President’s Message

About 45 minutes east of Wenatchee on SR 2, my family and I descended into what appeared to be a smaller version of the Grand Canyons. I’ve lived in Washington State since the early 80s and have completed many family road trips. But couldn’t believe this was my first time driving this stretch of scenic highway on our way up SR 165 along Banks Lake and eventually to Grand Coulee Dam. My wife, two kids, mother-in-law and our dog were comfortably spread out in a borrowed Ford Expedition XL. It reminded me of road trips from my youth; only without the rearward facing rear jump seats. That and third row seats with its own air conditioning vents and drop down DVD player. The second row passengers also had LCD screens and controls for audio and climate. And of course I had the master controls for everything plus a navigation screen. There was no need for 99 bottles or slug bugs. None of my kids pumped their fists at truckers. We were all in our electronically connected world. My wife could have texted my son in the back to hand us a bag of chips.

Modern technology has provided the means for comfort, safety and entertainment even on something as simple as a road trip. I’m often envious that I didn’t have search engines and Wikipedia to answer whatever question I had growing up. I wasn’t able to create a social media group to notify my friends where to gather or what time to meet to play Minecraft online. But that allowed me the ability to enjoy the entertainment value of playing with a stick.

Our lives are impacted and almost governed by technology; the way we buy books, clothing, or parts to fix our bicycles. We reach out to people through social media posts, tweets and texts. We attach selfies, videos, and URLs to our messages. Even in our professional lives, we depend so heavily on technology to share information through e-mails, FTPs, and webinars. With the ability to send and receive massive amounts of data, we are communicating more in volume. But how are we doing in quality?

ITE serves as a means to connect with other transportation professionals. It’s an opportunity to step away from the daily grind and share challenges and successes in an area we are passionate about. It serves as a resource to help with specific issues we face on a daily basis. It serves as a safe place for people to have discussions like: the yellow (Continued on page 2)
Creating Professional Connectivity

We dedicate our careers to providing safe and efficient connectivity for people and goods. It’s time to take a step back and connect with our members. Please join us for a professional engagement luncheon meeting where we learn to:

- Connect with membership - building relationships and networking opportunities across generations
- Identify succession planning and groom future leaders
- Improve communications across-generations
- Create opportunities that support members’ growth and development needs

Our facilitator will be Jerri Mizrahi. She is the Learning & Organizational Development Manager at Boise State University, since 2004 and provides coaching, counseling and organizational development and design services. She also serves as a transformational coach in a private practice and organizational consultant with over 25 years’ experience. Her personal mission is to partner with others to create organizational and personal transformation where individuals and organizations grow and break patterns that no longer serve their best interest.

Meet Ms. Mizrahi at our 2015-16 Annual Kickoff Luncheon
Salty’s on Alki Beach
SEP 08  11:30A to 2:00P

President’s Message

(Continued from Page 1)

interval is too long, the light pole spacing not correct, or the storm grate is too close to the wheel chair ramp. It’s an opportunity to have discussions on a training topic that was presented but members might have follow-up concerns.

It’s this discussion and personal interaction that is the gem that we may be glossing over in our professional lives. This year, the Board and I would like to work on creating more opportunities for that personal interaction and reconnection with and between members. Our organization thrives on the volunteer efforts of our members. Whether you volunteer to help set up planning meetings, secure topics and speakers or coordinate conferences, we do this because we have a passion about transportation. And we want to share that passion with our colleagues in order to make continued improvements of ourselves and our industry. Transportation is not a single solution nor is it something that is completed in a day. It is an ongoing effort that evolves with changes to our society. Please join me in encouraging members to attend our upcoming kick-off meeting and even to bring a non-member, connected with our industry, or members who we haven’t seen in a while to join us.

