INSTITUTE OF TRANSPORTATION ENGINEERS / WASHINGTON STATE SECTION

ITE WASHINGTON

http://www.westernite.org/Sections/Washington/ October 2013

Letter from the President

WA Section President Dongho Chang bicycling with his family (left to right): Ann Marie, Mia, and Jayden

I hope everyone enjoyed our unusually mild and dry summer. Our family, like many others in our community, ended our summer break anxiously awaiting the Seattle Public School's and the teacher's union last minute contract agreement. Now that school has started, we are experiencing the initial chaotic routines of parents dropping off and picking up their children at our local schools and other schools throughout the city.

Our family is fortunate to live close to our local schools and to have safe walking and bicycling options to use for our daily routine. We know that this is not the case regionally and nationally as three examples show.

(Continued on page 3)

In This Issue

Letter from the President	1
October Meeting	1
IMSA 2013 NW Section Conference	5
Road & Streets Maintenance Supervisors Conf.	6
ATSSA NW Chapter Fall Meeting	6
2013 ITE WA Event Schedule	6
Scribe Report for September lunch meeting	9
Traffic Simulation Roundtable Wrap-up	10
Campus Corner: Activities & Opportunities	10
Safety Corner: News	11
Section Business	12

October Meeting

I-5 Skagit River Bridge Replacement Project

The I-5 steel truss bridge spanning Skagit River in Mount Vernon collapsed on the evening of May 23, 2013 after it was struck by a truck carrying an over-height load. The incredible and heroic actions by responders, especially State Trooper Sean O'Connell who died while directing detour traffic have instilled confidence and gratitude in our community. The temporary bridge was installed on June 19. The permanent replacement bridge was opened to traffic on September 15. Please join us at our October meeting to hear about this remarkable event and the swift and well coordinated response. Our speaker will be Dina Swires, Mount Baker Area Traffic Engineer for Washington State Department of Transportation's Northwest Region.

Piling installation visual
Courtesy of WSDOT, Max. J. Kuney Construction, and Parsons Brinckerhoff

WHEN Tuesday, October 8, 2013 from 11:30 a.m.- 2:00 p.m.

WHERE Edmonds Plaza Room, 425-771-0230
650 Main Street, Edmonds, WA 98020 (Map)

COST $20 which includes lunch or $5 without lunch. Brown bag lunches are welcome.

MENU Box lunch from Ingallina's. See choices on page 6.

RSVP Please register with Carla Nasr at itewaregister@gmail.com by 5:00 p.m. on Friday, October 4. Please note that any lunch order not cancelled before October 4 will be charged to you, to cover the cost of the meal.

ROADWAY LIGHTING & POLE SOLUTIONS
SEA-TAC
Philips Color Kinetics Handrail Illumination:
PHILIPS
COLOR KINETICS
• LED Color or White
• Static or Color Changing
• Shows – Chasing, pattern, color changing, etc.
www.colorkinetics.com
www.leotek.com
LEOTEK
Over 14,000 Washington State Installations
KING
LED TECHNOLOGY
www.kingluminaire.com
SEA-TAC
STOP
Sea-Tac Lighting & Controls, LLC ROADWAY DIVISION 206.575.6865 www.seataclighting.com

Letter from the President

(Continued from page 1)

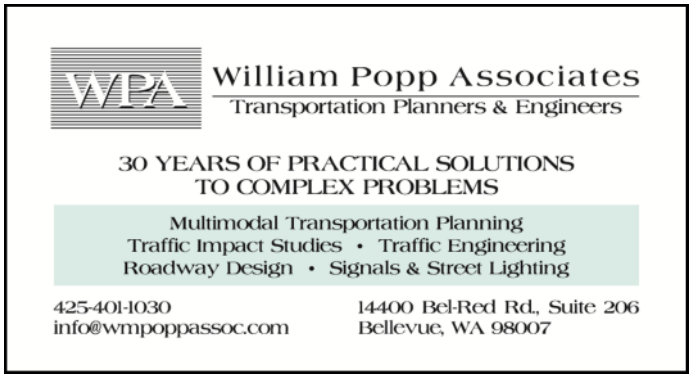
1. A 2003 study by the Environmental Protection Agency showed that walking to school by children living within one mile dropped from 90% in 1969 to 31% in 2001.
2. The National Center for Safe Routes to School reports that the percentage of children between the ages of five and 14 who walk or bicycle to school declined from 48% in 1969 to 13% in 2009.
3. Parents cited distance to school (61.5%) and traffic related danger (30.4%) as the largest barriers to their children walking and bicycling to school according to a Centers for Disease Control survey.

