

NEWS THIS MONTH

HCTRA ENGINEERS
TALKING ABOUT
CONSTRUCTIONS OF
SH249/SH99
INTERSECTION BRIDGE

UPCOMING EVENTS

"Aerodynamics of Bridge
Rehabilitation,
Modifications and
Retrofits" By Dr. Guy
Larose on 10/26/2021.

GET TO KNOW YOUR COMMITTEE MEMBER

David Zheng, P.E.,
Chair of SEI Houston



Aerial View of SH249/SH99 Intersection Bridge Under Construction



Mehmet (Matt) Kelekci,
P.E., PMP



Michael Schmidt, P.E.

HCTRA ENGINEERS TALKING ABOUT CONSTRUCTIONS OF SH249/SH99 INTERSECTION BRIDGE

On September 28, 2021, Mr. Mehmet (Matt) Kelekci and Mr. Michael Schmidt delivered a SEI Technical Session Webinar, titled "Constructing Curved U96 Girders at SH 249 / SH 99 Interchange".

During the webinar, Matt and Michael introduced the construction process of post-tensioned curved U96 girders for SH249/SH99 interchange project, which is the first of its kind in Texas. They shared the challenges encountered during the constructions and the creative solutions they came up with.

The webinar attracted a large crowd of audiences. Among 48 registrations, most of them are seasoned PE from various companies. Also, we got one student from UH join the webinar. The webinar earned a huge positive response.



Guy Larose, PhD, P.Eng.

UPCOMING EVENTS

- **"Aerodynamics of Bridge Rehabilitation, Modifications and Retrofits" By Dr. Guy Larose on 10/26/2021.** Dr. Larose is an internationally recognized authority in wind engineering, long-span bridges, and aerodynamics. More detail can be found via link below:

<https://ascehouston.org/meetinginfo.php?id=602&ts=1633458550>



William Coulbourne, P.E.

- **"Flood Design Using ASCE 7 and ASCE 24" by Mr. William Coulbourne on 11/18/2021.** The webinar will cover the basic requirements for flood design using ASCE 7-16 and ASCE 24-14. He is a Fellow of the American Society of Civil Engineers (ASCE) and a Fellow in the Structural Engineering Institute (SEI) of ASCE. He actively participates on the ASCE engineering standards committees for ASCE 7 Minimum Design Loads for Buildings and Other Structures for wind loads and flood loads, and ASCE 24 Flood Resistant Design and Construction.

<https://ascehouston.org/meetinginfo.php?id=619&ts=1634748485>



David Zheng, P.E.

GET TO KNOW YOUR COMMITTEE MEMBER

Mr. David Zheng is a professional engineer registered in Texas, with 10+ years' experience on structural designs. He's currently a Bridge Engineer with Volkert Houston Office. He has been serving as a committee member since 2019. Currently he is the Chair of SEI Houston Chapter. In his spare time, he loves running, and has finished a half Marathon and a full Marathon so far.

WHAT DO YOU ENJOY MOST ABOUT SEI HOUSTON CHAPTER?

I enjoy our monthly technical seminars most, which is our signature program. Our committee members have been doing a fantastic job to bring in great speakers with the latest information from ongoing local projects, and valuable lessons learned.