INSTITUTE OF TRANSPORTATION ENGINEERS / WASHINGTON STATE SECTION

ITE WASHINGTON

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

April 2015

Letter from the President

Carter Danne, WA Section President

Spring has sprung and here we are already heading into April 2015. I encourage our members to read through this month's newsletter in detail to keep apprised of upcoming activities as we approach one of the most active times of the year for the ITE Washington State Section.

This month we have a joint meeting with the Puget Sound Chapter of the Women's Transportation Seminar (WTS) and the Seattle Section of the American Society of Civil Engineers (ASCE). This will be a great opportunity to meet and network with fellow professionals that are active in these organizations. And, the featured topic is one that

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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 Department of Transportation (WSDOT) and City of Seattle and the progress being made on them. Our speakers are DeWayne Wilson, Bridge Asset Management Engineer for WSDOT 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.

WSDOT seattle.gov

Spotlight PUBLIC WORKS ★

APWA Spring 2015 CONFERENCE

★ MARCH 31 - APRIL 3

GREATER TACOMA CONVENTION & TRADE CENTER

WWW.APWAWACONF.COM

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**

MANY THANKS TO OUR PLATINUM SPONSOR

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Letter from the President *(Continued from page 1)*

relates closely to all three organizations in attendance – bridges. Without them, we would have to travel further to get where we want to be. They save us time, bring communities together and are often a critical link to maintain the vitality of a civilization. From the Guinness Book of World Records, the oldest bridge still being used today to which a date can be ascribed is located in Turkey over the river Meles in Izmir (formerly Smyrna); it has been around since circa 850 B.C.!

Much the same as bridges serve the cities and towns, so do our professional society organizations sustain us and keep us connected to communities of knowledge and expertise. The two associations joining us this month have been active in our region for some time; WTS since 1982 and ASCE since 1913. In the past, our section has had joint meetings with these organizations and I am glad we have this opportunity to renew this collaboration for the benefit of all members. I encourage you to explore their websites and read up on the organizations before the meeting:

- Puget Sound Chapter of WTS: http://www.wtsinternational.org/pugetsound/
- Seattle Section of ASCE: http://seattleasce.org/

I also encourage everyone to attend the Quad Meeting coming up in Vancouver, BC, May 1-2, 2015. There is still time to renew your passport (choose the expedited option): and attend the Quad Conference to network with our neighboring sections and learn about a variety of transportation topics. The theme of the conference is Investing in Our Transportation Evolution. You will find more details here and on page 5.

In closing, come network with WTS and ASCE members as we learn about bridges in Washington State. And, remember to register for the Quad Conference. I look forward to seeing you at this month's meeting!

Sincerely,

Carter Danne, ITE WA President, City of Seattle, carter.danne@seattle.gov

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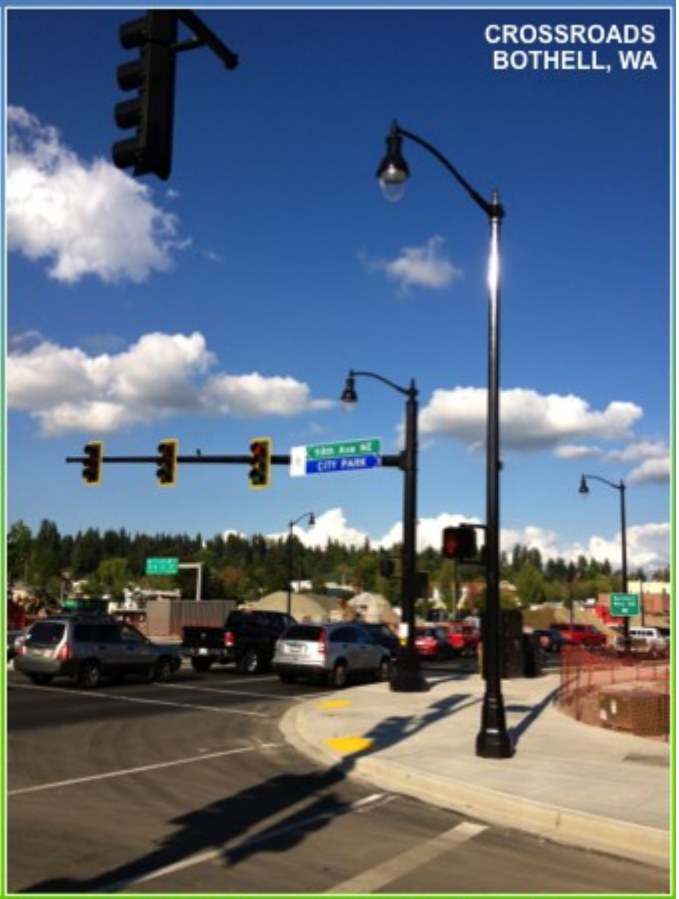

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ITE WA Event Schedule for 2015

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.

