WASHINGTON STATE INSTITUTE OF TRANSPORTATION ENGINEERS

ITE Newsletter

Washington's community of transportation professionals

JUNE 2018

VOL. 28 | ISSUE 5

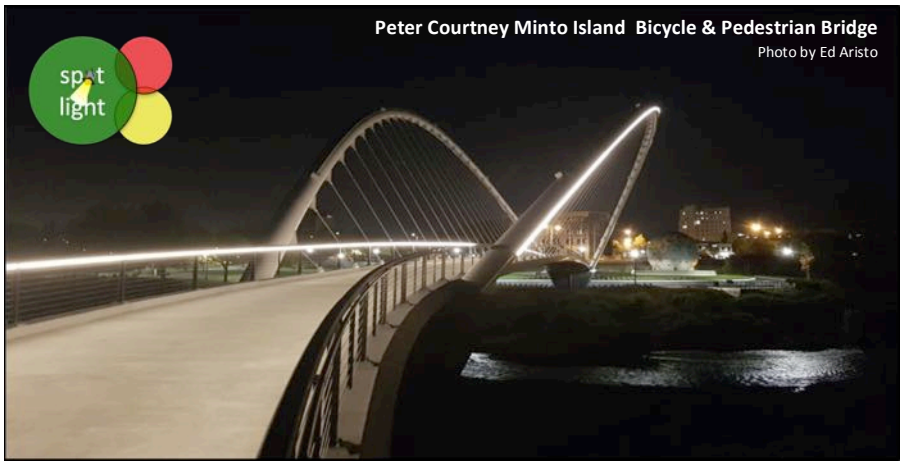
ITE 2018 ANNUAL MEETING & ELECTIONS

WEDNESDAY, JUNE 13

11:30 AM - 1:30PM

SEE PAGE 5 FOR REGISTRATION DETAILS

30th Annual ITE Terry Gibson Golf Classic



departments

2 Treasurer Report
2 Secretary Report
3 Student Corner
4 Scribe Report

inside ite

2 ITE-WA Section Officers
3 Newsletter/Advertising Information
3 Remembering - Professor G. Scott Rutherford
4 Student Night
5 ITE Terry Gibson Golf Classic
6 ITE Section Annual Meeting
6 ITE Event Calendar
7 Section Candidates for Secretary
8-9 SpotLight on Minto Island Bridge

training/careers

10 Training
10 Careers @ wa-ite.org

inside our industry

2 Wise Tales
10 Sign of the Times
11 ITE Support Sponsor Ads

ITE SUPPORT SPONSORS

ALL TRAFFIC DATA
CONCORD ENGINEERING
FEHR & PEERS
IDAX DATA SOLUTIONS
KPG INTERDISCIPLINARY DESIGN
LANE LIGHT
PERTEET
SENSYS NETWORKS
SEA-TAC LIGHTING & CONTROLS
TRAFFIC DATA GATHERING
TRAFFIC SAFETY SUPPLY COMPANY
WESTERN SYSTEMS

| vice-president / treasurer's report

Mike Hendrix, PE, PTOE
ITE Washington President

Daniel Lai, PE
Vice-President/Treasurer

Believe it or not, it has been over a year since ITE Washington started implementing Eventbrite as our primary payment platform for monthly events, conferences, dues and sponsorships. Eventbrite replaced our use of Square and PayPal services, which helped to consolidate our payment methods. While Eventbrite charges a 2.5% fee, similar to Square and PayPal, for every ticket sold, moving in this direction has saved countless volunteer hours and allows ITE Washington track expenditures and income in a more streamlined way. Because of this, we now have over a year worth of detailed information on meeting attendance, income and expenditures. The next ITE newsletter will feature an annual financial report to share this information with ITE members. Stay tuned for more.

WASHINGTON BOARD OF DIRECTION

President
Mike Hendrix, PE, PTOE
Project Manager, Perteet
Seattle, Washington

Vice President/Treasurer
Daniel Lai, PE
Senior ITS Engineer, City of Bellevue
Bellevue, Washington

Secretary
Claudia S. Hirschey, PE
Owner, Transportation Consultant Services
Newcastle, Washington

Immediate Past President
Paul Cho, PE, PTOE
Traffic Operations Engineer, City of Redmond
Redmond, Washington

Student Committee Chair
Pablo Para, PE, PTOE,
President, PH Consulting, LLC
Tacoma, Washington

ITE/IMSA Meeting Chair
Carter Danne PE,
Associate Civil Engineer, SDOT
Seattle, Washington

Scribe
Darcy Akers
ITS Engineer, City of Bellevue
Bellevue, Washington

ITE Hospitality Chair
Carla Nasr
President, Traffic Data Gathering
Lake Stevens, Washington

Membership
Jan Ciganik, PE
Senior Traffic Engineer, KPG Interdisciplinary Design - Seattle, Washington

Website
Sherief Elbassuoni, PH.D., P.E.
Associate Transportation Engineer
DKS Associates - Seattle, Washington
&
James Le, PE
Senior Civil Engineer, Seattle DOT
Seattle, Washington

| secretary's message

Greetings! I sure am looking forward to the upcoming events with our ITE chapter and in Keystone, Colorado!