We are kicking off this year with a luncheon training meeting September 8th on connecting with our members and building relationships and networking across generations. This will support our efforts to get to know those interested in or passionate about transportation and create further opportunities for growth and development whether you are a current or future leader. Later, on September 17th, we will have a joint meeting with Washington Transportation Professional Forum at Gonzaga University. This will be another opportunity to reach out to those east of the Cascades as well as across generations to those students that will be in attendance.
ITE-WA Terry Gibson Golf Classic #27 Recap
By Mark Poch – Tournament Chair, City of Bellevue
Photos by Mark Poch

The 27th Terry Gibson Classic was played on June 16 at the beautiful and challenging Eaglemont Golf Course in Mount Vernon. The weather was stunning as well as the multiple views of Mount Baker to the east and Puget Sound to the west. A robust 56 ITE golfers participated in this year’s event.

Before venturing out to take on Eaglemont, the early arriving crowd warmed up at the range and visited with friends and colleagues, then gathered for a group photo. When the golf was over and dust settled, many parched throats were soothed with burgers, pop, and brew at the awards banquet. Situated in Eaglemont’s gorgeous new banquet rooms, the banquet featured awards for competition and the raffle.

For the first time in five years, there wasn’t a tie for First place. Team Dawgs, consisting of three Huskies and Viking, took home the Terry Gibson trophy, so congratulations to Blaze Bresko, Kurt Gahnberg, Chris Johnson and Kurt Latt for placing First. The long time team of Advanced Traffic Products (Steve Haugen, Mike Singson, Bret Tredway and Clark Williams) placed second, with Bellevue (Tom Brandes, Greg Lucas, Mark Poch and Rick Schaefer) placing third. The coveted last place award went to the Team Boomers XY, led by long time team captain Lok Chan.

Competition hole winners included Tyler Boyer taking down both long drive awards, Lok Chan pounding out the ladies long drive; with Jim Edwards, Tom Eksten and Gary Hall winning the three closest to the pin awards. (Continued on Page 4)

Capital isn’t that important in business.
Experience isn’t that important. You can get both of these things.
What is important is ideas.
- Harvey S. Firestone
ITE-WA Terry Gibson Golf Classic #27 Recap  (Continued from Page 3)

The raffle consisted of eight $50 gift certificates, and two sets of Tacoma Rainier tickets. Congratulations to our raffle winners: Tyler Boyer, Blaze Breasko, Lok Chan, Eldon Dehnert, Tom Eksten, Gary Hall, Ryan Jahns, Bruce Newman, Brian Patton, Mark Poch and Zach Wieben.

The Terry Gibson Classic is really important because it gets professionals together to not only enjoy a great day of golf, but also get some well-needed face time with friends and colleagues.

ITE Washington’s 56 Elite Golfers

This great day would not be possible without the help and support from our sponsors. Please thank these terrific people and companies:

- Advance Traffic Products – Mike Singson
- All Traffic Data – Gary Hall
- IDAX Traffic Solutions – Mark Skaggs
- Prime Electric – Bob Bracco
- Tetra Tech – Chuck Pernell
- TransCore ITS – Travis White
- Western Systems – Robert Nims
- Zumar – Tom Brandes

Thanks everyone.
We’ll do it again next year!!

ITE Western District Election Results
Dongho Chang Elected Secretary/Treasurer!

Hello to my mentors and colleagues,

I was shocked to be elected as the district secretary/treasurer. Jim Bloodgood was sitting there with me and I am still in disbelief. I’ll be meeting with the Western District officers and starting my duties in October. I feel incredibly proud to represent our Section in the District. I will be asking for your continued support as I start my new duties.

Thank you for all your help and encouragement.

Sincerely,  Dongho Chang, PE, PTOE – City Traffic Engineer SDOT
ITE-WA Annual Meeting on June 15 in Olympia

We borrowed the notes from Susan Bowe, WsDOT Local Programs taken during the sessions she attended.

