



Institute of Transportation Engineers Washington State Section

Annual Report
January 1, 2010 to December 31, 2010



The Washington State Section of ITE is pleased to present our 2010 Annual Report, which summarizes the many activities and accomplishments that our membership achieved over the past year.

It was an exciting year for the Washington State Section, as members participated in dynamic monthly meetings, took advantage of various social and networking opportunities, received monthly newsletters and updates, and engaged in training opportunities with other professional transportation organizations.

Two particular areas of emphasis were in providing training and technology transfer for our membership, and in supporting our student membership through scholarships and reduced, nominal meeting and conference expenses.

Technical session tracks were presented for the day-long ITE/IMSA and the Washington State Section Annual Meetings, and two specialty training sessions on Accessible Pedestrian Signals and on the Highway Safety Manual were held later in the year and were also particularly well-received by our membership.

In addition to providing student scholarships and conducting the annual Student Night competition in May, the Washington State Section was also able to help sponsor the attendance of five students at the International Meeting and Exhibit in Vancouver, BC in August.

Finally, the Washington State Section contributed another \$3,000 to the ITE Western District Student Endowment Fund, bringing Section's total contributions for the 2009-2010 year to a total of \$5,550. The Washington Section was the largest contributor in 2009-2010 of any section or chapter or business in the Western District.

Please visit our website at:

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

Jim Ellison
Secretary, Washington State Section



Table of Contents

Officers	1
Membership	2
Finances	3
Technical Activities - Highlights	5
Other Technical Activities	11
Legislative Activities	13
Section Meetings	14
Student Chapter Activities	21
Awards	26



2010-2011 Washington State Section Officers



Katherine Casseday
President
kcasseday@yahoo.com



Kevin Chang
Vice President
kevin.chang@kingcounty.gov



Jim Ellison
Secretary
jim@jameswellison.com



Jim Bloodgood
Past President
jim.bloodgood@co.snohomish.wa.us

2010-2011 Washington State Section Committees

Annual Meeting
Golf Tournament
Hospitality
ITE / IMSA Meeting

Newsletter
Membership
Programs
Scribe
Social
Student Activities
University Liaison
Webmaster
Traffic Simulation Roundtable
Advisory Board

Bill Love, Jamal Mahmoud
Mark Poch, Terry Gibson
Carla Nasr
Lawrence Guan, Dongho Chang,
Jerry Liu
Carter Danne
Hidemi Tsuru, Jan Ciganik
Edward Koltonowski, Dongho Chang
Paul Cho
Glenn Schwantes
Scott Lee, Meagan Powers
Yinhai Wang
Rory Cameron
Tony Woody, James Colyar
Torsten Lienau



Membership

The Washington State Section dues rate for 2010 was \$20 per member.

Number	Membership Grade
2	Honorary
27	Fellow
	Fellow Life
	Fellow Retired
	Member 10
454	Member
1*	Member Life
	Member Retired
	Associate 10
	Associate
	Associate Life
	Associate Retired
15	Institute Affiliate
	Institute Retired
49	Student Member
548	TOTAL Membership (in National Database)
58	Local Membership only

* some Life Members are currently being processed but were not included for this tabulation.

The Washington State Section continues to experience moderate growth in terms of its membership.



Finances

Does your section have a Federal Employer Identification Number?

Yes No

If Yes, what is the number? **91 - 1357192**

The financial report for the Washington State Section for 2010 is shown on the following page.

In summary, the Washington State Section continues to be in good financial health. Our 2010 financial summary is attached. The Section netted just over \$11,000 last year. Our very successful ITE/IMSA meeting in February, along with the funds received for member dues, helped to cover all of our student expenditures and our slight loss from the Washington State Section annual meeting in June.

Was there a change in the Section Bylaws during this reporting period?

Yes No



Fund Balance at Beginning of Reporting Period (01/01/2010)		\$42,044.41
REVENUES		
Dues	\$9,271.50	
Meetings		
Luncheons	\$12,230.00	
ITE / IMSA	\$25,790.00	
WA State Section	\$10,160.00	
Advertising	\$1,350.00	
Golf Tournament	\$5,970.00	
Corporate Donations	\$1,500.00	
Account Interest	\$24.91	
TOTAL		\$66,296.41
EXPENDITURES		
Meetings		
Luncheons	\$11,777.04	
ITE / IMSA	\$16,369.17	
WA State Section	\$12,846.94	
District / International	\$2,031.75	
Golf Tournament	\$5,263.58	
Student Night Scholarships	\$1,300.00	
Student Travel Support	\$1,000.00	
Student Endowment Fund	\$3,000.00	
WA State Section Recognition	\$984.65	
Simulation Roundtable Subcommittee	\$314.00	
TOTAL		\$54,887.13
Fund Balance at End of Reporting Period (12/31/2010)		\$53,453.69



Technical Activities - Highlights

Monday, February 22, 2010

8:30am to 4:00pm

Doubletree Hotel Seattle Airport; Seatac, WA

ITE/IMSA Annual Meeting

This one-day vendor exhibition has grown to become the premier trade show in the Northwest and a favorite of the vendors for traffic and transportation related products.

This was an excellent opportunity for traffic and transportation professionals, and signal and 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. A large attendance with more than 200 professionals and over 40 different vendors were present at this year’s exhibition. See following pages for a copy of the program.

Monday, June 7, 2010

7:30 am to 5:00pm

Meydenbauer Center, Bellevue, WA

Washington State Section Annual Meeting

The 2010 Annual Meeting for the Washington State Section of ITE was held at downtown Bellevue’s premier conference center. Over 100 members and guests attended.

The Annual Meeting consisted of 36 different presentations in two different conference tracks, and topics ranged included traffic and transportation, transit, engineering and planning, sustainability, and other current and emerging issues. See following pages for a copy of the conference program.

Tuesday, October 26, 2010

8:00 am - 4:00 pm

Everett Station, Everett, WA

Accessible Pedestrian Signals - Training

This workshop provided information and guidance pertaining to the features, design, and installation of accessible pedestrian signals (APS). This full-day workshop was the product of a national research project that developed guidance on APS to optimize safe and independent crossing at signalized intersections by pedestrians who are visually impaired.

The training was limited to 50 participants and proved to be popular and of great interest to the membership.

Workshop overview

Module A: Accessible Pedestrian Signals (APS) and Accessible Public Rights-of-Way

Module B: Travel Needs of Blind/Low Vision Pedestrians: Traffic Signals and Intersection Design

Module C: APS Features

Module D: When to Install APS

Module E: Designing Installations

Module F: Installation, Operation, and Maintenance

Module G: Public Education on APS

Instructors

Janet Barlow, COMS - Accessible Design for the Blind

Daniel Carter, P.E. - University of North Carolina Highway Safety Research Center

Cost

\$50

What did participants receive?

