presentation Synopsis:**

Minnesota’s wettest recorded month in June 2014 led to widespread gravitational failure of sediment and rock in the metropolitan area of Minneapolis-St. Paul. The failure beneath the oxygen supply for Fairview Riverside hospital was costly enough to allow the entire state to qualify for a federal disaster declaration. Two years prior, a similarly rainy period resulted in loss of life as well as extensive property damage. Our goal is to develop a better predictive model of when and where failures occur in order to inform hazard response plans, best management practices and to develop model ordinance language.

We inventoried historical failures in a broad region that included the metropolitan area by searching online sources and print newspaper archives. We interviewed MnDOT personnel with extensive knowledge of problematic areas in heavily engineered landscapes near roadways. Failure scars discovered on the DEM and not through the historical archives were noted and municipalities contacted for more information on timing. The antecedent precipitation for two to four weeks prior to the failure and soil moisture conditions at the time failure were extracted from climate archives for the periods identified.

Nearly all of the slides occurred between May and October with peaks in June and August, both periods of higher incidence of convective storms in Minnesota. The earliest record of failure was in 1879. Wet periods in the late 1890s, early 1900s, 1980s and 1990s are reflected in an increase in reporting of slides. The increase in slides reported since 2010 may reflect the wetter climate as well as the ease of searching online records. The failures were primarily located along the Mississippi and Minnesota River corridors.

**Meeting Location:**

**LOCATION CHANGE:** BARR Engineering, 4300 Market Pointe Dr., Minneapolis, MN—6th Floor Conference Room—Visitors must enter on Minnesota Drive and enter parking ramp at Level L.

**Agenda:**

Social time and lunch (if you so desire) will be from 11:30 AM to 12:30 PM. A taco bar from Baja del Sol will be available for $15. Presentation will be from 12:30 PM to about 1:30 PM.

Please RSVP no later than Friday, May 20th, with your intent to either partake in the lunch or to come for the presentation only; this will help to ensure that an adequate amount of food is prepared. Either leave a message with Lisa Buchli at 651-290-5632, click the RSVP button in the left-hand column of page 1, or send an email to Lisa.A.Buchli@usace.army.mil
The April SAME monthly meeting was held at the Short Elliott Hendrickson (S.E.H) office. (A big thanks to S.E.H. for hosting the event!) Jeff Reigle from Waddle and Reed presented five mental roadblocks and how increased awareness could help you to make wiser financial decisions:

1. **Inertia**: An object in rest stays at rest. An object in motion stays in motion. Make "savings" part of the motion in your life.

2. **Anchoring**: Humans tend to make decisions on the first piece of information "anchor" that comes in. Be aware. Be informed.

3. **Loss Aversion**: Humans tend to sternly prefer avoiding losses over acquiring gains. Positioning investments in the market that are centered between the extremes. Having a balanced combination of investments helps insulate from the risks of any one extreme.

4. **Present Bias**: Humans tend to overvalue immediate rewards at the expense of long term gains.

5. **Identifying Blind Spots**: Identify your retirement goals, and include goals from a larger "list" that may offer ideas that you hadn’t thought of before.

We thank Jeff Reigle for sharing some of his insights on financial management and avoiding mental roadblocks!

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**Critical Infrastructure Symposium (CIS) Recap**

Matt Redington made an announcement to thank the St. Paul Post for supporting his attendance at the Critical Infrastructure Symposium (CIS) in Charleston, SC last month by sponsoring his conference registration fee. As a follow up to the conference Matt provided a summary of some lessons learned at this event, including:

- There are many definitions for resiliency that have been used depending on agency or application. The National Institute for Standards and Technology, through its Community Resilience Planning Guide for Buildings and Infrastructure Systems published in October 2015, defines resilience as follows: "The ability to prepare for and adapt to changing conditions and to withstand and recover rapidly from disruptions. Resilience includes the ability to withstand and recover from deliberate attacks, accidents, or naturally occurring threats or incidents.”

- Mr. James Dalton (Chief, Engineering & Construction, HQ USACE), the Keynote Speaker for the symposium, said that we have incorporated resiliency into our work before, but that what we are focusing on has changed over time. Of particular importance now are factors such as climate change, greater population concentrations in vulnerable areas, system interdependence, and cyber security. Mr. Dalton also described how USACE is using a risk-informed view to address changing conditions and how resilient systems require resilient people.

Bonnie Greenleaf, Teri Alberico, and Matt are managing the efforts to track and achieve the resilience streamer requirements. They would like to have a presentation at one of the upcoming meetings focused on technology, tools and/or best practices related to response, recovery or adapting strategies for enhancing infrastructure resilience of local critical infrastructure. Please let them know if you would be interested sharing your resiliency experience by presenting on this topic! You can contact Matt Redington at matthew.redington@hdrinc.com.

