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ITE WASHINGTON

Letter from the President

In preparation for writing my final President's Message, I stopped by the library to review how some of our most famous literary works have ended. Here's what I uncovered:

"Oh, my girls, however long you may live, I never can wish you a greater happiness than this!"

- Louisa May Alcott, Little Women

Kevin Chang
WA Section President

"In the present case it is no less essential to get away from a false sensation of freedom and accept a dependence that we cannot feel."

- Leo Tolstoy, War and Peace

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SAVE THE DATE

ITE Annual Meeting and Golf Tournament

ITE WA is holding its annual meeting on Monday June 11th at the Museum of Flight in Tukwila WA. Please find all the details below. Also, please note that each attendee will receive an entrance to the museum of flight on that day.

Please see page 4 for the scheduled speakers and topics at the annual meeting. Please see page 5 for details about the golf tournament.

WHEN Monday, June 11, 2012
9:00 AM - 2:00 PM

VENUE The Museum of Flight
The View Lounge Room
9404 East Marginal Way S
Tukwila, WA 98108 (view map)
(206) 764-5720

COST $40

MENU A catered lunch from McCormick & Schmick's will be served, buffet style. It includes salads, chicken, pasta, salmon, coffee and desert.

RSVP Please register by RSVP'ing to Carla Nasr at itewaregister@gmail.com no later than Thursday, June 7th at 5:00 PM. No-shows will be billed for their meal.

(Continued from page 1)

"Should we tell her about it?
Now, what should we do?
Well …
What would you do
If your mother asked you?"

- Dr. Seuss, The Cat in the Hat

These passages, as you may have suspected, did not exactly trigger a wave of creativity and inspiration.

I thought about recapping all of the wonderful activities that have taken place over the course of these last twelve months. I considered writing about how this year's board embraced the opportunity to provide a diverse set of topics and affordable program options to its members, and how we welcomed new faces when we scheduled lunch meetings in Snohomish and Tukwila.

I was convinced that my last message would be short and sweet, positive, and invigorating to reflect upon how much I have enjoyed serving as your President this year, and how appreciative I am to have been chosen, by you, to lead this wonderful organization.