We as transportation professionals need to continue our efforts, and even revamp them, to provide accessible and safe routes to our schools. One great example of a program to increase the number of children who walk or bicycle to school is Washington State Department of Transportation's (WSDOT) Safe Routes to School Program. This program has awarded $55 million for 140 projects across the state since 2005 to improve safety, increase the number of children walking and biking to school, reduce congestion, and provide healthy alternatives to driving kids to school. The projects are averaging a 20% increase in the number of children walking and biking to school. WSDOT Highways and Local Programs Director Kathleen Davis and her staff deserve our collective thanks for administering this worthy program. This is the type of program that Senators Curtis King and Tracey Eide, the co-chairs of the Senate Transportation Committee, need to hear from us about as they finish their statewide listening tour about transportation issues, including future funding. The committee will hold four more transportation feedback forums during the tour, including:

- **Oct. 7 in Vancouver from 6-9 p.m.**
  Washington State Department of Transportation Southwest Region Office, 11018 Northeast 51st Circle, Vancouver 98682
- **Oct. 9 in Tacoma from 6-9 p.m.**
  The Evergreen State College, Tacoma Campus, Lyceum Hall, 1210 6th Avenue, Tacoma 98405
- **Oct. 14 in Seattle from 6-9 p.m.**
  King County Courthouse, Room 1001, 516 3rd Avenue, 10th Floor, Seattle 98104
- **Oct. 15 in Bellingham from 6-9 p.m.**
  Port of Bellingham Cruise Terminal, 355 Harris Avenue, Bellingham 98225

Please take time to make your voice heard by providing constructive feedback for a funding package that improves the safety and mobility of all transportation modes. If you will not be able to attend, you can still submit your comments using the committee's easy-to-use online comment form, located at http://www.senatetranspofeedbackforum.org/.

Dongho Chang, President
itewapresident@gmail.com



Space is available for your advertisement.
See the last page of this newsletter for details.

International Municipal Signal Association (IMSA) 2013 NW Section Conference

WHEN: Monday, October 21, 2013- Wednesday, October 23, 2013

WHERE: Greater Tacoma Convention and Trade Center (253-830-6601)
1500 Broadway, Tacoma, WA 98402 (Get directions and parking information)

PROGRAM AND REGISTRATION INFORMATION: There will be 11 certification classes for Signs and Marking, Signals, Lighting, and Work Zone. Please visit the conference website for details and conference registration information: http://cm.wsu.edu/ehome/index.php?eventid=66426& . There will be 33 technical sessions (two parallel tracks) that will also count towards TARP points requirements for those maintaining certifications. The sessions are designed to provide you with tools to enhance your professional practice. A copy of the conference's preliminary technical program is attached for your information. There is also a vendor show and equipment display with many vendors in attendance explaining their emerging technologies.

PRELIMINARY TECHNICAL TOPICS INCLUDE:

- Urban Dynamic Signing
- Wireless Communications for ITS
- Puget Sound Energy Management
- Pedestrian Detection
- TS2 Cabinet Troubleshooting
- Tort Liability
- Fiber Troubleshooting
- New Materials for Signs & Marking
- Pedestrian Detection & Drive warning
- LED Street Lighting
- Rectangular Rapid Flash Beacons (RRFB)
- Smart Work-Zones with TIS Products
- LOOPS, FYA, MMU/CMU testing
- ATC Controller
- Security in Traffic Systems
- PSRC Operations
- Fiber & Ethernet Test Equipment
- LED Adaptive Roadway Lighting
- Seattle LED Lighting Experience

Come to the conference and check out what's new in the traffic/transportation industry, and meet with the manufacturer representatives. This is also an excellent opportunity to meet people from other agencies and companies and share ideas and experiences with each other.