- 6 hours of instruction that can be counted toward Professional Development Hours (PDH)
- 350-page reference book entitled “Accessible Pedestrian Signals: A Guide to Best Practices”
- Refreshments and Lunch

Monday, December 6, 2010

8:30 am to 4:30 pm

Old Redmond Schoolhouse Community Center, Redmond, WA

Highway Safety Manual Workshop

The workshop was conducted by Ida van Schalkwyk, Ph.D., CH2M HILL, and Richard Storm, CH2M HILL. It covered the topic areas of Fundamentals of Safety (including human factors), Crash Modification Factors, Predictive Methods in the HSM, and the Road Safety Management Process. The workshop is described in more detail in the following pages.

The number of attendees was limited to 50 and all spots were quickly reserved. The training proved to be of great interest and use to the membership.

ITE/IMSA ANNUAL JOINT MEETING
AND VENDOR EXHIBITION
MONDAY, FEBRUARY 22, 2010

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: Char-Grilled Salmon with Tiramisu.
Vegetarian option available upon request.

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

*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 17th** by sending an E-Mail to ITERegistration@hotmail.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 'INT' group rate. The phone number of the hotel is (206) 246-8600.

Please Note!!! . The Technical Sessions will begin at 8:30 am.

8:30	<p>Technical Session 1 <u>2009 MUTCD: Washington State Adoption Process and Timeline</u> Moderator: Jerry Liu, Parsons Transportation Group Speaker: Rick Mowlds, WSDOT Speaker: Don Peterson, FHWA Speaker: Jim Ellison, Consulting Traffic Engineer</p>
9:30	<p>Technical Session 2 <u>Durable Lane Marking Evaluation and 2009 MUTCD Reflectivity Requirements</u> Moderator: Dongho Chang, City of Everett Speaker: Ed Lagergren, WSDOT Speaker: Jim Ellison, Consulting Traffic Engineer</p>
10:30	<p>Technical Session 3 <u>AASHTO Standards for Signal Pole Design, 1994 vs. 2001</u> Moderator: Lawrence Guan, Parsons Brinckerhoff Speaker: Mark Rodgers, Northwest Signal Supply</p>
1:00	<p>Technical Session 4 <u>LED State of Technology in Street Lighting Application</u> Moderator: Kevin Chang, King County Speaker: Eric Strandberg, Lighting Design Lab Speaker: Edward Smalley, Seattle City Light</p>

Vendors that will be represented this year include:

- ◇ Advanced Traffic Products
- ◇ Alpine Products, Inc.
- ◇ All Traffic Data Services, Inc.
- ◇ Cascade Signal Corporation
- ◇ Coral Sales Company
- ◇ Econolite Control Products
- ◇ Flint Trading, Inc.
- ◇ Fortel Traffic
- ◇ GarrettCom, Inc.
- ◇ Holophane Lighting
- ◇ Kar-Gor, Inc.
- ◇ Lighting Group Northwest
- ◇ Lumca
- ◇ Northwest Technology Group, Inc.
- ◇ McCain, Inc.
- ◇ Naztec, Inc.
- ◇ Northwest Signal Supply, Inc.
- ◇ Pacific Signal Supply, LLC
- ◇ Transpo Group
- ◇ PTV America, Inc.
- ◇ RuggedCom
- ◇ Safetran Traffic Systems, Inc.
- ◇ SeaTac Lighting & Controls, LLC
- ◇ Spot Devices, Inc.
- ◇ Traffic Safety Supply Company
- ◇ Quality Counts, LLC
- ◇ URS Electronics
- ◇ Valmont Industries
- ◇ Western Systems
- ◇ Zumar Industries

and many more....

Vendor Display: This one-day vendor exhibition has grown to become the premier trade show in the Northwest and a favorite of the vendors for traffic and transportation related products.

This is an excellent opportunity for traffic and transportation professionals, and signal and 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 professionals and over 40 different vendors at this year's exhibition.

Hope to see you there!