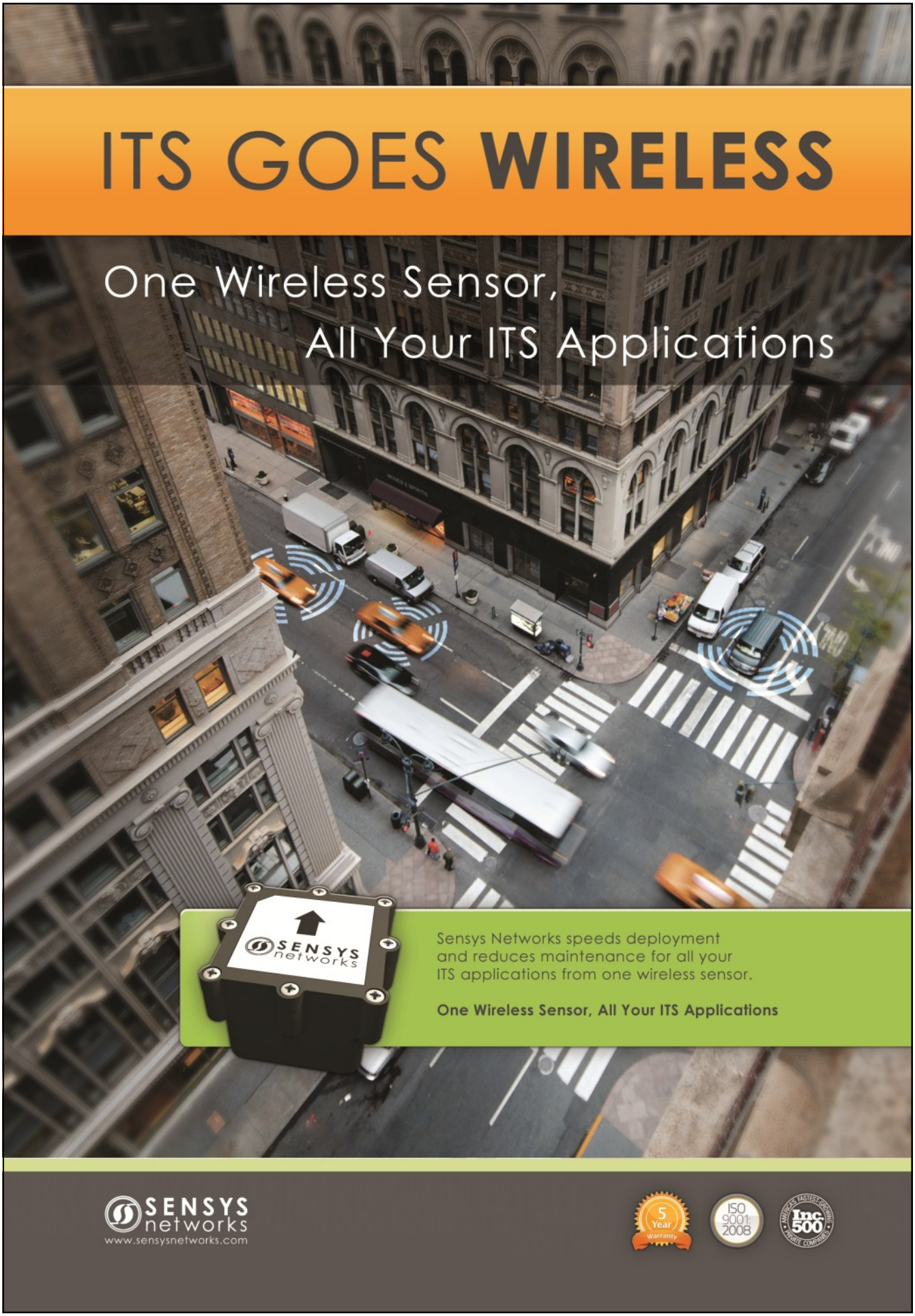
But these are challenging times, so the ongoing economic and professional challenges facing our industry and workforce warrant attention. We are at an important crossroads. Our state is home to many large transportation projects currently in design and construction, but there is also a shifting focus toward the maintenance and preservation of existing resources. How will these business decisions affect what we do on a day-to-day basis, and how must our aging work force adapt to these changes? How can we attract new transportation engineers when work opportunities are currently limited and the perceived potential of other industries, such as technology, continue to expand and evolve?

It is my hope that our creativity and value, as transportation engineers, is neither stalled nor constrained during these challenging times. I am hopeful that we will embrace the opportunity to acquire a new or add to our existing skill set so that our ability to work smarter and more efficiently than ever before is possible when the economy recovers. Many public and private sector employees, including myself and many of my King County colleagues, have seen and experienced first-hand the devastating blows to morale as co-workers have departed and program budgets have been reduced or eliminated. The most unsettling aspect just might be not knowing if the next meeting or e-mail will contain information that dictates how a career path might be changing.

When there is such uncertainty, we seek out our personal communities for comfort. Our ITE community has played an unquantifiable role that has gone beyond our offerings of training, learning, and networking. Our events have provided a place for you to engage in dialogue, to exchange lessons learned, and yes, to occasionally commiserate with one another.

In passing the torch to the very capable hands of Mr. Jim Ellison, your next ITE-Washington President, I want to personally thank you once again for your support and involvement this past year. I've certainly enjoyed it. Let us now continue to do great things and, literally and figuratively, keep this state moving forward.

Kevin Chang, President
itewapresident@gmail.com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ITE Washington State Section Annual Meeting Speakers & Schedule

Speaker Bios

Wei Zhang, Ph.D., P.E. is the Intersection Safety R&D Program Manager for the FHWA Office of Safety. In his current position, Wei manages contract research projects and conducts in-house research in field evaluation of innovative intersection / intersection designs. Wei holds a BS in Hydraulic Engineering from Tsinghua Univ., an MS in Structural Engineering from Southern Illinois University (Edwardsville), an MS in Software Design from St. Thomas University, and a Ph.D. in Geotechnical Engineering from the University of Minnesota.