Bluetooth Technology
Presenter: Daniel Lai, Transpo Group

Was involved in phased testing of five Bluetooth devices on 148th St. in Kirkland. Here is a summary from the program for ITE Western District’s May Quad Conference in Vancouver, BC:

With the growth in traffic data needs, systems have evolved to collect, manage, and analyze data more efficiently to reduce demands on traffic operators. Advancements in data collection also serve as a catalyst for new ITS applications such as dynamic traffic routing, traffic flow maps, mobile traffic data applications, etc. In the recent years, Bluetooth detection technology has been one of the latest trends in traffic data collection. Bluetooth detection provides a relatively low-cost solution that is capable of disseminating real-time travel time and origin-destination data while benefiting from ease of deployment. Recognizing the market growth in Bluetooth detection technologies and the vast selection of products available, Transpo Group conducted a research to compare five commercial-off-the-shelf Bluetooth solutions. This study evaluated each system’s feature sets, accuracy, maintenance needs, calibration needs and system usability. Results from the research demonstrate considerations that are important for guiding the product selection process and reveal lessons learned from this research effort.

Daniel presented the features of the five devices and the reports they each produce. No one product was best—each was the best depending on particular site conditions.

Security & Network Planning for your Signal System
Presenter: Paul Coffelt, City of Lynwood

Discussed external threats to a system, such as malware, spyware, ransomware, and intruders. Discussed internal threats such as employees with passwords acting unintentionally or intentionally. Discussed the most secure system: VPN peer-to-peer network that is closed loop with a next generation firewall. Other tips:

- Don’t reveal/brag about your agency’s cool features (in a press release, etc.).
- Limit internet browsing.
- Don’t install browser gadgets (software from the internet).
- Know when to hire a security consultant.

Security & Network Planning for your Signal System
Presenters: Bryan Nace and Chris Long, DKS

- The more switches (allows private communication) you have in your system, the more interconnects you will need, the more performance issues you will have. Seven or less switches is best.
- With each service you have, identify what it is and what it is allowed to do on your system.
- Connected vehicles will communicate with everything, not just your intersection.

City of Bellevue’s Adaptive Left Turn Phasing
Presenter: Bruce Newman, City of Bellevue

The following information is directly from (but modified) from the program for ITE Western District’s May Quad Conference in City of Vancouver, BC

- Presented Bellevue’s guidelines for selecting protected/permissive vs. protected only phasing which considers speed limit, existing phasing, (collisions), sight distance, opposing lanes, pedestrians and cross product volumes.
- Bellevue uses the SCATS traffic adaptive signal system, which measures the degree of saturation of traffic flow, which the city is using as input into when to run protected/permissive with flashing left turn arrows.

(Continued on Page 6)
ITE-WA Annual Meeting (Continued from Page 5)

- Bellevue has converted 110 of its 200 signals from protected only to protected/permissive with flashing yellow left turn arrows since 2010. This allows them to run the protected left turn only signal phase by time of the day and respond to real time traffic congestion levels. This has also resulted in a cost savings to the public in the form of reduced delay from left turn phasing changes.
- Bellevue uses “Ped Minus Left”, a form of adaptive left turn phasing, that allows engineers to protect pedestrians by leaving a protected/permitted left turn protected only when the crosswalk has a walk or flashing don’t walk indication.

Bicycle and Pedestrian Counting
Kelly Laustsen, Kittelson & Associates, Inc.
- Discussed NCHRP Report 797: Guidebook on Pedestrian and Bicycle Volume Data Collection, which came out in spring 2015 (report says 2014). It is full of case studies on various methods/devices used to collect pedestrian and bicycle volumes and their results, complete with charts. The document begins to build a standard practice on how to collect pedestrian and bicycle volumes.
- Methods to collect pedestrian and bicycle volumes can get outdated quickly.
- Pedestrians and bicyclists may travel outside of designated spaces and travel together (pedestrians with pedestrians, pedestrians with bicycles, and bicycles with bicycles).

Local Transportation Revenue
Speakers: Alison Hellberg, Association of Washington Cities and Gary Rowe, Washington State Association of County Engineers
- Gave a presentation on how cities and counties are funded.
- Said they are working on ways to address fish passage barriers within a watershed, not just at the project level.
- Said they have not heard of talk of lawsuits against the cities or counties for fish passage barriers.

