



# ASCE CONNECTION

INDUSTRY NEWS AND EVENTS

SEATTLE SECTION

December 2022

JOINT ASCE SEATTLE & TACOMA-OLYMPIA  
DECEMBER MEETING:

**INTERSTATE 395  
SIGNATURE BRIDGE**  
SPEAKER: MIKE LAMONT, HDR

JOIN US VIRTUALLY ON ZOOM  
WEDNESDAY, DECEMBER 14  
5:30PM - 7:00PM



## December Joint Meeting with Tacoma-Olympia

**Topic:** Interstate 395 Signature Bridge

The "Signature Bridge" for the reconstruction of Interstate 395 near Downtown Miami is now under construction. Destined to become an icon, the bridge is the largest precast concrete segmental arch bridge in North America.

The Signature Bridge, named the Fountain, consists of six arches, its largest arch soaring 325 feet above the ground and spanning 650 feet across. A "floating" 1,025 feet suspended cast in place concrete deck spans two busy roadways. The 3D nature of the arches with splayed and unsymmetrical stay cable arrangement presents a unique bridge engineering challenge. Their design reflects an innovative deployment of segmental bridge technology to arch construction.

The design team responsible for this one-of-a-kind bridge design consisted of HDR staff in multiple offices, utilizing work-share tools and online collaboration skills developed on other design-build mega-projects to tap into nation-wide expertise. Presentation will cover key design aspects and project management, and in-progress construction photos will also be shared.

**Speaker:** Mike Lamont, HDR

**Date:** Wednesday, December 14

**Time:** 5:30pm - 7:00pm

**Location:** Virtual, Zoom (register for link)

[Register Here](#)



### December President's Column

By Elyssa Dixon, PE

ASCE Seattle Section President

Hello Seattle Section!

I was excited for rain at this time last month and it's hard to believe that I am now excited for snow! I

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JANUARY 2023  
NEWSLETTER  
CONTENT DEADLINE:  
December 20, 2022

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hope you are all staying warm.

Our November meeting was a great opportunity to hear perspectives from two of our leaders on their personal and professional journeys. I always appreciate learning new ways to grow my awareness. We also welcomed our new board members with the help of Bernie Sison, our Region Governor based out of the Tacoma/Olympia Section. We are still looking for a secretary and treasurer, so please be in touch if you are interested!

This month, we will be joined by the Tacoma/Olympia Section for a presentation on the reconstruction of I-395 and the largest precast concrete segmental arch bridge in North America. The design team included staff in multiple offices and HDR will share skills they have developed for effectively managing design-build mega-projects utilizing a team from across the country.

See below for other ways you can get involved with our community and feel free to reach out any time. I hope to see you soon (we will have something in person in January, so keep a lookout!)

## Sign Up for the Seattle YMF Mentorship Program



Looking to build more connections within ASCE? Sign up for this year's Mentorship Program and get engaged with fellow members to discuss experiences, share lessons learned, and build close relationships during these socially distant times! We are always looking for more mentors and mentees to participate, so please feel free to share far and wide with your peers and networks.

(\*Note: Mentors are typically people >35 years old who have greater experience working in the civil engineering field.

Mentees are typically members of the YMF (or students) who are just beginning their career in civil engineering. If you're YMF and interested in mentoring student, please note in sign up form)

Contact [mentor@seattleasce.org](mailto:mentor@seattleasce.org) with any questions!

Mentor Application

Mentee Application

## Upcoming Committee Meetings

## History & Heritage Committee

The ASCE Seattle **History and Heritage Committee's** next meeting will be held on **Saturday, December 10, at 8:30am**. History & Heritage Committee meetings are held via Zoom. If you are interested in joining ASCE Seattle's History and Heritage Committee or attending their monthly virtual meetings, reach out to [Cindy Hirsch](#).

## North Branch

### Leadership Officers Needed

The North Branch is currently looking for motivated individuals to be part of the leadership team starting from October 2022 until September 2023. We have the position of Vice President (President-Elect) open. Please contact Jeff Colon, North Branch President, at [ascenorthbranch@gmail.com](mailto:ascenorthbranch@gmail.com) for more information.



## Diversity Committee

The next Diversity Committee Meeting is scheduled for **Tuesday, December 20 at 5pm**.

If you are interested in joining ASCE Seattle's Diversity Committee or attending their monthly virtual meetings, reach out to Diversity Chair, [Joshua Shin](#).

## Younger Member Forum (YMF)

Interested in networking events and opportunities with ASCE Seattle's Younger Members? Be sure to [subscribe to the YMF Newsletter here](#) to stay up to date.