Jeralee L. Anderson, Ph.D., P.E., LEED-AP is Director of the Greenroads Foundation. She received her doctorate in sustainability and civil engineering from the University of Washington. Jeralee worked in a variety of structural, geotechnical and construction engineering positions after receiving her undergraduate degree from Cal Poly San Luis Obispo. She is a licensed professional engineer in Washington State and California.

Don Samdahl, P.E., Principal at Fehr & Peers, has 30 years of experience in transportation engineering and planning, research, training and policy planning. He has directed multimodal transportation corridor studies, comprehensive local agency transportation plans, and statewide growth management studies. Don is a past president of ITE-Washington and is the current chair of the ITE Transportation Consultants Council. He also serves as chair of the TRB Congestion Pricing and Transportation Demand Management committees. Don received his BSCE from Purdue University and his MSCE (Transportation) from Northwestern University.

Begins	Schedule
9:00 AM	Registration
9:15 AM	Presentation #1 - Mini-Roundabouts Speaker: Wei Zhang, FHWA
10:00 AM	Presentation #2 - GreenRoads Speaker: Jeralee Anderson, GreenRoads
11:00 AM	Presentation #3 - Planning Urban Roadway Systems (Recommended Practice) Speaker: Don Samdahl, Fehr and Peers
11:45 AM	Lunch Program Welcome: Kevin Chang, President, ITE Washington State Section Speaker : Ben Franz-Knight, Executive Director, Pike Place Market PDA, Pike Place Market – A Locally-Grown Success Story
12:45 PM	Awards Presentation Swearing-In of 2012-2013 Officers

Ben Franz-Knight is the Executive Director of the Pike Place Market Preservation and Development Authority (PDA). He manages day-to-day operations of the Pike Place Market including the multi-year $68 million levy-funded renovation effort, maintenance, security, custodial, leasing, housing, daystall, farm, marketing and administrative programs. Prior to the Pike Place Market he served as Executive Director of the Santa Monica Pier Restoration Corporation for 8 years providing day-to-day oversight of the Santa Monica Pier's operations, capital projects, marketing, events, maintenance, and diverse tenants. Ben is a graduate of the University of Washington.

Harbour Pointe - Site of the 24th ITE Classic

ITE Golf Classic #24

Harbour Pointe Golf Club – Mukilteo, WA

Tuesday, June 12th, 2012, 9:00am Shotgun Start

Mark Poch and Terry Gibson – Tournament Chairs

We are all set for our 24th annual ITE Classic. With over 80 golfers registered for the event, we are looking forward to a great day of golf, food, and friends.

We want to thank all our great sponsors that provide so much for this event:

All Traffic Data (Mark Skaggs) – BBQ
Advance Traffic Products (Mike Singson) – Competition Holes
Western Systems (Robert Nims) and Prime Electric (Bob Bracco) – Raffle Prizes
Tetra Tech/INCA (Scott Williams) and Sensys (Tom Chang) – Team Awards

Thanks also to Zumar, TransCore ITS, and Fehr & Peers for their support!

See you Tuesday, June 12th at Harbour Pointe!

