Letter from the President

Thank you to all of the attendees and vendors that participated in the ITE/International Municipal Signal Association (IMSA) meeting on February 9 to make it a success! For those that could not make it this year, consider setting your sights on next year, because seeing the innovative products and the presentations is always inspiring. This month we had a great meeting where we got an update on the Alaskan Way (State Route 99) Viaduct Replacement Program, which, as a lot of you are aware, involves intricate projects along the waterfront of Seattle that will construct a new facility in a 21st Century context with the surrounding urban and natural environment.

One of the key elements of the program is tunneling State Route 99 underneath downtown Seattle. This will make the surface environment

(Continued on page 3)

April Meeting

Current State of Bridges Operated by Washington State and City of Seattle

The American Society of Civil Engineers’ 2013 report card gave bridges in Washington State a grade of C- with 372 out of 7,902 bridges considered structurally deficient and 1,694 bridges considered functionally obsolete. Come learn about the current state of bridges managed by Washington State and City of Seattle and the progress being made on them. Our speakers are DeWayne Wilson, Bridge Asset Management Engineer for Washington State Department of Transportation and John Buswell, Roadway and Structures manager at Seattle Department of Transportation.

 WHEN Tuesday, April 14, 2015, 11:30 a.m. – 1:30 p.m.
 WHERE City of Bellevue’s City Hall
 450 110th Avenue NE, Bellevue, WA, 98009
  Get directions
 COST $15 for ITE members. $20 for non-members. $10 for students.
 RSVP Please register with Carla Nasr by noon on April 13 at itewaregister@gmail.com. You will be charged for the meal if you cancel after this date.
 MENU Lunch box. Choices include:

- Turkey Cran - Oven roasted turkey, cranberry, whipped cream cheese, lettuce, and mayo on honey wheat.
- Turkey Havarti - Turkey, Havarti, bacon, tomato, onion, pepperoncini, lettuce, mayo, and yellow mustard on a ciabatta.
- Tuna Salad - Tuna mixed with water chestnuts, celery, parsley, onions, mayo, lettuce, and tomato on marble rye.
- Club - Smoked turkey, ham, bacon, Swiss cheese, avocado, lettuce, tomato, mayo, and Dijon on sourdough.
- The Veggie - Cucumber, cream cheese, sunflower seeds, lettuce, tomato, mayo, carrots, and avocado on honey wheat.
- Chicken Caesar Salad - Romaine, parmesan and Asiago cheeses, diced chicken breast, croutons, and Caesar dressing.
- Cobb Salad - Diced chicken breast, crisp bacon, egg, gorgonzola, olives, and tomatoes served with Bleu cheese dressing.

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Carter Danne, WA Section President
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One Wireless Sensor, All Your ITS Applications
Letter from the President  (Continued from page 1)

in the project area a more enjoyable place to experience, whether you work in, live in, or visit downtown Seattle. And it will still provide a highway alternative to I-5 through downtown Seattle to offer resiliency in the transportation system.

Tunnels have a lot of history behind them and advances in tunneling technology continue to push the envelope of our capabilities as transportation engineers and planners in delivering transportation system improvements to all the people we serve. I did a little browsing around for more information and arrived at this website: http://science.howstuffworks.com/engineering/structural/tunnel.htm, which provides an interesting read on tunnels and their history in civilization. Among the first tunnels to serve motor vehicle traffic were constructed in the early 1900’s; imagine how Roman engineers of the aqueduct tunnels would marvel at the feats we achieve today. The tunnel boring machine for State Route 99, when ordered, was the largest of its kind.

As we tunnel our way into 2015, I’d like to mention some upcoming section events that may be of interest to our members. In April we will be having a joint meeting with the American Society of Civil Engineers (ASCE) at City of Bellevue’s City Hall. See more details on page 1. In early May, we have our Quad Conference, which is being hosted north of us in Vancouver, BC. See page 4 for more details and if you plan to attend, remember to update your passport or get an enhanced driver license ahead of time. Other upcoming events are Student Night in May in Seattle, our annual meeting on June 15 in Olympia. See page 4 for more details. The next day, June 16 is our annual golf tournament in Mount Vernon - see page 5. I encourage all of you to attend these events.