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

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



Meydenbauer Center

11100 NE 6th Street
 Bellevue, WA 98004
www.meydenbauer.com

(425) 637-1020

2010 Washington Section Annual Meeting Program for Monday, June 7, 2010						
Time	Track A (room 406)			Track B (room 407)		
7:00 to 7:55	Registration and Continental Breakfast					
Track A-1 8:00 to 8:55	Sustainability in Transportation		Moderator: Katherine Casseday	Intelligent Transportation System (ITS)		Moderator: Jim Bloodgood
	Topic	Transportation and Environment		Topic	Assesing ITS Procurement Needs	
	Speaker	Runze Yu		Speaker	Ted Bailey	
	Topic	Incorporating Climate Change in to Transportation Planning		Topic	Next generation ITS Data Mangement	
Track A-2 9:05 to 10:00	Freight and Goods Movements		Moderator: Kevin Chang	Innovative Regional Projects		Moderator: Seyed Safavian
	Topic	Developing GPS-based Freight Performance Measurement		Topic	36th Street Bridge, Looking for Respect	
	Speaker	Barbara Ivanov		Speaker	Dennis Apland	
	Topic	Seattle Feight Plan		Topic	I-5 Reconstruction Challenges	
Track A-3 10:15 to 11:10	Transporation Modeling and Impacts		Moderator: Jamal Mahmoud	Traffic Operation		Moderator: Jim Bloodgood
	Topic	Dynamic Traffic Assignment Simulation		Topic	SR-520 Tolling Challenges	
	Speaker	Janarthanan/Shyu		Speaker	Craig Stone	
	Topic	Microsimulation for East Link in Bellevue		Topic	Smarter Highway in Puget Sounds	
Track B-1 1:30 to 2:25	Transit System Innovations		Moderator: Jim Edwards	Challenges in Signal Operation		Moderator: Seyed Safavian
	Topic	North corridor/High Capacity Transit Plan		Topic	Bellevue Adaptive Traffic System Plan	
	Speaker	Matt Sheldon		Speaker	Mark Poch	
	Topic	Swift Bus Rapid Transit		Topic	Why Drivers Shouldn't design traffic signals	
Track B-2 2:45 to 3:40	Neighborhood Safety		Moderator: Kevin Chang	Puget Sound Regional Plans		Moderator: Katherine Casseday
	Topic	ADA Asset Management		Topic	Regional Concept of Traffic operation	
	Speaker	Franz Loewenherz		Speaker	Rossi/Mackay	
	Topic	Seattle/Bellvue Walkable Plan		Topic	Smart Corridors Congestion Management	
Track B-3 3:50 to 4:45	Emerging Technologies in Traffic Operation		Moderator: Jamal Mahmoud	Project Planning Challenges		Moderator: Nick Ching
	Topic	Analysis of Mangaed Lanes on Freeways		Topic	Rethinking Transportation Impact Analysis	
	Speaker	Yau-Jan-Wu		Speaker	Tom Neguchi	
	Topic	Software-based Loop Detection Testing		Topic	Succes in Applying for Grant Funding	
10:00 to 10:15 Morning Break						
11:15 to 1:25 LUNCH (room 405) Moderator: Jim/Seyed Social, Entertainment, Awards, Swearing in of New Officers						
2:30 to 2:45 Afternoon Break						
11:15 to 1:25						
2:30 to 2:45						
3:50 to 4:45						
4:00 to 4:45						
4:45 to 5:30						
5:30 to 6:00						
6:00 to 6:30						
6:30 to 7:00						
7:00 to 7:30						
7:30 to 8:00						
8:00 to 8:30						
8:30 to 9:00						
9:00 to 9:30						
9:30 to 10:00						
10:00 to 10:30						
10:30 to 11:00						
11:00 to 11:30						
11:30 to 12:00						
12:00 to 12:30						
12:30 to 1:00						
1:00 to 1:30						
1:30 to 2:00						
2:00 to 2:30						
2:30 to 3:00						
3:00 to 3:30						
3:30 to 4:00						
4:00 to 4:30						
4:30 to 5:00						
5:00 to 5:30						
5:30 to 6:00						
6:00 to 6:30						
6:30 to 7:00						
7:00 to 7:30						
7:30 to 8:00						
8:00 to 8:30						
8:30 to 9:00						
9:00 to 9:30						
9:30 to 10:00						
10:00 to 10:30						
10:30 to 11:00						
11:00 to 11:30						
11:30 to 12:00						
12:00 to 12:30						
12:30 to 1:00						
1:00 to 1:30						
1:30 to 2:00						
2:00 to 2:30						
2:30 to 3:00						
3:00 to 3:30						
3:30 to 4:00						
4:00 to 4:30						
4:30 to 5:00						
5:00 to 5:30						
5:30 to 6:00						
6:00 to 6:30						
6:30 to 7:00						
7:00 to 7:30						
7:30 to 8:00						
8:00 to 8:30						
8:30 to 9:00						
9:00 to 9:30						
9:30 to 10:00						
10:00 to 10:30						
10:30 to 11:00						
11:00 to 11:30						
11:30 to 12:00						
12:00 to 12:30						
12:30 to 1:00						
1:00 to 1:30						
1:30 to 2:00						
2:00 to 2:30						
2:30 to 3:00						
3:00 to 3:30						
3:30 to 4:00						
4:00 to 4:30						
4:30 to 5:00						
5:00 to 5:30						
5:30 to 6:00						
6:00 to 6:30						
6:30 to 7:00						
7:00 to 7:30						
7:30 to 8:00						
8:00 to 8:30						
8:30 to 9:00						
9:00 to 9:30						
9:30 to 10:00						
10:00 to 10:30						
10:30 to 11:00						
11:00 to 11:30						
11:30 to 12:00						
12:00 to 12:30						
12:30 to 1:00						
1:00 to 1:30						
1:30 to 2:00						
2:00 to 2:30						
2:30 to 3:00						
3:00 to 3:30						
3:30 to 4:00						
4:00 to 4:30						
4:30 to 5:00						
5:00 to 5:30						
5:30 to 6:00						
6:00 to 6:30						
6:30 to 7:00						
7:00 to 7:30						
7:30 to 8:00						
8:00 to 8:30						
8:30 to 9:00						
9:00 to 9:30						
9:30 to 10:00						
10:00 to 10:30						
10:30 to 11:00						
11:00 to 11:30						
11:30 to 12:00						
12:00 to 12:30						
12:30 to 1:00						
1:00 to 1:30						
1:30 to 2:00						
2:00 to 2:30						
2:30 to 3:00						
3:00 to 3:30						
3:30 to 4:00						
4:00 to 4:30						
4:30 to 5:00						
5:00 to 5:30						
5:30 to 6:00						
6:00 to 6:30						
6:30 to 7:00						
7:00 to 7:30						
7:30 to 8:00						
8:00 to 8:30						
8:30 to 9:00						
9:00 to 9:30						
9:30 to 10:00						
10:00 to 10:30						
10:30 to 11:00						
11:00 to 11:30						
11:30 to 12:00						
12:00 to 12:30						
12:30 to 1:00						
1:00 to 1:30						
1:30 to 2:00						
2:00 to 2:30						
2:30 to 3:00						
3:00 to 3:30						
3:30 to 4:00						
4:00 to 4:30						
4:30 to 5:00						
5:00 to 5:30						
5:30 to 6:00						
6:00 to 6:30						
6:30 to 7:00						
7:00 to 7:30						
7:30 to 8:00						
8:00 to 8:30						
8:30 to 9:00						
9:00 to 9:30						
9:30 to 10:00						
10:00 to 10:30						
10:30 to 11:00						
11:00 to 11:30						
11:30 to 12:00						
12:00 to 12:30						
12:30 to 1:00						
1:00 to 1:30						
1:30 to 2:00						
2:00 to 2:30						
2:30 to 3:00						
3:00 to 3:30						
3:30 to 4:00						
4:00 to 4:30						
4:30 to 5:00						
5:00 to 5:30						
5:30 to 6:00						
6:00 to 6:30						
6:30 to 7:00						
7:00 to 7:30						
7:30 to 8:00						
8:00 to 8:30						
8:30 to 9:00						
9:00 to 9:30						
9:30 to 10:00						
10:00 to 10:30						
10:30 to 11:00						
11:00 to 11:30						
11:30 to 12:00						
12:00 to 12:30						
12:30 to 1:00						
1:00 to 1:30						
1:30 to 2:00						
2:00 to 2:30						
2:30 to 3:00						
3:00 to 3:30						
3:30 to 4:00						
4:00 to 4:30						
4:30 to 5:00						
5:00 to 5:30						
5:30 to 6:00						
6:00 to 6:30						
6:30 to 7:00						
7:00 to 7:30						
7:30 to 8:00						
8:00 to 8:30						
8:30 to 9:00						
9:00 to 9:30						
9:30 to 10:00						
10:00 to 10:30						
10:30 to 11:00						
11:00 to 11:30						
11:30 to 12:00						
12:00 to 12:30						
12:30 to 1:00						
1:00 to 1:30						
1:30 to 2:00						
2:00 to 2:30						
2:30 to 3:00						
3:00 to 3:30						
3:30 to 4:00						
4:00 to 4:30						
4:30 to 5:00						
5:00 to 5:30						
5:30 to 6:00						
6:00 to 6:30						
6:30 to 7:00						
7:00 to 7:30						
7:30 to 8:00						
8:00 to 8:30						
8:30 to 9:00						
9:00 to 9:30						
9:30 to 10:00						
10:00 to 10:30						
10:30 to 11:00						
11:00 to 11:30						
11:30 to 12:00						
12:00 to 12:30						
12:30 to 1:00						
1:00 to 1:30						
1:30 to 2:00						
2:00 to 2:30						
2:30 to 3:00						
3:00 to 3:30						
3:30 to 4:00						
4:00 to 4:30						
4:30 to 5:00						
5:00 to 5:30						
5:30 to 6:00						
6:00 to 6:30						
6:30 to 7:00						
7:00 to 7:30						
7:30 to 8:00						
8:00 to 8:30						
8:30 to 9:00						
9:00 to 9:30						
9:30 to 10:00						
10:00 to 10:30						
10:30 to 11:00						
11:00 to 11:30						
11:30 to 12:00						
12:00 to 12:30						
12:30 to 1:00						
1:00 to 1:30						
1:30 to 2:00						
2:00 to 2:30						
2:30 to 3:00						
3:00 to 3:30						
3:30 to 4:00						
4:00 to 4:30						
4:30 to 5:00						
5:00 to 5:30						
5:30 to 6:00						
6:00 to 6:30						
6:30 to 7:00						
7:00 to 7:30						
7:30 to 8:00						
8:00 to 8:30						
8:30 to 9:00						
9:00 to 9:30						
9:30 to 10:00						
10:00 to 10:30						
10:30 to 11:00						
11:00 to 11:30						
11:30 to 12:00						
12:00 to 12:30						
12:30 to 1:00						
1:00 to 1:30						
1:30 to 2:00						
2:00 to 2:30						
2:30 to 3:00						
3:00 to 3:30						
3:30 to 4:00						
4:00 to 4:30						
4:30 to 5:00						
5:00 to 5:30						
5:30 to 6:00						
6:00 to 6:30						
6:30 to 7:00						
7:00 to 7:30						
7:30 to 8:00						
8:00 to 8:30						
8:30 to 9:00						
9:00 to 9:30						
9:30 to 10:00						
10:00 to 10:30						
10:30 to 11:00						
11:00 to 11:30						
11:30 to 12:00						
12:00 to 12:30						
12:30 to 1:00						
1:00 to 1:30						
1:30 to 2:00						
2:00 to 2:30						
2:30 to 3:00						
3:00 to 3:30						
3:30 to 4:00						
4:00 to 4:30						
4:30 to 5:00						
5:00 to 5:30						
5:30 to 6:00						
6:00 to 6:30						
6:30 to 7:00						
7:00 to 7:30						
7:30 to 8:00						
8:00 to 8:30						
8:30 to 9:00						
9:00 to 9:30						
9:30 to 10:00						
10:00 to 10:30						
10:30 to 11:00						
11:00 to 11:30						
11:30 to 12:00						
12:00 to 12:30						
12:30 to 1:00						
1:00 to 1:30						
1:30 to 2:00						
2:00 to 2:30						
2:30 to 3:00						
3:00 to 3:30						
3:30 to 4:00						
4:00 to 4:30						
4:30 to 5:00						
5:00 to 5:30						
5:30 to 6:00						
6:00 to 6:30						
6:30 to 7:00						
7:00 to 7:30						
7:30 to 8:00						
8:00 to 8:30						
8:30 to 9:00						
9:00 to 9:30						
9:30 to 10:00						
10:00 to 10:30						
10:30 to 11:00						
11:00 to 11:30						
11:30 to 12:00						
12:00 to 12:30						
12:30 to 1:00						
1:00 to 1:30						
1:30 to 2:00						
2:00 to 2:30						
2:30 to 3:00						
3:00 to 3:30						
3:30 to 4:00						
4:00 to 4:30						
4:30 to 5:00						
5:00 to 5:30						
5:30 to 6:00						
6:00 to 6:30						
6:30 to 7:00						
7:00 to 7:30						
7:30 to 8:00						
8:00 to 8:30						
8:30 to 9:00						
9:00 to 9:30						
9:30 to 10:00						
10:00 to 10:30						
10:30 to 11:00						
11:00 to 11:30						
11:30 to 12:00						
12:00 to 12:30						
12:30 to 1:00						
1:00 to 1:30						
1:30 to 2:00						
2:00 to 2:30						
2:30 to 3:00						
3:00 to 3:30						
3:30 to 4:00						
4:00 to 4:30						
4:30 to 5:00						
5:00 to 5:30						
5:30						