Mark Poch and Terry Gibson
Tournament Chairs

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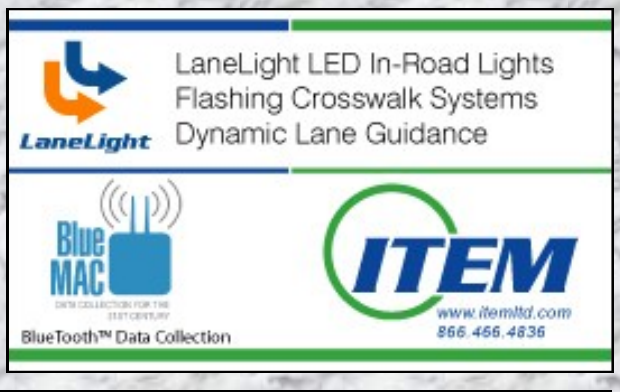
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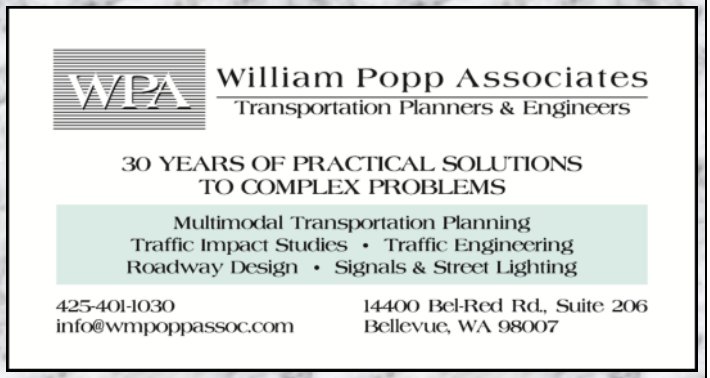
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Scribe Report

By Paul Cho, City of Redmond

May Meeting (Wednesday, 5/9/2012)

Arriving on a sunny evening just under the I-5 Bridge on the north end of Lake Union, Ivar's Salmon House is traditionally the host for the annual Student Night Competition. This year, 3 teams (two from University of Washington and one from Seattle University) compete for cash prizes by proposing creative solutions for improving pedestrian and bicycle safety.

As the 48 registered members gather for this year's event, students are poised in front of their graphical displays of their proposals to the meet the challenges. This year, the challenge is to provide a conceptual design for safety and mobility improvements that considers all modes of operation (motor vehicles, transit, bicyclists and pedestrians) with the given existing conditions of Dexter Avenue/7th Avenue from John Street to Bell Street in downtown Seattle.

The buffet tables of Alder Grilled Sockeye Salmon, Chicken Parmesan, Vegetable Lasagna, Four Cheese Ravioli accompanied by Ivar's world famous clam chowder was soon opened with members in line eager to get situated at their tables in anticipation of this year's presentations. Meagan Powers (DKS) opened the microphone by introducing this year's project challenges and inviting the first team to begin their presentation.

Eric Knigge and Carmen Kwan (UW) led the evening by presenting the problem, descriptions, recommendations, costs and summary of their project. Following, the team of Yi Gu and Walker Cheng (UW) described their solutions to the challenges. And finally, Ian Pumo and Evan Niimoto (SU) shared their proposals to the members. The groups proved they researched the problems and spent a great deal of time and effort putting together graphics to convey their recommendations along with having to field some tough questions from the members.

After the presentations, the members were asked to vote on the three teams. Meanwhile, section president, Kevin Chang, introduced life members, Dan Dawson (Otak) and Tom Noguchi (Fehr and Peers). Mr. Chang then invited student advisors Yinhai Wang (UW) and Phillip Thompson (SU) to provide us with some updates from campus. Both conveyed gratitude to ITE for the opportunities to interact with Transportation Professionals and the ability to work on real world problems as it is truly an investment into the future of Transportation.

Pictured from left to right: Katherine Casseday, Tom Noguchi (Fehr and Peers), Dan Dawson (Otak), Dongho Chang, Kevin Chang, and Jim Ellison.

Mr. Chang then introduced candidates for next year's Secretary Position, Carter

(Continued on page 8)

(Continued from page 7)

Danne and Scott Lee, to share their visions for the Washington Section of ITE as well as asking them specifically how to provide additional venues outside of our standard meetings for growth and benefit of its members.

The final standings and prizes for the competition were:

1. Yi Gu and Walker Cheng (UW) with a $500 cash prize
2. Ian Pumo and Evan Niimoto (SU) with a $300 cash prize
3. Eric Knigge and Carmen Kwan (UW) with a $200 cash prize

In addition, the ITE graduate scholarship of $2000 was awarded to Cathy Liu (UW).

Pictured from left to right: Meagan Powers, Kevin Chang, Jane Vandenberg, Cathy Liu (UW), Yi Gu (UW), Walker Cheng (UW), Carmen Kwan (UW), Eric Knigge (UW), and Runze Yu (UW).