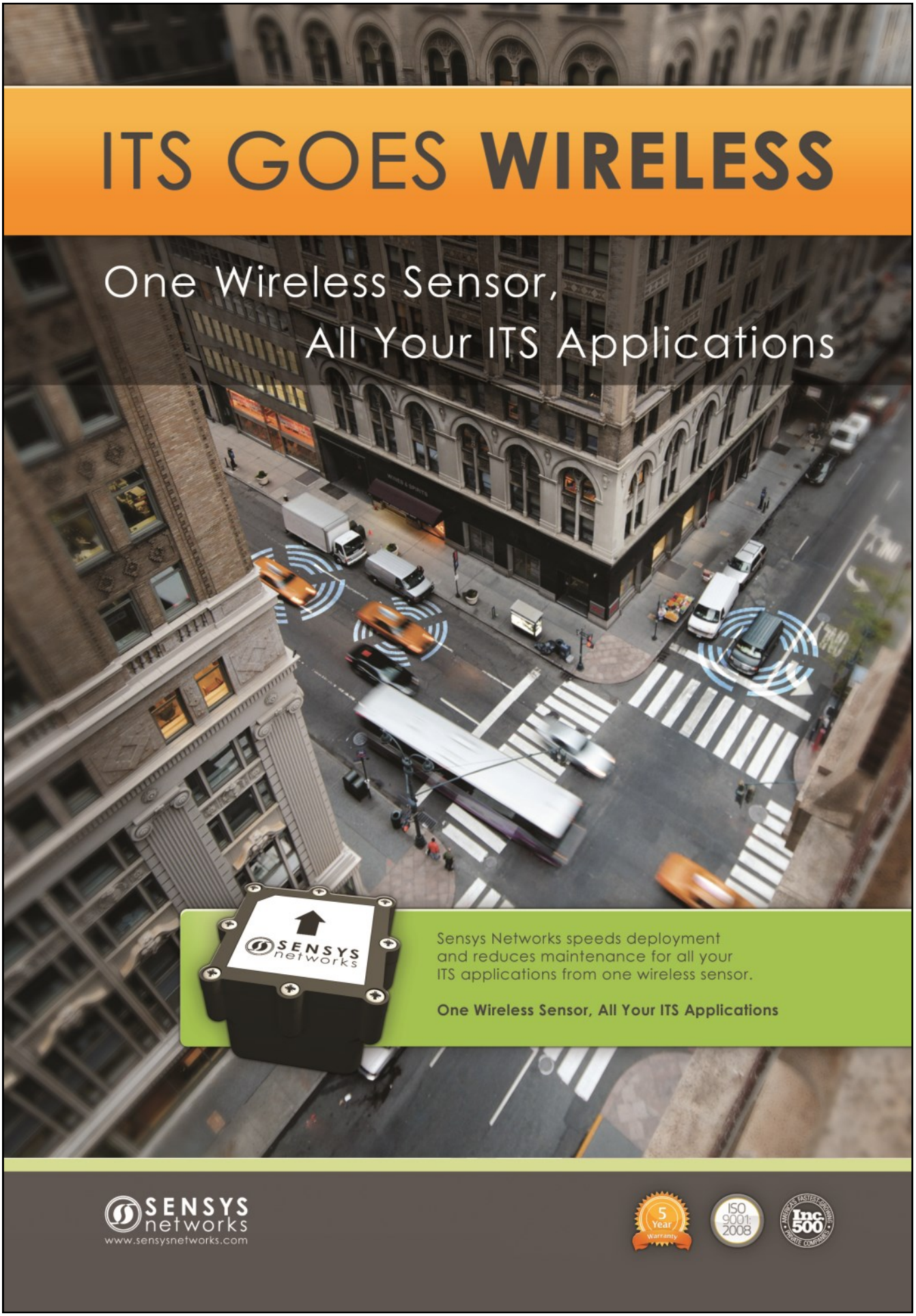
- Tuesday, April 14 – Lunch meeting with WTS and ASCE at City of Bellevue. See page 1 for details.
- Friday, May 1 – Saturday, May 2 – Quad Meeting in Vancouver, BC, Canada. See this page for details.
- Tuesday, May 12 – Student Night at Ivar's Salmon House on Seattle's Lake Union.
- Monday, June 15 – ITE WA Annual Business Meeting at the Red Lion Hotel in Olympia. More details to come.
- Tuesday, June 16 – ITE WA Terry Gibson Golf Classic #27. Eaglemont Golf Course in Mount Vernon. See page 7.
- Sunday, July 19 – Wednesday, July 22 – Western District Annual Meeting in Las Vegas, Nevada.
- Sunday, Aug. 2 – Wednesday, Aug. 5 – ITE International Annual Meeting and Exhibit, Hollywood, Florida. Register.
- September, date pending – September meeting to kick off the 2015-2016 year, at Salty's on Alki Beach in Seattle.
- Tuesday, October 13 – Lunch meeting. Location to be determined.
- November – Joint meeting with the Washington Transportation Professionals Forum. Location to be determined.
- Wednesday, October 28 – Saturday October 31 – ITE International Technical Conference in Tucson, Arizona.

