WASHINGTON STATE SECTION / INSTITUTE OF TRANSPORTATION ENGINEERS

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

ITE WASHINGTON

Letter from the President

WHAT'S ON *YOUR* LIST TODAY?

Thanks to Fred Meyer for an evergreen marketing phrase! So, what ***is*** on your list? You know what I mean, that list of things to do. No matter whether you are leading the traffic or parking field work or heading the department, there's always a list. I know my own list ranges from big to small and there's always a "Find out more about …" type of an item on the list. It could be more information about bus detection at signals or durable pavement markings or new traffic and streetscape uses for LEDs. Well, for what's on your list (today), come to the **ITE/IMSA Joint Meeting and Vendor Fair on Monday February 14, 2011** to hear technical presentations and tour the vendor displays.

Katherine Casseday
WA Section President

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This Month: Joint ITE/IMSA Meeting & Vendor Exhibition

Please refer to the 2-page flyer on pages 3 and 4 for information on this month's joint meeting with the International Municipal Signal Association (IMSA) and vendor exhibit. It is bound to be a great event, don't miss it!

SAVE THE DATE!

Upcoming Washington State Section ITE Activities:

- March 8, 2011 luncheon program
- April 18-19, 2011 QUAD Section Meeting & Conference
- May 10, 2011 Student Night
- June 13, 2011 Annual Meeting (Luncheon Only)
- June 14, 2011 23rd Annual ITE Golf Classic

(Continued from page 1)

Yes, I know there's all that information on the web and more – yet, I still learn best with face to face contact and with a direct question or need in hand. We continue this awesome tradition of a joint meeting with the International Municipal Signal Association Northwest section in Washington with a focus on training, equipment, technical applications and our combined dedication of service to public mobility and safety. We also welcome and invite ITS Washington members to attend and join the activities. There will be a Board Meeting for ITS Washington at the joint event.

ITE Washington News:

I have the pleasure to announce that three of our members have earned the status of Life Member: Bill Guenzler, Ron Loewen, PE and Gerry Willhelm, PE, PTOE. This honor reflects a long-term commitment to the Institute of Transportation Engineers and dedication to the field of transportation. The Institute and our Section esteem the longtime membership of these individuals. Join me in recognizing these three Life Members!!

Our March luncheon meeting, March 8th, will highlight upcoming tolling for the SR 520 bridge. WSDOT will begin tolling SR 520 this spring.

I want to remind you to submit your abstract for a presentation or panel at the ITE Quad Section Meeting, April 18-19, 2011. Deadline for submittals is February 22nd. We'd like to know what you would like to hear at the conference – so send us your ideas and suggestions. Perhaps there's a topic of interest from the other Sections? Let's work to make the conference a success with compelling technical presentations. Jamal Mahmoud, Caroline Brabrook and Jim Ellison are anxious to receive and review your abstract!

Keep in touch and drop us a line to let us know what you're thinking. Just remember ITEWAxxx@gmail.com and replace xxx with president, treasurer, register and webmaster for the four roles.

itewapresident@gmail.com will reach me, Katherine Casseday
itewatreasurer@gmail.com will reach Kevin Chang, VP/Treasurer
itewaregister@gmail.com will reach Carla Nasr, Hospitality Chair
itewawebmaster@gmail.com will reach Rory Cameron, Webmaster.

Soooooo, back to that list … Be sure to attend the ITE/IMSA Joint meeting, get your questions answered, learn about new products and applications, and check them off your list!! I'll see you there.

Happy and Safe Trails!

Katherine Casseday
President, ITE Washington Section
itewapresident@gmail.com

Washington ITE Focus for 2010-2011:

- Safer Roads
- Sustainable Projects
- Accommodation & Accessibility for All

ITE/IMSA ANNUAL JOINT MEETING AND VENDOR EXHIBITION

MONDAY, FEBRUARY 14, 2011

Location: **DOUBLETREE HOTEL**
18740 Pacific Highway South
Seattle, WA 98188

Times:
Vendor Display 8:30 a.m. - 4:00 p.m.
Technical Programs 8:30 a.m. - 2:00 p.m.
Lunch and Prize Raffle 11:30 a.m. - 1:00 p.m.
Vendor Seminars 2:00 p.m. - 4:00 p.m.

