

President

John Lazzara, P.E.
HDR Engineering, Inc.
8550 W. Bryn Mawr Avenue, Suite 900
Chicago, IL 60631
(773) 380-7938

Past President

Thera Baldauf, P.E.
MWH Americas, Inc.
350 N. Orleans Street, Suite 1301
Chicago, IL 60654
(312) 831-3043

President-Elect

Dhooli Raj, P.E.
Collins Engineers, Inc.
123 N. Wacker Drive, Suite 900
Chicago, Illinois 60606
(312) 236-5119

Secretary

Megan A McDonald, P.E., LEED AP
TranSystems
222 South Riverside Plaza, Suite 610
Chicago, IL 60606
(312) 669-5824

Treasurer

John G. Green, Ph.D., P.E.
Mott MacDonald
120 South LaSalle Street, Suite 1240
Chicago, IL 60603
(312) 894-5369

Directors to 2017

Andrew Keaschall, P.E., S.E.
(312) 565-0450
Patrick Lydon, P.E.
(920) 737-5306
Andrew Walton, P.E.
(312) 930-5165

Directors to 2018

Katie Bell, P.E.
(630) 863-5123
Brett Sauter, P.E., S.E.
(773) 355-2936
Don Oliphant, P.E.
(847) 823-0500

Chair, Geo-Institute

Ati Fathi, P.E.
GEI Consultants, Inc.
30 N. LaSalle, Suite 1515
Chicago, IL 60602
(312) 985-0364

Chair, Structural Engineering Institute

Kendra Bleers, P.E., S.E.
Jacobs
525 W. Monroe, Suite 1600
Chicago, IL 60661
(312) 612-7234

Chair, Environmental & Water Resources Institute

Brian Olson, P.E.
Greeley and Hansen
100 S. Wacker Drive, Suite 1400
Chicago, IL 60606
(312) 578-2476

Chair, Urban Planning & Development Group

Jay Olson, P.E.
GSG Consultants, Inc.
910 West Lake Street, Suite 110
Roselle, IL 60172
(630) 536-6807

Chair, Transportation & Development Institute

Thomas Borges, P.E.
Bloom Companies, LLC
150 N. Wacker Drive, Suite 1650
Chicago, IL 60606
(312) 248-8628

Chair, Younger Member Group

Monica Crinion, P.E.
WBK Engineering, LLC
8 East Galena Boulevard, Suite 402
Aurora, Illinois 60506
(630) 338-8555

SEI ILLINOIS CHAPTER MAY DINNER MEETING

Marseilles Dam: Emergency Repairs from Barge Impact

Presented by:

Brant Jones, P.E., S.E. & Kirk Atwater, E.I.

Abstract:

In April 2013, a downstream bound tow of 14 barges was headed towards the Marseilles Lock and Dam on the Illinois River. The tow broke apart, and seven fully loaded barges were swept into the dam. The resulting impacts damaged five of the eight Tainter gates, which are used to control flow through the dam. One impact was severe enough to cause catastrophic failure of a primary support girder. As a result, a temporary gate anchorage was designed to re-establish the gate connection to the concrete pier. The design, fabrication, and installation of the temporary anchorage were accomplished under emergency conditions. As part of the permanent repairs, two of the damaged gates were able to be repaired in-place, while the other three damaged gates had to be completely replaced. The presentation will focus on the structural aspects of the repairs along with various challenges of the project.

Speakers' Bio:

Brant Jones is a registered Professional Engineer in California as well as a registered Structural Engineer in Illinois and has been a practicing engineer since 1999. He holds a Bachelor of Science degree in Civil/Structural Engineering from the University of Illinois at Urbana-Champaign and a Master of Science degree in Civil/Structural Engineering from the University of California - Berkeley. Mr. Jones joined the Corps of Engineers in May 2008 and now serves as the Section Chief of the Structural Engineering Section. Prior to the Corps, Brant spent 7 years with the Defense Nuclear Facilities Safety Board in Washington, DC. He also has 2 years of experience working for private engineering firms.