Thank you all for your participation in ITE!

Sincerely,

Carter Danne, ITE WA President, City of Seattle, carter.danne@seattle.gov
ITE WA Event Schedule for 2015

These dates are subject to change depending upon the availability of venues. Also, events may be added. More details about future events will be provided in future newsletters. Items shown in brown are events of our partner associations and organizations.

- Tuesday, April 14 – Lunch meeting with the American Society of Civil Engineers (ASCE) at City of Bellevue’s City Hall. See page 1.
- Friday, May 1 and Saturday, May 2 – Quad Meeting in Vancouver, BC, Canada. See this page for details.
- May – Pac Trans Workshop on Transportation Safety at the University of Washington’s Seattle campus.
- Tuesday, May 12 – Student Night at Ivar’s Salmon House on Seattle’s Lake Union.
- Monday, June 15 – ITE WA Annual Business Meeting at the Red Lion Hotel in Olympia.
- Tuesday, June 16 – ITE WA Terry Gibson Golf Classic #27. Eaglemont Golf Course in Mount Vernon. See page 5.
- Sunday, July 19 – Wednesday, July 22 – Western District Annual Meeting in Las Vegas, Nevada.
- Sunday, August 2 – Wednesday, August 5 – ITE International Annual Meeting and Exhibit in Hollywood, Florida.
- September, date pending – September meeting to kick off the 2015-2016 year, at Salty’s on Alki Beach in Seattle.
- Friday, Oct. 16 – Pac Trans Region Transportation Conf. at the University of Washington’s Seattle campus.
- Saturday, Oct. 17 – Pac Trans Student Transportation Conf. at the University of Washington’s Seattle campus.
- Tuesday, November 3 – Innovation Conference cohosted with the Washington State Innovation Council (STIC), Federal Highway Administration, and Washington State Department of Transportation.

ITE Quad Conference: Registration is Open

2015 ITE QUAD CONFERENCE
Vancouver BC, May 1 - 2, 2015

Host: Greater Vancouver Section of ITE.
Dates: Friday, May 1, 2015 and Saturday, May 2, 2015.
Location: Pan Pacific Hotel, Vancouver, BC, Canada.
Registration: Includes a dinner cruise on Friday evening around scenic Stanley Park and Burrard Inlet.
Website: http://www.citevancouver.org/quad2015/
Twitter: @CITEQUAD2015
Facebook: QUAD2015

2015 ITE QUAD CONFERENCE
Vancouver BC, May 1 - 2, 2015

General registration. Registration for sponsors and vendors. Hurry, prices go up on March 15!
Save June 16 for the ITE Terry Gibson Golf Classic #27

By Mark Poch, Tournament Chair, City of Bellevue

Greetings! This year’s venue will be Eaglemont Golf Course in Mount Vernon, consistently ranked as a top public course in Washington and four stars per Golf Digest. Combining challenging golf with spectacular scenery, each hole is unique and separated from the others — you will likely hit every club in your bag at least once during your round. The recently completed clubhouse and banquet facility overlooks some of the signatures holes, with views of the Olympic Mountains and Puget Sound — a great venue for our BBQ lunch and awards festivities, always included in the Gibson Classic.

Our tournament will have a shotgun start at 9:00 a.m. on Tuesday, June 16th, 2015, and will feature the popular scramble format, where each player will hit/putt the best ball from the tee to the green. This event is only $65 per person or $260 for a team of four. This cost includes use of the range and a power cart and a BBQ after the round with competition and raffle prizes for lucky winners. There will be closest to the pin (kp) and long drive competitions and the lowest scoring team will take home a traveling trophy, currently held by the Transpo Group.