AASHTO Highway Safety Manual Workshop

Hosted by Institute of Transportation Engineers
Monday, December 6, 2010, 8:30AM – 4:30PM

This workshop provides an overview of the Highway Safety Manual (HSM). The purpose of the Highway Safety Manual (HSM) is to provide the best factual information and proven analysis tools for crash frequency prediction. The HSM will facilitate integrating quantitative crash frequency and severity performance measures into roadway planning, design, operations, and maintenance decisions. The primary focus of the HSM is the increased application of analytical tools for assessing the safety impacts of transportation project and program decisions.

Workshop overview

- Session 1: Introduction to the HSM
- Session 2: Fundamentals of Safety (including human factors) (Part A of the HSM)
- Session 3: Crash Modification Factors (Part D of the HSM)
- Session 4: Predictive Methods in the HSM (Part C of the HSM)
- Session 5: The Road Safety Management Process (Part B of the HSM)
- Module 6: Summary and Closure.

Intended audiences

- Traffic Engineers and Planners
- Program and Risk Managers

Instructors

Ida van Schalkwyk, Ph.D., CH2M HILL
Richard Storm, CH2M HILL

Location

Old Redmond Schoolhouse Community Center
16600 NE 80th Street
Redmond, WA 98073

Cost : ITE Members \$70, Non Members \$80, Students \$25

- Refreshments will be provided
- Cost includes ITE luncheon meeting (normally \$25 to \$35) featuring John Milton, WSDOT Director of Enterprise Risk Management

Space is limited, registration is required. Contact Carla Nasr at
iteregistration@hotmail.com



The Presenters

Ida van Schalkwyk, Ph.D. is a senior technologist working for CH2M HILL. Ida has a rich background working in practice, as a client and consultant, and in academia doing research and developing training. She has been working in the field of highway safety since 1993.

She is part of the development team for training materials on the 1st edition of the Highway Safety Manual (HSM): NCHRP 17-38. Over the last year she has presented 11 one to three-day HSM workshops and 10 webinars for NCHRP, TRB, ALDOT, IDOT, ITE, the Kiewit Center and CH2M HILL. She is currently working with FHWA in the development of a National Roadmap for the implementation of the HSM; HSM implementation strategies for state DOTs; and developing webinars for the HSM and the HSIP. She is also working on the NCHRP Lead States Initiative for Implementing the Highway Safety Manual.

She has extensive experience working in the field of safety as it relates to planning, the project development process, road safety management, and human factors. She has been actively involved in the Highway Safety Manual over the last nine years in a variety of roles: as a TRB Safety Performance Committee member (Communications Coordinator), as TRB Task Force for a HSM member, as researcher on NCHRP 17-29 (developed Chapter 11 of the HSM), as a panel member for NCHRP 17-34 that oversaw the development of Part B of the Manual, and as panel chair for NCHRP 17-36 that oversaw the Production of the First Edition of the HSM. Ida has a Ph.D. in Civil and Environmental Engineering from Arizona State University; a M. Eng (Transportation Engineering) and a B. Eng (Civil Engineering) from the University of Pretoria in South Africa.



Richard Storm, is a transportation engineer working for CH2M HILL in their Bellevue, WA office. He received his B.S. and M.S. in Civil Engineering from Iowa State University and has been working as a consultant in the field of highway safety since 2001.