Events of our Partners for 2015

- March 31-April 3 – American Public Works Association spring conference in Tacoma. See page 2 for details.
- Monday, April 20 – PacTrans Seminar (Student Leadership Training). See page 13 for details.
- Tuesday, April 28 – PacTrans Seminar. See page 13 for details.
- May 5 – PacTrans Workshop on Transportation Safety at the University of Washington's Seattle campus. ITE WA and the Washington Transportation Professionals Forum will sponsor this event. More details to come.
- Thursday, June 4 – PacTrans Seminar at University of Washington's Seattle campus. More details to come.
- Tuesday, Oct. 13 – Thursday, Oct. 15 – Statewide Traffic Safety Conference in SeaTac. See page 14 for details.
- 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.

ITE Quad Conference: Registration is Open

THEME: Investing in Our Transportation Evolution
HOST: Greater Vancouver Section of ITE
PARTERS: Pro Walk Pro Bike Pro Place
DATES: Friday, May 1 – Saturday, May 2, 2015
Tours, courses, and workshops happen on Thursday, April 30, 2015.
LOCATION: Pan Pacific Hotel, Vancouver, BC, Canada
REGISTRATION: Includes a dinner cruise on Friday evening around scenic Stanley Park and Burrard Inlet. General registration. Registration for sponsors and vendors.
WEBSITE: http://www.citevancouver.org/quad2015/
TWITTER: @CITEQUAD2015
FACEBOOK: QUAD2015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Save June 16 for the ITE Terry Gibson Golf Classic #27

By Mark Poch, Tournament Chair, City of Bellevue

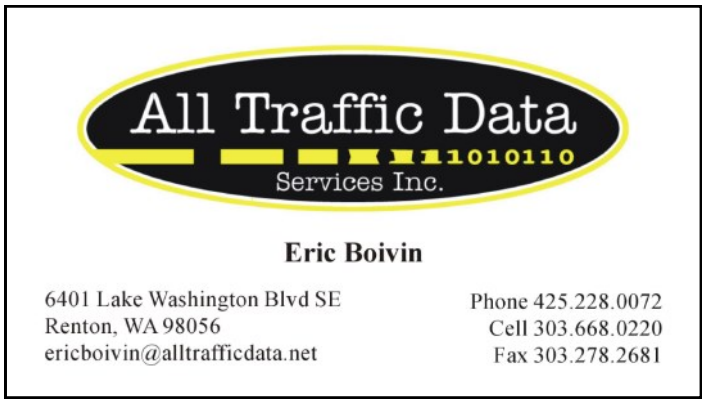
Photo courtesy of Eaglemont Golf Course

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 8 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 (425-452-6137, mpoch@bellevuewa.gov) 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, P.O. Box 90012, Bellevue, WA 98009

