



POST NOTES

The Society of American Military Engineers

Rock Island Post

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March Meeting: Urban Drainage Study for West Des Moines

LT Leon completed a 890-acre urban drainage study for the City of West Des Moines, Iowa. The study area includes the Historic Valley Junction area, which is protected from riverine flooding by federally constructed levees. The goals of the study were to improve interior drainage and localized flooding problems, provide storm sewer and sump connections to unsewered areas to help reduce I/I flows and help with redevelopment of commercial properties, and evaluate stormwater management policies to help guide future redevelopment. xpswmm-2D was used to model the system. The model was solved for two different scenarios, assuming the River/Creek were at normal stages, and all the City outfalls were free discharge. Scenario 2 evaluated the system when the River/Creek were at flood stage requiring the levee gates to be closed and the pump stations to pump stormwater to the River/Creek. Over ten existing and proposed pump stations were modeled. The study resulted in approximately \$25 million worth of improvement projects that can be incorporated into the City's Capital Improvement Plan.

Luis Leon is the Principal Engineer and President of LT Leon Associates. He is a LEED Accredited Professional, Certified Floodplain Manager, and a Technical Service Provider with the NRCS. Luis has more than eleven years of experience with hydrology/hydraulics, stormwater management, public infrastructure, regulatory permitting and conservation practices. He provides expertise in H&H modeling, sustainable stormwater management and stream restoration.

- MEETING DATE:** March 13th, 2014
- LOCATION:** Quad City Botanical Center
2525 4th Avenue, Rock Island, IL 61201
- AGENDA:** 1100-1130 Board Meeting
1130-1200 Networking Period
1200-1330 Business Brief, Lunch, and Speaker
- MENU:** Broasted Chicken, Oriental Stir Fry, Baked Potatoes
Assorted Salad, Dinner Rolls, and Beverage
- COST:** \$10 for Public Sector and Retirees, Per Person
\$15 for Private Sector, Per Person
All are payable at the door
- RESERVATIONS:** Please register by COB Tuesday March 11th, 2014 at:
<http://posts.same.org/rockisland/registration.htm>
Or email LRozumalski@baird.com
- BUSINESS BRIEF:** Barr Engineering

Boy Scout Engineering Merit Badge Workshop

The Rock Island Post of the Society of American Military Engineers and the City of Davenport Iowa Public Works hosted its 5th annual Boy Scout Engineering Merit Badge Clinic on Saturday, February 22nd at the Davenport Public Works Center. The event helps to develop and support youth recognition of the need for and important contributions of engineering professionals. Forty Boy Scouts from as far away as Chicago had the opportunity, during the day-long event, to explore various engineering professions including civil, mechanical, traffic, electrical, geotechnical, hydraulic, environmental and structural. Attendees to this year's clinic build a hovercraft using simple materials like tape, foam plates, balloons and straws and discussed the various Engineering disciplines that might be involved in mass producing actual hovercraft transportation vehicles. Scouts also engaged in the process of designing and constructing streets and bridges, surveying, soil testing, project scheduling, flood risk management, electrical circuits and launching M&Ms from a catapult and trebuchet.

Secretary's Corner

The Post Secretary encourages you to submit fellow SAME members for National Level awards and to write articles for the SAME magazine and other publications. The secretary can help send articles to SAME Headquarters. Send a copy of accomplishments, award information, and anything going for publication to the Secretary, Michael.J.Tarpey@usace.army.mil.

PE Exam Review Webinars

Prepare for the Spring PE exam with the ASCE PE Exam Study Webinar Series. The schedule for each session is below. Please contact Rick Nickel for registration and any additional information. Email Rick at Richard.T.Nickel@usace.army.mil or call 309-794-5210.

Date	Session	Location
Tuesday, Mar 4	Geomechanics	ABC Conf Room
Thursday, Mar 6	Foundation Engineering	Fishbowl Conf Room
Tuesday, Mar 11	Engineering Cost Analysis	OD Conf Room
Thursday, Mar 13	Construction Scheduling and Estimating	Fishbowl Conf Room
Monday, Mar 17	Construction Depth Session	Library Conf Area
Tuesday, Mar 18	Geotechnical Depth Session	Fishbowl Conf Room
Wednesday, Mar 19	Structures Depth Session	ABC Conf Room
Thursday, Mar 20	Transportation Depth Session	ABC Conf Room
Friday, Mar 21	Water Resources Depth Session	Fishbowl Conf Room

2014 SAME Events Calendar Draft

To add events to the calendar, email Michael Tarpey at Michael.J.Tarpey@usace.army.mil

Friday, January 17, 5:30 PM	Installation of Officers	Dean Cerny Dean.R.Cerny@usace.army.mil
January 30-31	Post Leaders Workshop – Las Vegas, NV	www.same.org
Jan 31 st -Feb 1 st	Student Leaders Workshop – Las Vegas, NV	www.same.org
February 20	QCESC Dinner	www.qcesc.org
February 22 8:30-4	Davenport Public Works Building, Davenport, Iowa	Roger Perk, 309-794-5227 Roger.A.Perk@usace.army.mil
Thursday, March 13 11:30 AM	Regular Meeting	Michael Tarpey, 309-794-5593 Michael.J.Tarpey@usace.army.mil
April 7 th -8 th	TISP Critical Infrastructure Symposium, Colorado Springs, CO	Michael Tarpey, 309-794-5593 Michael.J.Tarpey@usace.army.mil
Thursday, April 10 11:30 AM	Joint Meeting with ASCE	Michael Tarpey, 309-794-5593 Michael.J.Tarpey@usace.army.mil
Thursday, May 8 11:30	Regular Meeting	Michael Tarpey, 309-794-5593 Michael.J.Tarpey@usace.army.mil
May 20-23	Joint Engineer Education & Training Conference & Expo, Orlando, FL	www.same.org
Wednesday, June 18 11:30 AM	Regular Meeting	Michael Tarpey, 309-794-5593 Michael.J.Tarpey@usace.army.mil
Thursday, July 10 11:30 AM	Regular Meeting	Michael Tarpey, 309-794-5593 Michael.J.Tarpey@usace.army.mil
August XX	Scholarship Golf Outing, Muscatine, IA	Heather Day, Stanley Consultants DayHeather@stanleygroup.com
August XX	X-Stream River Clean-up	TBD
Thursday, September 11 11:30 AM	Regular Meeting	Michael Tarpey, 309-794-5593 Michael.J.Tarpey@usace.army.mil
October XX	October Training Conference	Mike Ryan, mryan@hrgreen.com
Thursday, November 13 11:30 AM	National Security Meeting	Cory Haberman Cory.J.Haberman@usace.army.mil
November 19-21	2014 Ohio Valley and Great Lakes Engineer Training Symposium (JETS), Louisville, KY	Michael Tarpey, 309-794-5593 Michael.J.Tarpey@usace.army.mil
Wednesday, December 17, 11:30 AM	Regular Meeting	Michael Tarpey, 309-794-5593 Michael.J.Tarpey@usace.army.mil