For our annual meeting we are preparing an update of our ITE Washington Bylaws. The Executive Board will notify the membership of the proposed bylaws changes in advance of our annual meeting in June. That is all for now. See you soon.

Claudia S. Hirschey

Claudia S. Hirschey, P.E.
ITE Secretary

Wise Tales

I'm an

~~Eginere~~

~~Engenere~~

~~Engeneer~~

I'm good with Math

SpotLight is a new series highlighting ITE Washington Member Projects. Each ITE Newsletter Edition will present selected submissions

Mission Statement explaining the projects objective.

Project Narrative to explain the proposed activities for the project.

Abstract describing the crucial aspects of the project

Submit all articles to Newsletter Editor itewaeditor@gmail.com. All articles will be reviewed and selected for publishing by the ITE Washington Board of Directors. The author is responsible and assumes all liability in obtaining permissions for publishing the content, photos, names, etc.

2018 Student Scholarships

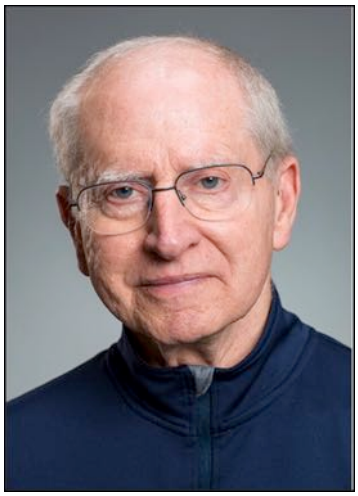
Pablo Para, PE, PTOE
Student Committee Chair

The ITE Washington Section works with Educational Institutions with transportation focus. Students will apply their knowledge of standards and practices using applicable modes to prepare a poster board presentation and 30-minute formal presentation on their concepts. Students will be competing for cash prizes awarded to the top three teams. Additionally, this year's scholarships will be awarded at the end of the evening.

Contact Pablo Para, PE, PTOE [*pablo@phtraffic.com*] for scholarship or corporate sponsorship information.

Remembering Professor George Scott Rutherford

(excerpts from Seattle Times obituary and UW retirement announcement https://www.ce.washington.edu/news/article/2018-02-14/after-36-years-professor-scott-rutherford-retires)



Professor Scott Rutherford

G. Scott Rutherford passed away April 28, 2018 in Seattle. He was 74. Born in Yakima, attended Pullman High School, and Washington State University where he earned his BS ('66) & MS ('67) in Civil Engineering. He earned his PhD in Transportation Systems from Northwestern in 1974 and was a transportation consultant in Washington DC until 1981, when he moved to Seattle with his future wife Mary and joined the UW faculty.

As a professor for 35 years, he inspired many generations of students to find their potential in public transit. In his early days in the department, Rutherford served in a variety of roles, including director of research for the Washington State Department of Transportation and director of the Washington State Transportation Center, which promotes collaborative research by serving as a link between the state, university and private sector. He served as Chair of the UW Civil & Environmental Engineering Department from 2002-6, he implementing the campus-wide U-PASS program, founded a new online master's degree program Master of Sustainable Transportation, directed the Valle Scholarship and Exchange Program for 15 years, and travelled the world observing different transit systems.

Scott received numerous awards including the *ITE Washington Outstanding Service* award in 2003. Scott was raised a Cougar fan, but adopted the Huskies, and rooted for both. He is survived by his wife of 37 years, Mary; sister Mary Ann; son Jeff; daughter, Kati (Sills); & grandson Graydon. Honor for Scott is requested by contributing to the scholarship set up in his name by the Women's Transportation Seminar. His memorial occurred on May 31st with information at celebratescottrut@gmail.com.

EDITORIAL STAFF

ITE Newsletter Editor
Ed Aristo
Spec Sales, Sea-Tac Lighting & Controls
Seattle, Washington

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 our website: **www.wa-ite.org**

Newsletter Comments and Article Submissions

Send comments to 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.

Annual Advertising Rates

business card ad ..... $*
quarter page ad ..... $*
half page ad ..... $*
full page ad ..... $*

**** Ad rates will be published in the November Newsletter.***

Newsletter Advertising

Ads run from January through December.

