

THE

INFORMANT

NEWSLETTER OF THE MAINE SECTION ASCE

September 2020



From the Editor:

The Maine Section of ASCE hopes that the latest issue of The Informant finds you well. In these very strange times, we are working hard to bring you the events and content you have learned to expect from ASCE no matter what adversities come our way. Although our first few meetings will be a little different (Virtual and FREE!), we remain optimistic for the year ahead.

The Maine membership is very important to us and we want to make sure that you feel safe and comfortable coming to meetings. I have created a survey to find out if we can possibly retain some sort of normalcy this season. Please take 30 seconds and let us know how you're feeling!

<https://www.surveymonkey.com/r/WZKBV8C>

We miss you all and hope to see you soon!

Heather

- Page 1 – From the Editor
- Page 1 – Save the Date(s) & Reminders for the Maine Section of ASCE
- Page 2 – President’s Message
- Page 3 – Monthly Section Meeting
- Page 4 & 5 – Meet the Board!
- Page 6 – Volunteer Opportunity
- Page 6 - Planning during COVID
- Page 7 & 8 – H&H Scavenger Hunt
- Page 9 – Virtual National Convention
- Page 9 – Virtual Technical Conference
- Page 10 & 11 – Advertisements
- Page 12 – Maine ASCE Board & Contacts

Maine Section ASCE - Save the Date(s)

September 2020

		1	2	3	4	5
6	7 Labor Day!	8	9	10	11	12
13	14 Virtual Tech Conference	15	16	17	18	19 Service Project!
20	21	22	23	24 Virtual Monthly Meeting	25	26
27	28	29	30	Oct 1	Oct 2	Oct 3



President's Message

I hope everyone is having a great summer and finding safe ways to get out and enjoy the great State of Maine. I would like to start out by thanking my predecessor John Kuchinski for his service to the Maine Section of ASCE. John has been on the board for a number of years and a dedicated member for even longer. I would also like to thank each one of you for continuing to be members of ASCE. It is always great to meet all of you at different events throughout the year.

Coming off a spring of cancelations, the Maine Section of ASCE is eager to get back to work. We recently held our Summer Planning Meeting where we set our direction for the upcoming year. Throughout the year we will be working to navigate through the challenging times and the ever changing circumstances surrounding COVID-19. For the foreseeable future, all Maine Section ASCE meetings will be held virtually. I know we will be able to get through it together and come out stronger on the other end. Keep an eye on The Informant for future meetings and activities.

For the Month of September we have a couple events planned and we hope you will be able to join us. On September 19th we will be participating in a socially distanced service project for the Theater at Monmouth. The Theater is currently closed down due to COVID creating the perfect time to complete some needed renovations. ASCE will be providing volunteers to complete various renovations on the site. On September 24th, we will be hosting our first virtual monthly meeting of the year. Will Varrell and his team from WSP will be presenting on the MaineDOT Hampden Bridge Design-Build project on I-95. Please look for further details and registration information for both events below in The Informant.

Throughout the year, a group of 30+ engineers have been working diligently since January on analyzing and compiling data for this year's Maine ASCE Infrastructure Report Card. The last Maine Infrastructure Report Card was released in 2016 with an overall grade of a C-. We currently have all 16 infrastructure sections ranging from State Parks to Highways and Bridges drafted and sent to ASCE National for review and comment. Our goal is to release the 2020 Maine ASCE Infrastructure report card in late November. Look for more information in future informants!

Lastly, we are bringing back our Maine Section ASCE Historic Civil Engineering Landmarks scavenger hunt! Grab your family and head out to explore all 18 Maine Civil Engineering Landmarks and make memories that last a lifetime. This is great way to get out of the house, celebrate Maine's 200 Bicentennial, and socially distance. More info in the pages below!

Dan Bouchard, P.E.

Maine Section ASCE President



Maine Section ASCE Virtual Meeting

Hampden I-95 Bridge Replacement Design-Build

Presented by:

William Varrell, PE, LEED AP

WSP USA



Schedule:

11:00-11:45 AM ASCE Board Meeting
12:00 PM - 1:00 PM Presentation

Date:

September 24, 2020

Location:

VIRTUAL!



Will has 28 years of experience and has been based in the Boston, MA office since joining WSP in 2018. Will leads the New England structures group managing bridge and tunnel projects for MassDOT, MBTA and MaineDOT. He is currently the Project Manager for the Hampden I-95 Bridge Bundle DB project. He is also leading projects for the MBTA including oversight of a Bridge Inspection and Load Rating contract, managing a major rehabilitation to the Blue Line tunnel under the Boston Harbor and several bridge inspections. Prior to joining WSP, Will spent 26 years working on bridge projects for MassDOT and ConnDOT including several complex movable bridge designs.