To be sure to be part of this famous day of golf, food, good company, and fun, please fill out and mail in the registration form on page 6 or call or email Mark Poch (425-452-6137, mpoch@bellevuewa.gov) to reserve your place in the tournament. Two players from each team must be ITE members (call Mark for exceptions). Single golfers or couples are definitely welcome as we usually have a couple teams with less than four players. If you come, please arrive by 8:15 a.m. to check in, warm up, and catch up with friends and colleagues. For more information on Eaglemont and to get directions, visit their website at http://www.eaglemontgolf.com.

We need sponsors! Please contact Mark Poch (mpoch@bellevuewa.gov, 425-452-6137) about sponsoring this year’s Gibson Classic!
ITE Terry Gibson Golf Classic #27

Registration Form
Eaglemont Golf Course – Mount Vernon, WA
Tuesday, June 16, 2015, 9 a.m. Shotgun Start

Cost - $65 per person, $260 per team. Includes range balls, golf, power cart, prizes, and BBQ after the round.

Teams – Two or more team players must be ITE members and/or registered for the June Annual Meeting. Call Mark Poch for exceptions – thanks!

Team Name/Firm/Agency ____________________________________________

Names and emails for you and any other players in your group:
______________________________________________________________
______________________________________________________________
______________________________________________________________
______________________________________________________________

_____ Check enclosed for myself/others ($65 per person)
_____ Check enclosed for entire four person team ($260)

Payment deadline is Friday, May 22. Make check payable to ITE - Washington Section.

Please mail this registration form with payment to:
Mark Poch, City of Bellevue – Transportation Department, 450 110th Avenue NE, Bellevue, WA 98004
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The APWA Washington Chapter Spring Conference is the place to be for anyone in a public works related field! With over 400 Public Works Professionals from throughout Washington in attendance, over 30 technical sessions - many worth Continuing Education Credits - and fun networking events, including 5k fun run, golf tournament, hosted social hours, and The Project of the Year Awards Banquet, this conference has it all.

PRE-CONFERENCE WORKSHOPS
Too busy to attend the entire conference? Then pop-in for one of the Pre-Conference Workshops on Tuesday, March 31. At $75 per session, these all day (8:30am - 4pm) workshops are a steal.

- Agency/Contractor/Consultant Summit
  Eligible for both CEUs and CASC certificate hours (5)
- Interactive LEAN Training And Project Showcase: The Skinny On LEAN
- STEM Mentor Training

TECHNICAL SESSION SPOTLIGHT
We have technical sessions that take a closer look at many of today's hottest Public Works topics. Including:

- Basin-wide Stormwater Retrofits: Rural and Urban Watersheds
- An Approach to Prioritizing Sewer Infrastructure Improvements
- ICS Meets PDS
- Creating an Employee Emergency Accountability System
- Goal Setting and Achievement
- Consensus Building for Road Diet Projects
- Five Ways to Lose Your FHWA Funding
- Festival Streets: Designing for a Street Party!
- 2015 Construction Law Update
Traffic Safety Conference
Save the Date - October 13-15, 2015

Key Note Speakers Include:

Director
Anders Eugensson,
Volvo Cars Active Safety,
Connected Vehicles,
Self-Driving Cars.

Professor
Nicholas Ward,
Director for Health and
Safety Culture at the
Western Transportation
Institute.

American writer
Matt Richtel,
A Deadly Wondering:
A Tale of Tragedy and
Redemption in the Age of
Attention and Journalist for
The New York Times. He
was awarded the 2010
Pulitzer Prize for National
Reporting for a series on
distracted driving.

The conference begins Tuesday afternoon at 1:00pm with a motivational plenary followed by a number of workshop sessions and an evening welcome reception. Workshops will be offered over the three day conference providing opportunities to network and learn.

