VOL. 27 | ISSUE 6 | APRIL 2017 INSTITUTE OF TRANSPORTATION ENGINEERS & PROFESSIONALS

President's Message

APRIL 2017

Paul Cho
ITE President

A falling object accelerates 32.2 ft/s^2. If it were dropped from a height of four feet, it would hit the ground in about 0.5 seconds and be traveling 11mph. So for 0.49 seconds, things were smooth as silk as my front tire washed in loose mud and I found myself accelerating downward with a velocity of 10mph and increasing. Not expecting to "lose it", I wasn't prepared and my perception-reaction time of 0.2s only left me another 0.3s to barely take my hand off my handlebar and no time to brace my fall. My body impacted packed dirt with a hardness nearing that of asphalt and came to an abrupt stop resulting in quite painful but thankfully superficial damage to my left side.

Much of the pain I was feeling immediately following the impact with the ground has gone away but evidence of the collision still linger in bruised arms, legs, side and sprained wrist. I suppose the flat ground provided even distribution of forces and resulting damage. The pain I experienced is something I would rather not encounter again in the near future or any future.

But this is only a fraction of the forces involved if a pedestrian or a bicyclist were to encounter a hard object such as a car or truck. The collision with the vehicle is only the first impact, but there would be a second collision with the ground. In mountain biking, it can come down to pure luck that one lands in a pile of ferns. If you are unlucky, there may be a rock or a root or a tree stump that is protruding that could contribute to broken bones. I can only analogize bumpers and mirrors as being similarly threatening objects.

If I take my falling experience further and increase the forces by climbing onto a ladder to clean my gutters, a fall from 10 feet would take 0.8 seconds to hit the ground and accelerate me to 17mph. Often times we can't imagine the forces involved in a pedestrian collision with a vehicle traveling at 17mph. Most residential roadways are 25mph and we accept that as being "safe." Or is it?

~ See President's Message Next Page

ITE March Meeting

Topic: All Things Considered – Setting Speed Limits
When: Tuesday, April 11
11:30am – 2:00pm

Where: Dumas Bay Centre
3200 SW Dash Point Rd
Federal Way, WA. 98023

See Events Page for registration information

SAVE THE DATE
MAY 09

student NIGHT

IVAR'S SALMON HOUSE
on NORTH LAKE UNION

Inside this Issue

- President's Message
- Treasurer's Chest
- Sign of the Times
- Scribe Report
- ITE Student Night-May 09
- Event Calendar
- Wise Tales
- ITE International Candidates
- ITE Terry Gibson Golf Classic-June 14
- Training & Career Opportunities
- Yesteryears – SR162 Puyallup River Bridge
- CrossWalks Puzzle
- ITE-WA Support Advertiser Section
- ITE-WA Section Officers
- ITE-WA Section Business

President's Message – continued

Speed limits have been around since the late 1800s. It attempts to balance traffic safety with travel time and mobility. There are different conflicts involved with multiple roadway users on different roadways. In residential areas, it's vehicle to non-motorized that is the critical conflict. But in higher classification roadways such as highways, the threat is more vehicle-to-vehicle. But as development of our communities and social trends pushes vehicles and non-motorized traffic together on higher classification roadways, where do we strike that balance point?

Many of our roadway design guidelines are based on design speeds. But are we designing roadways for higher limit than what we intend for the majority of the users? Beyond just 85% speeds, what is the correct speed in light of bicyclists, pedestrians, transit, and future modes? Should the optimal capacity be the driving factor of design speeds since it can ultimately influence travel times?

As we ponder the thoughts of whether I should have had more weight on the front tires to increase the traction which would have led to a decrease chance in colliding with mother earth, please join me for this month's luncheon meeting to find out about what WSDOT is up to as Andrew Beagle speaks about All Things Speed Considered.

Paul Cho, P.E.; ITE President
Traffic Operations Engineer
City of Redmond

Treasurer's Chest ~ NEW!

APRIL TREASURER REPORT

We are happy to report another meeting where the meeting dues exceeded the costs of the meeting. Below is the total breakdown of the meeting costs and revenues.

Venue and Catering Cost: $578.29

Meeting Dues: $636.55

Net Income: $58.26

If you have any questions about our chapter's finances, don't hesitate to reach out to myself or the board.

-Mike

Mike Hendrix, P.E., PTOE; ITE Vice President
Project Manager; Perteet

Mike Hendrix
ITE Vice President

ITE-WA Membership

Renew or become an ITE-Washington Section Member and enjoy connecting with others in our industry. Personal interaction, growth, discussions, interesting topics and social events make the membership worthwhile.

westernite.org/Sections/washington

Scribe's Report

FHWA's Small Town and Rural Multimodal Networks Guide

MARCH 2016 By Daniel Lai, P.E.

Daniel Lai, PE
ITE Secretary
City of Bellevue
Senior ITS Engineer

Our presentation from March's ITE meeting exemplified how non-motorized facilities can be effectively deployed in rural environment to protect vulnerable users on the roadway. While bike boxes, cycle tracks, and colored bike facilities become more commonplace as treatments in urban environments, our industry's experience in deploying similar treatments in non-urban settings is limited. Interesting enough, did you know that about 20% of the US population lives in rural areas and approximately half of our Washington counties are considered rural?

While many of these concepts are new to us, they have already been deployed in various small towns across the nation including those shown here.

Additionally, these are also some of the areas that experience the highest crash rates within our state. The challenges that face transportation professionals in these scenarios are the lack of transportation options provided in these settings, coupled with the auto-centric roadways and constrained terrain.

Mixed Traffic Advisory Shoulder (Hanover, NH)
Source: http://ruraldesignguide.com

Mixed Traffic Bicycle Boulevard (Ennis, MT)*Source:*
Source: http://ruraldesignguide.com

As leaders in the non-motorized transportation design and planning sector, Andrea Clinkscales and Fred Young from Alta Planning + Design shared with ITE members their forward thinking approach in working with FHWA to develop a Small Town and Rural Multimodal Networks Guide (STAR Guide) that is unique to small towns and rural settings. This guide comprehensively covers an array of applications, benefits, case studies, geometric designs that enable the design of safe non-motorized facilities in small town and rural environments. Treatments range from mixed traffic, visually separated, and physically separated facilities.