Earn 1 PDH!

RSVP By September 22nd!

To Register or for more information, contact **Tom Perkins** (ASCE Maine Section Vice President)

Email: tperkins@dirigoae.com



Meet the Board!

Daniel Bouchard, PE (President)



Dan is a Maine native who grew up in Caribou and Old Town. He is a 2012 graduate from the University of Maine with a Bachelor of Science in Civil Engineering and a minor in Construction Management. He is a registered professional engineer in Maine and currently lives in Windham with his wife, baby girl and two dogs. In his spare time, he enjoys being outside in the great Maine weather, boating, skiing, beekeeping, and doing home improvement projects. He became active in ASCE as a student and has continued to stay involved after graduating. For him, ASCE became a good way to interact with other professionals in the field of engineering and a way to help inspire the next generation.

Esther Bizier, PE (President-Elect)



Esther was born, raised and live in Livermore, Maine. She graduated from the University of Maine in 2012 with a Bachelor's Degree in Civil and Environmental Engineering. During her time at UMaine, she was an active member of the ASCE Student Chapter, serving as Treasurer and President. After college, she became involved with the Maine Section of ASCE and enjoys the many opportunities it provides members. She is excited to continue working with the Student Chapter developing programs, such as our student ski day, to foster interaction, networking and relationships between students and professionals. Outside of ASCE and work she is active in her community and church; helping out with local events and fundraisers, serving on the board of Maine's Paper and Heritage Museum, and playing clarinet in the Spruce Mountain Community Band. She also enjoys spending time outside in western Maine – running, hiking, paddleboarding, swimming and cross country skiing.

Thomas W. Perkins, PE (Vice President)



Mr. Perkins received his BS in Construction Management Technology in 1996 from the University of Maine. He has worked as a construction manager and engineer all over the country, and started his own firm, Dirigo Architectural Engineering, in 2009. He is a licensed professional engineer (architectural discipline) in four states, and is a member of the adjunct faculty at UMaine. He resides in Turner, where he chairs his town's planning board. Tom actively volunteers his time to coach youth sports and mentors students pursuing a career in engineering and construction.



Heather Hayes, PE (Secretary, Editor: The Informant)



Heather is a structural and project engineer at James W. Sewall Company. She graduated from the University of Maine in 2011 with her BS and 2013 with her MS in Civil and Environmental Engineering. Sewall Company has provided her the opportunity to work on a variety of projects to improve our local communities, including structural design, pavement scoping and quality assurance and project management. At the University of Maine she worked at the Advanced Structures and Composites Center doing research on the Bridge in a Backpack Project™. Prior to working for Sewall, she worked Louis Berger for 5 years as a structural bridge engineer working on transportation projects in Maine, Rhode Island, Georgia, Massachusetts, and New Hampshire. She has been the Informant Editor since 2014 and is excited to see how the membership is pushing their limits to overcome the challenges 2020 is presenting.

Don LeBlanc, PE (Year 3 Director)



Don LeBlanc is the president of DLVEWS, Inc. He has been in the industry for 13 years. He started his career as a design engineer for storm water treatment devices and storage solutions. During those years he has had an opportunity to work closely with consulting engineers, DOT maintenance crews, and other entities. Mr. LeBlanc holds a BS in Civil Engineering from the University of Maine and is a registered Professional Engineer. His company specializes in infrastructure rehabilitation which includes trenchless culvert rehabilitation, sub grade fill applications, and manhole and pipe rehabilitation across the northeast. Don is an active member of the culvert committee of the Transportation Research Board and a member of the ASCE Maine Chapter.

Lindsey Kandiko (Year 2 Director)

Lindsey is a 2015 graduate from the University of Maine with a BS in Civil and Environmental Engineering. She joined the Department of Transportation in 2016 as an Assistant Engineer for the Western Maine Region. At the DOT, she works mostly on roadway rehabilitation and large culvert replacement projects. She was involved in ASCE through college, where she was on the student chapter board, concrete canoe captain, and planner of the 2015 regional concrete canoe competition. She recently helped judge at the regional student conference held by the University of Maine.

Nate Powelson (Year 1 Director)

Nate is a project engineer at Criterium Engineers. He graduated with a BS in Civil Engineering from Clarkson University in 2007 and a MS in Civil Engineering with a concentration in Structural Engineering from the University of Hawaii at Manoa in 2010. He has worked on projects throughout the country. His experience includes failure investigation, repair and rehabilitation design, bridge design, property condition assessments, and structural analysis and evaluation. He currently lives in Gorham with his family. He is an active member of Structural Engineers of Maine and ASCE.