## Save the Date for the YMF Holiday Party

**Thursday, December 8 at 6pm**

**Bad Jimmy's Brewing Company**

**4358 Leary Way NW, Suite B, Seattle**

Come celebrate the year with your YMF family for a Friends-giving & potluck style holiday party! Bring a family favorite and stories to share!

Main dish will be provided. Potluck sign up to come.

We will also be hosting a charity drive during the event, more details to follow!

Can't wait to celebrate with you all!

[RSVP Here.](#)

## LOCEA Spotlight

Congratulations to the winners of the 2022 LOCEA Awards (presented March, 2022)! Each month we will be highlighting a different LOCEA award winning project. This month we are pleased to highlight the winner in the **Honor Award: Transportation & Development Engineering Project Category**:

### Seattle-Tacoma International Airport (SEA) North Satellite Modernization

**Project Owner:** Port of Seattle

**Nominated by:** AECOM

AECOM led the civil and architecture design team for the 468,000-square-foot expansion and modernization of the 40-year-old satellite concourse. The Seattle-Tacoma International Airport (SEA) North Satellite Modernization (NSAT) is a 50% expansion of the existing terminal and complete architectural redesign with structural seismic upgrade and all new building mechanical systems. The project added eight new aircraft gates (for a total of 20), new PCC commercial apron areas, Alaska's flagship lounge, hold rooms, a renovated transit station, concessions, art, expanded baggage handling, and airline/airport offices and support spaces.



Civil aspects of the project included 324,270 square-feet of new PCC apron constructed with the project, reconstruction and expansion, airfield apron drainage improvements including NFPA improvements for fuel spill capture, underground utility upgrades and relocations, apron storm system improvements for building roof drainage, hydrant aircraft fueling expansion, new triple taxiway layout, new aircraft parking markings and ground service equipment staging, electric charging stations for ground service equipment, and a new passenger boarding bridges. Construction was done in two phases to maintain Alaska's operation. Phase 1, the expansion, opened in 2019, and Phase 2 renovated the existing facility and opened in 2021. The project is set to achieve a LEED silver rating

## K-12 Volunteer Interest Form

Are you interested in volunteering for K-12 STEM events and interested in inspiring the next generation of engineers?

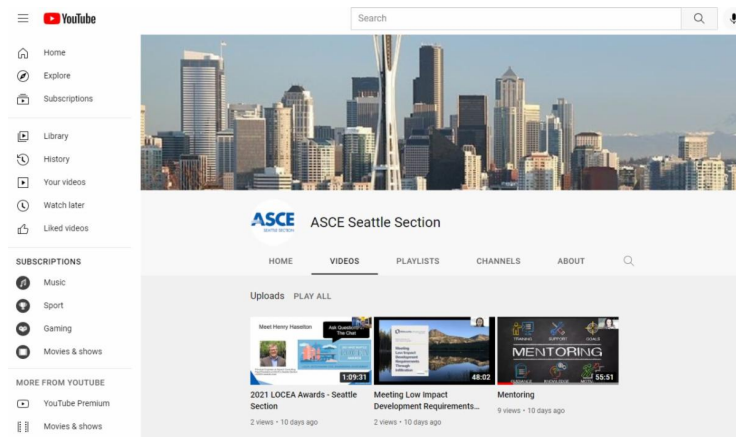
If you answered **YES**, please fill out the google form to the right if you would like to be updated about future K-12 volunteer events in the Seattle Area. After you fill out this form, you will be notified of K-12 volunteer opportunities in the area. Please know that you are not required to sign up for any event by filling out this form.

Please contact Nicki Peden (K-12 Outreach Chair) at [k12asce.seattle@gmail.com](mailto:k12asce.seattle@gmail.com) for any questions, comments or additional information



[Google Form](#)

## Section Meeting Recordings Now on YouTube!



ASCE Seattle is now on YouTube!

Find recordings of our past Section Meetings and subscribe to our channel to catch future videos here:

[ASCE Seattle Section - YouTube](#)

## ASCE Seattle Job Board

**[No Current Job Posts, Add Your Open Position Today!](#)**

Advertise your current open positions to ASCE Seattle members today for only \$75 for the first month and \$50 for each subsequent month of the same content.

[Email \[communications@seattleasce.org\]\(mailto:communications@seattleasce.org\) to learn more.](mailto:communications@seattleasce.org)

**DID YOU  
KNOW?**

All ASCE Seattle Members are always invited to join the Seattle Section Board Members at the monthly Board Meeting. Interested in attending? Check the [calendar on the ASCE Seattle website](#) for the meeting time and location and email [president@seattleasce.org](mailto:president@seattleasce.org) if you plan on joining us!

Are you passionate about social media? Interested in helping the Seattle Section grow our virtual presence? Reach out to our Communications Chair at [communications@seattleasce.org](mailto:communications@seattleasce.org), we're looking for creative minds to help grow and improve our social media!



