ITE Washington Section Newsletter

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Looking to 2020: ITE/IMSA Conference

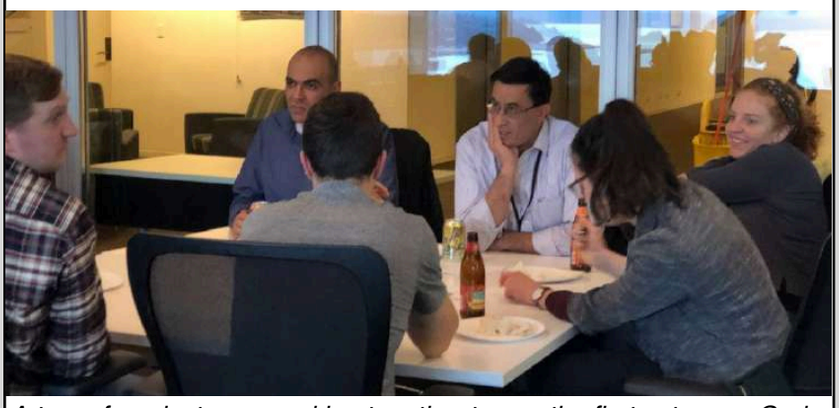
Hope to see you all in Vancouver BC!

Register HERE! Early bird rates available through April 24th.

Save the Date and Join the Fun!

ITE Washington's Third Annual Trivia Night

April 7th, 2020



A team from last year working together to ace the first category. Grab your friends and join us this year!

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president's message

Greetings ITE members! On behalf of the board we are pleased to have prepared an annual Section Activities Report, submitted to WesternITE. With this report our section is eligible for the Section Activity Award based on ITE International and WesternITE policy priorities. Preparing this report showed us how well we are doing as the ITE Washington Section. We hope you read the report! Thank you to Daniel Lai, in his new position as Section Representative to WesternITE for spearheading the effort. There are select elements where we could increase our activity.

We are looking for members interested in participating in the following:

- **K-12 STEM Outreach:** This activity can be what we make of it. There is curriculum available from ITE International. The Safety Committee would like to do presentations to high school health classes – sending important messages on driver safety with the added benefit of introducing high school students to a career in transportation

https://www.ite.org/technical-resources/councils/transportation-education-council/science-technology-engineering-and-math-stem-resources/

- **Leadership ITE:** ITE has established LeadershipITE. It is a program to identify, develop, and engage leaders to ensure that ITE and its members are positioned to participate and shape the future of transportation. Our section would be honored to have a participant in this unique program.

https://www.ite.org/professional-and-career-development/leadershipite/

Spring is on the way, and with that we will complete our ITE year with Traffic Trivia Night, May Student Night, and the Annual Meeting. The annual meeting will not be an all-day conference this year so that we can maximize our members participation in the Canadian ITE District/Quad Conference in Vancouver BC, May 24-27. Hope to see you there! ■