Service Project

SATURDAY, SEPTEMBER 19

Service Project at



THEATER AT MONMOUTH

Professional Theatre | Enriching Maine | Engaging Communities

ASCE will help with some general maintenance tasks which may include painting, sheet rock installation, plaster repair, etc.

Work day starts at 9am and we will likely finish up in the early afternoon.
Maine ASCE will provide snacks and lunch for all volunteers!

To sign up contact Esther Bizier (esther@main-landdci.com, 931-8484) by Monday, September 14 so that we know how many people to anticipate.

Address: 796 Main Street, Monmouth, ME

We hope to see you there!

Planning Meetings during COVID



Maine Summer Planning Meeting

- Virtual Platform Utilized: Skype for Business
 - Did not utilize video capabilities, but utilized screen share
 - Worked well: Ability to mute participants
 - Had difficulty setting up in new environment with different technology
- Maine Board Meeting Logistics:
 - Board only meet in person, committee members called in
 - Location of Meeting:
 - Held at local Chamber of Commerce
 - Large enough for social distancing
 - Had technology to hold virtual meetings:
 - Multiple Microphones in room
 - Multiple Screens in room
 - Followed current Maine Covid-19 guidelines

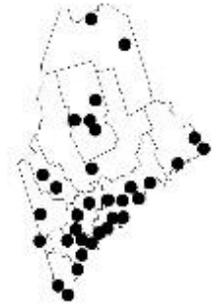
The Maine Section ASCE President Daniel Bouchard presented to the national leadership training committee on how our section successfully hosted the annual summer planning meeting in person for those comfortable attending, and virtual for those who either could not make it or chose to physically distance. The presentation was well received by nationals who are continually looking for ways to safely improve communications during these times and keep an open dialogue with local leadership.

Keep up the good work Dan!



Maine ASCE History & Heritage Scavenger Hunt!

Greetings Maine ASCE! It's been a long few months as we all learn to adjust to a pandemic world and while we still can't gather in our usual way for our monthly section meetings, we wanted a fun way to encourage our members to get out and explore in small groups or with family members. It seemed like the perfect time to revisit the Maine ASCE Historic Landmark Scavenger Hunt! This event had a great turnout several years ago when we introduced it and since everyone is looking for safe ways to get out of the house, what better way by making the trip to one or several Historic Civil Engineering Landmarks? As always, the scavenger hunt is open to all Maine ASCE members as well as family and friends.



Goals:

- Share our love for Civil Engineering
- Take photos of our landmarks to share on social media and our Section website (yes, it's up and running!)
- Create a little friendly-competition within the Maine section, while having FUN!
- Visit places we may have never thought to visit or have not had time to visit before
- Help out ASCE in their Historic Civil Engineering Landmark Inventory Project (details of how you can help will be sent to each team that registers)

"Rules"

- Create a team of 2-6 Members. At least 1 member on each team must be a member of the Maine ASCE Section. Looking to join a team, but can't entice any friends? Not a problem, we are happy to set one up for you. Contact Esther Bizier (esther@main-landdci.com) today!
- Pick a fun and creative team name!
- Visit as many of the selected Maine ASCE Historic Civil Engineering Landmarks from the list on the next page as possible, from now through the 2021 Maine Section Annual Meeting.
- Take a photo at each location you visit of the landmark and the ASCE Historic Landmark plaque. At least one team-member **MUST** be in the photograph you submit. If you do not wish to have your photo shared on our website or social media pages, please put a disclaimer in the e-mail. E-mail photographs to Esther with "ASCE Scavenger Hunt" in the subject line. Please also note the location, date and team members who visited the site. Feel free to submit multiple photographs of each location that you are willing to share. Upload your photos to your own Facebook page or Instagram account with the hashtag #maineasce or #maineascehistoryandheritage

Judging:

