

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>



SEI ILLINOIS CHAPTER NOVEMBER DINNER MEETING

Lessons Learned, A Case Study: The Marquette Interchange Pier TS7

Presented by:

Tony Shkurti Ph.D., PE, SE

Abstract:

The Marquette Interchange, a highway system since the 1960s, was replaced with new structures and roadways. The interchange of I-94, I-794 and I-43 is the cornerstone of the southeastern Wisconsin freeway system. The \$810 million project included a 5-level system interchange, 5 miles of interstate, 28 ramps, 56 bridges totaling 2.1 million square feet of bridge deck and 5 miles of retaining wall. Construction was phased so that traffic can flow through the interchange throughout the entire four-year reconstruction process. Extensive mitigation and public information campaigns were carried out to provide transportation choices and inform motorists of available routes during construction. HNTB, as part of Marquette Transportation Partners, designed the Marquette Interchange Reconstruction. The project was successfully delivered on time and to client satisfaction.

During a routine, mandatory bi-annual inspection, it was determined that there were serious problems with the performance of one specific pier, Pier TS7. Extensive, unexpected cracking was appearing in the concrete pier caps and beyond. Tony will provide an overview of the project, the problems encountered with Pier TS7 and an overview of the reconstruction process.

Speaker Bio:

HNTB Fellow Tony Shkurti, Ph.D., PE, SE is a licensed structural engineer with extensive experience in bridge design and serves as the Great Lakes Division Structural Lead at HNTB, Corp. and the Structural Task Lead and Engineer of Record for eight flyover ramps in a five-level congested interchanges designed with curved steel trapezoidal girders of the Marquette Interchange Project. He earned his undergraduate degree in Structural Engineering from the University of Tirana in Albania, Masters of Science from Wayne State University in Detroit and his Doctorate of Philosophy in Structural Engineering from the University of Illinois at Urbana-Champaign.

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:** November 8, 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
\$25 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 November 3, 2017

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>