We will have Notice in November for 2018 advertising thru EventBrite.

Advertising
Elena Bertolucci
Spec Sales, Sea-Tac Lighting & Controls
Seattle, Washington
ebertolucci@seataclighting.com
direct: 425.633.0582

Send Ad graphics in jpg, pdf or tif file format

email: itewaeditor@gmail.com

www.wa-ite.org

Follow Us on Twitter!
@ITE_Washington

Darcy Akers, EIT
ITE Scribe

March 2018 Trivia Night

By Darcy Akers

Usually when you come to an ITE Washington event, you can sit back, listen and enjoy a presentation - no hard work required. But not this month. This March, ITE Washington inaugurated its first Trivia Night!

Do you know where the first traffic signal was installed, what year the MUTCD was first published, or which US airport is the busiest? The questions tested all sorts of random transportation knowledge.

The first two rounds favored the favored those who knew the ins and outs of traffic engineering with "Number and Acronyms" and then "MUTCD and Standards". The third stumped many who weren't as familiar with transit systems. The final round looked back in time with questions about transportation history.

Four teams were formed to battle it out. With 6-8 people on a team, there was a lot of brainpower at work. In the end, it was the team named "Department of Trivia" who pulled off a narrow victory. They used the talents of students and industry professionals to beat out the competition. Best-dressed award went to the Illuminators from Sea-Tac Lighting who coordinated matching T-shirts.

This month's event was a fun opportunity to geek out about transportation. Huge thank you to Sarah Keenan and Claudia Hirschey for organizing the event and Lawrence Guan from WSP for hosting!

Darcy

ITE Washington Members formed teams for the first and hopefully Annual Trivia Night

---

Hi ITE Washington Members,

It's almost here! The ITE Terry Gibson Classic golf tournament will be held Tuesday, June 19th at Willows Run golf course in Redmond. Please see the attached flyer or visit the ITE WA webpage for more information including how to sign up.

Please help us thank this year's sponsors – they make our event fun and affordable year after year:

IDAX data solutions – Lunch

All Traffic Data – Drink Tickets

Western Systems, TransCore ITS & Zumar – Raffle

Advanced Traffic Products – Competition Holes

Prime Electric – Team Prizes

We also will be continuing the tradition of kicking of the day with the group *Fast-Putt Contest* with prizes sponsored by **SeaTac Lighting and Controls**.

We look forward to seeing you as we celebrate our 30th anniversary of the Gibson Classic!

Mark Poch & Darcy Akers

ITE Golf co-chairs

Student's Shine at ITE Competition

This year's ITE Student Night Competition and Scholarship Awards banquet brought together a capacity crowd of professionals, industry representatives, professors, and students from the University of Washington and Seattle University. Three student teams competed in the annual ITE Washington competition to present solutions at the E Marginal Way S / 16th Ave S intersection in Seattle. Students tackled the project by proposing bicycle, pedestrian, freight, auto, and transit improvements. The winning team from the University of Washington Urban Planning program (Anthony DeSimone, David Tomporowski, Qi Chen, and Jonathan Frazier) provided both short and long-term

solutions at the intersection that covered pedestrian way-finding using the existing Boeing tunnel system, bicycle path connectivity, lighting improvements, roadway channelization and traffic signal modifications. They used their knowledge of industry standards, site observations, and AutoCAD drafting background to prepare their poster board and presentation to members.

In addition to the student competition, three student scholarships were presented to the following recipients:

- Ruimin Ke - $2,500 Graduate Student Scholarship
- Emma VanOrden - $1,500 Undergraduate Scholarship
- Xue Xin Xue - $500 High School Scholarship

Congratulations to this year's ITE Student Scholarship winners and we wish them all the best in their pursuit of an engineering program or career.

New this year, ITE Washington offered raffle prizes for two students to attend the upcoming Western ITE Conference in Keystone, Colorado. The two student winners, Christopher Rhodes and Rochelle Starrett (UW Student ITE Chapter President), will get a chance to participate in this year's annual conference and attend the student programs that Western ITE has to offer, including the annual Western District Student Traffic Bowl. Join us at our September ITE Kick-off at Salty's to learn about their experience at the conference and look out for their upcoming ITE newsletter article. Finally, a special thanks to this year's Student Night Sponsors Concord Engineering, Casseday Consulting, DKS Associates, Fehr & Peers, Transpo Group, Transportation Consulting Services, and Smart City Traffic, LLC.

2018 ITE Washington

Dates are subject to change. Check https://wa-ite.org for current information and updates.