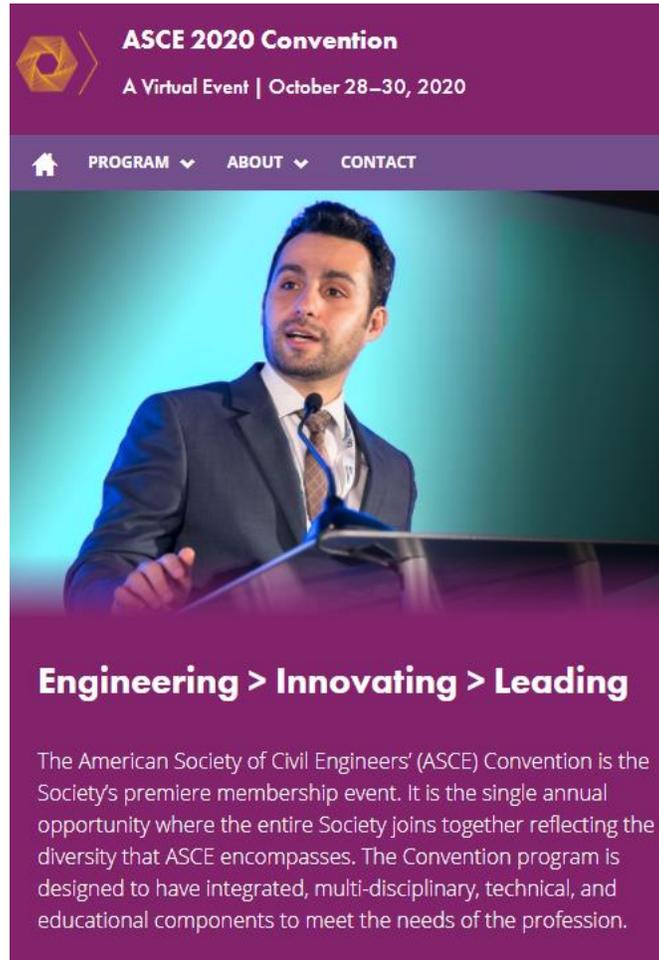
- Prizes will be awarded at the completion of the event.
- Things to keep in mind – Creative team name, widest age spread on Life Member – Younger Member Team, Number of landmarks you were able to visit, Creativity of photographs taken, Artistic ability of photographs taken, and more!



Historic Civil Engineering Landmark Sites to Visit!

- Acadia Carriage Roads**
- Androscoggin Swinging Bridge**
- Bailey Island Bridge**
- Bangor International Airport**
- Cumberland & Oxford Canal**
- Dragon Cement Plan & Quarry**
- Hemlock Bridge**
- Maine Turnpike**
- Poland Spring Bottling Plan & Spring House**
- Portland Head Light**
- Portland Observatory**
- Robyville Bridge**
- Sewall's Bridge**
- Songo Lock**
- Thomas Hill Standpipe**
- Waldo-Hancock Suspension Bridge**
- Watson Settlement Bridge**
- Wire Bridge**



ASCE 2020 Convention
A Virtual Event | October 28–30, 2020

PROGRAM ▾ ABOUT ▾ CONTACT

Engineering > Innovating > Leading

The American Society of Civil Engineers' (ASCE) Convention is the Society's premiere membership event. It is the single annual opportunity where the entire Society joins together reflecting the diversity that ASCE encompasses. The Convention program is designed to have integrated, multi-disciplinary, technical, and educational components to meet the needs of the profession.

<https://www.asceconvention.org/registration>



Sept 14–18, 2020

**ASCE Virtual
Technical
Conference
2020**

A global event powered by the Institutes of ASCE

**KICK THE SCORE UP
AND LET CHANGE
HAPPEN**

<https://vtech.asce.org/registration>



Advertisements



Lisa C. Dolphin, PE
SENIOR MANAGING ENGINEER –
WATER RESOURCES

ldolphin@shumakereengineering.com

Providing:
- Surveying
- Civil Engineering
- Construction Inspection
- Environmental Services

With specialty experience
in Water Resources:

- Stream Restoration
- Flood Risk Mitigation
- Post Construction Stormwater Management
- Soil Erosion and Sediment Control



- Culvert Rehabilitation projects
 - Snap-Tite, CMP, Large Diameter HDPE
- Inflow & Infiltration Solutions (Cretex)
 - Pro-Ring, Pipe/MH & Frame Seals
- Low Density Cellular Concrete used for geotechnical & pipe fill applications



DLVEWS CONTACT: Don LeBlanc, P.E.
207-992-3080
don@dlvews.com



Kleinschmidt

DIRIGO



ARCHITECTURAL
ENGINEERING ▲ CONSTRUCTION MANAGEMENT

WWW.DIRIGOAE.COM | 207.225.3040

BUILDING ENVELOPE INVESTIGATION | COMMERCIAL BUILDING DESIGN | ENERGY SERVICES
CONSULTING | OWNER'S REPRESENTATIVE SERVICES | HISTORIC PRESERVATION

Est. 1974



MAIN-LAND

DEVELOPMENT CONSULTANTS, INC.