You’ll come away with:
- New ideas for your work towards Target Zero
- Understanding of new technologies
- New connections and partnerships in traffic safety

For more information contact:
Kathy Droke • 360-725-9683 • kdroke@wtsc.wa.gov
or visit our website at www.wtsc.wa.gov

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Space is available for your advertisement. See page 14 for details.
Campus Corner

Upcoming Activities and Opportunities

By Richard Hutchison, ITE WA Student Activities Committee Chair, DKS, 206-382-9800, rjh@dksassociates.com

Upcoming activities and opportunities include:

- $1,500 Undergraduate and $2,000 Graduate Scholarships for students in transportation engineering or transportation planning are due by 5:00 p.m. on Friday, April 17, 2015. If you know a student that would be a good candidate, encourage them to apply.

- Student Night Competition is May 12, 2015 at Ivar’s Salmon House on Seattle’s Lake Union. Students will present a demonstration project they compete on. The project is City of Bellevue’s SR 520 Trail at 148th Ave NE Multi-Modal Improvement project. This is an important and complex location where freight, passenger vehicles, pedestrians, and bicycle riders must negotiate near the Microsoft campus. There is a strong desire by the community and the businesses to improve the safety and efficiency for all modes through this intersection area. Students are to develop potential changes to the intersection that improve traffic operations and safety. This project has a specific goal of ensuring that the bicycle connection of the trail through the intersection is made safer and easier for all ages and abilities. Get more information.

Washington State Department of Transportation’s Local Technical Assistance Program (LTAP)

Providing training for local agencies and consultants. View a list of upcoming classes at: http://www.wsdot.wa.gov/LocalPrograms/Training/

ITE Washington State Section

Find us on the Web: http://www.westernite.org/Sections/washington/events/events.html

Follow us on Twitter: @ITE_Washington

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Civil, Traffic and Structural
Scribe Report
ITE/IMSA Joint Conference and Vendor Exhibition

By Dusty Rasmussen, City of Seattle

Another successful ITE/International Municipal Signal Association (IMSA) Joint Conference and Vendor Exhibition, on February 9, 2015 at the DoubleTree Hotel Seattle Airport, has passed. The event featured numerous exhibits and technical sessions on traffic control, intelligent transportation systems, and pedestrian and bicycle treatments and provided an opportunity for more than 35 vendors (listed on page 13) and more than 200 professionals from design, construction, and operations to network. IMSA’s Northwest section and ITE’s Washington section also held business meetings.

Upon arrival, a nice assortment of pastries and coffee greeted members as they toured vendor booths. Then most people took advantage of the free technical sessions in the morning and the vendor trainings in the afternoon. Technical sessions ranged from bicycle facility enhancements in Seattle and Tacoma to the cutting edge of connected vehicle technology, with pedestrian safety sandwiched in between.

(Continued on page 12)
Session one was on some of City of Seattle Department of Transportation’s lessons learned on implementing the 2nd Ave Protected Bike Lane project in the downtown. Dongho Chang, City Traffic Engineer and Ahmed Darrat, Project Delivery and Field Operations Manager spoke on how the city was able to meet accelerated deadlines and work with community leaders and other stakeholders to improve safety and operations.

City of Tacoma’s Brennan Kidd and AHBL’s Tim Hansen presented session two, on City of Tacoma’s top four bikeways. They discussed the strategies used to develop these corridors and the city’s plan to implement a complete network connecting the southern portions of Tacoma through downtown and north toward Pt. Defiance.

The morning sessions finished with some interesting topics on prioritizing and placing pedestrian safety improvements, session three, by City of Tacoma’s Josh Diekmann and City of Redmond’s Paul Cho. They talked about how strong public involvement along with sound engineer have helped drive the decision making process that has prioritized where limited resources are spent. This has put a majority of the decision making process in the hands of the community. During session three, Transpo’s John Pascal also spoke about sizing transportation modeling and the advantages a mesoscopic model can have over other types.