He has extensive experience working in the field of transportation, including traffic design, travel demand modeling, traffic operations analysis and traffic safety. His traffic safety experience includes involvement in road safety audits, several state and national safety research projects (including NCHRP Report 500 and NCHRP Report 650), safety studies and field reviews for the National Park Service, as well as safety planning and analysis for Strategic Highway Safety Plan development for Minnesota, Mississippi, Nebraska, and Nevada. He has supported the Illinois DOT in their implementation of their SHSP by evaluating cable median barrier implementation, bridge safety and rumble strip implementation for two-lane rural highways. He is currently part of CH2M HILL's team to develop a safety plan for every Minnesota county, where the core of each plan is location specific safety improvements eligible for the state's safety funding. Locally, he is performing the safety review for the proposed East Link LRT corridor.



Other Technical Activities

Washington Traffic Simulation Roundtable

The Washington Traffic Simulation Roundtable, a technical subcommittee of the Washington State Section of ITE, met throughout the past year, typically on an every other month basis. The roundtable is intended as an open forum on the topic of traffic simulation.

The goals of the Washington Traffic Simulation Roundtable are to promote sound and consistent analytical practices, promote the appropriate usage of traffic simulation, reduce the risks associated with traffic simulation, and improve the trust of traffic simulation. Each roundtable draws about 30 participants each meeting. Key leaders of the group are Tony Woody, CH2M HILL, James Colyar, FHWA, and Jeanne Acutanza, CH2M HILL.

Tuesday, January 12, 2010

7:30am to 11:00 am

Maggiano's Little Italy, Bellevue, WA

Americans with Disabilities Act (ADA) - Overview of Title 11

After a breakfast buffet of Section Meeting attendees to kick off an expanded monthly Section meeting, Ms. Jodi Peterson of the Federal Highway Administration (FHWA) Washington State Division Office provided a training overview of the requirements set forth for state and local agencies by Title 11 of the Americans with Disabilities Act. Ms. Peterson is the FHWA Civil Rights Program Manager and Training Coordinator.

During her presentation, Ms. Peterson primarily focused on how agencies can apply appropriate guidelines and policies in designing facilities within public rights-of-way. With approximately 54 million Americans over the age of 15 having a disability according to the 2000 census, the current ADA legislation attempts to address opportunities for all Americans to have equal quality of life. Actions such as designating an ADA coordinator within each agency, and developing a transition plan to prioritize needs and implement improvements and upgrades are important elements in complying with the intent of the regulations. Otherwise, an agency could potentially jeopardize its federal funding received for transportation projects, or be penalized if guidelines for upgrading programs to current standards are not adequately met as part of its overall transportation program.

Following Mrs. Peterson's presentation, Franz Loewenherz of the City of Bellevue provided a unique example of how Bellevue was able to apply the Title II requirements in evaluating the City and updating their transition program. Employing emerging technology, the City capitalized on a grant to integrate an ultra-light inertial profiler fitted to Segway human transportation equipment to gather data on Bellevue's existing sidewalks and ramps. With 330 miles of sidewalks mapped during a two month period, the data was used to provide cost estimates to address deficiencies. With this information, Bellevue was able to identify and estimate approximately \$936M in potential corrective treatments throughout the city.

Technical Articles in Section Newsletters

Technical activities of the Section also include technical articles prepared by members and included in the Section's monthly newsletter. Two of the featured articles from 2010 are listed below as examples.

“WSDOT Wireless Vehicle Detection System Evaluation at Olympia Area Field Test Sites” By Matthew Neeley, Washington State Department of Transportation January, 2010 Washington Section Newsletter



The Washington State Department of Transportation (WSDOT) has implemented two field test sites in Olympia, along I-5 (see Figure 1) and SR 101, for the sole purpose of testing various kinds of ITS equipment. The field test sites are equipped with video surveillance, controller cabinets, a backup 20kVA generator, 50-foot poles for mounting test devices, and a direct fiber optic communication cable connection back to the WSDOT Emergency Operations Center (EOC) for remote operation and data collection. In addition, WSDOT has partnered with the University of Washington to evaluate other technologies such as video-based vehicle detection and classifications systems and Bluetooth MAC address tracking for

travel times. WSDOT is open to partnering with local agencies to coordinate research activities in order to reduce duplicate effort. As part of WSDOT's field research, evaluations have been completed for a number of ITS devices. This report will focus on Wavetronix, Speedinfo, and Sensys Wireless Vehicle Detection systems. Vehicle speeds and count data were collected side-by-side with data gathered from traditional loops that have been calibrated with manual counts. WSDOT has deployed all three technologies in multiple locations throughout the state.

“Safety Implications of Conversions to Flashing Yellow Arrow Indications” By Richard A. Perez, P.E., City Traffic Engineer, City of Federal Way



This report analyzed the before-and-after collision history of Flashing Yellow Arrow (FYA) traffic signal indications in the City of Federal Way, WA. Flashing Yellow Arrows were allowed by FHWA by Interim Approval and have since been adopted in the 2009 MUTCD. Federal Way took advantage of WSDOT's statewide Interim Approval to implement a pilot project in 2006. An evaluation of the first six months of operation resulted in City Council approval of FYA's for all new protected/permitted installations and established criteria for a retrofit program to be funded with project savings from the pilot project. This funding has been supplemented with developer mitigation and small works capital funding. FYA's have now been installed at eight of the

City's seventy-six signalized intersections in Federal Way, with funding for one more retrofit in 2010, and proposed capital funding of four more retrofits in 2011, and four new installations in 2011 and five more in 2012.



Legislative Activities

New Laws Passed By the Washington State Legislature in 2010

Implementing Rules and Penalties for Drivers When Approaching Certain Emergency, Roadside Assistance, or Police Vehicles in Emergency Zones.

Defines an emergency zone as the area 200 feet before and after a stationary emergency vehicle, a tow truck, an emergency assistance vehicle, or a police vehicle utilizing its respective signal lights or sirens. Requires motorists to observe the speed limit in an emergency zone, and doubles the normal fine for motorists that do not. Creates the crime of reckless endangerment of emergency zone workers, a violation of which is a gross misdemeanor and also subjects an individual to an automatic 60-day driver's license suspension.

Addressing the use of Wireless Communications Devices While Driving.

Prohibits the holder of either an intermediate driver's license or an instruction permit from operating a motor vehicle while using a wireless communication device except in the case of an emergency. Allows the laws prohibiting holding a wireless communication device to an individual's ear while operating a moving motor vehicle and the use of a wireless communication device to send, read, or write a text message while operating a moving motor vehicle to be enforced as a primary infraction for all drivers.

Concerning the Administration, Collection, Use, and Enforcement of Tolls.

Allows for the detection and issuance of photo tolls, which may be paid through a customer account or upon receipt of a toll bill. Provides for an 80-day period between the assessment of a toll and the issuance of a toll infraction for failure to pay a toll. Removes the Washington State Patrol from the toll infraction issuance process, and places the issuance in the hands of limited law enforcement officers designated by the Washington State Department of Transportation (WSDOT). Removes the court system from the toll infraction adjudication process, and requires the WSDOT to develop an administrative adjudication process for appeals of civil penalties related to toll infractions. Expands the Toll Collection Account (Account) uses to allow for operations that benefit multiple toll facilities to be cleared through the Account.