Physically Separated Sidepath (Moab, UT):
Source: http://ruraldesignguide.com

Visually Separated Pedestrian Lane (Detroit, OR):
Source: http://ruraldesignguide.com

ITE Members Luncheon

While many of these concepts are new to us, they have already been deployed in various small towns across the nation including those shown here.

A complete guide is available in both paperback and online version. The guide provides additional information on applications and examples for transportation professionals. The online version can be found at the following address (http://ruraldesignguide.com/) to help inform the next small town and rural design project that will "support safe, comfortable, and active travel for people of all ages and abilities."

CAMPUS CORNER

WESTERN DISTRICT DATA COLLECTION PROJECT

The University of Washington's Student ITE chapter was again selected by Western District ITE for the annual data collection project. The UW students are working on a trip and parking generation study at the Hotel Wallingford. They have submitted a draft report to Western ITE and they will receive a $1,000 stipend to support chapter operations and travel to Western District conferences and events.

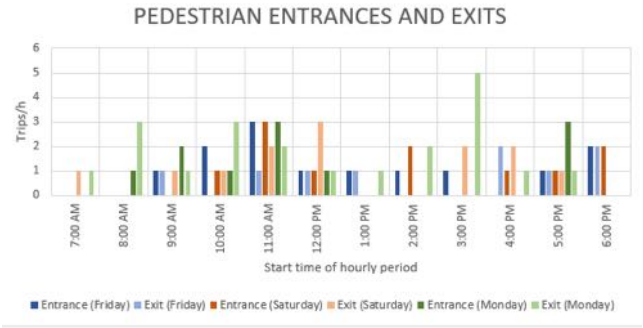


Figure 5 Pedestrian Trip Generation Summary

STUDENT SCHOLARSHIP APPLICATIONS DUE APRIL 14TH

Applications for the undergraduate and new high school senior scholarship programs are available on the WA State ITE website. This year the WA State ITE Chapter created two $1,000 scholarships for graduating high school seniors interested in the transportation profession in addition to an increased $2,000 undergraduate scholarship. Please share with any students you know that may be interested in the field and act fast as these are due April 14th.

STUDENT NIGHT COMPETITION & SCHOLARSHIP AWARDS BANQUET: **TUESDAY MAY 9, 2017**

Mark your calendars for Tuesday May 9th and plan on attending the annual WA State ITE sponsored student night competition and scholarship awards banquets. $5,000 in scholarships and prizes will be awarded at the event. Please sign-up, sponsor, and support the next generation transportation professionals. See website for registration details.

Student Activities Committee Chair:
Pablo Para PE PTOE, PH Consulting LLC – (253) 203-3134 or pablo@phtraffic.com

2017 ITE Washington

Dates are subject to change. Watch future newsletters for details and events.

TUESDAY, APRIL 11 ~ ALL THINGS SPEED CONSIDERED

This presentation explores the institutional processes established for setting speed limits, and breaks down some of the science behind the practice. Questions about the continued relevance and logic behind using the Operating Speed Method are raised, and other methods for establishing speed limits will be presented. Finally, changes to WSDOT's design speed selection using a Target Speed Approach will be highlighted, and the implications of that approach related to current methods for setting speed limits are explored.

Speaker: Andrew Beagle, PE, *Practical Solutions and Multimodal Policy Engineer, Washington State Department of Transportation*

Andrew has worked for WSDOT since 2004, gaining experience in project design and management for everything from small preservation projects to mega-projects. As lead author of the WSDOT's 2015 *Design Manual* Update, Andrew help to shift design policy away from strict design standards toward a flexible context sensitive and performance-based practical solutions approach. Most recently, Andrew has been working to develop and deliver multimodal training throughout Washington State.

Date: Tuesday, April 11th, 2017

Time: 11:30-2:00PM

Venue: Dumas Bay Centre
3200 SW Dash Point Rd
Federal Way, WA. 98023

Parking: Free

Menu: Meat Lasagna, Thai Green Curry with Chicken, Rice, Caesar Salad, Garlic Bread, Brownies, Fresh Fruit, Lemonade & Iced Tea

Cost: $30 ITE-members, $35 Non-ITE-members, $15 Students

Registration: https://ite_wa_april.eventbrite.com

2017 ITE Washington

Dates are subject to change. Watch future newsletters for details and events.

Future Dates:

APR 11 ..... ITE Business Meeting (Speed Limits in Washington State presented by Andrew Beagle, WSDOT. [Location TBD]

MAY 09 ..... ITE Student Night Competition [5:30pm-8:00pm]– Ivar's Salmon House on North Lake Union. This is an evening awards dinner.

JUN 14 .....ITE Annual Golf Tournament/Scholarship Foundation – Oakbrook Golf Course, Lakewood

JUN 22 .....Annual Meeting [Time and Location TBD]

2017 ITE WA Partner Events

APR 10-13.....APWA-Oregon Chapter, Seaside, OR
APR 25-27.....APWA Washington Chapter, Tacoma WA
MAY 19.....Oregon ITE-Oregon Traffic Control Devices Committee Meeting [Location, TBD]
JUN 18-21.....WesternITE Annual Meeting, San Diego, CA
JUL 30-AUG 02 ...ITE International Annual Meeting, Toronto, Ontario Canada

ITE-WA Membership

Renew or become an ITE-Washington Section Member and enjoy connecting with others in our industry. Personal interaction, growth, discussions, interesting topics and social events make the membership worthwhile.

westernite.org/Sections/washington

Wise Tales: Humorous Road Signs to Prevent Distracted Driving

by California Casualty | Apr 5, 2016

You're driving along, paying attention to the traffic around you when suddenly a sight catches your eyes. Could that be what it seems to be? You look again and yes, it's an electric road sign with a catchy or humorous message.