Claudia Hirschey

2019-2020 ITE Washington President

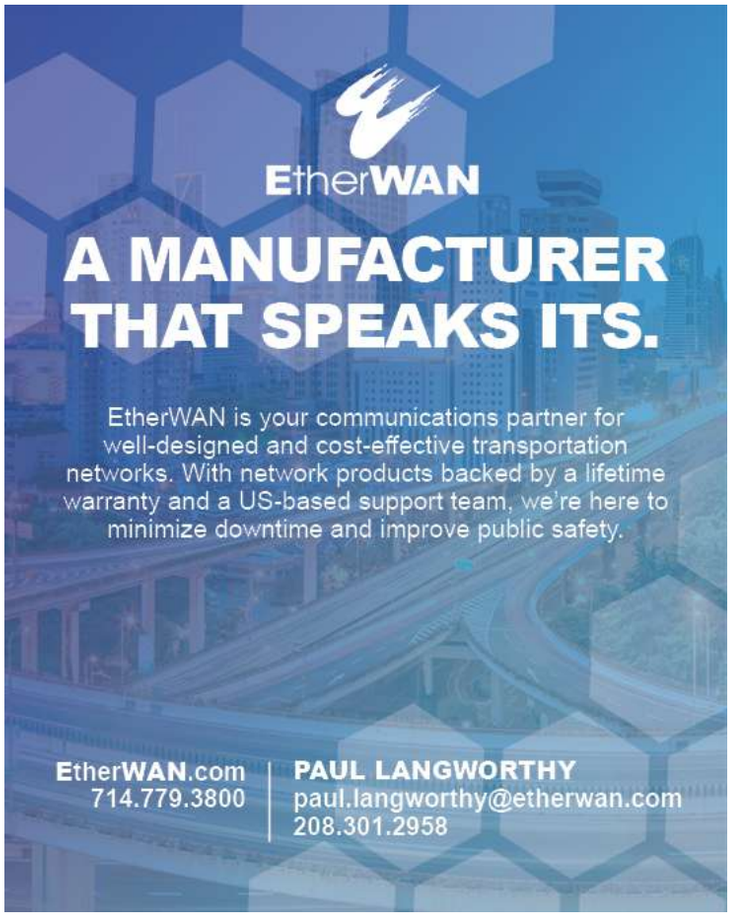
safety corner

The Washington ITE Safety Committee is planning activities to follow-up from our January Safety Training and Conference. The sense of the committee was that members were really beginning to engage in what "I" can do to change the traffic safety culture. Congratulations to Brian Chandler who now has both the RSP I and II certifications. Special thanks to Chris Barnes for reserving the City of Renton Community Center and I am truly grateful to all the members that worked diligently to plan this event including Claudia Hirschey, Jamal Mahmoud, Brian Chandler, Robert Shull, and Caroline Brabrook. We look forward to sponsoring additional events in our continual quest to eliminate serious and fatal crashes. ■

Gary Norris, P.E., P.T.O.E
Safety Chair

DN Traffic Consultants
Project Manager/Senior Traffic Engineer

Bellevue, Washington



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Human Factors, Safety, and Autonomous Vehicles

Following is a brief summary of Mayuree's presentation at the ITE/IMSA conference. Her research is on human factors in autonomous vehicles and conducted as a part of the Human Factors and Statistical Modelling Lab. It is expected that having autonomous vehicles (Level 5) on the road will improve safety on the roads and provide other societal benefits. However, one of the fundamental issues from the perspective of human factors is that how drivers will react to autonomous vehicles on the road. It is expected that there will be both autonomous and human-driven vehicles on the road (called mixed - autonomy traffic) initially. My research focuses on carrying experiments on the driving simulator to understand driver behavior in this situation. Additionally, I plan to explore if there is any specific "human driver behavior" that can be induced into the autonomous vehicles that would help it to operate with a larger possibilityof being able to adjust to human driven vehicles and pedestrians on the roads.

Mayuree Binjolkar, President, UW Student Chapter, PhD Candidate

Student Industry Night

February 19th was the second Eastern Region Transportation Student-Industry Night, which brought together students and transportation professionals for an informative and fun networking event. This year, we had students from Gonzaga University, WSU, and Eastern Washington University attend.

The evening started out with short presentations from a mix of transportation professionals. Paul Sharman from Transpo Group gave an overview of the different fields and focus areas within transportation at a full service private company, Adam Miles from DOWL talked about finding your career path from his perspective having worked both in the private and public industry, and finally Monica Harwood from WSDOT provided an engaging and entertaining presentation on the ups and downs of her path to get to a career in transportation operations.

After the presentations, students had the opportunities to talk to the many transportation professionals and learn about opportunities at those companies and organizations. We are very appreciative of our industry participants for supporting our Eastern Washington Students. Thank you to Fehr & Peers, Perteet, SCJ Alliance, Transpo Group, Whipple Consulting Engineers, and WSDOT. This event provides a great opportunity for students to learn about potential careers in the transportation field – from planning to engineering and everything in between.

By Darcy Akers

WASHINGTON STATE INSTITUTE OF TRANSPORTATION ENGINEERS

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ITE Newsletter Editor
Elena Bertolucci
Spec Sales
Sea-Tac Lighting & Controls
Seattle, Washington

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Send comments and submissions to itewaeditor@gmail.com

Articles must be received by the third Thursday of the month to be considered for publishing in the next issue.

