Letter from the President

We hear about our deteriorating local and national surface transportation system that is experiencing a funding crisis. The scale of the problem seems so large and daunting that it is hard for many of us to grasp. As ITE-WA president, I had the fortune to listen to Mr. Jack Basso’s briefing and presentation to the ITE International Board in November 2013. Mr. Basso, a long-time expert on transportation finance and policy, was able to explain the dire financial shortfall that the Highway Trust Fund (HTF) has been facing since September 2008 in real simple terms. Mr. Basso provided the following graphics on federal transportation spending:

(Continued on page 3)

January Luncheon Meeting

Planning for Growth in the Central Puget Sound Area

Robin Mayhew, Program Manager at Puget Sound Regional Council will provide an overview of Transportation 2040, an action plan for transportation in the central Puget Sound region for the next 30 years. By the year 2040, the region is expected to grow by 1.5 million people and support more than 1.2 million new jobs. All of these new people and jobs are expected to boost demand for travel within and through the region by about 40 percent. Patrice Carroll, Senior Planner at city of Seattle will provide an overview of Seattle’s Comprehensive Plan update. City of Seattle is experiencing tremendous growth and is expected to have 100,000 new residents and coincidently 100,000 new jobs over the next 20 years. The city is beginning the process of updating their Comprehensive Plan called Seattle 2035.

When Tuesday, January 14, 2013, from 11:30 a.m. – 1:00 p.m.

Where Safeco Plaza (206-467-1580), 33rd floor conference room 1001 4th Avenue (across from the Seattle Central Library) Seattle, WA 98154

Served by transit. Parking suggestion: The garage on Seneca St. (south side of street under the Public Parking sign) between 3rd and 2nd Avenues is $6 for two hours between 11:00 a.m. and 2:00 p.m.

Cost $10 for ITE members, $15 for non-ITE members, and $5 for professionals 35 years and younger or with five years or less in the transportation engineering/planning field. Free for students.

Menu Lunch box. See choices on page 5.

RSVP Please register with Carla Nasr at itewaregister@gmail.com by 5:00 p.m. on Friday, January 10. If you cancel your reservation after this date, you will be charged for the meal.

Page 1

January 2014
ITE Newsletter Volume 24, No. 5
ITS GOES WIRELESS

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The federal gas tax, which provides approximately 91 percent of the revenue for the HTF, has not changed from the current 18.4 cents per gallon since 1993. Since then, the gas tax has lost more than 37 percent of its purchasing power due to inflation and other factors.
The HTF started paying out more than the fund’s receipts starting in 2008 and has avoided a shortfall by $53.3 billion in general fund transfers and $2.4 billion from the Leaking Underground Storage Tank Trust Fund as shown below:

Excludes the following transfers:
- From General Fund (GF) to Highway Account of Highway Trust Fund (HTF) of:
  - $7 billion in August 2009.
  - $6.2 billion in fiscal year 2013.
  - $10.4 billion in fiscal year 2014.
- From GF to Highway and Mass Transit Accounts of HTF of $19.5 billion in March 2010.
- From Leaking Underground Storage Tank Trust Fund to HTF of $2.4 billion in July 2012.
- From GF to Mass Transit Account of HTF of $2.2 billion in fiscal year 2014.

Meanwhile, we are witnessing a shift in the national travel pattern. People are driving less and moving to cities and urban centers, reducing vehicle miles traveled as shown on the following graph from Mr. Basso:

United States Representative Earl Blumenauer, a democrat from Oregon’s 3rd District, Portland, is leading an effort to address the Highway Trust Fund. Blumenauer introduced legislation in December to increase the gas tax to 33.4 cents per gallon over a three year period and index the tax to inflation. This legislative session, I hope our state and local leaders work together to come up with a sensible funding package to maintain our regional surface transportation investments in a sustainable way. -- Dongho Chang, President, itewapresident@gmail.com
January Lunch Meeting Menu (Continued from page 1)