April is National Distracted Driving Awareness Month. In 2014, more than 3,100 people died and 431,000 were injured in motor vehicle crashes involving distracted drivers. Research finds drivers 15-19 years old were involved in the greatest number of distracted driving crashes, but more and more adults are also using technology behind the wheel.

While it's a serious problem, some states are using funny or out-of-the-box messaging to discourage dangerous and distracted driving.

2017 ITE International Vice President Candidates

2017 Candidates for ITE International Vice President

Ken Ackeret, P.E., PTOE, Ph.D.

Principal, Kimley-Horn and Associates, Inc., Las Vegas, NV, USA
Ken4ite.org ken.ackeret@kimley-horn.com

Volunteers Moving ITE Forward

I am passionate about our ITE members who volunteer for the success of our profession. They are the backbone of the ITE Community and ensure the sustainability, visibility, strength, and growth of our organization. With my strong focus on volunteerism, backed by my 30+ years of active ITE membership, together we will Move ITE Forward as a leader in the global transportation community. I will support and encourage our volunteer efforts to be focused on the four cornerstones of ITE—***Recognized, Relevant, Value-added, Connected.***

I have been fortunate to serve at all levels of ITE leadership including, Western District Technical Chair and President, International Director, and Traffic Bowl Chair and Transportation Professional Certification Board Chair. This experience has given me the knowledge, ability, and excitement to effectively work with our volunteers to ensure we are:

- ***Recognized as leaders in the transportation community***
- ***Focused on work relevant to our profession***
- ***Adding value to our members and the profession***
- ***Connecting globally to strengthen our worldwide community***

As a principal at Kimley-Horn for 25 years, I have brought diverse groups together to work toward common goals by applying my unique blend of academic and applied transportation knowledge. This experience will serve as my foundation to ensure our volunteers at all levels are working to Move ITE Forward.

In addition to my ITE volunteerism, my community volunteerism includes serving as Scoutmaster with Boy Scout-Wood Badge, Leadership Las Vegas, and Corvette Club President to name a few. As your International Vice President, I will be a servant leader to our diverse volunteers and will successfully implement plans, programs, and ideas at the international level to ensure that ITE grows as a leader in the global transportation community. Thank you for your support.

Bruce Belmore, P.Eng., PTOE, AVS, FITE

Western Canada Transportation Planning Manager, WSP Group, Regina, SK, Canada
bruceb4ite@gmail.com | www.bruceb4ite.com | connect:

Who am I? I am a **devoted transportation professional** with over 25 years of experience and **passionate about ITE**. I have served ITE at the Section, District, and International levels. My involvement includes recently completing a three-year term on the International Board of Direction. Further, I give back to the engineering community as an adjunct professor at the University of Regina. I intend to **build upon the hard work and initiatives already started**, and **continue to develop ITE as a leading organization** in operating and delivering services to members.

Goals:

1. **Communication** – we need to reflect how members like to communicate and receive information today. Whether it's through the ITE Community, social media platforms, or cloud-based document sharing, we need to **ensure that information is timely, relevant, and readily accessible** by our members.
2. **Collaboration** – we need to **work more closely with other transportation organizations**. By sharing knowledge and resources, we can produce technical reference documents faster, at a shared cost, and with full recognition of our members' contributions.
3. **Knowledge** – we also need to **streamline the approval and release of technical documents** so that valuable resource materials are in our members' hands quicker.
4. **Growth** – we need to **grow our membership to remain a healthy, vibrant organization**. Key to this growth and our long term stability is developing new student chapters and encouraging highly active sections. We also need to start new sections outside of North America where there is growing interest in ITE membership.
5. **Member development** – we need to **develop the skills of members, including technical skills, soft skills, and leadership skills**. We need well-rounded transportation professionals in our industry; ITE can lead in the growth of members' skills.

I have the **desire to see ITE grow and succeed**. Simply, **I have something to contribute**.

ITE Terry Gibson Golf Classic

ITE Terry Gibson Golf Classic
Oakbrook Golf Club

Gibson Classic #29
Oakbrook Golf Club – Lakewood, WA
Wednesday, June 14th, 2017, 9am Shotgun Start
$80/player ($320 team of 4)
Mark Poch and Darcy Akers – Tournament Chairs

Continuing our tradition of getting the golfing faithful of the ITE out to new golf courses, this year's Classic will be heading to picturesque Oakbrook Golf Club. Built in 1966, Oakbrook spent most of its life as a private course before opening their doors to the public in 2012. And they don't call it Oakbrook for nothing! With hundreds of oak trees, and some of the best greens south of Seattle, Oakbrook will make a fantastic venue for our 29th Gibson Classic.

Our tournament will have a shotgun start at 9am on Wednesday, June 14th, 2017, and will feature the popular "scramble" format. **Please check in no later than 8:30am.** Registration for this event will be only **$80 per person (due May 19th)**, and will include use of the range, power cart, competition prizes, raffle, drink tickets, and BBQ after the round. So be sure to be a part of our famous day of golf, food, and fun!

New this year: Online Payment! Register and pay either individually or for a team at: https://ite_terrygibsonclassic.eventbrite.com . Payment by check still accepted – please mail payment and registration form to Darcy Akers (see next page from more details).

Questions? Call or email Darcy Akers (425.452.6140, dakers@bellevuewa.gov). If you are not able to pay by the date above, please make arrangements with Darcy. And remember, 2 players from each team must be ITE members (call Darcy for exceptions). Single golfers or couples are definitely welcome as we usually have a couple teams with less than 4 players that we can match you with.

Please leave yourself plenty of time to get to the course. We have unlimited use of the practice facility prior to the shotgun start, so come early, warm up, and catch up with friends and colleagues. For more information on Oakbrook and to get directions, visit their website at http://www.oakbrookgolfclub.com/.

ITE Terry Gibson Golf Classic

Mark Poch and Darcy Akers – Tournament Chairs

Mail-In Registration Form

Oakbrook Golf Club – Lakewood, WA
Wednesday, June 14th, 2017 – 9am Shotgun Start

Team Name/Firm/Agency _____

Names & emails for you and any other players in your group:

_____

_____

_____

_____

_____ Check enclosed for myself/others ($80 per person)
_____ Check enclosed for entire 4 person team ($320)
(Payment deadline is **Friday May 19th**, make check to "ITE - Washington Section")

Teams – The Executive Board has requested that 2 or more team players be ITE members and/or registered for the June Annual Mtg, call Darcy for exceptions – thanks!