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Campus Corner

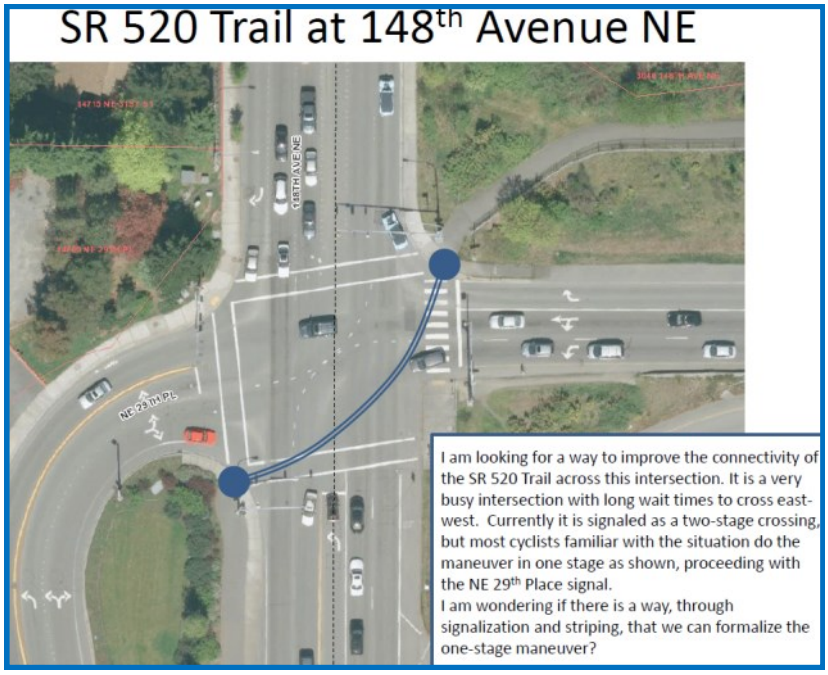
Upcoming Activities and Opportunities

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 though 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.



Courtesy of City of Bellevue.

(Continued on page 10)

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

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Civil, Traffic and Structural

Campus Corner

Observations on the ITE Student Leadership Summit

By Luka Ukrainczyk, UW ITE Student Chapter President

UW ITE students from left to right: Luka Ukrainczyk, Ruimin Ke, Wenbo Zhu, Matt Dunlap. *Photo by Vian Somo.*

California State University in Sacramento hosted the second annual ITE Student Leadership Summit February 13-16, 2015. It was a wonderful success because it was a fun, rewarding, challenging experience for the UW ITE chapter. Wenbo Zhu, UW ITE social event officer, Matt Dunlap, UW ITE vice president, Ruimin Ke, and I reunited with friends and colleagues from last year's summit, listened to prominent local engineers speak, and participated in competitive challenges to test our transportation chops.

The group was excited to hear Zaki Mustafa, former ITE International president speak again. He is particularly gifted at communicating useful career and life knowledge. UW ITE members collaborated with other student ITE members to create a public service announcement (PSA) for a complete streets redesign. The group then got dressed up and attended an ITE dinner and cocktail hour at our hotel.

UW ITE members also took time during their trip home to visit some local California landmarks, including the State Capitol building and the Governor's Mansion. We also trekked along a creek in the Shasta foothills, taking a brief dip in the creek to enjoy the idyllic setting. Special thanks to Richard Hutchinson and Washington ITE for making this trip possible. Here is more from our delegation:

Wenbo Zhu – I am glad I got the chance to attend the 2015 ITE Student Leadership Summit. We had a nice trip from Seattle to Sacramento and the weather in California was great each day. The students at Sacramento State University planned excellent activities from which I gained great experience. During the summit, I attended lectures, competed in the PSA contest, and also spent a lot of time communicating with participants from other universities and with professionals from the transportation industry. The vehicle display on Friday was amazing. I learned a lot about technical issues and policies related to electric vehicles. I would like to thank our sponsors: Western ITE, ITE WA, and the UW chapter for the chance to attend this great event. I also would like to express my appreciation to host students at Sacramento State who helped make it happen.

Matt Dunlap – What would motivate students to take a 12 hour drive from Seattle to Sacramento? Well, nothing more than 2015 ITE Student Leadership Summit, and a little bit of that warm California sunshine on the Sacramento State Hornet's beautiful expansive campus. This year's event attracted nearly 100 students from a myriad of different universities and backgrounds throughout the Western District. However, of all the schools to participate, the UW trekked the farthest by far, like last year.