ITE Washington Section Annual Meeting & Elections

WEDNESDAY - JUNE 13 | 11:30Am to 1:30PM | Maggiano's Little Italy |10455 NE 8th Street | Bellevue, Washington

Guest Speaker: ITE Washington is also honored to have **ITE International Vice President Randy McCourt** join our annual meeting and provide us with his perspective on the activities of ITE International and share his vision of how ITE can collectively build upon his campaign focus of "enhancing the ITE member experience through networking, partnerships, and technical expertise".

Guest Speaker

Randy McCourt
Vice-President
ITE international

The 2017-2018 ITE Washington fiscal year was a transformative year where our organization focused its efforts on student outreach, membership networking, and modernizing ITE processes.

A few notable milestones from this year include:

- Launch of ITE's new student Western ITE travel subsidy program
- First year where a high school, undergraduate, and graduate level scholarship were all awarded
- Launched ITE WA's inaugural trivia night which brought both industry and academia together
- Hosted the 30th annual ITE Terry Gibson Golf Classic

This year's membership meeting will highlight activities and finances for our organization and plans for the next fiscal year. We will also be honoring key members with awards for their contributions to the organization in the last year in addition to ITE's Outstanding Young Professional and Outstanding Service awards. Please join us at this year's membership meeting to honor these members. **Register at:** **https://2018_ite_wa_membership_mtg.eventbrite.com**

Date	FALL 2018 Events
SEP 11	**ITE Washington Section 2019-20 Kick Off Meeting.....TBD**

2018 ITE Washington Associate Events

JUN 12-14	IMSA-NW Annual Conference	Bellingham, Washington
JUN 24-27	Western ITE Annual Conference	Keystone, Colorado
AUG 20-23	ITE International Annual Meeting and Exhibit	Minneapolis, Minnesota
SEP 30-OCT 03	IES Street & Area Lighting Conference	Orlando, Florida
OCT 02-05	Washington American Public Works Association Fall Conference	Wenatchee, Washington
OCT 16-19	Oregon American Public Works Association Fall Conference	Canyonville, Oregon

ITE WASHINGTON SECTION OFFICE for 2018-2019 SECRETARY

Luka Ukrainczyk

Luka Ukrainczyk is a transportation engineer in the Speed and Reliability group at King County Metro. He focuses on transit signal priority project planning, design, and implementation as well other treatments to improve bus performance. He received a bachelor's degree in civil engineering from UC Davis and a master's degree in transportation engineering from UW. During his graduate studies, he researched freight transportation, was president of the student chapter of ITE, and interned at WSDOT Toll Division. Subsequently, Luka worked at DKS Associates before entering his current role at Metro.

Luka Ukrainczyk
Transportation Engineer
King County Metro

I am honored to be nominated for Secretary in the Washington chapter of ITE. ITE was a formative part of my education and professional life. I greatly enjoyed organizing and participating in activities such as Traffic Bowl and the Student Leadership conferences. My vision for ITE includes furthering engagement with the student chapters in Washington and organizing informal events like happy hours and networking lunches. I would like to focus on mentoring young professionals for leadership in ITE. We need to make efforts to avoid the loss of ITE talent that occurs when student members graduate. I hope to have the opportunity to work to further ITE's mission and help the chapter expand.

Jamal Mahmoud

I am a traffic engineer with a broad range of experience in traffic engineering and transportation facility design. My current focus is in traffic signal operation, traffic calming, traffic studies, and asset management that support livable and sustainable communities emphasizing walking, bicycling, and transit.

Jamal Mahmoud
Transportation Operations Engineer
City of Bothell

I'm fully committed to meaningfully involving the public and project stakeholders throughout the planning and design process. My project experience includes corridor and traffic studies, bicycle and pedestrian planning, design, and public engagement.

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 20+ years of active ITE membership, together we will Move ITE Forward as a leader in the global transportation community. I have the desire to see ITE grow and succeed. Simply, I have much to contribute.

POLLS ARE OPEN!

ITE-Washington 2018-2019 ELECTIONS

Vote at :

https://www.surveymonkey.com/r/8KQZDN3wa-ite.org

Peter Courtney Minto Island Bicycle and Pedestrian Bridge

By Ed Aristo - Sea-Tac Lighting & Controls

The Peter Courtney Minto Island Bridge and Trail is the last critical link in connecting 1,300 acres of parks and more than 20 miles of off-street trails between South Salem, downtown, and West Salem. When combined, this acreage is larger than New York City's Central Park and now the largest city park on the West Coast. The Bridge is a 300-ft-long steel tied-arch structure that blends seamlessly into the surrounding environment.