Menu: Ginger Seared Sesame Salmon with Lemon Riviera.
Vegetarian option available upon request.

Cost: **Displays, programs and seminars are all FREE.**
Lunch tickets will be $35.00 for ITE, IMSA and ITS Washington members, and guests.

Parking will also be FREE. Bring the parking ticket with you and scan it at the registration desk before you leave for the day.

Reservations for Lunch: Reservations must be made in advance, before noon on **Wednesday, February 9th** by sending an E-Mail to itewaregister@gmail.com. Please clearly state your name, the name of your organization, and that your reservation is for the February meeting. Also note if a vegetarian lunch is desired.

Lodging: We have a small block of hotel rooms reserved for Sunday and Monday night. Please contact the hotel directly to reserve accommodations and ask for the **'ITE'** group rate. The phone number of the hotel is (206) 246-8600.

8:30	**Technical Session 1** Real Time Information on City of Seattle Arterial Streets Moderator: Katherine Casseday, Casseday Consulting Speaker: Adiam Emery, Seattle DOT Speaker: Ken Buchanan, Seattle DOT
9:30	**Technical Session 2** Compliance Challenges to MUTCD Changes to Street Name Signs Moderator: Kevin Chang, King County Speaker: Mike Steen, City of Richland
10:30	**Technical Session 3** Smarter Highways Moderator: Brian Chandler, SAIC Speaker: Mark Leth, WSDOT Speaker: Morgan Balogh, WSDOT
1:00	**Technical Session 4** Adaptive Signal Control – The State of the Art Moderator: Nate Larson, URS Corporation Speaker: Mike Taylor, Western Systems

ITE/IMSA ANNUAL JOINT MEETING AND VENDOR EXHIBITION

MONDAY, FEBRUARY 14, 2011

Please Note!!! . The Technical Sessions will begin at 8:30 am.
Vendor Display: This one-day vendor exhibition has grown to become the premier trade show in the North-west and a favorite of the vendors for traffic and transportation related products.

This is an excellent opportunity for traffic and transportation professionals, and signal & sign technicians to come and see "what's new" in the industry, to meet with the manufacturer's representatives, and to share ideas with others in this vast and ever changing field. We anticipate a large attendance with more than 200 profes-sionals and over 35 different vendors at this year's exhibition.

Vendors that will be represented this year include:

- ◊ Advanced Traffic Products
- ◊ All Traffic Data
- ◊ 3M
- ◊ Advanced Traffic Products
- ◊ Campbell Company
- ◊ Cascade Signal Corporation
- ◊ Coral Sales Company
- ◊ Econolite Control Products
- ◊ Electrical Representatives West
- ◊ Holophane Lighting
- ◊ Image Sensing Systems, Inc.
- ◊ Kar-Gor, Inc.
- ◊ Lighting Group Northwest
- ◊ Northwest Technology Group, Inc.
- ◊ McCain, Inc.
- ◊ Naztec, Inc.
- ◊ NorPac Enterprises
- ◊ Northwest Signal Supply, Inc.
- ◊ Pacific Signal Supply, LLC
- ◊ Patriot Sales, Inc.
- ◊ Reno A&E
- ◊ RuggedCom
- ◊ SeaTac Lighting & Controls, LLC
- ◊ Skyline Products
- ◊ Spot Devices, INc.
- ◊ Traffic Safety Supply Company
- ◊ Quality Counts, LLC
- ◊ URS Electronics
- ◊ Valmont Industries
- ◊ Western Systems
- ◊ Zumar Industries
- ◊ And many more!!

Hope to see you there!

For current information, go to the ITE Washington Section Events page:

www.westernite.org/Sections/washington/events/events.html

The World Goes Wireless

Wireless Sensor Networks — Transforming Transportation

Managing mobility in the 21st century requires a symphony of intelligent transportation systems—all working in accord. Yet worldwide, many roadway agencies still rely on outmoded, and disparate technologies—providing only a narrow view of the big picture—while leaving long-term planning to conjecture.

Until now.