The event was a social one and it offered a rare opportunity to mix and mingle with new people having nothing in common but an interest in transportation engineering. Over the three day conference we also met with several well

(Continued on page 11)

Institute of Transportation Engineers
University of Washington Student Chapter

Created to promote the education and professional development of students interested in transportation engineering and planning.
Learn more at http://students.washington.edu/ite/about.html

Campus Corner *(Continued from page 10)*

established professionals from across California. Talking with these individuals was inspirational and informative. Our group was also exposed to the different kinds of job opportunities available at a large career fair - more than ten engineering firms from both the private and public sectors greeted us and engaged us in their exciting work.

As fun as the conference was, it was also exhausting, so the UW student chapter was happy to leave for home on Sunday morning. However, we couldn't resist first stopping at Mt. Shasta on the way back to take in the view, stretch our legs a bit, and swim in an ice cold creek.

Ruimin Ke – This was my first time participating in the ITE Student Leadership Summit and it was a wonderful and memorable experience. I learned the most interesting and valuable stuff at a Transportation Industry Fair & Vehicle Display about cutting-edge technologies and at a lecture session on big data in transportation. At the transportation industry fair, I saw current trends in the transportation industry, such as environmentally friendly traffic and a variety of efficient traffic operations. At the vehicle display, I saw some latest hybrid and electrical vehicles made by Tesla, Mercedes Benz, etc. The Benz vehicle is the same size as a normal passenger car but its battery and charge system make it heavier.

Tesla electric vehicle. All photos courtesy of California State University, Sacramento's ITE Student Chapter.

Electrical vehicles are becoming more and more popular, thus charging stations are more and more common, and this will facilitate the use of electrical vehicles. However, the development of electrical vehicles is still facing a bunch of challenges. For example, about eight hours is needed to charge the Benz vehicle, which is much longer than the time it takes to fuel a normal car.

Mercedes Benz electric vehicle.

The big data lecture session on the second day attracted me a lot because I'm doing some related research work on this. INRIX data, National Highway System data, etc. are useful, widespread, and interesting data for transportation analysis and research. From the lecture, I gained a deeper understand of these data forms and how to use them properly.

Another meaningful event for me was the PSA competition. Teams were comprised of students who didn't know one another. They tried to design an urban road segment in a short amount of time. The task itself was not that difficult, but with the time constraint and because we did not know the other group members, it was not an easy project for our team. However, we shared the tasks and successfully made our creative design at last, which made us happy and proud.

ITE students and professionals at the ITE Student Leadership Summit.

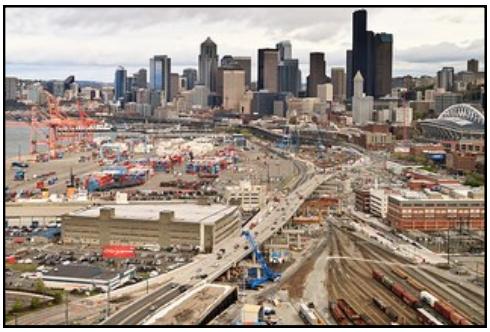
I made new friends from different universities and even different countries at the Summit. We had a buffet dinner together and at a barbecue lunch we talked happily at enjoyed the California sunshine. I found that different people had different views on transportation issues. This made me excited because I like listening to different voices, which might sometimes be able to generate fantastic ideas. People there were all friendly and self-motivated, and I learned a lot from them.

Scribe Report

ITE/IMSA Joint Conference and Vendor Exhibition

By Mike Hendrix, ITE WA Secretary, Perteet

ITE WA's March meeting was held on March 10 at the Nile Shrine Golf Club in beautiful Mountlake Terrace. After a lovely drive through the golf course, making comments on the less than standard stop signs for golf carts, we arrived at the club house. The topic of the day was the Alaskan Way Viaduct Replacement Program. Rick Conte, the program's general engineering consultant project manager from Parsons Brinkerhoff, started off the presentation by asking the audience how many people have worked on or continue to work on the program. About a quarter of the people in the room raised their hands.



South end Viaduct replacement. Photo courtesy of WSDOT.

The Viaduct Program is more than just the tunnel running underneath downtown Seattle - although the tunnel is the most visible element. In fact, the program has more than 20 projects. If you see a current or recently completed project in the SODO neighborhood of Seattle, there's a pretty good chance it is part of the program. Examples of projects are 1) SR 519 (Dave Niehaus Way S) near Safeco Field, our baseball stadium, and Century Link Field, 2) the Spokane Street Viaduct, and 3) the 4th Avenue South off-ramp. The largest project completed to date is the replacement of the portion of the viaduct most vulnerable to settlement and earthquakes - S Holgate Street to King Street. This is also one of the most challenging segments because of the large number of Seattle City Light transmission lines which are using the viaduct as supports.