ITE WA website

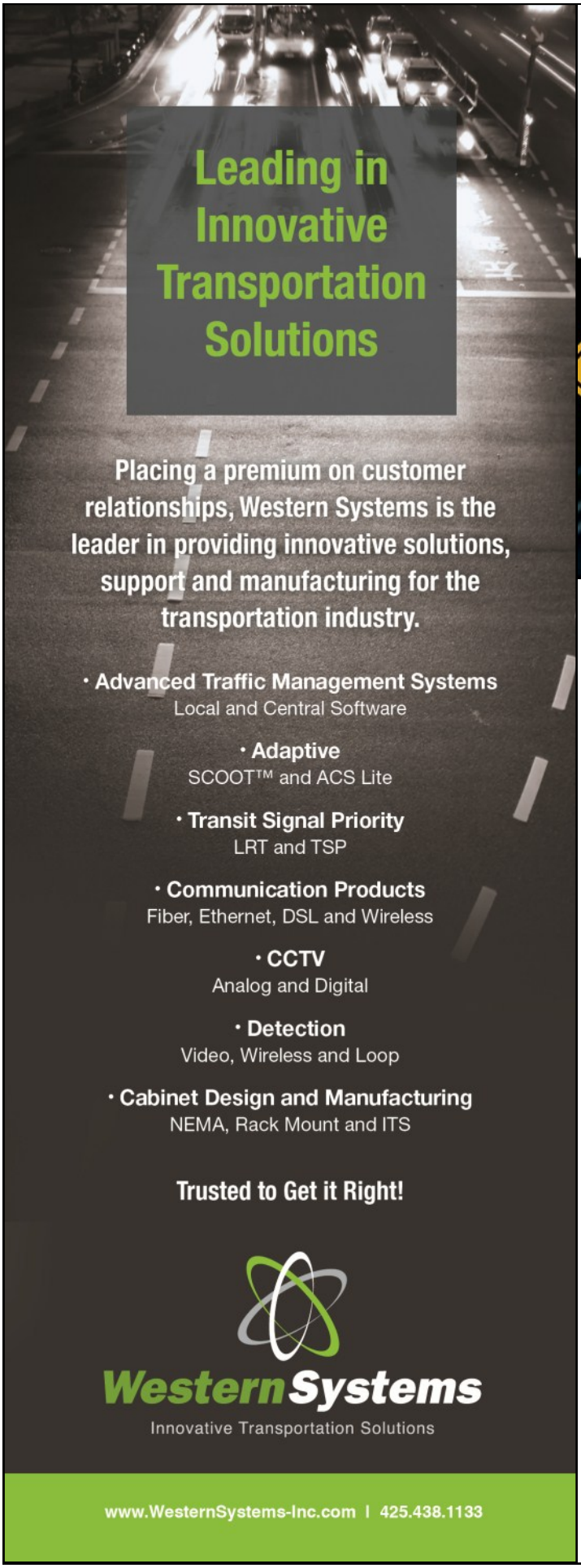
http://www.westernite.org/Sections/Washington/

Follow Us on Twitter!