Cost - $80 per person, $320 per team. Includes range balls, golf, power cart, drink tickets, prizes, and BBQ after the round.

Sponsors - We need you! Please contact Darcy Akers (dakers@bellevuewa.gov, 425.452.6140) about sponsoring this year's Gibson Classic!

Format – Popular "Scramble" format, each player hits/putts best ball from tee to green.

Awards – ITE traveling trophy to team with low score. Special hole competitions (kp/long drive). Lots of great raffle prizes!!

Defending Champions – Team Bellevue

Please mail registration form/payment to:

Attn: Darcy Akers
City of Bellevue – Transportation Dept.
PO Box 90012
Bellevue, WA 98009

Washington Transportation Professionals Forum (WTPF) Live Webinar Available

The Washington Transportation Professionals Forum (WTPF) is a member-owned group of local agency traffic, transportation, and public works engineers, planners, technicians, supervisors, managers, directors, mayors, clerks, council members, and related professionals. Partners of local agencies such as other organizations, consultants, and vendors are also members of the group. Members share information and discuss ideas about traffic-and transportation-related issues at free meetings, through a free email distribution list, and through strong resulting connections in the professional community.

WTPF holds free meetings that are organized and led by WSDOT Local Programs, with help from local agencies. Meetings are held live on both sides of the state and are available by live webinar to allow an exchange of ideas across Washington..

http://www.wsdot.wa.gov/LocalPrograms/Traffic/WTPF.htm

Washington State Dept. of Transportation's Local Technical Assistance Program (LTAP)

LTAP Training Program provides local agencies access to relevant training opportunities. LTAP sponsors its own courses, directly targeting the training needs of local agencies receiving Federal funding, as well as gathering information about other valuable training.

Courses that are conducted by LTAP are specifically designed to help educate Washington State local agencies working with the Local Programs office and who are receiving Federal funds.

http://www.wsdot.wa.gov/LocalPrograms/Training

2017 STUDENT SCHOLARSHIPS APPLICATIONS AVAILABLE

(DUE APRIL 14)

NEW!

- **TWO $1000** High School Senior Scholarships
- **ONE $2,000** Undergraduate Scholarship

Submit applications to:

Student Committee Chairman
Pablo Para, PE, PTOE - Principal,
PH Consulting, LLC
pablo@phtraffic.com

Save the Date! June 14th

29th Annual ITE Terry Gibson Golf Classic

The 29th Annual ITE Terry Gibson Golf Classic will be held the morning of Wednesday June 14th at the picturesque Oakbrook Golf Club in Lakewood, WA.

Registration will open soon so gather your team! If you have questions, please contact Darcy Akers at dakers@bellevuewa.gov.

New this year: online payment option!

Network within our ITE Professional Membership any career opportunities for your firm. Send information to the ITE Newsletter Editor, Ed Aristo, earisto@seataclighting.com

Transportation Manager
Auburn, WA

The City of Auburn This is professional-level, technical engineering, and senior management work within the Community Development and Public Works Department.

https://www.governmentjobs.com/careers/auburn?page=2

Senior Transportation Engineer
Portland, Oregon

Sr. Transportation Engineer - Project Manager ($130-150k+bonus+path to ownership / Portland, OR / Willing to Relocate)

Here's your opportunity to lead a team and leave your thumbprint on an organization. Murray, Smith & Associates (HQ in Portland, 8 offices throughout the PNW) is currently seeking someone with 15-25 years experience to lead their Transportation group. Transportation continues to be the most significant growth area of the multi-facited firm. This employee-owned firm has an excellent reputation and consistent growth trajectory. You'll find MSA is "just the right size" - large enough to employ diverse talent to solve our clients' biggest challenges, yet small enough to genuinely care and adapt to our clients' needs.

MSA has engaged MARTIN Search Partners. To apply, for more information or to view the formal job description please email Managing Partner Eric Martin at eric@martinsearchpartners.com.

All inquiries are strictly CONFIDENTIAL.

Engineering & ITS Positions
Transpo Group

Transpo Group is looking for a Transportation Engineers and a ITS Market Leader who would like to join our team. Transpo Group is an award-winning planning and design firm specializing in transportation planning, traffic engineering and ITS. If you have a passion for excellence in this industry and are looking for a place to influence and lead exciting and challenging projects, Transpo Group wants to hear from you. To view the details for these roles please visit our Careers webpage at http://www.transpogroup.com/jobs.html.

Job Title	Location
CAD-GIS Technician	Kirkland, WA
Internship	Kirkland, WA
ITS Market Leader	Kirkland, WA
New College Grads	Kirkland, WA
Senior ITS Transportation Engineer	Kirkland, WA
Senior Transportation Engineer	Kirkland, WA
Sr. Active Transportation Engineer	Kirkland, WA
Transportation Engineer (L-3)	Kirkland, WA
Transportation Planner (L-2)	Kirkland, WA
Transportation Planner (L-3)	Kirkland, WA

ENGINEERING CAREERS

Work that you will be proud of achieving. Unlike taking up a role in the financial world, the thing with being an engineer is that most of the work you do are tangible – bridges, buildings, signalization, illumination, roadways, etc. These are things you can see everyday once they're done. The pride of being part of something great would bring you the job satisfaction you need to keep going.

Network within our ITE Professional Membership any career opportunities for your firm. Send information to the ITE Newsletter Editor, Ed Aristo, earisto@seataclighting.com

Perteet
Everett , WA

Perteet is an experienced and award-winning infrastructure consulting firm dedicated to enhancing the quality of life in our communities. For over 28 years, we've been partnering with public agencies to help keep cities and towns moving forward in Washington State and beyond.