(Continued on page 13)

Scribe Report *(Continued from page 12)*

Lately when you think about the Alaskan Way Viaduct Replacement Program, only one name comes to mind: Bertha. Bertha the broken down tunneling machine is at the center of a big event – a dig to raise her back to the surface for repairs after she stalled on December 6, 2013. She was named for another big event, Seattle's first and only woman mayor, Bertha Knight Landes. Mayor Bertha took office in 1926 and was also the first woman mayor of a major US city, beating the City of Casa Grande, Arizona by a year.

Bertha sees the light of day once again. Photos courtesy of WSDOT.

When it comes to Bertha the tunneling machine, the construction contract between Seattle Tunnel Partners (STP) and Washington State Department of Transportation (WSDOT) requires that repairs to her be made on site. So STP decided to dig her out because they thought this was the most cost-efficient way to fix her. To do this, STP built a wall around the tunnel alignment to prevent any impact to the adjacent old Viaduct. This created a tub that the tunnel machine would come out of. On February 2, 2015, Bertha entered the tub and STP lifted the first piece out on March 19 using a modular crane you may have already seen on the side of the existing Viaduct. It took STP three months to acquire the crane's parts from all over the world and one month to assemble them. It can lift a minimum of 2,600 tons! That's pretty good considering the cutter face of Bertha is 838 tons alone. The process to surface all of Bertha is expected to take three to four weeks.

Three pieces of Bertha back to the surface.

Once repaired, Bertha will finish her dig. And as she digs, STP will line the tunnel with more than 14,000 concrete rings. More than 13,000 of these rings are located offsite and trucked in when needed - only 20 to 30 rings are on site at one time. Once complete, the tunnel will have a roadway cross section of 32-feet in each direction: 2 11 foot lanes, an eight foot right shoulder, and a two foot left shoulder. The tunnel's state of the art operational and life safety systems will be controlled from three different locations: buildings on the north and south portals which are currently under construction and WSDOT's Northwest Region headquarters in Shoreline. Also under construction for the largest diameter bored tunnel is electrical and utility system work on the south end, where other civil components are mostly complete.

Free Seminars from the Pacific NW Transportation Consortium (PacTrans)

Location: University of Washington's Seattle Campus, Allen Library building, Allen Auditorium
Reception: Following each event.
For Questions: Maria Bayya, Assistant Director for PacTrans, 206-685-6648, pactrans@uw.edu

Language of Leadership – This class will teach you the right language skills to put you on the verbal track to be recognized by leadership in a positive way. Know the words to be heard in meetings and getting your name remembered. You work hard—add these skills to your executive toolkit.
Speaker: Marsha Anderson Bomar, Senior Transportation Principal for Stantec Consulting Inc. in Duluth, Georgia
Date: Monday, April 20, 2015 **Time:** 2:30-3:20 p.m. **Cost:** Free

Transportation Infrastructure Assessment Techniques Using Ground Penetrating Radar – Learn about using ground penetrating radar to predict in-site real-time asphaltic material density; improve quality control/ assurance, predict the thicknesses of pavement systems; detect flaws; and predict the density of asphalt concrete.
Speaker: Imad Al-Qadi, Founding Professor of Engineering at the University of Illinois at Urbana-Champaign
Date: Tuesday, April 28, 2015 **Time:** 9:30-10:20 a.m. **Cost:** Free

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.

American writer
Matt Richtel,
A Deadly Wandering: *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.*

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

REGISTRATION
will open in May 2015

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

WASHINGTON Traffic Safety COMMISSION

Target ZERO

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or visit our website at www.wtsc.wa.gov