@ITE_Washington

FEHR & PEERS
1001 – 4th Avenue, Suite 4120
Seattle, WA 98154
Ph. 206.576.4220
www.fehrandpeers.com

- Multi-Modal Transportation
- Travel Demand Forecasting
- Traffic Operations
- Sustainable Transportation
- Bicycle & Pedestrian Planning
- Transit Planning
- Impact Fees & Concurrency



Road and Street Maintenance Supervisors Conference

October 14–16, 2013
Yakima Convention Center

The Road and Street Maintenance Supervisors Conference is a long-time Pacific Northwest tradition that brings agencies together to forward and enhance road and street maintenance operations in the Pacific Northwest. It is one of the few venues tailored specifically for the presentation of state-of-the-art methods and techniques for the maintenance and repair of streets, road, highways, and bridges. The conference offers road and street supervisors, lead technicians, equipment operators, and maintenance specialists the opportunity to discuss current issues and challenges that their agencies are experiencing and to share various approaches and solutions. Included are management topics and practices for personnel and equipment. The vendor showcase exhibits new products, materials, and equipment.

Registration is available for just the Traffic Solutions conference tracks, to be held on October 15. These tracks should be of particular interest to city, county, and state maintenance supervisors and maintenance technicians who are responsible for the installation and maintenance of traffic signs, pavement markings, paint striping, and other traffic control devices.

The conference is sponsored by Washington State University. This year's program, hotel, and registration information is on their website at http://cm.wsu.edu/rs. For questions please contact WSU Conference Management at 800-942-4978 or 509-335-3530 or at

American Traffic Safety Services Association (ATSSA) NW Chapter Fall Meeting

Please mark your calendars for the next meeting of the NW Chapter of ATSSA:

WHEN: Wednesday, November 20, 2013. Program begins at 10 a.m.
WHERE: Location to be determined in the Seattle area.

This is a free event. Please submit requested agenda items to Pete Speer at Peter.Speer@pexco.com. We look forward to seeing you there!

ITE WA Event Schedule for 2013-2014

These dates for ITE WA meetings and events are subject to change depending upon the availability of venues.

