VOL. 27 | ISSUE 5 | MARCH 2017 INSTITUTE OF TRANSPORTATION ENGINEERS & PROFESSIONALS

President's Message

MARCH 2017

Paul Cho
ITE President

One of the areas I'm heavily involved in for Redmond is fiber optic communications. It's something I never intended to get into when I studied Civil Engineering. But I was in the right place at the right time and I jumped on the opportunity presented to me. We planned, designed and installed miles and miles of glass to shine laser lights to replace, essentially, two tin cans and a string. If you've been a member long enough, you may even recall a picture of a certain Scribe looking into one end of glass. (There's great fiber optic inside humor in the photo.) So we proudly installed our initial fiber links to communicate with our traffic devices. Success.

But the initial connection was only the beginning. Soon we realized we needed redundant paths in the unlikely event a contractor hit one of our fiber optic cables and severe ties to our central control. And what if there were unexpected events like a storm or even a substation fire that takes out electric power in the area? It could happen. What then?

We realized we needed to improve our initial design to enhance the performance and reliability by adding back up battery power so our electronics would continue to send vital information to assist in detecting and responding to incidents. We replaced older equipment with newer technology that granted us more flexibility and through put in meeting our communications needs.

Much in the same way, our ITE Washington Section operates each year with a base design that was put together over the course of many years. We've learned from our challenges and successes and applied the information on enhancements. Work completed by volunteers investing their time and energy make each event such a success. This year's ITE/IMSA conference was another example of how we've taken an old recipe but continued to enhance it to meet the demands of today's needs.

The ITE/IMSA Conference committee listened to comments from members and vendors of previous years and worked very hard to address requests and incorporate lessons learned. For the first time, we utilized

~ See President's Message Next Page

ITE March Meeting

Topic: FHWA's Small Town and Rural Multimodal Networks Guide
When: Thursday, March 16
11:30am – 2:00pm

Where: The Ramada Inn
2330 – 84th Ave S
Kent, Washington

See Events Page for registration information

SAVE THE DATE
MAY 09

student NIGHT

IVAR'S SALMON HOUSE
on NORTH LAKE UNION

Inside this Issue

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- ITE-WA Section Officers
- ITE-WA Section Business

President's Message – continued

Paul Cho, DOH!

full online registration that really streamlined the registration and payment process. We still were able to keep the base formula the same, but now quantifying the 130 additional attendees obtaining training at technical programs and gathering information on today's materials and technology at the vendor display booths was possible. This truly allowed us to shatter any previous conference attendance record with a grand total exceeding 300 at the event. Success!

But we are not done. We now have the opportunity to work on our Annual conference coming up fast in June. We have selected the conference venue but still need to put together technical programs and cover logistics. In addition, we'll need more volunteers to help take over the reins for next year's ITE/IMSA conference planning.

I'd like to reach out to our members; especially our younger members to please get involved. Every meeting or conference that you have attended is planned and executed by volunteers. This is the right time and this is the right place. Just bring your passion, your personal skillset and an eagerness to serve to enhance what ITE Washington can provide its members and community.

Please join me at this month's luncheon meeting focused on non-motorized facilities in small towns and rural areas, addressing the unique active transportation challenges and opportunities not covered in NACTO or ITE urban design guides. And please, if you'd like to get involved, contact myself or any one of the Board members to express your desire to get involved in continuing to enhance the information, value and enjoyment ITE Washington provides.

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

Treasurer's Chest ~ NEW!

MARCH TREASURER REPORT

Mike Hendrix
ITE Vice President

One of the duties of the vice president is to keep track of the dollars coming and going into our organization. In an effort to be more transparent, Treasurer's Chest will be a regular column.

We will start off with a recap of our last meeting's financials. As you may know, we aim to breakeven on our events with the exception of our ITE-IMSA conference. This is the primary fundraising opportunity that we use to help fund the Student Endowment Fund and for our local university chapters.

Here are the details of February's conference:

Total breakdown for the venue, catering, and miscellaneous items:

Vendors: $29,058.96
Ticket Sales for Lunches: $5,095.63
Venue and Catering Cost: .....-$23,598.99
Miscellaneous Costs: .....-$220
Net Income: $10,335.60

We cannot express our gratitude enough to the vendors and speakers who truly make this a great yearly event.

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

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

ITE /IMSA Washington Joint Conference

February 2016 By Darcy Akers & Daniel Lai, P.E.

After a stormy week of winter weather, members from both ITE and IMSA came together for the 2017 Joint Conference and Vendor Exhibition at the Double Tree Inn in SeaTac. This conference, which is always highly anticipated and attended, provides an opportunities for

Darcy Akers
ITE Scribe
City of Bellevue
ITS Engineer

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

those who plan, design, operate and maintain the region's transportation infrastructure to come together to learn and share their experiences. The vendor room was constantly abuzz with latest in LED lights, signal cabinets and ITS technologies on display.