1. Roast Beef: Roast Beef, lettuce, tomato, and mayo on a roll.
2. Turkey Havarti: Turkey, Havarti, bacon, tomato, onion, pepperoncini, lettuce, and mayo on honey wheat.
3. Ham and Havarti: Served with lettuce, tomato, red onion, mayo, and Dijon on sourdough.
4. Croissant Club: Smoked turkey, ham, bacon, Swiss cheese, avocado, lettuce, tomato, mayo, and Dijon on a croissant.
5. Cobb Salad: Diced Chicken breast, bacon, egg, mozzarella, olives, and tomatoes with Bleu Cheese.
6. Garden Salad: Fresh salad mix with tomatoes, olives, cucumbers, onion, carrots, avocado, sunflower seeds, low-fat mozzarella, and lemon vinaigrette.
7. The Veggie: Cucumber, cream cheese, sunflower seeds, lettuce, sprouts, tomato, mayo, carrots, and avocado on honey wheat.
Scribe Report
Photos and Slides from the December breakfast meeting:
Curb Ramps that Meet
Americans with Disabilities Act Requirements

By Dongho Chang, ITE-WA President, City of Seattle

We had a fantastic turnout at the December breakfast meeting, with record attendance. The venue was the Beach Park Event Center in Des Moines and the topic was Title II of the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act. These federal laws require state and local agencies to provide pedestrian routes and other facilities that are accessible to people with disabilities. The following speakers provided an overview of the two laws, discussed how agencies have established compliance programs, and provided details of design and construction challenges and solutions regarding curb ramps and sidewalks:

- Ron Franzen, WSDOT Trainer
- Erich Ellis, Seattle Department of Transportation Design Manager
- Harold Wirch, Retired Snohomish County Signal Engineer
- Janet Hall, Mountlake Terrace Traffic Engineer
- Laeth Al-Rashid, Seattle Project Design Engineer

The presentations can be found at [http://www.westernite.org/Sections/washington/presentations/presentations.html](http://www.westernite.org/Sections/washington/presentations/presentations.html). For more information about laws and standards, please see [http://www.wsdot.wa.gov/LocalPrograms/](http://www.wsdot.wa.gov/LocalPrograms/)

Note from the Treasurer

This is a reminder that we have expanded payment options for our members. Besides paying by cash or check, ITE WA can now accept payments through the Square Card Reader and PayPal. Now all four options are available for each ITE WA-sponsored monthly event, advertising, and to pay for membership dues.
Safety Corner

News from the Section Safety Committee

By Gary Norris, Safety Committee Chair, DN Traffic Consultants

I hope everyone has been enjoying this holiday season and is looking forward to a prosperous 2014. As the year begins, printing presses will roll out the update of Target Zero. Signed by Governor Inslee in December, Target Zero is Washington State’s strategy to achieve zero fatalities and serious injuries by the year 2030. Stay tuned as we hope that Target Zero can be the topic for the March lunch meeting. In the meantime, please take a look at this new zero fatality video that our state developed, similar to one New Mexico produced: [http://www.youtube.com/watch?v=zaT6d1pwBEE&feature=youtu.be](http://www.youtube.com/watch?v=zaT6d1pwBEE&feature=youtu.be).

This year I encourage everyone to ponder ways in which we might individually contribute to the goal of zero fatalities and serious injuries in 2014. How might we do that? Here are some simple suggestions:

1. Observe all traffic signs, including speed limits.
2. Make sure your seat belt is always buckled - even at night.
3. Don’t text, e-mail, or talk on your cell phone while driving. I challenge you to take the Text Free Pledge on page 4 of the November 2013 newsletter.
4. Don’t drive buzzed. That includes alcohol, marijuana, or prescription or over-the-counter drugs.
5. Don’t engage in road rage.

As members of the Institute of Transportation Engineers and transportation professionals in our state, we should set an example for others.

As a reminder, we will sponsor an online training on the Highway Safety Manual that will begin in early 2014. If you are interested in participating please contact me at gary@dntrafficconsultants.com or Robert Shull at rshull@transportmodeler.com.