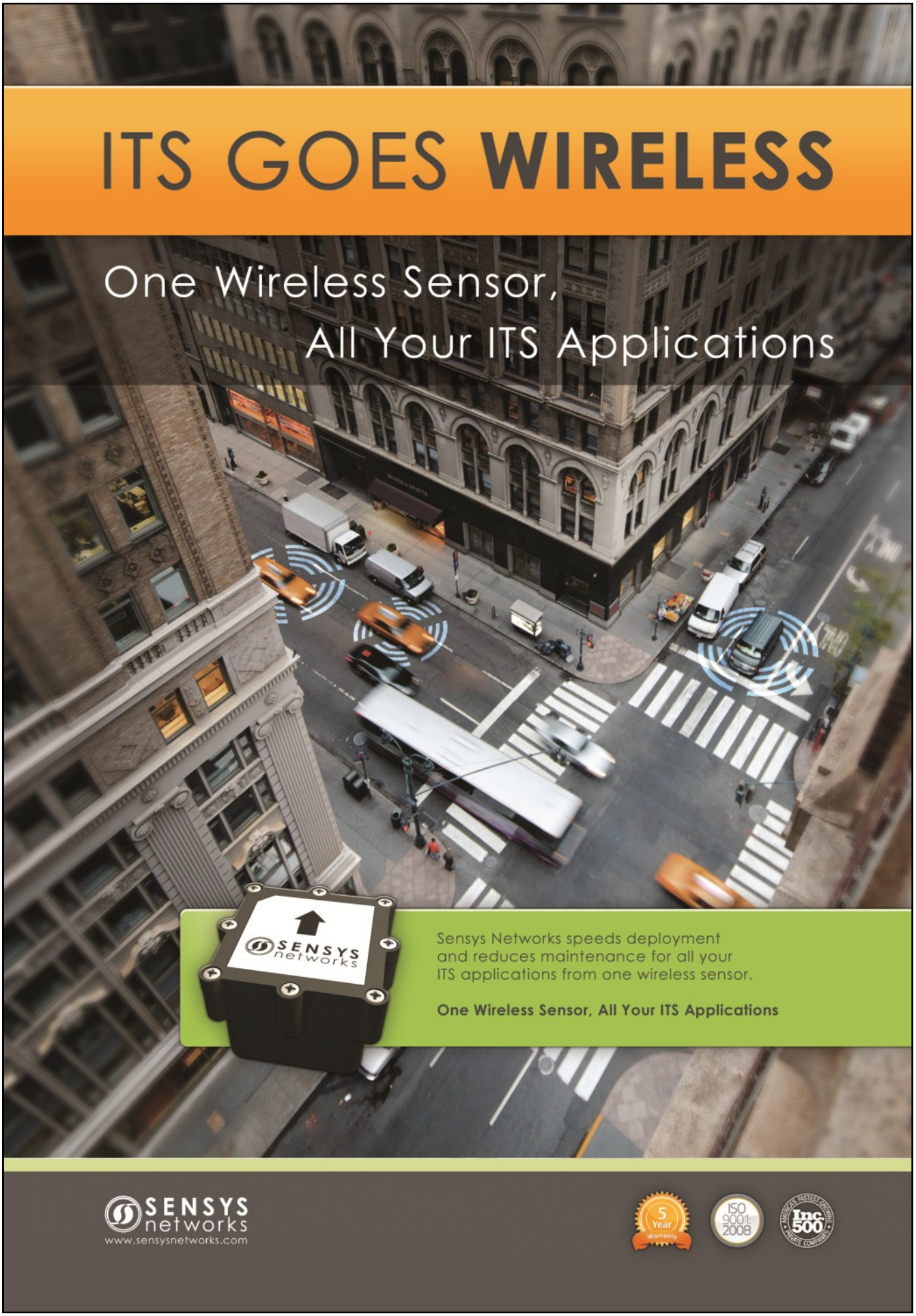
- Tuesday, October 8 – Lunch meeting. Topic I-5 Skagit River Bridge Replacement Project. See page 1 .
- Tuesday, November 12 – Lunch meeting.
- Tuesday, December 10 – Breakfast/Training.
- Tuesday, January 14 – Lunch meeting at the Nile Shrine Golf Center in Mountlake Terrace.
- Monday, February 10 – ITE/International Municipal Signal Association (IMSA) meeting.
- Tuesday, March 18 – Lunch meeting.
- Tuesday, April 8 – Lunch meeting.
- Tuesday, May 13 – Student Night.
- Tuesday, June 10 – Annual Business Meeting.
- Sunday, June 29 – Wednesday July 2 – Western District Annual Meeting in Rapid City, South Dakota.
- Sunday, August 10 – Wednesday August 13 – ITE WA helps with hosting the 2014 ITE International Annual Meeting and Exhibit in Seattle.

October Luncheon Meeting Menu *(Continued from page 1)*

1. Smoked turkey and creamy Havarti cheese on Ciabatta bread with pesto mayonnaise, mixed greens, tomato, and balsamic vinaigrette.
2. Chicken club on Ciabatta bread with avocado, cheddar cheese, bacon, lettuce, and tomato.
3. Roasted portobello mushroom sandwich (vegetarian) on focaccia bread with spinach, mozzarella, roasted red peppers, and pesto mayonnaise.
4. Albacore tuna on whole wheat with dill pickle chunks, celery, mayonnaise, cheddar cheese, lettuce, and tomato.
5. Tomato, mozzarella and avocado sandwich (vegetarian) on whole wheat Ciabatta bread with pesto mayonnaise, lettuce, and balsamic vinaigrette.
6. Citrus marinated Cuban flat iron steak on a baguette with Havana black bean pesto, cilantro, and red pepper.
7. Italian salami on a submarine baguette with pepperoni, ham, pepper jack and cheddar cheeses, Kalamata olives, pepperoncini peppers, and tomato served with a side of Italian vinaigrette.
8. Smoked turkey salad: Gourmet greens topped with smoked turkey, mandarin oranges, avocado, red onion, and pumpkin seeds with orange vinaigrette dressing.