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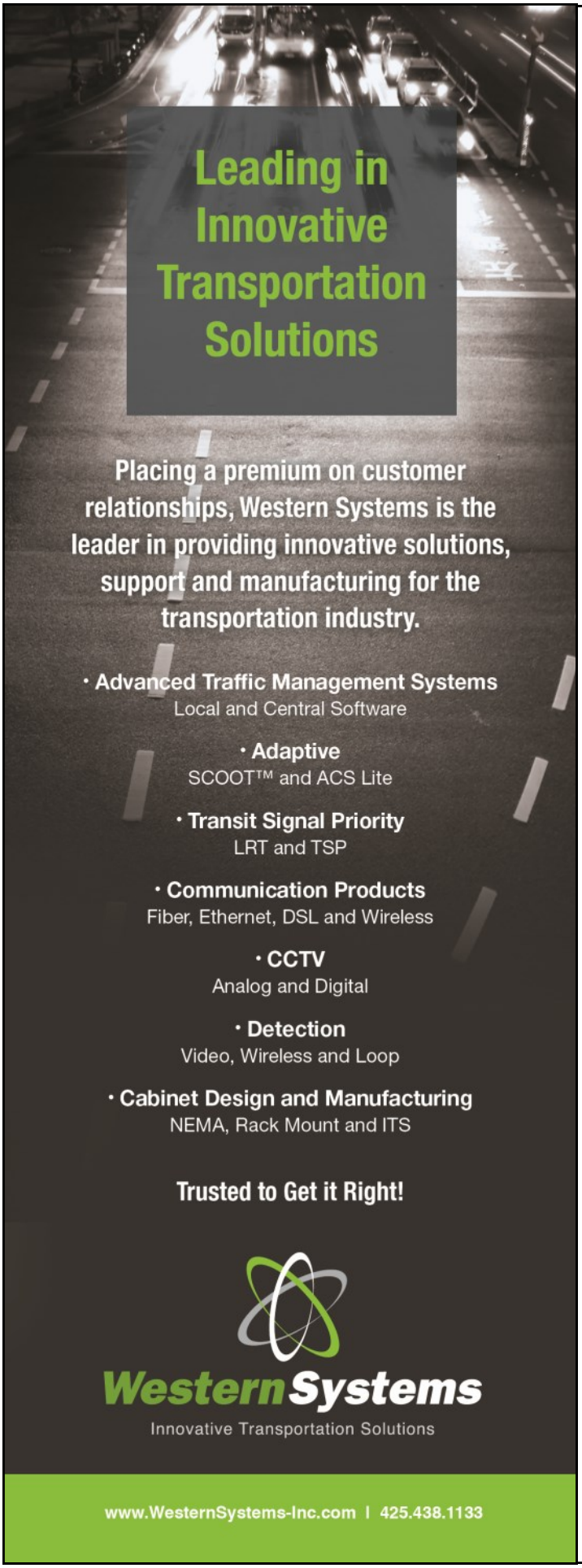
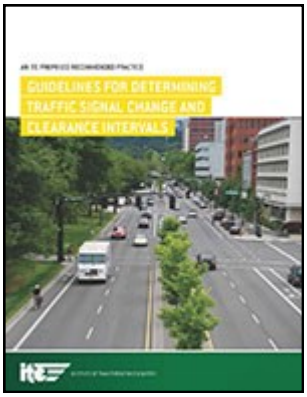


New Publication

Guidelines for Determining Traffic Signal Change and Clearance Intervals (a Proposed Recommended Practice)



ITE has released the *Guidelines for Determining Traffic Signal Change and Clearance Intervals*, a proposed recommended practice available in the ITE Bookstore as a PDF e-publication. ITE Members who purchase the document will receive a complimentary PDF e-publication of the final recommended practice when it is published.

The report describes the sources of methods and values presented in the proposed recommended practice to address the goal of the engineering profession to determine the ideal duration of yellow change and red clearance intervals that raises intersection safety while retaining a high level of operational efficiency. A broad cross section of topics affecting the timing of yellow change and red clearance intervals are addressed through discussion of the relevant literature including the foundational work of DeGazis, Herman, and Maradudin as well as the current state of practice, comments received during the drafting process, and the recommendations applied in the guidance.

The report provides a description of the recommended methods to calculate traffic signal change intervals. The calculation methodology is based on the kinematic equation and is shown in both U.S. and metric units. The report provides guidance for applying the methodology and for selecting input values for both through and turning movements at signalized intersections. Input values include perception-reaction time, approach speed, deceleration rate, approach grade, intersection width, vehicle length and conflicting movement start-up delay. The report also notes application techniques for wide intersections and bicycle traffic. The application of measures of effectiveness and recommendations for monitoring and evaluation close the report.

As a proposed recommended practice ITE will receive public comments on the document through July 31, 2015 by e-mail to TSCI-RP@ite.org.

Section Business

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