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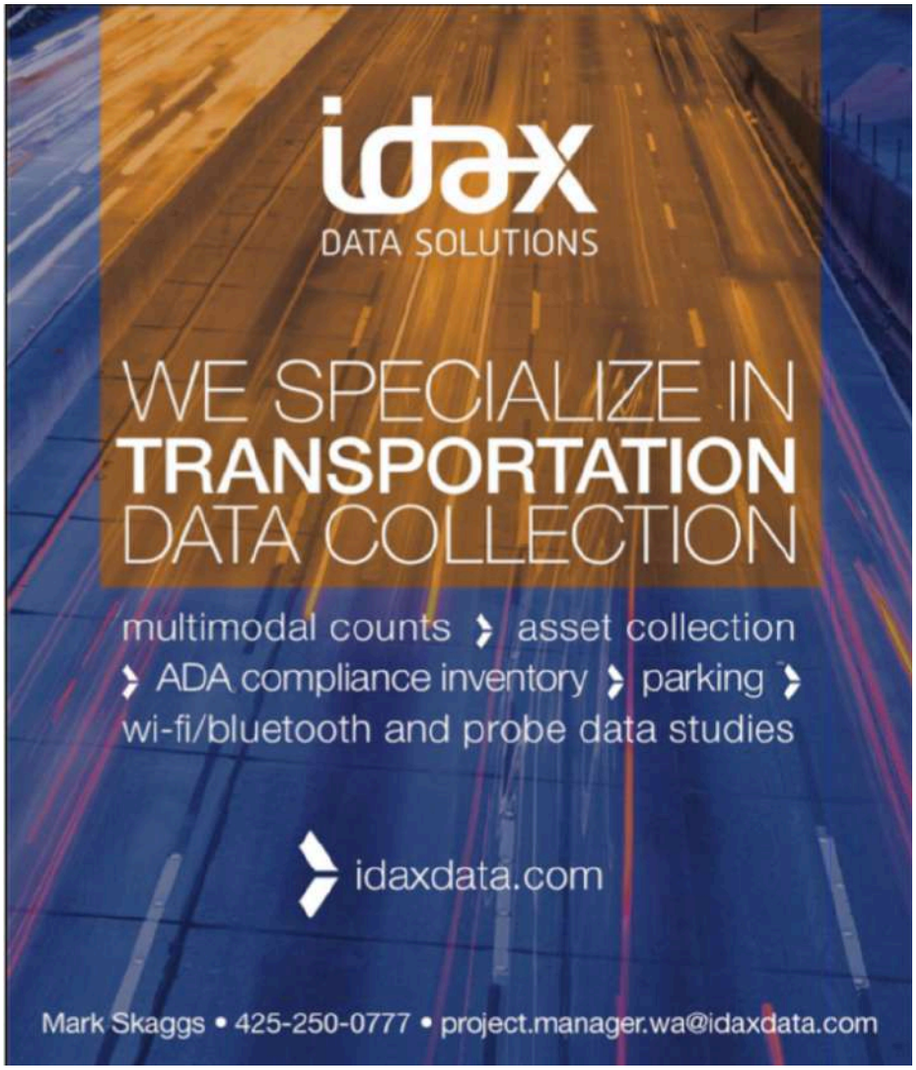

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ITE/IMSA Joint Conference & Vendor Exhibition