To view the details for these roles please visit our Careers webpage: http://www.perteet.com/current-opportunities

Job Title
Engineering CAD Technician
Resident Engineer
Construction Observer

DKS -Seattle
Engineering Positions

DKS is looking for a Transportation Professionals IN Seattle and other locations. To view the details for these roles please visit our Careers webpage: https://www.dksassociates.com/careers

Job Title	Location
Transportation Planning Project Manager	Seattle, WA
Traffic Operations Engineer	Seattle, WA
Transportation Engineer in Training (EIT)	Seattle, WA
Transportation Engineering Intern	Seattle, WA

Gray & Osborn Inc.
Washington

If you are interested in pursuing a career with Gray & Osborne Inc, please select a job position below for more information. To view the details for these roles please visit our Careers webpage: http://grayandosborne.net/current_employment.php

Job Title	Location
AutoCad Design Technician	Seattle, WA
Mechanical/Civil Engineer	Seattle, WA
Civil Engineer	Wenatchee, WA
Senior Civil Engineer	Wenatchee, WA
Civil Engineer	Yakima, WA

Fehr and Peers
Washington and Other Locations

If you are interested in pursuing a career with Fehr and Peers, please select a job position below for more information. To view the details for these roles please visit our Careers webpage: http://www.fehrandpeers.com/careers

Job Title	Location
Transportation Analyst/Enthusiast	Multiple Locations
Engineer/Planner [Senior-level]	Multiple Locations
Engineer/Planner [Mid-level]	Multiple Locations
Engineer/Planner [Entry-level]	Multiple Locations

DCI Engineers, Inc.
Seattle, Washington

Diverse cultural opportunities. World-renowned businesses and the opportunities they afford. Beautiful scenery. Exhilarating outdoor activities. Working in a thriving, fast-paced downtown area. To view the details for these roles please visit our Careers webpage:

http://www.dci-engineers.com/location/seattle-washington

Job Title	Location
Structural Project Engineer	Seattle, WA
Civil CAD Designer	Seattle, WA
Civil Engineer	Seattle, WA
Structural CAD Designer	Seattle, WA

Assistant Traffic Engineer
Kennewick, WA

The City of Kennewick has an opening for the position of Assistant Traffic Engineer.

Essential duties will include:

- Traffic Signal System Management
- Transportation Development Review & Planning
- Traffic Studies & Analysis
- Management of Transportation Projects
- Maintenance of City Traffic Division Standards and Specifications

For further information please view the job posting here: https://www.governmentjobs.com/careers/kennewick/jobs/1626382/assistant-traffic-engineer

SR 162 – Puyallup River Bridge- History

http://www.wsdot.wa.gov/projects/sr162/puyallupriverbridge/history.htm

The McMillin Bridge in Pierce County might seem like an odd-shaped structutre to those who drive SR 162 and cross the Puyallup River on occasion. It is at that.

This bridge is truly unique. It is the only one of its type known in the world.

The McMillin Bridge was built in 1934, replacing a steel span that had been washed out by the flooding river the year before. Due to the economic conditions of the time, a concrete design was chosen over steel.

This design, which is unusual because it combines concrete with the half-through truss, also reduced overall maintenance costs. It also put the McMillin Bridge on the map in more ways than one.

The bridge was added to the National Register of Historic Places in 1982 and is in the Library of Congress' Historic American Engineering Record.

The main span of the half-through truss bridge is 170 feet long, making it the longest beam span or concrete truss in the United States when it was constructed.

The 75-year-old bridge has reached the end of its useful lifespan and a new, wider bridge is being designed downstream to accommodate present and future traffic loads on SR 162.

Because the McMillin Bridge is included in the National Register, WSDOT is consulting with the Department of Archaeology and Historic Preservation (DAHP) regarding the future of the bridge.

Options being reviewed include rerouting the nearby Foothills Trail onto the McMillin Bridge, adding another segment to the Foothills Trail that utilizes the McMillin Bridge, leaving the bridge in place as a historical monument for interpretive purposes, or removing it in its entirety.

Additionally, the public is being invited to comment on this project. Find out more...

Read the Historical American Engineering Report on the SR 162 Puyallup River Bridge View historical photos of the bridge

INTERIOR OF FORMWORK WITHIN CONCRETE TRUSS LOOKING NORTH

~ See Puyallup River Bridge Next Page

Puyallup River Bridge ~ continued

Who conceived the idea of the McMillin Bridge?

Adding to the uniqueness of the SR 162 Puyallup River Bridge is the man who came up with the idea for its construction -- Homer M. Hadley.

Hadley was perhaps Washington's most innovative bridge engineer. A structural engineer for the Portland Cement Association, he is credited with the idea of building a floating concrete bridge across Lake Washington. (The newest floating bridge there bears his name.) He conceived the McMillin Bridge design in part to demonstrate the versatility of concrete.

Homer M. Hadley
Portland Cement Association

The W.H. Witt Company of Seattle prepared the construction documents that were executed by the general contractor Dolph Jones of Tacoma. The project was supervised by Pierce County engineer W.E. Berry and his successor Forest R. Easterday.

NORTH PORTAL LOOKING SE - McMillin Bridge, Spanning Puyallup River at State Route 162, McMillin, Pierce County, WA