DCI ENGINEERS
Debbie Wick-Harris, P.E., PTOE
Associate - Civil Division Manager
LEED® Accredited Professional
818 Stewart Street, Suite 1000
Seattle, WA 98101
Main: (206) 332-1900
Direct: (206) 787-8919
dwick-harris@dci-engineers.com
Civil, Traffic and Structural

PACLAND
MASTER PLANNING AND DESIGN
TRAFFIC ENGINEERING
TRAFFIC OPERATIONS
TRANSPORTATION PS&E
ROUNDABOUT DESIGN
SIGNAL AND STREET LIGHTING
ASHISH (ASH) SABNEKAR, PE
TRAFFIC ENGINEERING MANAGER
ASABNEKAR@PACLAND.COM
T 360.786.9500
606 Columbia Street NW, Suite 106
Olympia, WA 98501
WWW.PACLAND.COM


ITS GOES WIRELESS
One Wireless Sensor,
All Your ITS Applications
SENSYS networks
Sensys Networks speeds deployment
and reduces maintenance for all your
ITS applications from one wireless sensor.
One Wireless Sensor, All Your ITS Applications
SENSYS networks
www.sensysnetworks.com
5 Year warranty
ISO 9001:2008
Inc 500

Scribe Report

Photos from the September lunch meeting: SR 99 Alaskan Way Viaduct Replacement Project

The world's largest tunnel boring machine, Big Bertha, began its 14 month journey under downtown Seattle in late July, 2013. On September 10, 2013, ITE WA members got a chance to learn about the details of this incredible engineering feat and the construction of an underground highway by tunneling under the city. The meeting was held at Salty's on Alki Beach in Seattle and our guest speaker was Brian Nielsen, Contract Administrator for the tunnel project.

WSDOT's Brian Nielsen talks about life down under, in Bertha's world
Photo by Dongho Chang

Entertaining Aliyah Horton (second from left), Associate Executive Director for Strategic Initiatives and Government Relations, ITE International
Photo by Dongho Chang

The grounds at Salty's on Alki Beach, Seattle
Photo by Susan Bowe

Laughs with Tom Brahms, (facing the camera)
Photo by Dongho Chang

Traffic Simulation Roundtable

September 30 Roundtable Wrap-up

By Brian Woodburn, Parametrix

On September 30, 2013, the ITE Washington and ITE Oregon Traffic Simulation Roundtable groups partnered to provide a half-day workshop with speakers and participants from both states. Over 70 engineers, planners, managers, and transportation modelers from the public, private, and academic sectors attended and listened to presentations on data integration and statistics, tolling, and Advanced Traffic Management System (ATMS) modeling. Following the presentations, attendees enjoyed taking part in an informative panel discussion about analyzing and modeling alternative intersection designs. Participants used the workshop to share knowledge and network, including after the workshop.

Photo by Dongho Chang

Both roundtable groups would like to extend a special thanks to the skilled and entertaining presenters for sharing their knowledge, David Evans and Associates' Portland Office for providing the venue, and the ITE Washington and ITE Oregon sections for providing lunch.

The Washington Traffic Simulation Roundtable is a Washington State ITE sub-committee. Please check future ITE Washington newsletters for upcoming events. For questions about the Roundtable, please contact Matt Beaulieu at Matt.Beaulieu@wsdot.wa.gov or 206-440-4416.

Campus Corner

Activities and Opportunities for 2013-2014

By Richard Hutchinson, Student Activities Committee Chair, KPG

It's the beginning of yet another school year for the many Washington students involved with ITE. Some of the key activities/opportunities to keep an eye on this year include:

District 6 Data Collection Project
The University of Washington Student Chapter hopes to receive a $1,000 grant again this year from the ITE Western District this year. UW has won a grant 6 years in a row! Let's see if they can keep it up!

$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 this winter. If you know a student that you think would be a good candidate, encourage them to submit an application this year.

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. Thanks again to the City of Seattle for contributing the project information for last year's Student Night!