Review of New Manual on Uniform Traffic Control Devices

A representative of the ITE Washington State Section participates on the State committee that is reviewing the new edition of the Manual on Uniform Traffic Control Devices for State adoption. In addition, several ITE member agencies also participate and are providing input and comments to the Washington State Department of Transportation, which is responsible for formally adopting the new Manual and an accompanying State supplement with modifications. Several meetings were held in 2010, with adoption anticipated in 2011.



Section Meetings

Tuesday, January 12, 2010
7:30am to 11:00 am
Maggiano's Little Italy, Bellevue, WA

Americans with Disabilities Act (ADA) - Overview of Title 11

The January section meeting was expanded to provide a program covering the Americans with Disabilities Act, as it applies to public rights-of-way. After a breakfast buffet of Section Meeting attendees, Ms. Jodi Peterson of the Federal Highway Administration (FHWA) Washington State Division Office provided a training overview of the requirements set forth for state and local agencies by Title 11 of the Americans with Disabilities Act. Ms. Peterson is the FHWA Civil Rights Program Manager and Training Coordinator.

Following Mrs. Peterson's presentation, Franz Loewenherz of the City of Bellevue provided a unique example of how Bellevue was able to apply the Title II requirements in evaluating the City and updating their transition program. Employing emerging technology, the City capitalized on a grant to integrate an ultra-light inertial profiler fitted to Segway human transportation equipment to gather data on Bellevue's existing sidewalks and ramps.

An expanded description of the training is included in the Technical Activities section of this report.

Monday, February 22, 2010
8:30am to 4:00pm
Doubletree Hotel Seattle Airport; Seatac, WA

ITE/IMSA Annual Meeting

This one-day vendor exhibition and technical program has grown to become the premier trade show in the Northwest and a favorite of the vendors for traffic and transportation related products. It also provides a unique opportunity for the memberships of our state ITE Section and the state International Municipal Signal Association (IMSA) Section to share knowledge and experiences and to network among professionals and technicians and vendors.

The attending traffic and transportation professionals, and traffic signal and sign technicians are also drawn to this meeting to come and see "what's new" in the industry and to meet with the manufacturer's representatives. The luncheon provided an effective opportunity for members and officers of both state sections of ITE and IMSA to network. See the Technical Activities section of this report for a copy of the conference program.

Tuesday, March 9, 2010
8:00 am to 12:30 pm
Everett Transit Station, Everett, WA

Bus Rapid Transit in the Puget Sound Region

The March monthly meeting centered on two presentations on innovative bus rapid transit projects in the Puget Sound region. June DeVoll of Community Transit (CT) in the Everett/Snohomish County area provided an overview CT's Swift initiative and its \$29.5 million, 16.7 mile project. Swift is designed to include all elements of bus rapid transit. During the presentation, the following were covered: branding, hybrid vehicles, accommodating all users, station design, fare collection, service headways management, and ridership projections. The project costs, schedule, and future CT plans were also discussed.

Karen Rosenweig and Irin Limargo of King County Metro Transit then gave a presentation on Metro's RapidRide bus rapid transit project. Areas that were covered included their approach on branding, signage and marketing, design of passenger facilities, the six BRT corridors and their alignment selections, use of HOV and signal priority, travel time savings, and costs and schedules.

Tuesday, April 13, 2010
11:30 am to 2:00 pm
The Pyramid Alehouse, Seattle, WA

Linkages Between Transportation Engineering and Urban Spaces

Nate Larson, a Senior Transportation Engineer with the URS Company, provided a presentation on the linkages and interrelationships that should be considered between transportation engineering and design and that of the urban spaces in which they occur. The concepts of "Complete" and "Green" streets were discussed, within the context of how safety trends have evolved for vehicles and roadway designs over the years. As vehicle design incorporated more safety features, the injury and fatality rates began to drop. However, technology allowing for greater speeds in addition to driver overconfidence with their trust in new safety devices, acted as a balancing force that countered the benefits.

While keeping fixed objects away from travel lanes may lessen the accident potential and severity in the event of a crash, there is also a potential within urban settings to also potentially decrease the level of safety. Displaying a schematic of a multi-way boulevard, the points of conflict for vehicles at the intersection totaled about 100, which might not be conventionally regarded as a safe street. Yet, crash data shows they are no less safe than a traditional intersection. Also, a boulevard with 4 lanes of travel separated by a median as well as another median for a parking access road provided a space for different users of the corridor.

It was pointed out that, at an intersection, a perceived raised danger level could potentially command alertness and concentration that leads to safely negotiate conflicting traffic. A dose of discomfort could raise the attention level of drivers and the accident rate may result in far less than its initial appearance would have indicated.

Tuesday, May 11, 2010
6:00pm to 9:00pm
Ivar's Salmon House, Seattle, WA

Student Night Meeting

This year's student competition project involved the traffic analysis and scoping for a proposed project that was provided by the City of Redmond, WA. The 166th Avenue NE corridor between NE 85th Street and NE 100th Street is a four-lane collector providing access to the "Education Hill" residential neighborhood. Redmond's Transportation Management Plan identifies 166th Ave NE as a multimodal corridor, where bicycle, pedestrian, transit, and automotive modes are all to be served well. Students were asked to develop a conceptual design of the 166th Avenue NE corridor in Redmond. Their proposals were judged on their ability to develop creative solutions to improve pedestrian and bicyclist safety, and manage traffic flow.

A total of six student teams participated, from both the University of Washington and Seattle University. The top three plans were chosen based on a vote at the end of the evening of the members in attendance, with the students competing for cash prizes of \$500, \$300, and \$200. The winning team consisted of Jonathan Cory and Felipe Sandoval of the University of Washington.

In addition, the 2010 Graduate and Undergraduate scholarships were awarded, to Felipe Sandoval, graduate student (\$2,000), and to Aaron Knight, undergrad (\$1,500), both of the University of Washington.

Claudia Hirschey, a long time section member, and former local city councilmember, donated \$1,321 to the Section, and thanked the many members for their personal support.

Monday, June 7, 2010
7:30 am to 5:00pm
Meydenbauer Center, Bellevue, WA

Washington State Section Annual Meeting

The 2010 Annual Meeting for the Washington State Section of ITE was held at downtown Bellevue's premier conference center.

The Annual Meeting consisted of 36 different presentations in two different conference tracks, and topics ranged included traffic and transportation, transit, engineering and planning, sustainability, and other current and emerging issues. See the Technical Activities section of this report for a copy of the conference program.

At the luncheon, the past year's volunteers for the Section's many activities and organizational functions were recognized. The election results were announced, and Rory Grindley conducted the swearing in of the new officers: Katherine Cassaday, President; Kevin Chang, Vice President; Jim Ellison, Secretary; and Jim Bloodgood, Past President.

Meagan Powers, was recognized as the 2010 Outstanding Young Engineer and Dan Dawson, was the year's recipient for the section's Outstanding Service Award. The luncheon concluded with entertainment from Pat Cashman, a local radio/TV/theater personality who included in his comments comic observations of the traffic and transportation field, its jargon, and its local personalities.