With over 50,000 sensors deployed worldwide, **Sensys Networks VDS240** infrastructure-based wireless detection solutions are rapidly replacing costly, maintenance-intensive inductive loop systems, and enabling traffic engineers to install detection precisely where needed—*at a fraction of the cost.*

Our compact, rugged, wireless sensors—with an unprecedented 10-year battery life—install in minutes, deploy in hours, and consistently outperform all other detection technologies in the world's most adverse weather and pavement conditions.

With accurate, dependable, real-time data, **freeway**, **arterial**, and **intersection** optimization just got easier. From a single intersection—to an entire city, our flexible, highly scalable universal platform supports all traffic detection applications—with one set of equipment.

Efficient. Effective. Future Proof.

Are you getting the most out of your transportation infrastructure? Find out how Sensys Networks' suite of wireless detection solutions can introduce efficiencies, streamline operations, and save your agency money.

Join the future. Go wireless.

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t +1 (510) 548-4620
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info@sensysnetworks.com
www.sensysnetworks.com

Featured Technical Article

Do you have an interesting technical topic, idea, or project to share? If you do, the Technical Report Committee wants to hear from you! Please contact Dongho Chang at <DChang@ci.everett.wa.us> for more information.

Electric Vehicle Information for Transportation Engineers

By Cathy Beam, AICP, City of Redmond

Second Substitute House Bill 1481 (2SHB 1481) passed during the 2009 State Legislature session, addresses electric vehicle infrastructure including structures, machinery, and equipment necessary and integral to support an electric vehicle, including battery charging stations, rapid charging stations, and battery exchange stations. The purpose of the bill is to encourage the transition to electric vehicle use and to expedite the establishment of a convenient, cost-effective, electric vehicle infrastructure that such transition necessitates. The bill requires the development regulations of certain municipalities in the central Puget Sound area allow electric vehicle infrastructure as a use in all areas except those zoned for residential, resource, or critical areas by July 1, 2010. An additional requirement under Section 7 (codified RCW 43.19.648) is that by June 2015 local governments must satisfy one hundred percent of their fuel usage for operating public owned vessels, vehicles, and construction equipment from electricity or biofuel to the extent determined practicable by rules adopted by the Department of Commerce. Note that Commerce has not yet initiated this rulemaking.

The Puget Sound Regional Council and State Department of Commerce have jointly convened a Technical Advisory Committee for this Electric Vehicle Infrastructure Project to perform electric vehicle research and develop a model ordinance.

The City of Redmond is participating in two separate national funding projects regarding electric vehicle infrastructure deployment. The first is the eTec project which is being coordinated regionally by King County and will be selecting locations for electric vehicle charging stations. This project, allocated $99.8 million in federal funds, is deploying electric vehicle infrastructure in five regions of the US and is the largest transportation electrification project in the country's history. Three or four stations have been allocated for Redmond. The second is the ChargePoint/Coulomb project which includes deployment of electric vehicle infrastructure in nine regions of the US.

Redmond has been awarded four Coulomb Technologies, Inc. electric vehicle charging stations under the ChargePoint America Program. The $37 million Program has been funded in part under a grant from the United States Department of Energy as part of the American Reinvestment and Recovery Act. This Program will deploy approximately 5,000 Level II charging stations throughout nine regions in the US to begin building a national infrastructure to facilitate a rapid increase in the use of electric vehicles. Level II charging stations have a charge time of four to six hours at 220-240 volts.

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The City is one of the first in the region to offer use of these public electric vehicle charging stations. Two stations are located at City Hall (15760 NE 85th Street) and two are located at the City's Maintenance and Operations Center (18080 NE 76th Street).

Electric vehicle charging station near City Hall. (Redmond, Washington)

All four charging stations are wirelessly connected to the national ChargePoint Network. Users have access through a driver portal via ChargePoint Applications which can be downloaded onto any mobile device. Drivers can search for ChargePoint along travel maps, request charging stations, schedule charging stations, view and generate reports on their charging history, and sign up for E-mail notification alerts.

A nominal user fee will be charged to users of the charging stations. This can be done through payment via a Key FOB, Credit Card, Paypass or 1-800 number.

INSTITUTE OF TRANSPORTATION ENGINEERS

2011 QUAD CONFERENCE CALL FOR PAPERS

Deadline : February 22, 2011

The Institute of Transportation Engineers invites you to submit a paper abstract to be considered for presentation at the 2011 ITE Quad Conference, hosted by the Washington State Section.