Safety Corner

News from the Section Safety Committee

By Gary Norris, Safety Committee Chair, DN Traffic Consultants

The Safety Committee is excited about the beginning of a new program year. We will again offer a short course via Skype on the fundamentals of the Highway Safety Manual. If you have any desire to learn more about the this tool, please contact Gary Norris (gary@dntrafficconsultants.com) or Robert Shull (rshull@transportmodeler.com) for upcoming sessions.

The update of the Target Zero, Washington State's strategy to achieve zero fatalities and serious injuries by the year 2030 is currently in the final draft stages. Thank you to everyone who submitted comments during the public comment period that ended on September 23, 2013.

Our committee would like to identify a project our section could perform to assist in accomplishing the objectives of Target Zero. In a recent conversation, I learned that auto insurance rates in Boston are approximately one-half of what is paid in Nashville Tennessee. Someone suggested that this was the result of Massachusetts' Automobile Safety Inspection Program. Perhaps our section could undertake a project to determine the validity of this claim and offer some legislative action which could improve safety and reduce auto insurance. Just a thought. Other potential ideas are welcome. Please contact one of the committee members to discuss your ideas: Robert Shull (rshull@transportmodeler.com), Steve Mullen (smullen@kent.wa.gov), or Gary Norris (gary@dntrafficconsultants.com).

Washington State Local Technical Assistance Program

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

KPG
A Planning & Design Firm
Traffic Engineering
Transportation Planning
Sustainable Transportation Solutions
Signal, Illumination & ITS Design
Transit Planning & Design
Non-Motorized Planning & Design
Seattle | 206.286.1640
Tacoma | 253.627.0720
www.kpg.com

All Traffic Data
Services Inc.
Eric Boivin
6401 Lake Washington Blvd SE
Renton, WA 98056
ericboivin@alltrafficdata.net
Phone 425.228.0072
Cell 303.668.0220
Fax 303.278.2681

Perteet
• Transit planning
• Traffic engineering
• Transportation planning & design
• Pedestrian-bicycle planning & design
Offices in Seattle, Everett and Snoqualmie
Call 1-800-615-9900 or visit www.perteet.com
engineers, planners, surveyors

DTG
Women Business Enterprise
TRAFFIC DATA GATHERING
Carla Nasr
President
11410 13th Street SE
Lake Stevens, WA 98258
(425) 334-3348
FAX 335-5979
CarlaN@trafficdatagathering.com
Established 1991

Section Business

Section Board for September 2013-August 2014

President	Vice President/Treasurer	Secretary	Immediate Past President
Dongho Chang, P.E., PTOE City Traffic Engineer City of Seattle 700 Fifth Avenue P.O. Box 34996 Seattle, WA 98124 206-684-5106 itewapresident@gmail.com	Carter Danne, P.E., PTOE Associate Civil Engineer City of Seattle 700 Fifth Avenue P.O. Box 34996 Seattle, WA 98124 206-684-0817 itewatreasurer@gmail.com	Paul Cho, P.E., PTOE Traffic Operations Engineer City of Redmond 15670 NE 85th St., MS 2NPW P.O. Box 97010 Redmond, WA 98073-9710 425-556-2751 pcho@redmond.gov	James W. Ellison, P.E. Consulting Traffic Engineer 1600-B SW Dash Point Rd., #33 Federal Way, WA 98023 253-666-2377 jim@jameswellison.com

Newsletter Advertisements

Advertising for this newsletter is available in the following sizes:

- Business card: $100
- 1/4 page (width = 3 1/4 inches, height = 5 inches): $250
- 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. 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 for the ad size you desire to: Carter Danne, ITE WA Vice President/Treasurer at Carter Danne, Associate Civil Engineer, City of Seattle, P.O. Box 34996, Seattle, WA 98124.

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 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 on this newsletter or have an interesting topic or project to share, please contact Susan Bowe, Newsletter Editor at itewaeditor@gmail.com .

ITE WA website

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

Follow Us on Twitter!

@ITE_Washington