While members enjoyed courses of salad, grilled chicken Diabla, and apple cinnamon bread pudding, ITE Section President Carter Danne (City of Seattle) commenced the joint ITE/IMSA luncheon meeting. He introduced the board members for ITE WA and for IMSA’s Northwest Section. He then invited IMSA NW President, Mark Rodgers (Clark County) to the podium, who gave an update on IMSA NW and introduced the chair members.

Mr. Danne then introduced speakers Dongho Chang (SDOT), Sitipan (Band) Sitikaria (SDOT), and Chris Long (DKS Associates) who spoke on the beginnings of and progress on the ongoing effort to retime the traffic signal system in downtown Seattle. Mr. Long spoke about the retiming efforts and measures of effectiveness that will be used to complete time of day plans. The timing efforts support the city’s Vision Zero plan, an effort to improve operations for all modes of transportation while reducing and eliminating serious collisions. Mr. Sitikaria then spoke about the use of wireless technology to collect travel time and improve traffic signal timing in the downtown core.

Mr. Danne invited vendors to introduce themselves and their companies. Then City of Redmond’s Paul Cho spoke about upcoming opportunities to partner with ITS Washington as they begin to revive their efforts. Carter Danne and Jerry Liu (TetraTech) followed by raffling off a number of prizes. They then led the audience in thanking the vendors and ended the meeting. Then members took advantage of vendor sponsored technical sessions and visited vendor displays. The event came to a close with a shared knowledge gain that will help strengthen our understanding of the transportation system in the Pacific Northwest and improve the system. Seeing and hearing from colleges about the emerging technologies and data driven implementations made the conference more than worthwhile. Let’s use this information to continue to improve efficiency and safety throughout the year to come.
ITE/IMSA Vendor Exhibition Participants

More than 35 vendors were present at this year’s ITE/IMSA vendor exhibition, including:

- Advanced Traffic Products
- All Traffic Data
- Ameron
- Campbell Company
- Cascade Signal Corporation
- CohuHD Costar
- Coral Sales Company
- Daktronics
- Econolite Control Products
- EtherWAN Systems, Inc.
- Fortran Traffic Systems
- Holophane Lighting
- IDAX
- Information Display Company
- Intermountain Traffic
- ITEM Ltd.
- Kar-Gor, Inc.
- Leotek
- Lighting Group Northwest
- Lumca
- McCain, Inc.
- Northwest Signal Supply, Inc.
- Pelco Products, Inc.
- Rhythm Engineering
- SeaTac Lighting & Controls, LLC
- Siemens/RuggedCom
- Skyline Products
- StressCrete Group
- Traffic Safety Supply Company
- Trafficware
- URS Electronics
- Valmont Industries
- VSP Marketing Graphic Group, LLC
- Wells Manufacturing, Inc.
- Western Pacific Signal
- Western Systems
- Zumar Industries
- And many more!
Section Business

Section Board for September 2014-August 2015

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- 1/2 page (width = 7 1/2 inches, height = 5 inches or width = 3 1/4 inches, height = 10 inches): $500
- Full page (width = 7 1/2 inches, height = 10 inches): $1,000

Ads run from January through December. The cost of ads submitted during the year will be prorated. To submit your ad, please email it in jpg, png, or tif file format to: Mike Hendrix, ITE WA Secretary at mhendrix@perteet.com. Also send a check made out to “Institute of Transportation Engineers” for the ad size you desire to: Paul Cho, ITE WA Vice President/Treasurer at the above address. Please call Paul Cho at the above phone number to instead pay using our square card reader or PayPal.

Newsletter Contact Information

Please let us know if your contact information changes so that you continue to receive monthly ITE WA announcements and newsletters by email. To update your information, click on the Membership tab on the ITE WA website: http://www.westernite.org/Sections/washington/index.htm.

Newsletter Comments and Article Submissions

If you have comments about this newsletter or have an interesting announcement, topic, or project to share, please contact Susan Bowe, the Newsletter Editor at itewaeditor@gmail.com.

ITE WA website

http://www.westernite.org/Sections/Washington/

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