JOIN US AT THIS YEAR'S QUAD CONFERENCE TO LEARN FROM YOUR PACIFIC NORTHWEST TRANSPORTATION COMMUNITY! THIS IS A GREAT OPPORTUNITY TO SHARE YOUR PROJECTS, PROGRAM SUCCESSES, AND INNOVATIVE APPROACHES.

The 2011 conference will be held on April 18th and 19th at the Embassy Suites in Lynnwood, Washington. We have planned an exciting two-day program that will feature a wide array of presentations and networking events. An optional tour of Boeing's "Future of Flight" Museum is scheduled for Tuesday afternoon. Rooms are available for out-of-town attendees.

"On behalf of the Washington State Section of ITE, I look forward to meeting with you as we engage in an exciting dialogue and learn more about the best that this area has to offer for all things transportation."

Katherine Casseday

President, ITE-WA Section

SUGGESTED TOPICS

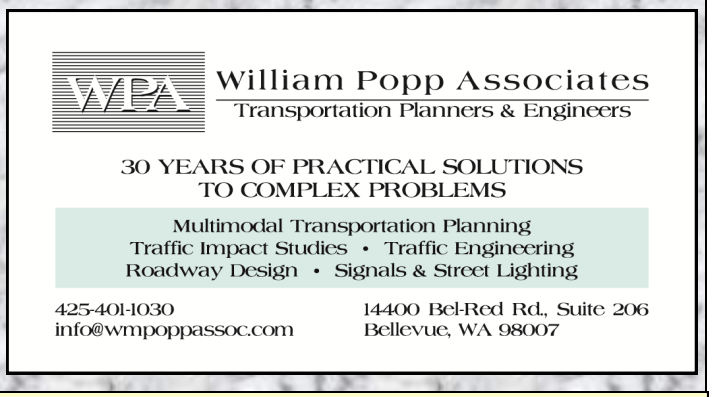
- Accessible Design and Active Living
- Low-Cost Safety Measures
- Pedestrian / Bicycle Safety
- ITS Planning & Design
- GIS Applications
- Signal Operations
- Sustainable Communities
- Rural Road Safety
- Intermodal Planning
- Complete Streets
- Safe Routes to Schools
- 2009 MUTCD–What's New
- Transit and Light Rail
- … and many others!!

To submit an abstract, please send a Word document to <**jamal.mahmoud@kingcounty.gov**>.

Abstracts must be limited to **250** words.

ITE – Washington State Section

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



Advertising (Business Cards & Larger)

To submit your ad, please send a jpg, png, or tif file of the desired ad to Jim Ellison at jim@jameswellison.com

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 2011 through December 2011) to:

Jim Ellison
Consulting Traffic Engineer
1600-B SW Dash Point Rd, #33
Federal Way, WA 98023

Call 253.666.2377 for further questions.

"The Campus Corner"

By Meagan Powers and Scott Lee

Congratulations to the UW ITE Student Chapter for being awarded a Data Collection Grant from ITE District 6! UW was awarded a $1000 grant for their proposal on data collection at a grocery store with a gas station and convenience. The data collected by the student chapter will be compiled into a format that will be used to update the ITE Trip Generation handbook.

There are a couple of opportunities for students this spring including scholarships for undergraduate and graduate students and the Student Night competition in May.

The Washington Section student scholarships applications are now posted on the ITE website. Students are encouraged to download the application form from our website (www.westernite.org/Sections/washington) and submit it by 5:00 PM April 8, 2011. If you know a student who you think would be a good candidate, we encourage you to let them know about this opportunity. Two scholarships will be awarded this year, one for undergraduate students in the amount of $1,500 and one for graduate students in the amount of $2,000. Scholarships are open to all students pursuing a career in transportation engineering or planning.

Please mark your calendars to attend the Student Night Competition on Tuesday, May 10th. If you or your agency has a safety study, preliminary corridor study, or concept plan from a larger project that you think would be applicable for the student night competition, please contact the student activity committee.