2012-2013 Officer Elections - Going On Now!

Greetings, members! Please take this as a reminder to vote in the current election of Washington State Section ITE officers for our Section. We are again voting on the web using BallotBin website. The polls are open until midnight Sunday June 10th – giving you enough time to cast your vote. Candidates for Secretary include Carter Danne, PE, PTOE and Scott Lee, PE. A candidate statement for each was included in the May newsletter and is incorporated into the ballot, for your consideration. Please check your email inbox for the ballot announcement and reminders. If you have any questions, please connect with Katherine Casseday, Past President, at (206) 450-8758 and kcasseday@yahoo.com . Make your vote count!!

Safety Corner: Summer Refresher

By Gary Norris, ITE Washington State Section Safety Committee Co-Chair

As I was driving around during the last week I happened to observe several crashes, individuals talking on the telephone while driving at excessive speeds, ladies putting on their makeup or men shaving while driving, and pedestrians darting between cars 50 feet from a protected crosswalk. As summer approaches my mind reflected back to the "Top Ten" strategies for improving road safety and want to again encourage ITE Washington members during the summer months to pursue them professionally and personally. They include:

1) Adopt a safety culture;

2) Reduce speeding;

3) Eliminate impaired driving;

4) Increase restraint use;

5) Build safer vehicles

6) Curtail distracted driving;

7) Increase young drivers safety;

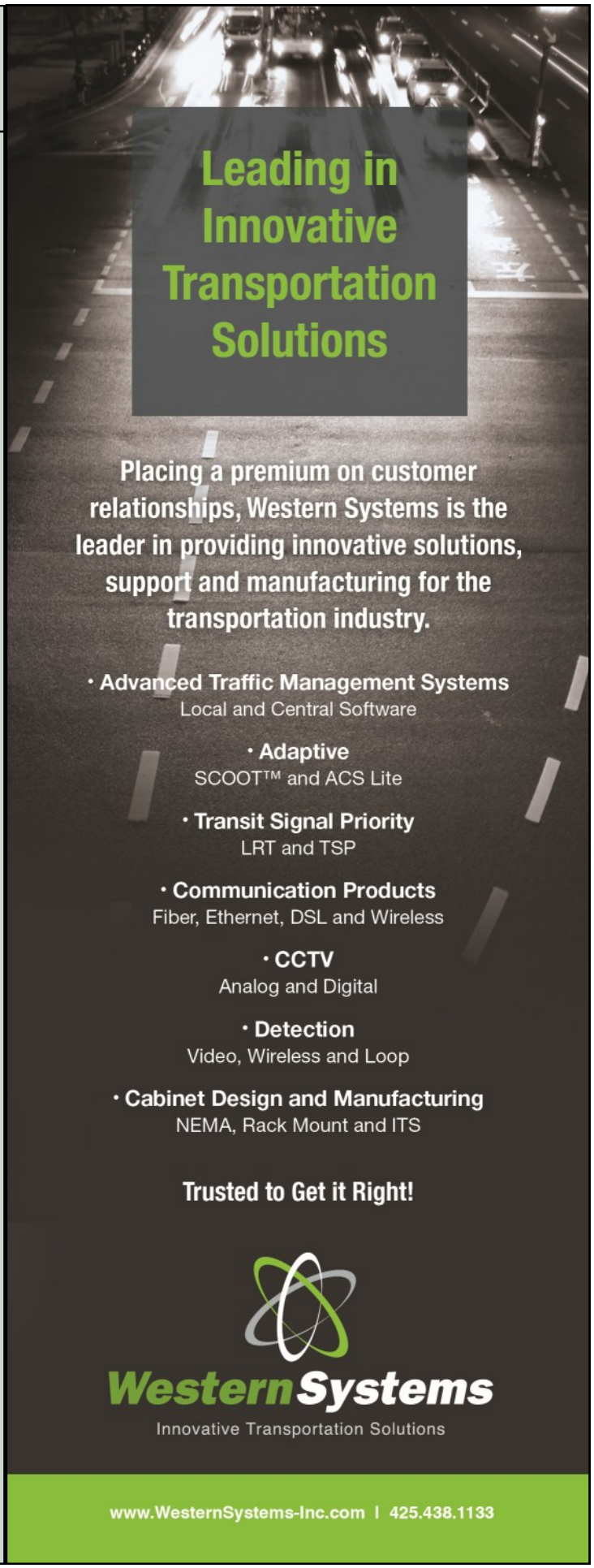
8) Implement low cost engineering improvements;

9) Improve pedestrian safety; and

10) Build a comprehensive, integrated safety data system.

