

**President**

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

**Past President**

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

**President-Elect**

John G. Green, Ph.D., P.E.  
Mott MacDonald  
10 South LaSalle Street, Suite 2520  
Chicago, IL 60603  
(312) 894-5369

**Secretary**

Megan A McDonald, P.E., LEED AP  
Clark Dietz, Inc.  
118 S. Clinton Street, Suite 700  
Chicago, IL 60661  
(312) 466-8249

**Treasurer**

Brian Pawula, P.E., PMP  
Thomas Engineering Group, LLC  
55 W. 22<sup>nd</sup> Street, Suite 300  
Lombard, IL 60148  
(847) 922-6125

**Directors to 2018**

Rachael Berthiaume, P.E.  
(630) 729-6562  
Don Oliphant, P.E.  
(847) 823-0500  
Brett Sauter, P.E., S.E.  
(773) 355-2936

**Directors to 2019**

Thomas Borges, P.E.  
(312) 876-9500  
Sandra Homola, P.E.  
(312) 616-5095  
Brian Olson, P.E.  
(312) 578-2476

**Chair, Geo-Institute**

Brandon Hughes, P.E., S.E.  
Thatcher Foundations Inc.  
7100 Industrial Hwy.  
Gary, IN 46406  
(773) 721-9797

**Chair, Structural Engineering Institute**

Joe Kauzlarich, P.E., S.E.  
Michael Baker International  
200 W. Adams Street, Suite 2800  
Chicago, IL 60606  
(312) 575-3912

**Chair, Environmental & Water Resources Institute**

Matt Moffitt, P.E., CFM, CPESC  
Baxter & Woodman  
8430 W. Bryn Mawr Avenue, Suite 400  
Chicago, IL 60631  
(815) 444-4470

**Chair, Urban Planning & Development Group**

William Cussen, P.E.  
GSG Consultants, Inc.  
910 West Lake Street, Suite 110  
Roselle, IL 60172  
(630) 529.8000

**Chair, Transportation & Development Institute**

Matt Kirby, P.E.  
HNTB Corporation  
1 S. Wacker Drive, Suite 900  
Chicago, IL 60606  
(312) 930-9119

**Chair, Younger Member Group**

Tina Revzin, P.E., S.E.  
TranSystems  
222 S. Riverside Plaza, Suite 610  
Chicago, IL 60606  
(312) 669-5828

## SEI ILLINOIS CHAPTER MAY DINNER MEETING

### Illinois Tollway: Inspection and Load Rating of Post-Tensioned Segmental Bridges

Presented by:

**Brett Sauter, P.E., S.E. & Elias Ajami (ISTHA)**

#### Abstract:

The interchange of the Veterans Memorial Tollway (I-355) and the Ronald Reagan Memorial Tollway (I-88) in Downers Grove, Illinois contains four post-tensioned segmental concrete box girder bridges. Built in 1988, they range in length from 558' to over 2,000' on horizontally curved alignments and are supported by tall piers with post-tensioned elements. To maintain the integrity of this vital infrastructure, the Illinois Tollway tasked Ciorba to perform full in-depth inspection, material testing, assessment of the P-T condition, and load rating through time-dependent Finite Element analysis for current and additional future lane configurations.

#### Speakers' Bio:

Brett Sauter is the Structural Group Manager at Ciorba Group. He has over 17 years of experience in the study and design of bridge improvement projects including prestressed precast concrete and steel bridges on curved alignments, post-tensioned concrete bridges, and steel arch structures. Brett is a licensed Structural Engineer in Illinois and is a licensed Professional Engineer in five states. He received his bachelors from Valparaiso University and his masters from University of Illinois at Chicago.

Elias Ajami earned a Bachelor of Science degree in structural engineering and materials from the University of Illinois in 1981 and a master's degree in civil engineering from Midwest College of Engineering in 1982. He has more than 35 years of experience in designing, rating and inspecting bridges and other structures. He has been with the Illinois Tollway for more than 26 years as a bridge program manager. His job is to ensure that Tollway bridges and other structures are safe and well-maintained, perform review of bridge condition reports and structural repair plans, evaluate bid documentation and contractor's qualifications and investigate structural damage by vehicular or other incidents. He has been commended by the Illinois Department of Transportation and Federal Highway Administration for his efforts to properly inspect and maintain the Illinois Tollway's bridges.

OFFICERS AND DIRECTORS

President

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

Past President

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

President-Elect

John G. Green, Ph.D., P.E.  
Mott MacDonald  
10 South LaSalle Street, Suite 2520  
Chicago, IL 60603  
(312) 894-5369

Secretary

Megan A McDonald, P.E., LEED AP  
Clark Dietz, Inc.  
118 S. Clinton Street, Suite 700  
Chicago, IL 60661  
(312) 466-8249

Treasurer

Brian Pawula, P.E., PMP  
Thomas Engineering Group, LLC  
55 W. 22<sup>nd</sup> Street, Suite 300  
Lombard, IL 60148  
(847) 922-6125

Directors to 2018

Rachael Berthiaume, P.E.  
(630) 729-6562  
Don Oliphant, P.E.  
(847) 823-0500  
Brett Sauter, P.E., S.E.  
(773) 355-2936

Directors to 2019

Thomas Borges, P.E.  
(312) 876-9500  
Sandra Homola, P.E.  
(312) 616-5095  
Brian Olson, P.E.  
(312) 578-2476

Chair, Geo-Institute

Brandon Hughes, P.E., S.E.  
Thatcher Foundations Inc.  
7100 Industrial Hwy.  
Gary, IN 46406  
(773) 721-9797

Chair, Structural Engineering Institute

Joe Kauzlarich, P.E., S.E.  
Michael Baker International  
200 W. Adams Street, Suite 2800  
Chicago, IL 60606  
(312) 575-3912

Chair, Environmental & Water Resources Institute

Matt Moffitt, P.E., CFM, CPESC  
Baxter & Woodman  
8430 W. Bryn Mawr Avenue, Suite 400  
Chicago, IL 60631  
(815) 444-4470

Chair, Urban Planning & Development Group

William Cussen, P.E.  
GSG Consultants, Inc.  
910 West Lake Street, Suite 110  
Roselle, IL 60172  
(630) 529.8000

Chair, Transportation & Development Institute

Matt Kirby, P.E.  
HNTB Corporation  
1 S. Wacker Drive, Suite 900  
Chicago, IL 60606  
(312) 930-9119

Chair, Younger Member Group

Tina Revzin, P.E., S.E.  
TranSystems  
222 S. Riverside Plaza, Suite 610  
Chicago, IL 60606  
(312) 669-5828

ILLINOIS SECTION  
AMERICAN SOCIETY OF CIVIL ENGINEERS

35W749 Bluff Drive, St. Charles, IL 60175

Phone \* (630) 443-8145

E MAIL: [illinoissection@asce.org](mailto:illinoissection@asce.org) \* WEBSITE: <http://isasce.org>



**Date & Time:** May 16, 2018  
Cocktails at 5:30 pm; Dinner at 6:00 pm  
Presentation following dinner

**Location:** The Railcar Club  
215 N Clinton St., Chicago IL 60661

**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:** [Event Registration](#) by May 11, 2018

**Additional information:** [Click Here](#) or contact Emery Waterhouse, at [asce.il.struct@gmail.com](mailto:asce.il.struct@gmail.com)