Student Activities Committee Co-Chairs:

Meagan Powers, DKS Associates – (206)382-9800 or mcp@dksassociates.com

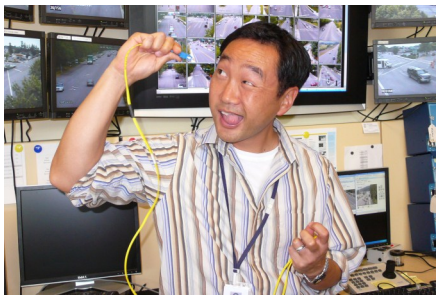
Scott Lee, Transpo Group – (425)821-3665 or scott.lee@transpogroup.com

Scribe Report

By Paul Cho, City of Redmond

January Luncheon Meeting (1/11/11)

Arriving at this month's ITE luncheon meeting was especially challenging. We try diligently to keep our speeds in check, but maintaining a constant speed of 15 miles per hour is no easy task. But that was the (non-MUTCD compliant) speed limit posting of the driveway leading up to the Nile Golf and Country Club. Still, if you managed to idle your way passed several holes and those teeing off, you were rewarded with a meeting room with a picturesque view of the front nine and hot coffee and tea while you prepared to take in this month's topic, Transportation Services at the University of Washington, presented by Joshua Kavanagh (Director of Transportation Services at the University of Washington.)



Members enjoyed a buffet lunch consisting of Caesar Salad, Grilled Chicken, Penne Pasta Alfredo, Rolls and a variety of (still warm) cookies before the formal part of the meeting began. Kevin Chang began the meeting by asking those in attendance for self introductions to afford Mr. Kavanagh an idea of the room's compilation. Following, Mr. Kavanagh introduced Celeste Gilman (Transportation Systems Manager with the UW) riding shotgun during the presentation to answer any technical questions.

With roughly 65,000 students, faculty and visitors daily, only 8270 trips are allowed to campus in the morning and 9782 trips allowed away from campus in the afternoon. These surprisingly specific figures were part of an agreement with the City of Seattle set in 1983. Furthermore, only 12,000 parking stalls are available on campus so a very creative solution was formulated to meet the constraints of commute reduction laws, reduction in environmental impacts and yet still meet the needs of the users.

The U-PASS program started in 1991 as primarily a transit pass with discounted parking for carpoolers. Additional benefits included merchant discounts as well as free night rides from buildings to bus stops which increased safety over walking to parking areas. Through the years, as the campus population grew, the campus daily trip generation declined.

However, the program faced a difficult challenge. As with many programs, the U-PASS had been hit very hard during the economic down turn. With Institutional funding staying the same and parking fee recovery unable to pace the growth, users began paying higher fees to participate. In its current form which allows for opting out of the program, many found the cost surpassed the benefits. After 17 years of success, participation began to decline. The funding burden grew unbearable even for regular users.

With the U-PASS in jeopardy, the program sought help by taking the message beyond the University. However, this yielded very little fruit. In the end, it was the students that rallied behind the U-PASS. A survey of the campus revealed that the U-PASS was an integral part of the University experience and that "opting out" should no longer be an option. In addition, the U-PASS is slated to migrate to ORCA in September of this year to leverage its large number of participants to further stabilize participation in regional transit service.

Mr. Kavanagh concluded his presentation and with the help of Ms. Gilman, fielded a number of questions from the members. A copy of the presentation would be made available on the ITE Washington Section's website.

Section President, Katherine Casseday thanked the speakers and invited announcements for upcoming events.

Washington State Legislative Update

Prepared by Jeff Kinney, Parametrix

The current Washington State legislative session began on January 10 and over 20 transportation proposals have been introduced to-date. They target a range of issues fitting the broader categories of safety, planning, design, operations, and funding. All but 3 of the bills are still in committee, and 9 of those have made it on agendas for public hearings. Some will likely be tabled during the next two weeks while others pass from committees back to the House and Senate for consideration. The cutoff date for bills to pass from Transportation committees is February 25.