To the extent you can impact anyone of the "Top Ten", during the summer months, please do so. Please have a safe and enjoyable summer.

Top Ten Source: Hugh McGee, VHB



"The Campus Corner"

By Meagan Powers and Jane Vandenberg

Annual Student Night Wrap Up

Thanks to all who attended the annual ITE Student Night at Ivar's Salmon House. We had three teams competing for the best student presentation and the opportunity to win prizes ranging from $200-$500. There were two teams from the University of Washington and one team from Seattle University. The project was located on Dexter Avenue/7th Avenue from John Street to Bell Street in downtown Seattle. All three teams did an excellent job putting together poster boards and presenting their conceptual designs to the transportation engineering professionals in attendance.

Yi Gu and Walker Cheng (University of Washington) won first place, Ian Pumo and Evan Niimoto (Seattle University) won second place and Eric Knigge and Carmen Kwan (University of Washington) won third place in the competition.

A special thanks to All Traffic Data for donating $1000.00 to the cash prizes awarded to the students. Thanks also to A. J. Verdugo and the City of Seattle for providing a great project for this year's competition.

Scholarship Award

The scholarship for Outstanding Graduate Student in Transportation Engineering was also awarded at Student Night. The graduate scholarship in the amount of $2000 was awarded to Cathy Liu, University of Washington Graduate Student and President of the UW Student Chapter of ITE. Congratulations Cathy!

In addition to that, Cathy Liu's paper "An Analytical Framework for Managed Lane Facility Performance Evaluation," was selected as the winning paper for the Western ITE District Student Paper Award this year. Cathy will be presenting her paper at the upcoming Western ITE Annual Meeting in Santa Barbara, later this month. The legendary Traffic Hero game, co-designed by Yegor Malinovskiy and Runze Yu, has been selected to facilitate the Western ITE Student Endowment Fund in the upcoming Western ITE Annual Meeting as well. An article about the game, written by Cathy Liu, was recently featured on the Western ITE website: http://westernite.org/

Student Activities Committee Co-Chairs:
Meagan Powers, DKS Associates – (206)382-9800 or mcp@dksassociates.com
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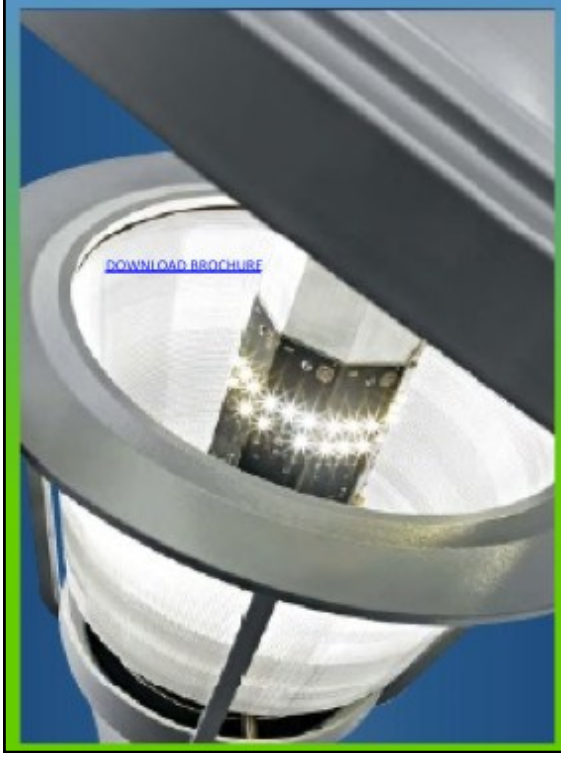