WSDOT Practical Design & Policy
Andrew Beagle
- Practical design is an approach to solve the needs at the least cost. The goal is to have a good system, not great projects.
- Multiple chapters of the Design Manual will be changed this fall. Functional class will be eliminated as a decision criteria.
- A training course is being developed—WSDOT will likely hire a consultant to design the course.

Change in Payment Due Policy for Meetings & Trainings

Attention members! With the acceptance of credit card and PayPal payment as options to attend meetings, the Board has unanimously rescinded our policy of accepting “Bill Me” as an option. “Bill Me” has created additional work for our volunteers, not only at the registration desk, but also after the meeting when bills need to get sent out instead of shifting full steam ahead to the next meeting. Put simply, we want to free up volunteer time for other efforts instead of billing. This action also brings us in alignment with ITE District and International Payment procedures for participating in training and attending meetings/conferences.

Board and Committee members are also working to set up more pre-payment opportunities for members and organizations this year.
ITE 2015 Fall Conference

Registration is now open!

OCT 26-29 Tucson

The seminars and workshops will be led by subject matter experts. You will hear from a host of transportation industry leaders exploring key issues in transportation today. You will experience active engagement sessions.

Program Agenda

- Planning and Design Workshop: NACTO Guides
- Management and Operations in an Integrated Corridor Environment
- Application of the Unsignalized Intersection Guide
- Consultants’ Symposium
- Innovative Intersection
- Application of Access Management Guidelines and Barriers to Implementation
- Innovative Bicycle Design Treatments in Australia and New Zealand
- Explore: Tour 1 - The Old Pueblo Bike Tour
- Explore: Tour 2 - Innovative Intersection Treatments: View of HAWKs, PELICANs, TOUCANs, and PUFFINs in Their Native Habitat
- Explore: Tour 3 - Tucson’s Modern Street Car
- Final Day Bonus! Golf Tournament to support LeadershipITE

Visit the ITE 2015 Fall Conference Website

2016 ITE QUAD WA Planning Committees

ITE-WA committees and volunteers are planning for the QUAD 2016.

Committees (Volunteers Needed):
- Conference Planning
- Hotel Selection
- Events
- Graphic Design
- Exhibitor

Please join a committee to make this the best Quad Conference Ever!

Careers

King County

Transportation Engineer II (Three Year Temporary Position)

Transportation Engineer II TLT (Term-Limited Temporary) position in Metro’s Transit Systems and Traffic Engineering team will require a strong interest in improving transit mobility in the region.

A three-year project position anticipated to end in September 2018.

Wise Tales

A Photon checks into a hotel. The bellhop asks, “Can I help you with your luggage?” The Photon replies, “I don’t have any. I’m traveling light.”
Training
Washington Transportation Professionals Forum / ITE Joint Meeting
Spokane SEP 17

WTPF meets at least two times per year. These free meetings are held on both sides of the state. Meetings are available by live webinar to reach local agencies and their partners anywhere in the state.

- Optional network in session
- Online bicycle and pedestrian court data and the permanent statewide bike court project
- The latest technology for bicycle and pedestrian counting.
- Crash data access portal for local agencies
- Safe Routes to School and Pedestrian & Bicycle programs – (funding applications due by 2016) presentation and discussion featuring local agency case studies.
- Discussion on development and delivery of successful pedestrian and bicycle projects thru grant funding. Case studies with City of Spokane, Washington and City of Newport, Washington.
- Optional discussion on forming/recreating an Institute of Transportation Engineers or Chapter for Eastern Washington.