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**Small Business News—SADBOC Procurement Fair Highlights**

Many SAME members attended the annual SADBOC Conference on April 28th. Highlights include:

- Tim Connelly of The Law Office of Tim Connelly, PLLC provided a legal update that included information about the upcoming SBA Mentor-Protégé program opening up to all small businesses. He mentioned that it may come out this summer. This program allows small businesses (typically the Protégé) to team with an experienced larger company (the Mentor) to prime small business set aside contracts by forming a Joint Venture. The Mentor can only have up to 3 protégés with noncompeting businesses. This is a great opportunity for small and large businesses to form a team to get new contracts and small business to learn. Tim also talked about the new Minnesota Limited Liability Company law and important changes to labor and employment rules applicable to government prime contractors and subcontractors.

- Catching up with old and new large companies and government agencies at the booths—the room was full of helpful people to talk with.

- Matchmaking event—opportunity to have 15 minutes to talk with a buyer (government agency or large business). Small businesses needed to sign up ahead of time and matches were based on your SIC code (use as many as you have to get more matches). This is their third year and a great opportunity to talk about opportunities within that business. Try it next year if you haven’t yet, large and small business. Bring your capability statement and use as your business card.
Save the Date for the 6th Annual SAME-MSP Awards and Recognition Banquet!

Wednesday, August 10th 2016
At 6:00 PM
Como Park Zoo and Conservatory
Bullard Rainforest Auditorium
Be on the lookout for invitations!

SAME 2016 Joint Engineer Training Conference & Expo

The time is now to make your plans to exhibit at the 2016 Joint Engineer Training Conference and Expo (JETC) taking place May 24th-26th, 2016 at the Phoenix Convention Center in Phoenix, Arizona. JETC attracts more than 1,500 attendees each year and excitement continues to grow! JETC is the premier event for the A/E/C industry designed to enhance your business marketing strategies and connect you with qualified professionals serving federal, state, and local government as well as Department of Defence (DOD).

Please see the following pages for the 2016 Golf Flyer!
MSP Post’s 31st Annual Education and Mentoring Fund Golf Tournament

Thursday, July 14, 2016
Shotgun Start at NOON

Oak Marsh Golf Course
Oakdale, MN

PLEASE REGISTER TO ATTEND

On-line registration must be made no later than Friday, July 8th at:
www.wpgolf.com/oakmarsh/same_fundraiser.aspx

Early Registration by June 23rd will enter you in a special drawing to win a Fitbit® and other awesome door prizes!

Individuals, twosomes, threemose, and foursomes are welcome! Groups less than foursomes will be paired up with other golfers.

Non-golfers are welcome to join us for dinner and socializing. Cost for dinner is $25.00. Additional donations to the Education and Mentoring Fund would be greatly appreciated.

TOURNAMENT FORMAT

Best-ball, scramble format, shotgun start at NOON. Prizes will be awarded to 1st and 2nd place foursomes. There will be individual awards in both men’s and women’s categories for longest drive, longest putt, and closest to the pin. There will also be a chance to win $10,000!

SPONSORSHIP OPPORTUNITIES

Register to sponsor the event through the on-line tool at:
www.wpgolf.com/oakmarsh/same_fundraiser.aspx

The following sponsorship opportunities are available:

- Hole-In-One Sponsor—$700 donation (only 4 available)
  - Your company name/logo displayed at tee box, indicating sponsorship at one of the 4 hole-in-one $10,000 contest.

- Tee/Green Sponsor—$300 donation
  - Your company name/logo displayed at tee box, indicating sponsorship of hole.

- Small Business Hole Sponsorship—$200 donation
  - Your company name/logo displayed at tee box, indicating sponsorship of hole. Only available to small businesses.

For all sponsorship options, your company will be listed as one of the tournament sponsors and will receive special acknowledgement at the awards presentation.

COST (includes 18 holes of golf, 1/2 cart, and dinner):

- Employees of Public Agencies: ............... $75
- SAME Young Members (39 and younger): .... $75
- Fully Retired SAME Members: ............... $75
- SAME Sustaining Members: .................. $95
- Employees of Private Firms: ..................... $95
- Dinner-Only for Non-Golfers: ..................... $25

REGISTER ONLINE AT:
www.wpgolf.com/oakmarsh/same_fundraiser.aspx

CONTACT FOR ADDITIONAL INFO:
Rachel Pichelmann at 651-724-8245 or by email at rpichelmann@sehinc.com

DOOR PRIZE DONATIONS WILL BE APPRECIATED!
Please, no corporate logo items, except golf balls.

DINNER MENU:
On the following page.

SPECIAL EVENT:

Prior to the golf tournament this year, SAME will be offering a 2-hour ethics training session from 9-11am at Oak Marsh. This training is intended to satisfy the ethics-related PDH requirements for professional licensure for the 2016-2018 renewal period. Additional information will follow regarding this event and registration will be handled separately from the golf outing.

Thursday, July 14, 2016
Shotgun Start at NOON
HAWAIIAN BUFFET DINNER following a great day of golfing:

Coconut Crusted Chicken
Maple Glazed Salmon
Sesame Cabbage Salad
Curried Rice
Kahlua Glazed Carrots
Bread Basket

For more info see: www.same-msp.org or contact Rachel Pichelmann at 651-724-8245