OBLIQUE VIEW FROM SOUTHWEST

EAST SIDE OF BRIDGE TRUSS LOOKING SE

APRIL 2017

M P V O S O S N G N F G P R X R E A C T I O N T I M E U P U
J E F B P P P N K M O L C Q T S T O T K P L Z Q T R O B Y M
B Y P W B O E N L P J K L L Z E E Q H N T I L M E A H P V D
E P S N F J T E I Q V G L D A F L W T S X J A H Y X E Z C Q
Z T U M H J W C D K K Y F I G S E L D A W F H Z Z H P K D C
V O R M U B G O A L A E S W T K S E Q E W L W R P P H T W J
C N V X H L V W Q B I L D Q Z U J I T P R S A T P R M B U N
X Y Y B Q Z T D E D G M G M M F P R F U O B T T O Q R C N U
N E I W D Z A I K V K U I M Y U R J I I Z A T R X I N R U P
R R N I E I C M M A T T F T R V P K G Q C Q M Z K K P H V M
N W W B J H T I C O V I F D Z R U O O S H A V J N W A Q U Y
C V S K I S N E L Q D N Q R Y K G H L Q S D T T O F S C I E
X Z U N N T T E P Q J A S P N X S R F A P K H I Q M N R P U
B L R L U G V A O R M I L X G N V I C F N M Q H O A D G L N
I R D H N X D C R Q O D L P N U S H L R H K G K W N P A A D
C H W T J E B T O G F F C S A D Y I A V M N N C N Q X Y N Y
Y E K X T P R Q X A U G E H T J N D S I U S O I B D E O N S
C J A B K Y T A C C K I O S I U W D S H N U H R D K V K I S
L I I D A C R V B Q L B D K S H D Z I X P H J F F H Y K N A
I N W T W G A V U L Y P R E M I E E C N A X U E P R T I G D
S N T T R L F H V R E O Y O J S O S N Y Q O O M R S C X N N
T G W F T M F H X S I E Z N O H U N J T H K D F I T X B L W
X Q G N S G I L D N D L Q B X K K K A P I L J A D F Z F Q X
V T N I K B C Y K H F G K C N C S K G L A R X I E X C Q H D
F K X L Z X S K I M F G E P C Q Q E V H R N O H A R Y T N V
F U Y Z O O A I Z D V P Q C A I S C Q I K T H W T F B L B S
Y H N G Z X F G H D T V Q W Q A T C G L P M O X N N Y W S G
A L J W F T E V N J P G W H C Z G N Z X V K N I S Y R K I L
V I S F C U T A K L T Q G S G Q C D C Y N L J L D D P J G S
P J M H S F Y F F M O X L G F I Q A C C E L E R A T E M D B

CLASSIFICATION
REACTION TIME
STAR GUIDE
GOLF CLASSIC
SPEED LIMIT
BICYCLIST
ITE PROFESSIONAL
OAKBROOK
MULTIMODAL
TRAFFIC SAFETY
PLANNING
PRIDE
ACCELERATE
VULNERABLE
STUDENT

CrossWalks Answer Key found in the advertiser section

IMPORTANT INFORMATION FOR ITE-WASHINGTON SUPPORT ADVERTISERS

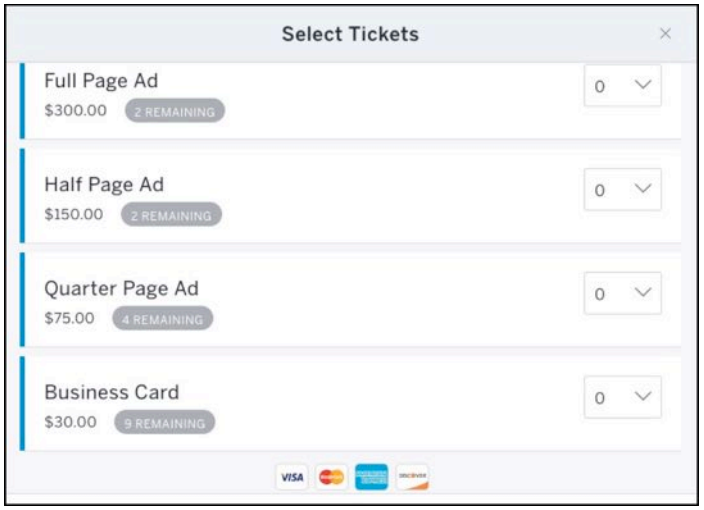
Current advertisers should of received the below email notice.

Subject: 2017 Washington ITE - Newsletter Advertisement Renewals

Dear ITE Newsletter Advertisers,

We are bringing our advertisement accounts current and collecting payment for 2017 advertising. We have pro-rated the advertising amounts based on having ten issues of the newsletter in a typical year. In order to run your ad for the remainder of 2017, please click select your ad size and complete the payment process through Eventbrite. We are requesting that all payments and advertisement image files be submitted by **the April 30th, 2017** for subscription to our 2017 newsletter. If you would like to re-use your old image, there is no need to re-submit your image file. The number of advertisement types are subject to availability as indicated on the web-link. As current advertisers, we will be providing your company with the first opportunity to continue your subscription. **After April 7th**, we will open advertising opportunities to other companies that are members of ITE Washington. Thank you for your interest in advertising in ITE's monthly newsletters and supporting our chapter.

2017 Rates



To update your advertisement, please email your image in JPG, PNG, or TIF file format to Ed Aristo, Newsletter Editor (itewaeditor@gmail.com).