Tuesday, June 8, 2010
10:00 am to 5:00pm
Battle Creek Golf Course, Marysville, WA

22nd Washington ITE Classic Golf Tournament

Eighteen groups of ITE members and friends, consisting of more than 72 people, participated in this traditional event.

The competition was exciting, and included a tie for first place between the longtime Seattle DOT team lead by Brian Kemper, and the third King Co team. A putt-off ensued, and after some remarkable shots, King Co (Jeff Lee, Nick Tran, David Mark, and Brad Wong) will have their name enshrined on the Classic Trophy. Third place went to INCA, and the Highest Score Award went to the DKS Ladies.

After the round, folks settled in for a great BBQ lunch, which included recognition of our wonderful sponsors, a huge round of applause for tournament founder Terry Gibson, and competition awards and raffle. Thanks to our sponsors, over 25 raffle prizes were handed out. Primary sponsors included Mark Skaggs - All Traffic Data (BBQ), Robert Nims - Western Systems (Prizes), and Mike Singson - Advance Traffic Products (Competition holes). Also making much appreciated contributions were INCA (Dave Alm), DKS Associates (Mark Yand), Quality Counts (Andrew Bellamy), Spot Devices (Sandi Taylor), Zumar (Tom Brandes), Fehr & Peers, and Perteeet.



June 27- June 30, 2010
San Francisco, CA
ITE District 6 Annual Meeting



August 8 - August 11, 2010
Vancouver, BC, Canada
ITE International Annual Meeting and Exhibit



Tuesday, September 14, 2010
11:30 am to 2:00 pm
Salty's on Alki; Seattle, WA

Transportation 2040

Michael Cummings of the Puget Sound Regional Council is the project lead for the development of Transportation 2040, the area's Regional Transportation Plan. His presentation provided an overview on Transportation 2040 to the 55 attendees, as well as providing some perspective on why it is different from other plans.

As agencies move forward with transportation improvements, Mr. Cummings stressed the importance of considering various facets of improving mobility. Traditional funding sources will be enhanced by user fees to manage congestion. Environmental impacts such as air quality will be especially emphasized in moving new projects forward. Still, with 60% of the strategy focused on preservation, operation and maintenance of existing facilities, the plan will need to be recalibrated after the initial five year as the program continues to move forward. Discussions on what form various parts of the plan would take was better illustrated during the question and answer session that followed the formal presentation.

Tuesday, October 12, 2010
11:30 am to 1:30 pm
Lytle House, Bothell, WA

Optimizing Use of Transportation Resources

Ted Trepanier, Executive Director for the Public Sector with INRIX, Inc. was the speaker for October's meeting, attended by 39 members and guests. Prior to joining INRIX, he was the Director of Traffic Operations for the Washington State Department of Transportation.

Mr. Trepanier presented an overview of the findings from a recent best practices domestic scan conducted as a part of National Cooperative Highway Research Program (NCHRP). The purpose of the study was to identify best practices strategies used in the United States to maximize traffic flow without expanding capacity on existing facilities. The team visited Virginia, Maryland, New Jersey, Minneapolis, California, and Washington State and also held a webinar with the District of Columbia Department of Transportation.

The findings of the domestic scan are summarized in the final report as Common Practices, Best Practices, Emerging Practices, and study recommendations. Since half of the congestion is typically from lack of capacity and half is from incidents, a universal agreement to maximize existing capacity along with better incident detection and management rose to the top of the common and best practices list. Among the recommended practices, ramp metering, adaptive traffic control systems, improvements in incident response, establishing social networking, and several others were presented.

Tuesday, November 9, 2010

11:30 am to 1:30 pm

UW Club, University of Washington, Seattle, WA

Transportation Sustainability Program at the University of Washington

Scott Rutherford, PhD, Professor and former chair in the Department of Civil and Environmental Engineering at the University of Washington, gave a presentation describing the Civil & Environmental Engineering Department (CEE) development of a real time online master's degree program in Sustainable Transportation. A three course certificate pilot program was offered in the past academic year with one course each quarter offered from 6 PM to 9 PM on day per week. The proposed master's program would take place over three years and include nine formal courses and a capstone resulting in a 42 quarter credit master's degree from CEE. The proposed program is currently out for a national peer review and must be approved by the college of engineering, the graduate school, the Higher Education Coordinating Board and finally the Board of Regents of the UW. The first class could potentially enter the program as early as the fall of 2011 and graduate the spring of 2014.

The program utilizes technology as students log onto Adobe Connect online with voice over internet to attend a real-time virtual classroom. Logged-in students are listed on the page along with icons indicating a raised hand and a dialogue box for questions or discussions. In return, the professor is able to call on students or remove the dialogue function to manage the classroom. Class sessions are recorded so that they may be viewed at a later date in the event of a schedule conflict. An online student forum is provided that enables sharing of resources, commenting on readings and lectures and other activities that students typically engage. Students from North Carolina to San Francisco were among 19 out of 23 enrolled to complete the pilot.

Monday, December 6, 2010

8:30 am to 4:30 pm

Old Redmond Schoolhouse Community Center, Redmond, WA

Highway Safety Manual Workshop

The December meeting consisted of a workshop on the overview of the new Highway Safety Manual (HSM), as well as a luncheon meeting for both workshop attendees as well as those who could not attend the day-long training.

The workshop was conducted by Ida van Schalkwyk, Ph.D., CH2M HILL, and Richard Storm, CH2M HILL. It covered the topic areas of Fundamentals of Safety (including human factors),

Crash Modification Factors, Predictive Methods in the HSM, and the Road Safety Management Process. The workshop is described in more detail in the Technical Activities of this report.

Tort Liability/Risk Management for Transportation Professionals Working in Washington State

John Milton was the luncheon speaker for the December meeting. He is the Director of Enterprise Risk Management for Washington State Department of Transportation, is chair of the Task Force for the Development of the Highway Safety Manual (ANB25), and chair of the Transportation Research Board Highway Safety Performance Committee.

Mr. Milton began his presentation with an overview including:

1. Steps in a lawsuit; the process with which lawsuits are brought forth and addressed.
2. Understanding perspective and how it may be used against the professionals.
3. Documentation with quantifiable words and figures.
4. Mitigating risk in documentation with just the facts and not opinions.

As a demonstration, a volunteer was selected from the audience to simulate a trial or deposition experience. Mr. Milton began to ask questions that would have the transportation professional link their work with that of “safety.” At this point, the attorney can trap him in the corner requiring a yes or no response to the question is it safe. If answered “yes”, then the attorney would argue that it was not safe because their client died or was severely injured and if answered “no,” then the attorney had proven the liability. It would be a no-win situation.

Mr. Milton provided examples of ways to emphasize facts rather than opinions to mitigate the exposure to legal risks. For example, rather than describing an area as “icy conditions” the document can say “there was ice on the shoulder.” Instead of “striping was added to improve safety,” a better description would be “striping was added to provide additional driver information.”