The $10 million project funding came from federal, state, and local resources as well as the Riverfront Downtown and South Waterfront Urban Renewal Areas, Salem Keizer Area Transportation Study (SKATS), Oregon Parks and Recreation Department (OPRD), Business Oregon, and the Department of Transportation.

2012- OBEC Consulting Engineers were hired to oversee the final design, engineering and construction of the bridge. DKS Associates [Salem, Portland & Seattle Offices] for the illumination & Electrical design.

Peter Courtney Minto Island Bicycle and Pedestrian Bridge- Photo Courtesy or Organic Lighting Systems

Video: https://www.youtube.com/watch?v=Mvg33XOCfpE&feature=youtu.be

What started out as a challenge became a spectacular success thru solid team efforts. Our first meeting was in 2012 with the Salem Parks Department and Adam Miles, DKS Associates [now Associate Traffic Engineer, City of Spokane] and one of the proposed manufactures using FaceTime while holding an iPAD, a first for me!

We were given several challenges.

Scope:

Arch Illumination-visible from a 1/2-mile distance
Pathway Illumination-pathway and pedestrian facial recognition on the pathway

Challenges:

- Handrail LED illumination in a confined space
- Zero measurable light on the water and other environmentally sensitive areas.
- Pedestrian Facial recognition
- Buy American requirement

Handrail Illumination Extrusion [white]
Photo by Ed Aristo

Design:

A linear LED 1/2" wide was chosen for the 1800' of Arch and Handrail illumination housed in an extrusion with wide opaque

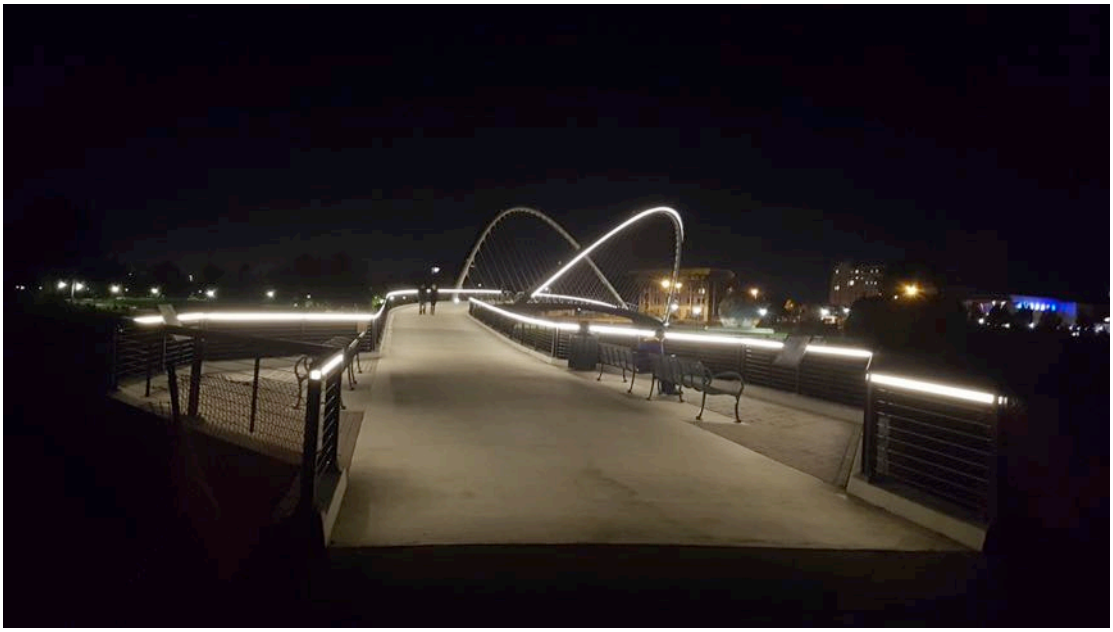
See SpotLight [continued] next page

lens. The handrail extrusion was tucked under the handrail, mounted and aimed horizontally at the pathway. The Linear LED is dimmable Warm White 3000K, Ingress Protected IP67 at 1.0 watts/ft.