History of ITE
Reprinted with permission from ITE.org

The rapid development of automotive transportation following the first world war and the resultant accidents and congestion in the early 20's, were responsible for public demands that expert attention be directed to the alleviation of traffic ills. During this period, a few individuals recognized the value of engineering approaches in dealing with many aspects of highway transportation problems. Men with engineering training and experience worked with distressed municipal officials in seeking palliatives for accidents and congestion, largely concentrating their work in the field of traffic regulatory devices, and roadway design and re-design. At various national and regional conferences called for discussions of traffic problems, this ever growing group of technicians was brought together so that by the late 20's engineers interested in highway traffic work were fairly well acquainted.

The desirability of forming a professional society was freely discussed whenever a few of them happened to get together. Thoughts for such a society were crystallized at a meeting in Pittsburgh on October 2, 1930. It was at this meeting that a tentative drafting of the Constitution and By-Laws for a professional traffic society was accomplished by a small group of men who were actively engaged in the battle to reduce accidents and facilitate traffic movement. The major reasons for organizing ITE were to provide a central agency for correlating and disseminating the factual data and techniques developed by members of the profession, promoting the standards of traffic engineering and encouraging the establishment of traffic engineering departments in city and state governments whose techniques should make for safer and more efficient highway transportation. At a meeting in New York on January 20, 1931, Constitution and By-Laws were adopted, and the Institute of Traffic Engineers became a reality.

The Charter membership of ITE consisted of 30 persons. The first Officers were: Ernest P. Goodrich, President; Miller McClinton, Vice-President, and Hawley S. Simpson, Secretary-Treasurer.
ITE WA Event Schedule for 2015 and 2016

These dates are subject to change. Watch future newsletters for details and events.

2015

- **SEP 08**  ITE WA 2015-2016 Kick-Off lunch meeting, Salty's on Alki Beach in Seattle. See Page 1.
- **SEP 17**  Washington Transportation Professionals Forum/ITE WA Joint meeting in Spokane
- **OCT 14**  ITE WA Joint Meeting – Location TBD
- **OCT 26-29**  ITE International Technical Conference - Tucson, Arizona, Registration Now Open
- **NOV 10**  ITE WA Lunch Meeting (TBD)
- **DEC 08**  ITE WA Breakfast Meeting – Des Moines

2016

- **JAN 12**  ITE-WA / WTS breakfast workshop (Safety Topic) meeting (Tacoma Area TBD)
- **FEB 08**  ITE / IMSA-NW Section Conference & Exhibitor Show. Doubletree Hotel SeaTac
- **MAR 08**  ITE Business lunch meeting (TBD)
- **APR 12**  ITE Business lunch meeting (TBD)
- **MAY 10**  ITE Student Night – Ivar’s Salmon House, Lake Union, Seattle
- **JUN 14**  ITE WA annual business meeting (half day) (TBD)
- **JUNE**  ITE –WA Terry Gibson Golf Classic #28 at (TBD) Golf Course

ITE WA Partner Events

2015

- **SEP 28-30**  Road & Street Maintenance Supervisor's Conference in Yakima.
- **OCT 04-07**  Illuminating Engineering Society (IES) Street & Area Lighting Conference – Savannah, GA
- **OCT 13-15**  Statewide Traffic Safety Conference - Doubletree Hotel SeaTac
- **OCT 16**  PacTrans Region Transportation Conference - University of Washington’s Seattle campus.
- **OCT 20-22**  Infrastructure Assistance Coordinating Council Conf. in Wenatchee.
- **OCT 20-23**  Northwest Pavement Management Assoc. Conference - Vancouver, WA
Across

2. Requires 2 or more
3. Yellow light
4. Term for measure of incident light on a surface
5. Right of way
6.Nickname for five section signal head
7.Creates night time visibility
10. Measure of light
11. Flashing burst of emergency light
12. Traffic jam
15. Equipment housing
20. New luminaire light source

Down

1. Highway use fee
4. Term for measure of incident light on a surface
6. Nickname for five section signal head
7. Water transport
8. Video detection device - acronym
13. Green light
14. Alto-Spanish for _ _ _ _
16. Transportation Engineer’s Association
17. Moves a mass of people
19. Luminaire and signal support

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Contact: Andrew Bellamy
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