The obvious hot issue this year is red-light cameras, with about 7 different proposals aiming to regulate their operation, or even eliminate their use altogether. *HB 1098* would require local voter approval, place limits on the number of cameras per jurisdiction, and require a minimum yellow phase consistent with MUTCD guidance "plus one second." *HB 1099* is similar to 1098, but specifies use of the ITE methodology and 85th percentile speeds for determining yellow phase durations. *HB 1279* and *SB 5301* would require engineering analysis of all proposed camera locations and ongoing accident reporting annually. Both also cite the MUTCD for minimum yellow phases, expand the use of cameras for speed violations, and restrict their use for right-turn violations. *HB 1590* would require voter-approved local ordinances and limit use of red-light cameras to locations where the yellow phase is a minimum of 4 seconds. Least restrictive, *SB 5188*, would require yellow phase durations consistent with MUTCD guidance and prohibit reduction of the yellow phase after camera installation. Finally, the most restrictive proposals that would eliminate red-light cameras statewide are *HB 1823* and *SB 5716*.

Two other safety related bills focus on bicyclists and vulnerable users. *HB 1018* and *SB 5193* would clarify mutual responsibilities for motorists and bicyclists. *SB 5326* passed the Judiciary committee on February 7 and would increase negligent driving penalties for motorists who hit vulnerable users.

A few planning and design proposals should interest ITE members. *HB 1071*, which passed the committee on January 27, would establish a grant program to encourage local adoption of complete streets ordinances and would require WSDOT to consult with jurisdictions while planning any work affecting city streets. A related bill, *HB 1700* would set a similar coordination requirement for WSDOT and establish context sensitive design requirements based on the ITE recommended practice. A third proposal on the theme of multimodal planning and coordination, *HB 1747* and companion *SB 5128*, would define new requirements for the statewide transportation plan to encourage coordination across jurisdictions and modes. It would also define state policy objectives for transportation planning. Lastly, HB 1171 and SB 5205 would limit the required planning process and expert review panel for HCT systems to only those that include a fixed rail guideway, exempting BRT from the requirement.

There are two bills affecting operations policy. *HB 1217* was passed by the House on February 7 and would authorize municipalities to lower speed limits to 20 miles per hour on "non-arterial highways" in business or residence districts without an engineering investigation. Jurisdictions would be required to adopt procedures before making reductions. A second interesting bill, *HB 1501*, would eliminate the state requirement to reduce vehicle miles traveled per-capita.

Finally, a topic on everybody's mind is funding. There are currently 8 proposals on tolling, grants, and other measures, as well as funding for the next biennium. There is sure to be more to come on this, so the following is a rundown of bills that have been introduced:

- *HB 1175*, and *SB 5176* are the appropriations bills for the 2011-2013 biennium.
- *HB 1382* and *SB 5490* would authorize HOT lanes on I-405, require a traffic and revenue study on the corridor, and a plan for phasing improvements on I-405 and SR 167.
- *HB 1887* and *SB 5700* would approve the transportation commission's toll schedule for SR 520; and *SB 5416* would limit the use of toll revenue for highway purposes on the facility where the toll is collected.
- *HB 1536* would authorize transit agencies to set a temporary $30 congestion reduction charge on vehicle registrations.
- *HB 1352* and *SB 5698* would provide funding to the ferry system through narrowing of sales and use tax exceptions.
- *HB 1882* and *SB 5541* would reimburse universities for commute trip reduction programs using parking tax refunds.
- *HB 1897* would require WSDOT to establish a rural mobility grant program and establish an account for the program.

For more information about these bills, click on the individual links to see the history and text of each one on the Washington State Legislature website, or view the transportation listing for a summary of current proposals and links to related legislation.

WA Section Board

President

Katherine Casseday
Casseday Consulting
9726 NE 138th Place
Kirkland, WA 98034-1808
206.450.8758
itewapresident@gmail.com

Vice President/ Treasurer

Kevin Chang
King County
201 S Jackson St
Mailstop KSC-TR-0222
Seattle, WA 98104
206.263.6131
206.296.0176 Fax
itewatreasurer@gmail.com

Secretary

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

Past President

James Bloodgood
Snohomish County
3000 Rockefeller Avenue
M/S 607
Everett, WA 98201
425.388.6419
jim.bloodgood@co.snohomish.wa.us

Newsletter Contact Info

If you have any changes in your contact information, please let us know so you continue to receive monthly ITE e-mail announcements and newsletters. To update your information, click on the "Membership" link on the Washington State Section ITE website:

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