Kirk Atwater is an Engineer-In-Training with the Army Corps of Engineers, Rock Island District. He holds a Bachelor of Science degree and a Master of Science degree in Civil/Structural Engineering from the University of Illinois at Urbana-Champaign. Mr. Atwater joined the Corps of Engineers as a Department of Defense SMART Scholar in 2012. He has more than 5 years of experience with the Corps of Engineers designing and inspecting hydraulic steel structures during normal and emergency operations.

OFFICERS AND DIRECTORS

President

John Lazzara, P.E.
HDR Engineering, Inc.
8550 W. Bryn Mawr Avenue, Suite 900
Chicago, IL 60631
(773) 380-7938

Past President

Thera Baldauf, P.E.
MWH Americas, Inc.
350 N. Orleans Street, Suite 1301
Chicago, IL 60654
(312) 831-3043

President-Elect

Dhooli Raj, P.E.
Collins Engineers, Inc.
123 N. Wacker Drive, Suite 900
Chicago, Illinois 60606
(312) 236-5119

Secretary

Megan A McDonald, P.E., LEED AP
TranSystems
222 South Riverside Plaza, Suite 610
Chicago, IL 60606
(312) 669-5824

Treasurer

John G. Green, Ph.D., P.E.
Mott MacDonald
120 South LaSalle Street, Suite 1240
Chicago, IL 60603
(312) 894-5369

Directors to 2017

Andrew Keaschall, P.E., S.E.
(312) 565-0450
Patrick Lydon, P.E.
(920) 737-5306
Andrew Walton, P.E.
(312) 930-5165

Directors to 2018

Katie Bell, P.E.
(630) 863-5123
Brett Sauter, P.E., S.E.
(773) 355-2936
Don Oliphant, P.E.
(847) 823-0500

Chair, Geo-Institute

Ati Fathi, P.E.
GEI Consultants, Inc.
30 N. LaSalle, Suite 1515
Chicago, IL 60602
(312) 985-0364

Chair, Structural Engineering Institute

Kendra Bleers, P.E., S.E.
Jacobs
525 W. Monroe, Suite 1600
Chicago, IL 60661
(312) 612-7234

Chair, Environmental & Water Resources Institute

Brian Olson, P.E.
Greeley and Hansen
100 S. Wacker Drive, Suite 1400
Chicago, IL 60606
(312) 578-2476

Chair, Urban Planning & Development Group

Jay Olson, P.E.
GSG Consultants, Inc.
910 West Lake Street, Suite 110
Roselle, IL 60172
(630) 536-6807

Chair, Transportation & Development Institute

Thomas Borges, P.E.
Bloom Companies, LLC
150 N. Wacker Drive, Suite 1650
Chicago, IL 60606
(312) 248-8628

Chair, Younger Member Group

Monica Crinion, P.E.
WBK Engineering, LLC
8 East Galena Boulevard, Suite 402
Aurora, Illinois 60506
(630) 338-8555

**ILLINOIS SECTION
AMERICAN SOCIETY OF CIVIL ENGINEERS**

35W749 Bluff Drive, St. Charles, IL 60175

Phone * (630) 443-8145

EMAIL: illinoissection@isasce.org * WEBSITE: <http://isasce.org>



Date & Time: May 24, 2017

Cocktails at 5:30 pm; Dinner at 6:00 pm

Presentation following dinner

Location:

Pazzo's

311 S. Wacker Drive, Chicago, IL

Cost:

\$50 – with reservation

\$35 government/education

\$25 for fulltime students – with reservation

\$5 fee – without/late RSVP

Make checks payable to ASCE Structural Group

PDH:

1.0 PDH will be awarded for continuing education

RSVP:

Tom Janicke, asce.il.struct@gmail.com by May 19, 2017