February 11th, 2019

Unlike last year's Snowpocalypse, this year's ITE/IMSA's joint meeting took place on a calm February day, allowing for even more attendees than last year! The technical program was filled with a slew of topics ranging from both the engineering and planning side, as well as the vendor side. As always, our vendor representatives showed up in force and provided a plethora of presentations and demonstrations on their wide range of product offerings, including things like vehicle/bicycle/pedestrian detection systems, emergency vehicle preemption systems, traffic safety systems, and street lighting technologies, with a particular emphasis on how they accommodate emerging technologies like 5G communications. Attendees also learned about topics ranging from safety, curbside management, and emerging technologies and ITS. We learned about various projects that local and state agencies are actively working on. The amount of information that was presented would be too overwhelming to present in this short newsletter article, but two particularly innovative projects stood out to me personally. WSDOT recently implemented a metered roundabout in Steptoe that drastically reduced queues that extended past the off-ramp and onto mainline SR 240. Through extensive traffic analysis, WSDOT determined that drivers in this area weren't finding sufficient gaps to enter the roundabout from the off-ramp, resulting in excessive queues. Though we normally think of meters being used at on-ramps to provide gaps in merging traffic to reduce the impacts to mainline traffic flows, the same concept can be applied to roundabouts. By providing a meter for the major conflicting movement and providing more gaps in traffic, this allowed for off-ramp vehicles to progress through the roundabout more regularly and fluidly, resulting in backups onto SR 240 being nearly eliminated. Another interesting project that was presented was the City of Bellevue's real-time emergency response dashboard. This system integrates the City's Traffic Management Center (TMC) with the 911 dispatch system. This allows TMC operators to be alerted in real-time whenever an incident involving emergency responders occurs, providing them with a real-time map view of current incidents and allowing them to proactively monitor roadway conditions using the City's CCTV cameras and actively adjust signal timing to reduce impacts to the traveling public. As for the keynote, this year's presentation was a little different. We had the pleasure of having Mark Etzbach with Acusensus, an Australian-based company focusing on distracted driving enforcement solutions, present on a pilot project taking place in New South Wales. There, Acusensus roadside cameras are being used with artificial intelligence and video analytics technologies to determine whether drivers are using their mobile phones while driving. Understanding that privacy is an important concern to the public, this system captures and evaluates images at the edge and only keeps images that it deems as probable violations. These flagged images are then encrypted, privatized and anonymized, and sent to human operators for manual verification. As always, attendees learned a lot at this year's conference, whether it be about projects that others are working on, or the latest and greatest technologies in our industry. There is no shortage of innovation out there, and in order to continue to do so, we must continue to maintain partnerships and share knowledge between our engineering, planning, and vendor communities, in keeping with the spirit of our ITE/IMSA joint conference. ■

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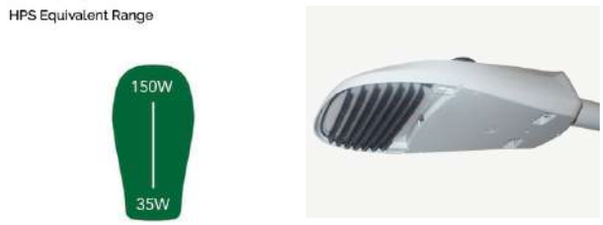

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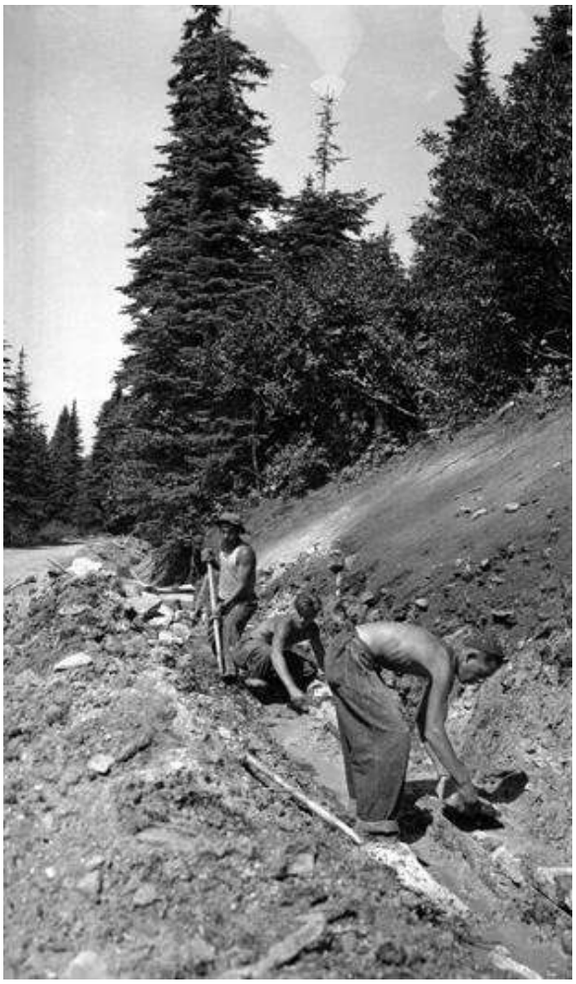
City of Shelton (Ferry), 1900, State Library Photograph Collection, 1851-1990, Washington State Archives, Digital Archives, http://www.digitalarchives.wa.gov, 3/1/2020.