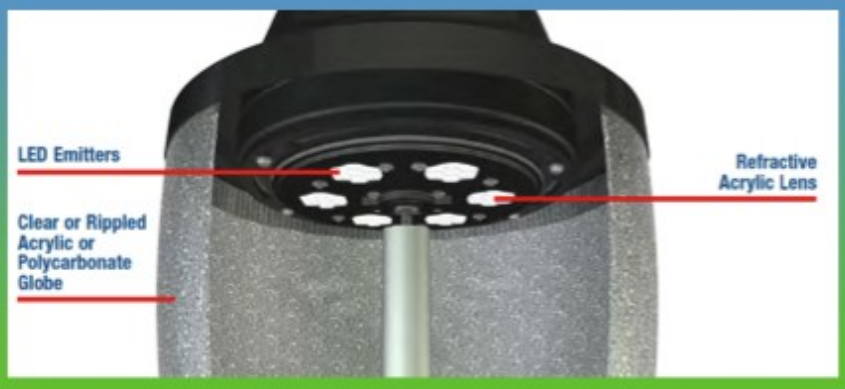

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Featured Technical Articles

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FHWA Issues Revisions to 2009 MUTCD by James W. Ellison, PE

On May 14, 2012, the FHWA published final rules to revise the MUTCD provisions on engineering judgment and compliance dates. The 2009 MUTCD with Revisions 1 and 2 incorporated is now available.

- **2009 MUTCD Revision 1 – Engineering Judgment**
- **2009 MUTCD Revision 2 – Compliance Dates**

The revisions take effect on June 13, 2012.

Revision 1 (Engineering Judgment) changes:
http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/mutcd2009r1pages.pdf
Revision 1 adds language back into MUTCD Section 1A.09 that was in the 2003 edition but removed for the 2009 edition. This is a new guidance statement that reads:

> *The decision to use a particular device at a particular location should be made on the basis of either an engineering study or the application of engineering judgment. Thus, while this Manual provides Standards, Guidance, and Options for design and application of traffic control devices, this Manual should not be considered a substitute for engineering judgment. Engineering judgment should be exercised in the selection and application of traffic control devices, as well as in the location and design of the roads and streets that the devices complement.*

Revision 1 also removes the following language from Section 1A.13:

> *Standard statements shall not be modified or compromised based on engineering judgment or engineering study.*

Revision 2 (Compliance Dates and Historic Street Name Signs) changes:
http://mutcd.fhwa.dot.gov/pdfs/2009r1r2/mutcd2009r2pages.pdf
The introduction section of the 2009 MUTCD has a list of 58 target compliance dates. These are dates by which local and state agencies are required to replace certain existing traffic control devices that do not meet the 2009 MUTCD. Some are dates for new requirements and others are dates transferred from the 2000 and 2003 MUTCD editions. Revision 2 removes 46 of these dates, extends four dates into the future, and keeps eight dates the same. As a result, 12 dates remain, as shown in revised Table I -2. When there is no target compliance date for an existing traffic control device, the following statement on page I-3 applies:

> *Unless a particular device is no longer serviceable, non-compliant devices on existing highways and bikeways shall be brought into compliance with the current edition of the National MUTCD as part of the systematic upgrading of substandard traffic control devices (and installation of new required traffic control devices) required pursuant to the Highway Safety Program, 23 U.S.C. (United States Code) 402(a).*

Revision 2 also revises Section 2D.43 to allow the use of historic street name signs on low speed roadways when the criteria in 36 CFR 60.4 are met.

(Continued on page 13)

Follow-up to April Meeting MUTCD Presentation by James W. Ellison, PE

Even though the presentation at the April ITE-WA meeting in Edmonds provided quite a bit of information on many changes brought forth by the 2009 MUTCD, time did not allow for all of the new items in the Manual to be covered. A copy of Jim Ellison's presentation is available on the ITE-WA website, and Jim has recently provided a copy of an additional Powerpoint presentation that covers many of the changes in the design and operation of traffic signals. That presentation will also be posted on the website in the next few days.