Student Chapter Activities

Undergraduate and graduate students from the University of Washington and Seattle University participate in a variety of campus activities, as well as in the Washington State Section's annual student night competition each May. Throughout the year, the Section provides reduced, nominal fees for students interested in attending the monthly luncheon meetings, the ITE/IMSA conference in February, and the Section's Annual Meeting in June. The Section was also able to sponsor students to attend the ITE International Meeting in Vancouver, BC, in August. These were great opportunities for the students to network with professionals, to attend presentations on current transportation issues, and to learn more about the ITE organization itself.

The ITE Student Chapter at the University of Washington is a registered student organization created to promote the education and professional development of students interested in transportation engineering and planning. This organization introduces students to the many facets of transportation engineering by inviting speakers or by visiting agencies and project locations. The chapter also strengthens the University of Washington's transportation engineering program by encouraging active participation in local transportation issues. ITE members have opportunities to improve their technical and communications skills through professional and social settings.

The following are examples of some of the activities held by the UW Student Chapter in 2010.

ITE Kick-Off Party

ITE Kick-Off Party - On October 6, 2010, more than 30 students showed up to start off the year and hear about ITE, its events, while enjoying some pizza.

ITE Traffic Bowl 2010 in Oregon

ITE Traffic Bowl - On November 18, 2010, eight students traveled down to Troutdale, Oregon to participate in the annual Traffic Bowl (Traffic Jeopardy) against schools in the area (Washington State University, Portland State University, University of Idaho, and Oregon State University).

End of the Quarter Event (Autumn 2010)

End of the Quarter Event - On December 16, 2010, students celebrated the end of the quarter with a relaxing night at the College Inn Pub before the start of the holidays.

ITE Data Collection Project

The student chapter gathered and compiled trip generation data at Roosevelt High School in Seattle and prepared and submitted a summary report as a part of a Data Collection fund grant project awarded by ITE Western District.

Student Scholarships

During the May Washington State Section meeting, the 2010 Graduate and Undergraduate scholarships were awarded, to Felipe Sandoval, graduate student (\$2,000), and to Aaron Knight, undergrad (\$1,500), both of the University of Washington.

Student Night Competition

The 2010 ITE Student Night was held on May 11th. This year's student competition project involved the traffic analysis and scoping for a proposed project that was provided by the City of Redmond, WA. Students were asked to develop a conceptual design of the 166th Avenue NE corridor in Redmond. Their proposals were judged on their ability to develop creative solutions to improve pedestrian and bicyclist safety, and manage traffic flow.

A total of six student teams participated, from both the University of Washington and Seattle University. The top three plans were chosen based on a vote at the end of the evening of the members in attendance, with the students competing for cash prizes of \$500, \$300, and \$200. The winning team consisted of Jonathan Cory and Felipe Sandoval of the University of Washington.

Please see the Section Meetings portion of this report for a more detailed summary of the meeting.

Student Participation at the ITE International Meeting in Vancouver, BC, Canada




Five students from the University of Washington attended the International Meeting in Vancouver, BC in August, supported by \$1,000 provided by the Washington State Section to help defray costs.

In general, the students were motivated to learn from specific topics related to their research and interest areas, and to look for job opportunities. The variety of sessions offered during the meeting and the networking opportunities (at the exhibit area, and during coffee breaks and mixers) fulfilled the members' objectives. They found that the ITE professionals at the conference were very open to talking with students, have a thoughtful conversation and provide information about job opportunities. They also appreciated the chance to meet students from all over the States and Canada. The UW student members felt that the conference was well worth attending, and were greatly surprised by the ITE culture of experience-sharing as well as the willingness to provide professional advice.

Upon returning from the conference, each student member provided a written summary of their perspectives and insights stemming from their experiences at the conference, which were included as a part of the Washington State Section's October newsletter.



Part of the UW-ITE crew at the International Meeting and Exhibit in Vancouver, BC: Runze Yu, Felipe Sandoval, Wenjuan Zhao, and Yao-Jan (from left to right). Brent Butler also attended the meeting but had job-related responsibilities at the time of the photo.

<p>UW Student Chapter Officers</p> <p>President</p>	<p>Runze Yu</p>		<p>Runze Yu is a first year Ph.D. Student and also a Research Assistant for the STARLab. He is interested in Transportation's Environmental Impact as well as Traffic Flow Theory.</p>
<p>Vice President</p>	<p>Xiaoyue Liu</p>		<p>Xiaoyue (Cathy) Liu is a first year Ph.D. student. Her research includes work for Professor Yin Hai Wang on managed lane facilities in traffic operations.</p>
<p>Treasurer</p>	<p>Kelly Piterra</p>		<p>Kelly is a Ph.D. student. Kelly has been integrally involved with UW ITE having served as chapter president in the 2006-2007 school year. Her research includes work for Anne Goodchild on freight systems resiliency. Kelly hopes to pursue a career as a professor in Civil Engineering.</p>

<p>Secretary</p>	<p>Tom Le</p>		<p>Tom Le am a first year Masters student. His interests lie in transit planning. He is pursuing the Global Trade and Transportation Logistics certificate.</p>
<p>Undergraduate Representative & Webmaster</p>	<p>Zhuohong Shen</p>		<p>Zhuohong Shen (Klein) is a junior year undergraduate student at the UW, double majoring in Civil & Environmental Engineering and Computer Science & Engineering. He is interested in applying advanced computational methods to engineering problems.</p>
<p>Faculty Advisor</p>	<p>Yinhai Wang</p>	 <p>Yinhai Wang is currently an Associate Professor in the College of Engineering at the University of Washington. He has been working at the University of Washington since 1998. Professor Wang is the Director of the Smart Transportation Applications and Research Laboratory (STAR Lab) and also Coordinator of the TransNow ITS Group. His research is focused on numerous ITS applications which he lists on his faculty website</p>	



Awards

The 2010 Outstanding Young Engineer Award was given to **Ms. Meagan Powers**, Transportation Engineer, DKS Associates. Meagan has been instrumental in co-chairing the Section's Student Activity Committee for the last several years, and in working closely and effectively with our students at the University of Washington and at Seattle University.

The 2010 Outstanding Service Award was given to **Mr. Dan Dawson**, Principal, OTAK, Inc.

Dan is a longstanding member of the Institute with a career focus on transportation design and mobility for all travel modes. Dan is a project manager and principal at Otak in Kirkland, Washington. Dan's contributions to the practice of transportation engineering include co-authoring the *Washington State Pedestrian Facilities Guidebook* for WSDOT, developing the design guidelines for pedestrian safety and accessibility, contributing to Transportation Research Board publications as well as the Public Rights-of-Way Access Advisory Committee (PROWAAC) *Special Report: Accessible Public Rights-of-Way, Planning and Designing for Alterations*. He has authored articles for ITE Journal and presents technical papers at ITE conferences to continue the education of the membership in designing for full accessibility and mobility. Dan continues his efforts to educate our members on accessible pedestrian signals (APS) through coordinating the upcoming training session for our Section. It is a pleasure to recognize Dan Dawson in 2010 for his Outstanding Service to the community and to the Washington State Section.

Congratulations!