Engineers, Surveyors, Scientists

Professional Land Surveying • Professional Engineering • Certified Soils Science
Wetlands Delineation • Geotechnical Engineering • Hydrogeology • Forestry

(207) 897-6752
69 Main St, PO Box Q
Livermore Falls

www.main-landdc.com
mainldc@main-landdc.com
Fax: (207) 897-5404

An integrated engineering, science and operations firm serving public and private clients locally and nationwide.



207.774.2112 | woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

Portland • Bangor





R.W. Gillespie & Associates

- Geotechnical Engineering
- Environmental Consulting
- Materials Testing Services

Biddeford, Maine 207-286-8008

Newington, New Hampshire 603-427-0244

Mansfield, Mass. 508-623-0101

www.rwgillespie.com



We thrive on challenges

Providing environmental, ground engineering, and design services for transportation, government, and energy sector clients

Regional offices in Manchester, NH and York, ME
golder.com



LEWISTON, MAINE
 (207) 576-3313



ROCKLAND, MAINE
 (207) 318-7761

Blais
 civil engineers

Engineering | Regulatory Permitting | Construction Services

27 Gorham Road, Suite 207 | Scarborough, ME 04074
 207.730.7200 | www.blaisce.com

Sewal

The evolution of expertise

A **TFIC** Company

Advertise with Maine ASCE

Would you like to advertise in the Informant? Take a look at our rates below, and contact the editor at Informant.ASCEMaine@gmail.com with any questions.

Business Cards

Do you run your own consulting firm, or have a business that the Maine engineering community should know about? Advertise with a business card! Business card listings run for 1 year, including 9 issues of the Informant and full time on the website. Cost: \$150.00 Discounts Available: Purchase a 1-year Business Card ad and receive a \$25 discount on a Job advertisement!

Job Listings

Advertise for new employees at any level – students, EITs, and PEs will all see your ad.

Job advertisements are posted in one issue of the Informant, and will run on the website for one month.

Cost: Quarter Page (3.75"x5") - \$35

Half Page (7.5"x5") - \$75 for 1 month
 - \$500 for 1 year (9 issues)

Full Page (7.5"x10") - \$150 for 1 month
 -\$1000 for 1 year (9 issues)

The deadline for submissions is the 20th of each month prior to publication.



MaineASCE Board & Committee Contacts

NAME	POSITION	COMPANY	EMAIL
Leadership Board			
Dan Bouchard	President	WSP	President.ASCEmaine@gmail.com
Esther Bizier	President-Elect	Main-Land Development Consultants, Inc.	ElectPresident.ASCEmaine@gmail.com
Tom Perkins	Vice President	Dirigo Architectural Engineering	VicePresident.ASCEmaine@gmail.com
Lynn Frazier	Treasurer	Sewall Company	Treasurer.ASCEmaine@gmail.com
Heather Hayes	Secretary	Sewall Company	Secretary.ASCEmaine@gmail.com
Don LeBlanc	Director (Year 3)	DLVEWS, Inc.	Director3.ASCEmaine@gmail.com
Lindsey Kandiko	Director (Year 2)	MaineDOT	Director2.ASCEmaine@gmail.com
Nate Powelson	Director (Year 1)	Criterium Engineers	Director1.ASCEmaine@gmail.com
John Kuchinski	Past President	City of Lewiston	
Committee Chairs			
Tom Perkins/Heather Hayes	A/E Golf Tournament Awards	University of Maine	Philip.Dunnjr@Maine.edu
Phil Dunn	Diversity	Main-Land Development Consultants, Inc.	
Esther Bizier			
Lauren Swett	E-Week Organizing Committee	Woodard & Curran	Lswett@woodardcurran.com
Will Haskell	History & Heritage Co-Chair	Gorrill-Palmer	WHaskell@gorrillpalmer.com
Heather Hayes	Informant Chair	Sewall Company	Informant.ASCEmaine@gmail.com
Peter Merfeld	Infrastructure Report Card	Maine Turnpike Authority	pmerfeld@maineturnpike.com
Mike St. Pierre	Legislative Affairs	S.W. Cole Engineering, Inc.	
Tim Merritt	Life Member Activities	Stantec Consulting Services	tim.merritt@stantec.com
John Kuchinski	Membership		
	Nominating		
Don LeBlanc	Program		
	School Age Outreach		
Mike St. Pierre	Public Relations	S.W. Cole Engineering, Inc.	
Leslie Corrow	Scholarship	Kleinschmidt Associates	Leslie.Corrow@KleinschmidtGroup.com
Heather Hayes	Technical Seminar		
CeCe Mceachern	UMaine Student Advisor/Practitioner		
	UMaine Faculty		
Eric Landis	Advisor	University of Maine	landis@maine.edu
Heather Hayes	Transportation Conference		