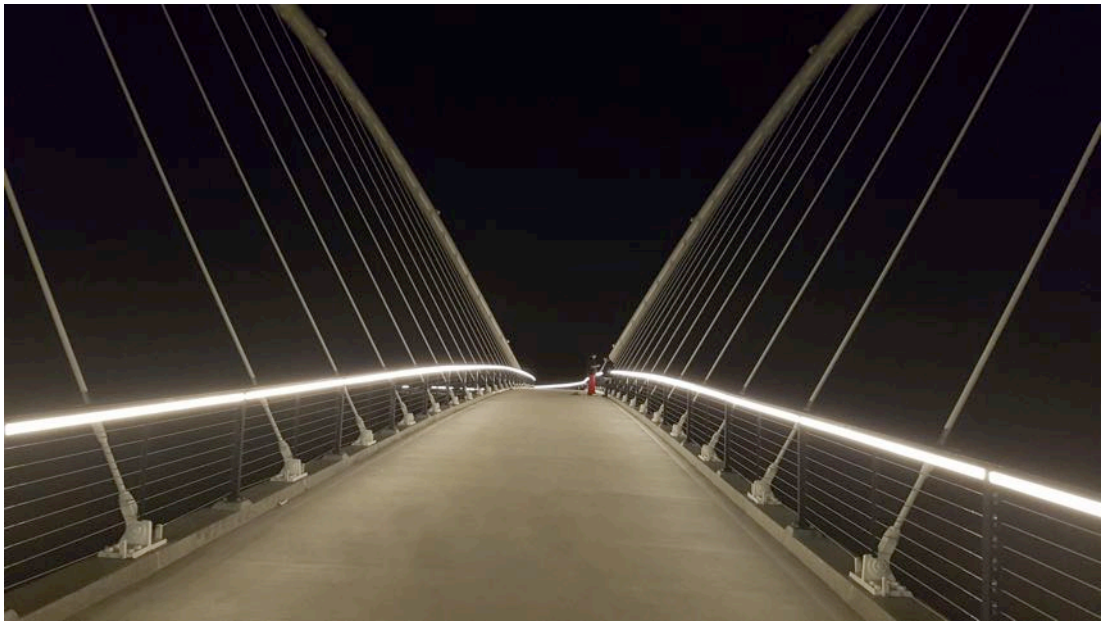
2015-The project was awarded to Legacy Contracting, Inc.-General Contractor and Cherry City Electric [CCE}-Illumination Contractor.

Preconstruction meetings began immediately with CCE, DKS, OBEC, Organic Lighting Systems [linear LED manufacture] Graybar Electric [supplier], and Sea-Tac Lighting & Controls helped understand the scope, roles and responsibilities . The handrail extrusions followed a 600' pathway with radius curves and bends. Extrusions had to miter cut to 1/16" tolerances for a total of 1200' of double sided illumination.

The project came together with the expert experience of Cherry City Electric. Their crews overcame several challenges along the way. The result was a splendidly illuminated iconic structure opening a once restricted access area for public enjoyment and community pride.



Pathway Handrail and Arch Illumination
Photo by Ed Aristo



Pathway Handrail and Arch Illumination
Photo by Ed Aristo

AUGUST 2017 - Opening Celebration

Awards/Recognitions

2017 Project of the Year in Structures Category [$5-$25 million] - American Public Works Association [APWA] Oregon

2018 Project of the Year in Special Purpose Class- National Steel Bridge Alliance

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

ENGINEERING CAREERS

Please visit www.wa-ite.org for current job postings.

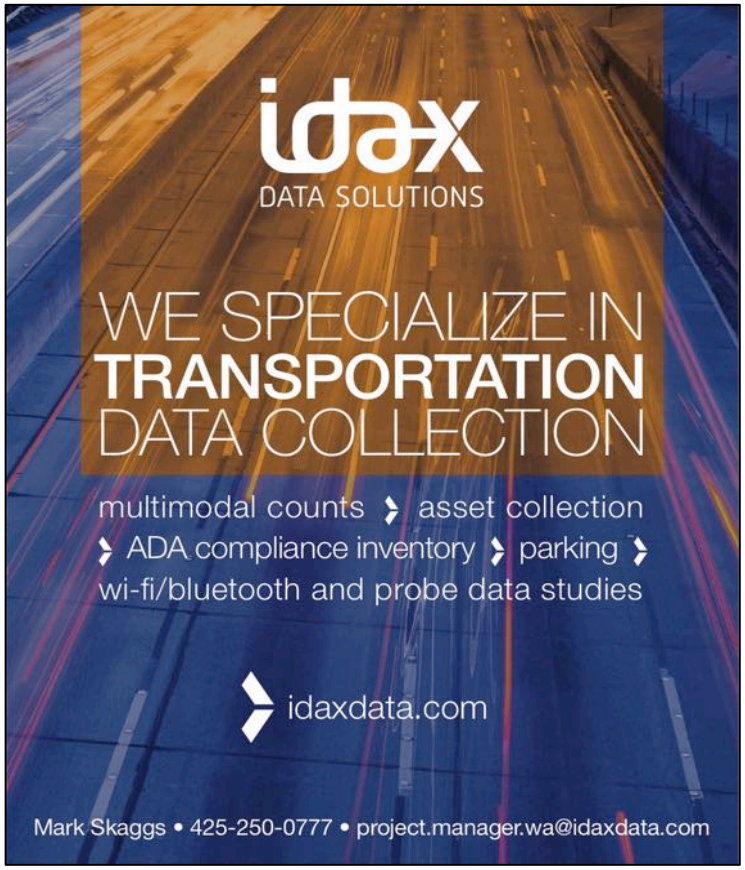
Submit new postings to:

Sherief Elbassuoni, PH.D., P.E.
Web Master
Associate Transportation Engineer
DKS Associates - Seattle, Washington
she@dksassociates.com

Postings should include company, position, brief description of responsibilities, requirements, contact information and posting timeframe.

SIGN of the TIMES

Western Systems
Innovative Transportation Solutions
LARGEST SOLUTION PROVIDER
ON THE WSDOT CONTRACT
#04616
As a thank you for partnering with us, we are offering exclusive partner discounts for over 35 manufacturers
Leading Technologies on State Contract
Actelis
IndigoVision
Alpha
Intuicom
Applied Information
Iteris
ATSI
MDI
Availed
Mobotrex
AXIS
Pelco Inc.
Carmanah
Pelco Products
Cisco
RU2
Clary
Sensys
COHU
Siemens ITS
Artel/CSI
Siemens RuggedCom
Detech
Solectek
Detrol
Temple
EDI
TKH
Fiber Connections
Unipart Dorman
GarrettCom
Wells Mfg.
General Traffic
Western Systems
High Sierra
Up to 35% off
www.WesternSystems-Inc.com | 425.438.1133


idax
DATA SOLUTIONS
WE SPECIALIZE IN
TRANSPORTATION
DATA COLLECTION
multimodal counts › asset collection
› ADA compliance inventory › parking ›
wi-fi/bluetooth and probe data studies
idaxdata.com
Mark Skaggs • 425-250-0777 • project.manager.wa@idaxdata.com

LaneLight
Let's get home Safe.
CROSSWALKS
STOP BARS
GRADE RAIL
CURVES
TUNNELS
www.LaneLight.com
5 YEAR
WARRANTY

SensMetrics not only takes the guesswork out of signal performance, but actually makes improvements.

SensMetrics is a complete traffic management solution that provides on-demand signal timing plans and high-resolution Automatic Traffic Signal Performance Measures (ATSPMs).
You now have the actionable means to proactively identify intersection performance deterioration, make improvements and measure operational success.

SENSYS networks

To get actionable data in your roads with SensMetrics, visit www.sensysnetworks.com/sensmetrics

DTG TRAFFIC DATA GATHERING
Fast, reliable, and accurate since 1991

Women Business Enterprise

www.trafficdatagathering.com

Traffic Data Gathering (TDG) is a sole proprietor firm specializing in the collection, reduction and graphical presentation of traffic/transit data for use in traffic studies and planning.

Carla Nasr - President
O: (425) 334-3348 | M: (425) 345-1148 | E-mail: carlan@trafficdatagathering.com

All Traffic Data Services Inc.