LINK TO 2017 SUBSCRIPTION: HTTPS://ITEWA_NEWSLETTER_ADS.EVENTBRITE.COM

WASHINGTON STATE
INSTITUTE OF TRANSPORTATION ENGINEERS

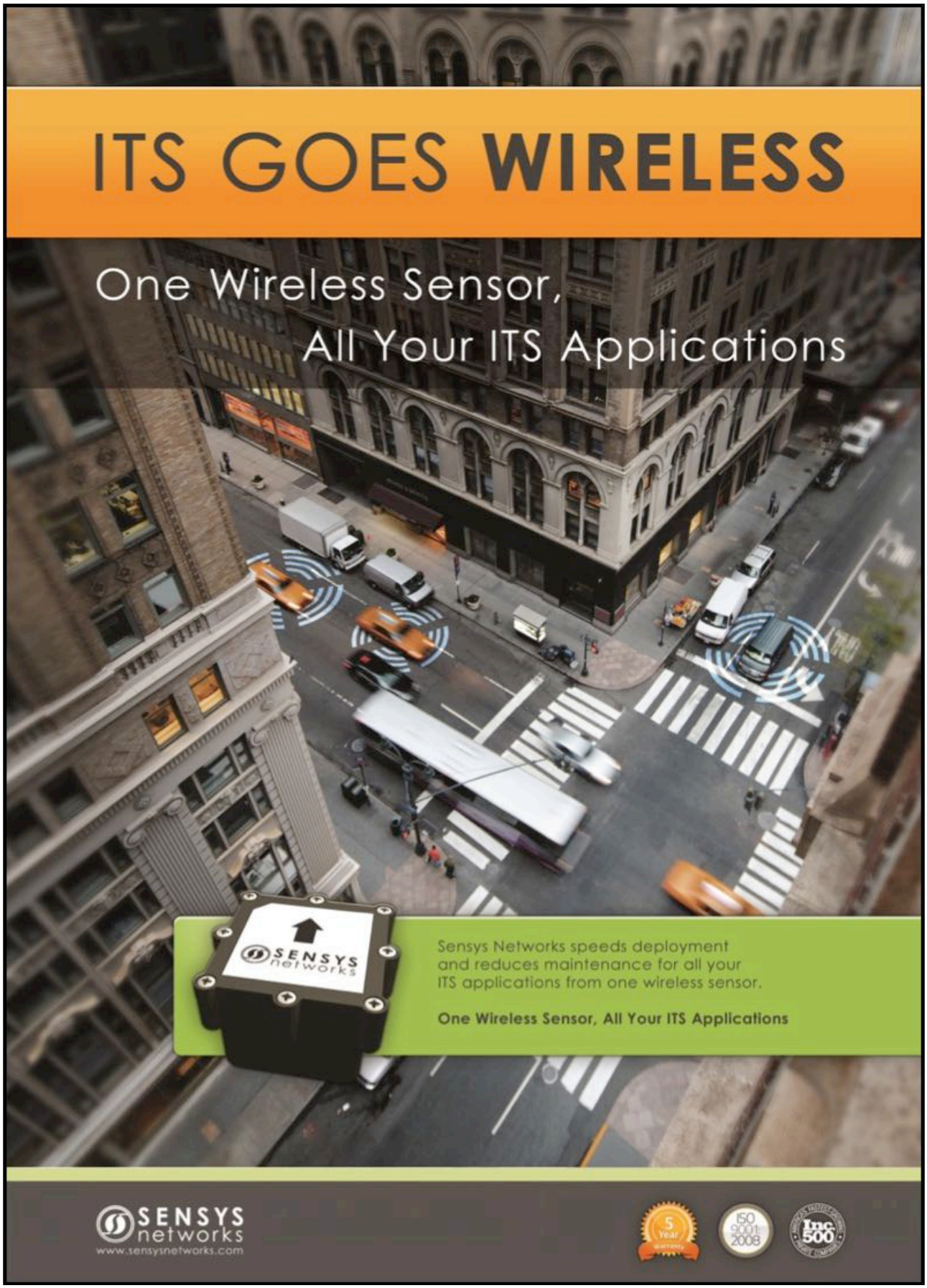
ILLUMINATION, CONTROLS & POLE SOLUTIONS

SMART OFF GRID SOLUTIONS

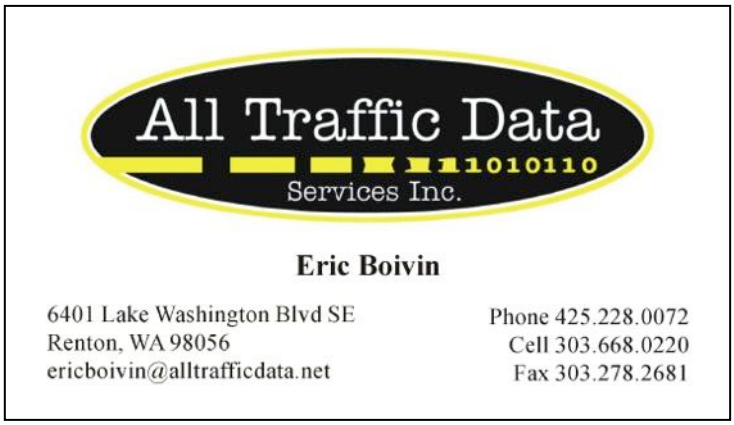
CONTROLS

LED LUMINAIRES & POLES

Sea-Tac Lighting & Controls, LLC ROADWAY DIVISION 206.575.6865 www.seataclighting.com


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

Innovative Traffic Solutions
ADVANCED TRAFFIC PRODUCTS INC.
(425)347-6208 Fax (425)347-6308
Edie@advancedtraffic.com ♦ www.advancedtraffic.com
1122 Industry Street, Building A, Everett, WA 98203


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

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

FEHR PEERS
1001 – 4th Avenue, Suite 4120
Seattle, WA 98154
Ph. 206.576.4220
www.fehrandpeers.com
Multi-Modal Transportation
Travel Demand Forecasting
Traffic Operations
Sustainable Transportation
Bicycle & Pedestrian Planning
Transit Planning
Impact Fees & Concurrency

we understand
your data needs
idax
DATA SOLUTIONS
www.idaxdata.com
• Accurate and reliable data
• Highly responsive service
• Customized solutions
Mark Skaggs • 425.250.0777 • mark.skaggs@idaxdata.com

LaneLight.com
1.866.466.4836
CROSSWALKS
STOP BARS
GRADE RAIL
CURVES
TUNNELS
Saving Lives
Since 2000
5 YEAR WARRANTY

KPG
Interdisciplinary Design
Seattle 206 267 1033
Tacoma 253 344 5261
Wenatchee 509 663 2711
Traffic Engineering
Transportation Planning
Sustainable Transportation Solutions
Signal, Illumination, & ITS Design
Transit Planning & Design
Non-Motorized Planning & Design