Of course, Revisions 1 and 2 to the 2009 MUTCD have been issued by the FHWA since our April meeting, and will go into effect on June 13, 2012.

(Continued from page 12)

Table I-2. Target Compliance Dates Established by the FHWA

Rev. 2

2009 MUTCD Section Number(s)	2009 MUTCD Section Title	Specific Provision	Compliance Date
2A.08	Maintaining Minimum Retroreflectivity	Implementation and continued use of an assessment or management method that is designed to maintain regulatory and warning sign retroreflectivity at or above the established minimum levels (see Paragraph 2)	2 years from the effective date of this revision of the 2009 MUTCD*
2A.19	Lateral Offset	Crashworthiness of sign supports on roads with posted speed limit of 50 mph or higher (see Paragraph 2)	January 17, 2013 (date established in the 2000 MUTCD)
2B.40	ONE WAY Signs (R6-1, R6-2)	New requirements in the 2009 MUTCD for the number and locations of ONE WAY signs (see Paragraphs 4, 9, and 10)	December 31, 2019
2C.06 through 2C.14	Horizontal Alignment Warning Signs	Revised requirements in the 2009 MUTCD regarding the use of various horizontal alignment signs (see Table 2C-5)	December 31, 2019
2E.31, 2E.33, and 2E.36	Plaques for Left-Hand Exits	New requirement in the 2009 MUTCD to use E1-5aP and E1-5bP plaques for left-hand exits	December 31, 2014
4D.26	Yellow Change and Red Clearance Intervals	New requirement in the 2009 MUTCD that durations of yellow change and red clearance intervals shall be determined using engineering practices (see Paragraphs 3 and 6)	5 years from the effective date of this revision of the 2009 MUTCD, or when timing adjustments are made to the individual intersection and/or corridor, whichever occurs first
4E.06	Pedestrian Intervals and Signal Phases	New requirement in the 2009 MUTCD that the pedestrian change interval shall not extend into the red clearance interval and shall be followed by a buffer interval of at least 3 seconds (see Paragraph 4)	5 years from the effective date of this revision of the 2009 MUTCD, or when timing adjustments are made to the individual intersection and/or corridor, whichever occurs first
6D.03**	Worker Safety Considerations	New requirement in the 2009 MUTCD that all workers within the right-of-way shall wear high-visibility apparel (see Paragraphs 4, 6, and 7)	December 31, 2011
6E.02**	High-Visibility Safety Apparel	New requirement in the 2009 MUTCD that all flaggers within the right-of-way shall wear high-visibility apparel	December 31, 2011
7D.04**	Uniform of Adult Crossing Guards	New requirement in the 2009 MUTCD for high-visibility apparel for adult crossing guards	December 31, 2011
8B.03, 8B.04	Grade Crossing (Crossbuck) Signs and Supports	Retroreflective strip on Crossbuck sign and support (see Paragraph 7 in Section 8B.03 and Paragraphs 15 and 18 in Section 8B.04)	December 31, 2019
8B.04	Crossbuck Assemblies with YIELD or STOP Signs at Passive Grade Crossings	New requirement in the 2009 MUTCD for the use of STOP or YIELD signs with Crossbuck signs at passive grade crossings	December 31, 2019

* Types of signs other than regulatory or warning are to be added to an agency's management or assessment method as resources allow.

** MUTCD requirement is a result of a legislative mandate.

Note: All compliance dates that were previously published in Table I-2 of the 2009 MUTCD and that do not appear in this revised table have been eliminated.

May 2012

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http://www.westernite.org/Sections/washington/index.htm

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To submit your ad, please send a jpg, png, or tif file of the desired ad to Dongho Chang at dongho.chang@seattle.gov

Place your ad in the following sizes:

Business card ad for $100
Full page ad for $1000
1/2 page ad for $500
1/4 page ad for $250

Also send a check for the ad size you desire (ad will run from January 2012 through December 2012) to:

Dongho Chang
City of Seattle
700 Fifth Avenue
P.O. Box 34996
Seattle, WA 98124

Call 206.684.5106 for further questions.