Eric Boivin

6401 Lake Washington Blvd SE
Renton, WA 98056
ericboivin@alltrafficdata.net

Phone 425.228.0072
Cell 303.668.0220
Fax 303.278.2681

PERTEET
Better communities, by design

CrossWalks Solution

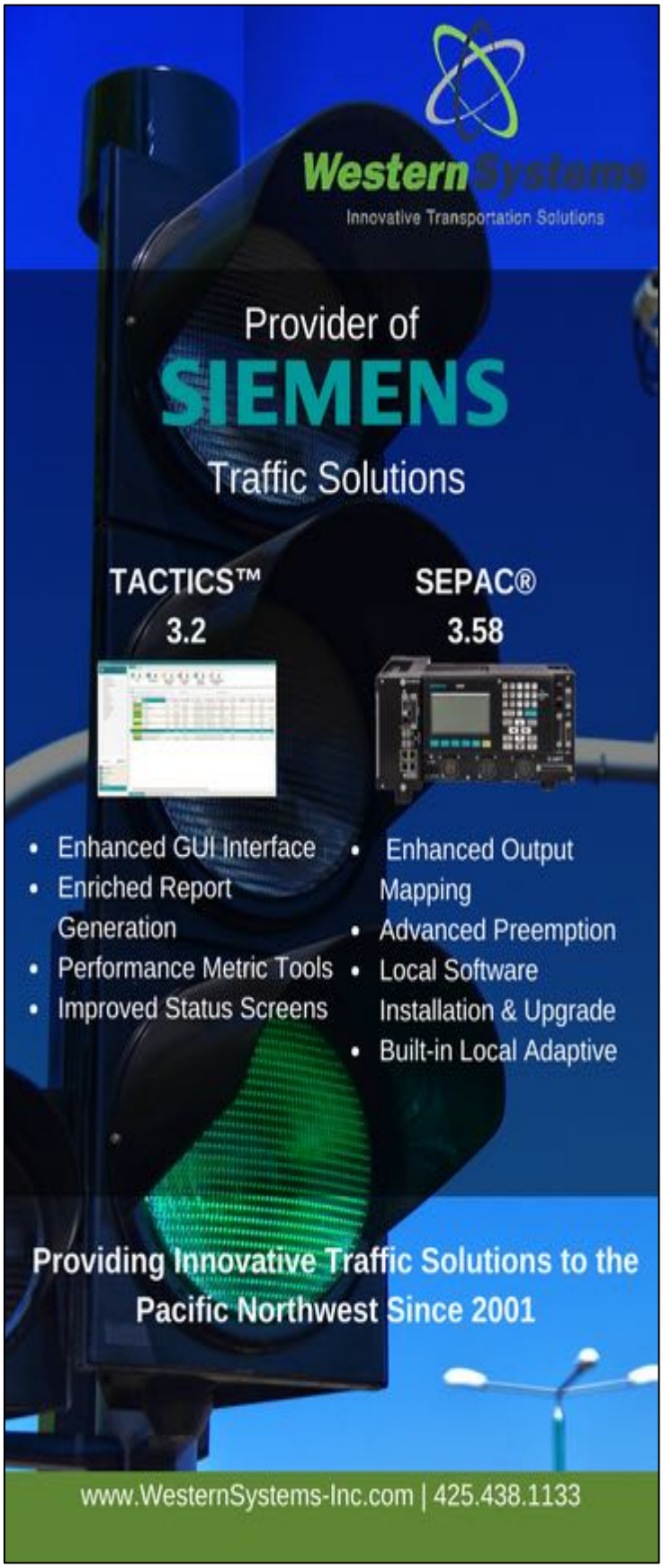
CrossWalks will return next edition

Protecting your customers just got **easier.**

Effective safety devices, efficient contract.

Intelligent Warning Systems on WA State Contract #04616

Traffic Safety Supply Company
800.547.8518 • sales@tssco.com
www.tssco.com



concord ENGINEERING
Xiaoping Zhang, PhD, PE, PTOE
Principal
705 2nd Avenue, Suite 700, Seattle, WA 98104
206.682.0567 | www.cetransportation.com
Certified D/M/WBE by the State of Washington

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

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

ite
WASHINGTON STATE
INSTITUTE OF TRANSPORTATION ENGINEERS

ILLUMINATION, CONTROLS & POLE SOLUTIONS

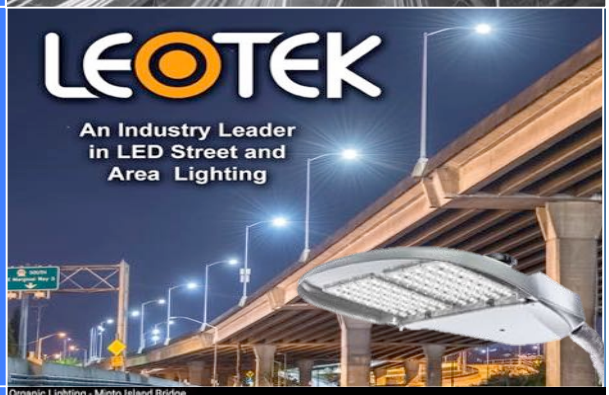
PERFORMANCE

Cooper Lighting by EATON

STREETWORKS

CONTROLS

STREET



SAFETY

KEEP PEDESTRIANS AND STUDENTS SAFE

PEDESTRIAN SAFETY PRODUCTS BY 1254, STOPS A 15,000 LB VEHICLE @ 30MPH

1254

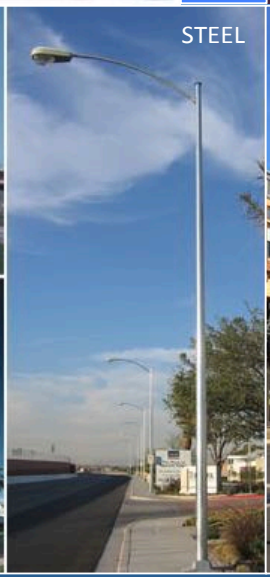
TWELVE FIFTY FOUR INDUSTRIES

MODEL #: 12BOL-SP-15K30MPH

LINEAR

STANDARDS

Ameron™ pole products



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