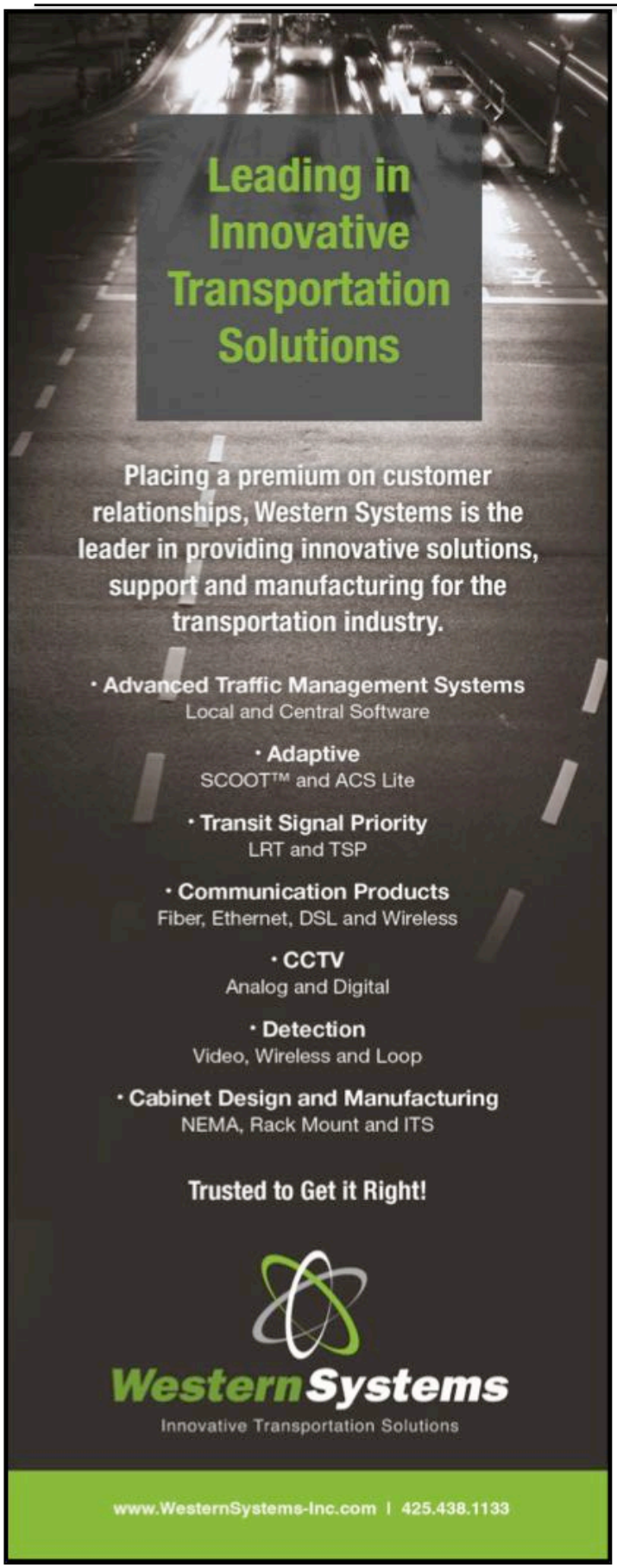
National Data and Surveying Services
Data Collection You Can Count On | www.ndsdata.com
Brian Nichols
Northwest Regional Manager
O (425) 250-6827
M (916) 847-6270
brian@ndsdata.com
NDS
National Data & Surveying Services

CrossWalks Solution

PERTEET
Better communities, by design

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

Wireless Monitoring and Programming!
ITS Devices now on Washington State Contract
Schedule Your Free Demonstration Today!
TRAFFIC SAFETY SUPPLY COMPANY
2324 S.E. Umatilla St Portland, OR 97202
800-547-8518 503-235-8531
www.tssco.com
Safe Routes to School
Pedestrian Crosswalk Safety Enhancements
Neighborhood Traffic Calming
HSIP Eligible
Safe Routes for Rural Roads
WRONG WAY
SCHOOL SPEED LIMIT 20 WHEN FLASHING
YOUR SPEED 30



ite

REACH OUT AND SUPPORT

ITE-WASHINGTON.

PLACE YOUR AD HERE!

ITE-WA Section Board 2015-2016 & Volunteers

President

Paul Cho, P.E., PTOE
Traffic Operations Engineer
City of Redmond
P.O. Box 97010
Redmond, WA 98073-9710
425-556-2751
pcho@redmond.gov

Vice President & Treasurer –
Mike Hendrix, P.E., PTOE Project Manager
Perteet
505 5th Ave. S., Suite 300
Seattle, WA 98104
206-436-0515
mhendrix@perteet.com

Secretary

Daniel Lai, P.E.
Senior ITS Engineer
City of Bellevue
Transportation Department
PO Box 90012
Bellevue, WA 98009
425.452.6178
dlai@bellevuewa.gov

Immediate Past President

Carter Danne, P.E., PTOE
Associate Civil Engineer
City of Seattle
P.O. Box 34996
Seattle, WA 98124
206-684-0817
carter.danne@seattle.gov

Scribes
Darcy Akers - ITS Engineer, City of Bellevue

ITE Hospitality Chair
Carla Nasr – President, Traffic Data Gathering

Website
James Le, PE – Senior Civil Engineer, Seattle DOT

Student Committee Chairman
Pablo Para, PE, PTOE - Principal, PH Consulting, LLC
Pablo@phtraffic.com

Newsletter Advertisements

Ads run from January through December. The cost of ads submitted during the year will be prorated. Email graphics in jpg, png, or tif file format to:

Ed Aristo, Newsletter Editor
itewaeditor@gmail.com

Send a check made out to "Institute of Transportation Engineers" for the ad size you desire to: Mike Hendrix, ITE WA Vice President/Treasurer at the above address. Please call Mike Hendrix at the above phone number to instead pay using our square card reader or PayPal.

2016 Annual Advertising Rates

Business Card Ad $100
Quarter Page Ad $250
Half Page Ad $500
Full Page Ad.....$1000

Newsletter Contact Information

Please let us know if your contact information changes so that you continue to receive monthly ITE WA announcements and newsletters by email. To update your information, click on the Membership tab on the ITE WA website: http://www.westernite.org/Sections/washington/index.htm.

Newsletter Comments and Article Submissions

If you have comments about this newsletter or have an interesting announcement, topic, or project to share, please contact Ed Aristo, Newsletter Editor itewaeditor@gmail.com. **Articles must be received by the third Thursday of the month to be considered for publishing in the next issue.**

ITE WA Website

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

Follow Us on Twitter! @ITE_Washington