The Safety Committee continues to look at ways that our section can significantly participate in Target Zero and improve safety in Washington State. If you have any ideas or want to join the Safety Committee, please contact one of the Safety Committee members:

- Caroline Brabrook, cbrabrook@yahoo.com
- Brian Chandler, chandlerbe@leidos.com
- Scott Davis, davissa@co.thurston.wa.us
- Matthew Enders, matthew.enders@wsdot.wa.gov
- Janet Hall, jhall@ci.mlt.wa.us
- Mike Hendrix, mhendrix@perteet.com
- Steve Mullen, smullen@kentwa.gov
- Robert Shull, rshull@transportmodeler.com
- Gary Norris, gary@dntrafficconsultants.com

Please be safe in 2014 as we shoot for zero fatal and serious injuries in Washington State.
Campus Corner

ITE Student Summit: A message from host Cal Poly in San Luis Obispo

By Daniel Foye, Communications Chair, ITE Cal Poly San Luis Obispo Chapter

Registration for the ITE Student summit, Feb. 15-17, is now available online! Please visit regonline.com/ite-sls. This website will provide you with information on registration, meal options, your free t-shirt, and much more. Our website also provides a link to the event: http://www.calpolyite.com/summit.

Lodging: When you register, you will have the option of stating where you will be lodging. If you are not sure yet, just leave it blank. For lodging, I recommend the La Cuesta Inn (805-543-2777), Best Western Royal Oak (805-544-4410), or the Holiday Inn (805-544-8600). These hotels are less than a mile from campus and are student friendly. Or you are welcome to stay somewhere else. Limited spots are available to stay with our ITE students. Priority will be given to those who are flying into San Luis Obispo. Feel free to contact me at dfoye@calpoly.edu if you would like to be considered.

Schedule: The schedule (see page 9) is subject to change. The activities begin at 11 a.m. on Saturday. Check in will begin at 10 a.m. that morning and end at 6 p.m. that evening. We recommend that you get into San Luis Obispo before 6 p.m. on Saturday because otherwise you will miss some of the fun! The summit will close at 12:30 p.m. on Monday. There is an optional hike planned after the conference close, weather permitting. It is an easy hike in the hills on our campus and if you have extra time Monday afternoon, you are welcome to stay!

Meals: All meals will be provided except for a dinner Sunday downtown and an optional meal Monday afternoon after the summit activities end. The Sunday dinner will be held at SloCo Pasty Co. This restaurant, unique to San Luis Obispo, offers a California Twist on a traditional English meal.

Please sign up: I hope you will be able to attend this inaugural summit! Many of you have already expressed interest so I am thrilled to see that you are as enthusiastic as I am about this conference. Prices go up after December 31 so don't delay. If you have any questions about the website please contact tkawahar@calpoly.edu. For any other general questions, please contact me at dfoye@calpoly.edu.

(Continued on page 9)

Reminders about Activities and Opportunities for 2013-2014

By Richard Hutchinson, Student Activities Committee Chair, KPG

Student Night Competition
We are looking for a demonstration project for this year's Student Night. If you know of a project that you think would be interesting, please contact me at 253-344-5267 or richardh@kpg.com. This is a good opportunity to bring an interesting project that has been shelved or that is lower on the funding priority list to the forefront while letting students visit the site, crunch a few numbers, and develop and give a presentation of their ideas on how to address the issue.

$1,500 Undergraduate and $2,000 Graduate Scholarships
Scholarships from ITE WA for students in transportation engineering or transportation planning are due the first week in April 2014. Criteria and applications will be posted on the ITE-WA website in early 2014. If you know a student that you think would be a good candidate, please encourage them to submit an application this year.

KPG

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Impact Fees & Concurrency

Page 8
Bicycle Signal Faces: Interim Approval for their Use

By Dongho Chang, ITE-WA President, City of Seattle and Susan Bowe, Washington State Department of Transportation Highways and Local Programs

On December 24, 2013, the Federal Highway Administration issued a memorandum to its division offices inviting agencies to apply for interim approval for the use of optional bicycle signal faces and signs. An interim approval applies to a traffic control device that has been tested or is in the process of being tested and is being considered for addition to the next edition of the Manual on Uniform Traffic Control Devices. To learn more, please watch for an update on FHWA’s Interim Approvals Web page at http://mutcd.fhwa.dot.gov/res-interim_approvals.htm.