1: This ferry was built around 1895 for the Shelton Transportation Company to succeed the "Willie" on the Olympia-Shelton run. Remained in service until ____ before retirement in Dead Water Slough.

2: This snapshot, taken in ____, is of I5 northbound under contruction through _____. Hint, the stevens field water tower appears on the left.

3: Workers on this grading and sloping project, used hand tools in ____ to get the job done.



Above: Construction of Interstate 5, Olympia, Trosper Road to Martin Way, 1958, Junk, Merle, Susan Parish Photograph Collection, 1889-1990, Washington State Archives, Digital Archives, http://www.digitalarchives.wa.gov, 3/1/2020.

Left: Grading and Sloping Project, 1935, State Parks and Recreations Commission, Photographs of Park Development, 1933-1938, Washington State Archives, Digital Archives, http://www.digitalarchives.wa.gov, 3/1/2020.

Answers:
1: 1907
2: 1958; Olympia
3. 1935

2019-20 ITE Washington Section Events

Date	Subject	Location
APR 7	Traffic Trivia Night	WSP Seattle
MAY 21	Student Night	TBD
MAY 24-27	Joint Canadian ITE District/Quad Conference	Sheraton Vancouver BC
JUNE9	ITE Washington Annual Meeting	TBD
JUNE 2-4	Washington Traffic Safety Commission, Traffic Safety Conference	Spokane
JUNE 16	Gibson Golf Classic	Oakbrrok Golf Course, Lakewood WA

Save the Date
Join the Fun

3rd Annual ITE Trivia Night

April 7th

5:30PM-7:30PM

This is a fun and social event mixing students and members and all sectors of our membership. Location details to follow

2020 ITE Associate Events

APR 14-16	APWA Washington Spring Conference	Vancouver, Washington
MAY 26-29	ASCE Conference on Transportation and Development	Seattle, Washington
JUNE 2-4	Washington Traffic Safety Commission, Traffic Safety Conference	Spokane, Washington
AUG 9-12	ITE National Annual Meeting	New Orleans, Louisiana

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podcast

ITE Talks Transportation is a collaboration between ITE and Bernie Wagenblast, founder and editor of the Transportation Communication Newsletter and host of Transportation Radio. Each month, a new podcast features a thought leader within the transportation industry. In keeping with #transportationtuesday, a new episode will be available the 4th Tuesday of every month.

Managing the Evolving Curbside; Meghan Mitman & Steve Davis, Fehr & Peers

MaaS/MOD, Mobility Rising; Valerie Lefler, Feonix

The Value of Professional Development, Marsha Anderson Bomar, ITE Honorary Member

New York City Congestion Pricing: From Idea to Reality, Sam Schwartz

careers

Washington State Department of Transportation

Washington State Local Technical Assistance Program (LTAP)

Training for Local Agencies

The Washington State Local Technical Assistance Program (LTAP) is a partnership between WSDOT's Local Program Division and FHWA, providing training opportunities and a coordinated technology transfer program for local agencies in Washington State. LTAP offers courses directly targeting the training needs of local agencies receiving Federal funding.

Types of Training for Local Agencies:

LTAP Classes/Webinars

Mar. 24 & 25 (Tumwater)

Apr. 21 & 22 (Moses Lake)

May 12 & 13 (Everett)

Cost: Free. 16 hour class. See Brochure linked in title for more details and exact times for each location.

Training by Our Partners

This is a listing of other programs and training offerings through WSDOT and LTAP Partners.

Online Training

Links to many online training courses, including construction and material testing.

For more information:

Contact the LTAP Training Center : 360-705-7355 : LTAPtraining@wsdot.wa.gov

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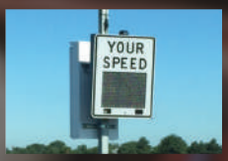

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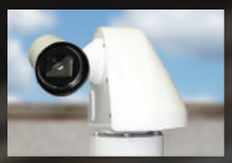

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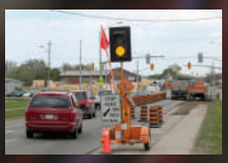

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