Graphic provided by Federal Highway Administration

ITE Student Summit
(Continued from page 8)

Tentative Schedule for the ITE Student Summit
(See page 8 for more details)

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<th>Saturday</th>
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<td>8:00</td>
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Graphic provided by Federal Highway Administration
Technical Article

King County’s Right Size Parking Project

By: Daniel Rowe, King County Metro Division, Market and Service Development

Note: This article follows a presentation that Daniel Rowe gave at the March 12, 2013 ITE WA lunch meeting.

King County Metro’s Right Size Parking (RSP) Project has developed tools to balance multifamily parking issues with community, government, and real estate interests. The project provides an empirical, research-based approach to estimating residential parking demand that enables policymakers and housing developers to use empirical data when making parking allocation and pricing decisions. Aligning parking supply and demand supports a wide range of community goals, including housing affordability, smart growth, and economic development. Most cities in King County require a minimum ratio of parking stalls per housing unit, but until this study, there was no clear understanding of parking “demand” and as a result these existing minimums are often an inaccurate indicator of how much parking is needed. With Washington State Department Of Transportation’s support, King County received funding to investigate this issue through a three-year grant from the Federal Highway Administration’s (FHWA) Value Pricing Pilot Program. Because RSP results reveal the community and development factors drive parking demand, they can be used to better inform both parking requirements and pricing decisions in the local context.

The RSP project gathered data about parking utilization and pricing at more than 200 multifamily residential properties in King County and used statistical analysis to determine which characteristics of the neighborhood and property drove occupancy rates. These characteristics account for over 80% of the variation in parking use, and include the price charged for parking, the area’s density of population and employment, and the development’s proximity to transit, the number of affordable housing units, and average rental cost, per unit size, and number of

(Continued on page 12)
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The RSP study determined that existing parking capacity exceeds utilization by an average of 0.4 parking spaces per housing unit, which can lead to approximately $800,000 in wasted construction costs for a 150 unit suburban development. Armed with this knowledge, the Project team developed a calculator (www.rightsizeparking.org) that allows stakeholders such as local governments, developers, and community groups to view estimations of parking use at the parcel level. The RSP calculator will inform decision makers’ choices about how much parking to require or to build in King County, and demonstrates the effectiveness of unbundling parking price from housing costs where appropriate, given contextual factors. Separating the largely hidden cost of residential parking from the cost of housing allows consumers to make educated decisions about car ownership and where to park their cars, often reducing demand for parking, requiring less capacity, and better utilizing existing supply.

There are several pilot projects underway or in development that put this research into practice and test RSP concepts. These pilots are driven by stakeholder engagement and fit into one of two categories: a policy-based approach that aligns parking regulations with research and a pricing-based approach to test market parking charges along with innovative parking management and transportation demand management strategies.

Four King County cities, including Kent, Kirkland, Seattle and Tukwila, are participating in the policy pilots, which all held recent kickoff meetings. A request for proposals for pricing pilots closed November 1, 2013, and King County received five responses. Final awards were to be decided later that month and pilots are expected to begin in 2014.

The RSP project has garnered national attention, spurring initiatives in other regions, and many communities are examining the project to identify how RSP concepts can be implemented in their area. For more information on the project, visit: www.kingcounty.gov/RightSizeParking. To view Daniel Rowe’s presentation from the March 12, 2013 ITE-WA lunch meeting, visit: http://www.westernite.org/Sections/washington/presentations/2013/Right%20Size%20Parking.pdf.

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WSDOT Mission: WSDOT provides and supports safe, reliable, and cost-effective transportation options to improve livable communities and economic vitality for people and businesses.

ITE WA website: http://www.westernite.org/Sections/Washington/
Section Business

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- Full page (width = 7 1/2 inches, height = 10 inches): $1,000

Ads run from January through December. To submit your ad, please e-mail it in jpg, png, or tif file format to: Paul Cho, ITE WA Secretary at itewasecretary@gmail.com. Also send a check made out to “Institute of Transportation Engineers” for the ad size you desire to: Carter Danne, ITE WA Vice President/Treasurer at the above address. Please call Carter Danne at the above phone number to instead pay using the Square Card Reader or PayPal.

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Please let us know if your contact information changes so that you continue to receive monthly ITE WA announcements and newsletters by e-mail. 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, Newsletter Editor at itewaeditor@gmail.com.

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