This year's event offered 15 vendor-led training seminars as well as 5 additional technical sessions featuring great panels of presenters with expertise in current transportation challenges and opportunities. The technical sessions included: Safety – Homing in on Target Zero, Smart Cities – A Paradigm Shift for Transportation Professionals, Transit in a Growing Region, Funding Programs and MUTCD Report from the National Committee. A few highlights from the presentations included:

- Pierce Transit's summary of their current and planned programs.
- King County Metro's presentation on their Speed and Reliability program, including the process for implementing improvements and a report on projects completed and agency partners.
- SDOT's presentation on the status of the MUTCD and issues currently being addressed. This included an update on the FHWA's halting of new experimental approvals for RRFB devices due to patent conflicts.
- The City of Bellevue's outlook on Smart Cities and performance monitoring initiatives. The City of Bellevue also presented their partnership project with Microsoft to develop machine learning and video analytics technology to improve pedestrian safety.

In addition to the technical programs, attendees enjoyed a delicious luncheon where they were treated with a keynote address by Sound Transit Deputy Director, Don Billen, who directs the Capital Project Development. With the passing of ST3, the Puget Sound region will experience a significant growth in transit infrastructure in the next two decades. Mr. Billen shared with membership the timelines in which ST3 initiatives will be implemented, highlighting both current projects that are underway and future expansion which include light rail links to Tacoma, Everett, South Kirkland, Bellevue and Issaquah. The completion of ST3 will provide a 116 mile regional light rail system. The program will also expand Bus Rapid Transit (BRT), Sounder and ST Express busses throughout the region. ST3 aims to meet the demands of the rapid population growth that our region faces and is expected to provide an alternative and viable mode of transport for many in our region. As the ST3 momentum builds, we are certain that our region's transportation professionals will help to collaborate on both current and future ST3 projects that will enhance transit accessibility for years to come.

We would like to thank all of our ITE-IMSA members for the great turnout at this year's conference. It is because of the strong participation that we are able to provide an exciting program each year and valuable networking opportunities. This conference also continues to be a success because of our volunteers and technical presenters that commit their time, which we tip our hats off to. Look out for upcoming details on our annual ITE conference in June!

2017 ITE Washington

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

THURSDAY, MARCH 16 ~ FHWA's Small Town and Rural Multimodal Networks Guide.

11:30am to 2:00pm The Ramada Inn, 2330 – 84th Ave S, Kent, WA

Most bicycle and pedestrian design guides focus exclusively on urban design. Alta's new FHWA Small Town and Rural Multimodal Networks Guide (STAR Guide) is the first of its kind to focus exclusively on small towns and rural design, addressing the unique active transportation challenges and opportunities left out of the NACTO Urban Street Design Guide and ITE Designing Walkable Urban Thoroughfares report.

The STAR Guide is structured as a visual menu of contemporary walking and biking facility options and accompanying design guidance that, put together, can create a truly multimodal network. Informed by AASHTO and MUTCD guidance, the STAR Guide applies a flexible design approach to creating more comfortable places to walk and bike.

You will learn why rural communities and transportation networks are different from their urban counterparts and why they need special guidance to address longer trips, greater health disparities, and higher crash rates. This session will cover the STAR Guide's major sections including rural design considerations, mixed traffic facilities, visually separated facilities, physically separated facilities, case studies and key network linkages such as speed management, school connections, main streets, and public land access. We will also discuss implementation and funding.

Presenters will be Andrea Clinkscales and Fred Young from Alta Planning+Design.

More details on lunch choices and cost to follow. Watch your email, ITE Website, and @ITE_Washington Twitter feed! *Register for lunch with Carla Nasr, ITE Hospitality Chair, Traffic Data Gathering;* itewaregister@gmail.com

Andrea Clinkscales

Senior Planner
Alta Planning+Design

Biography

Following undergrad, Andrea spent six years as a social worker serving homeless, immigrant, and at-risk youth populations in Oregon. Since then, she's led a diversity of complex multi-disciplinary active transportation projects in the private, public, and non-profit sectors. Andrea has 15 years of project management and community engagement experience, ten years in active transportation, and six years in transit access capital projects and construction. She is a Vision Zero expert and passionate about addressing the nexus of transportation, land use, housing, public health and human services. Andrea has a Master of Urban Planning degree from University of Washington. Before joining Alta, she was the Principal Planner at the Cascade Bicycle Club in Seattle. Andrea has held urban planning and urban design positions at public agencies, including Sound Transit, the City of Seattle, and City of Portland. She is elated to serve clients in creating and enhancing the best active transportation networks.

Fred Young

Principal
Alta Planning+Design

Biography

Fred Young is a Landscape Architect with over 15 years of experience working on public projects that enhance the livability of communities. He worked with an artist for 10 years on projects that creatively maximized the benefit for the public, and created places that are both aesthetic amenities and integral to the functional built environment. His projects include multi-use trails, corridor master plans, LRT studies, public art master plans, public art, and parks. Recently, he presented to Seattle Neighborhood Greenways a summary of bicycle infrastructure he experienced on a study trip to the Netherlands.

Event Calendar

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

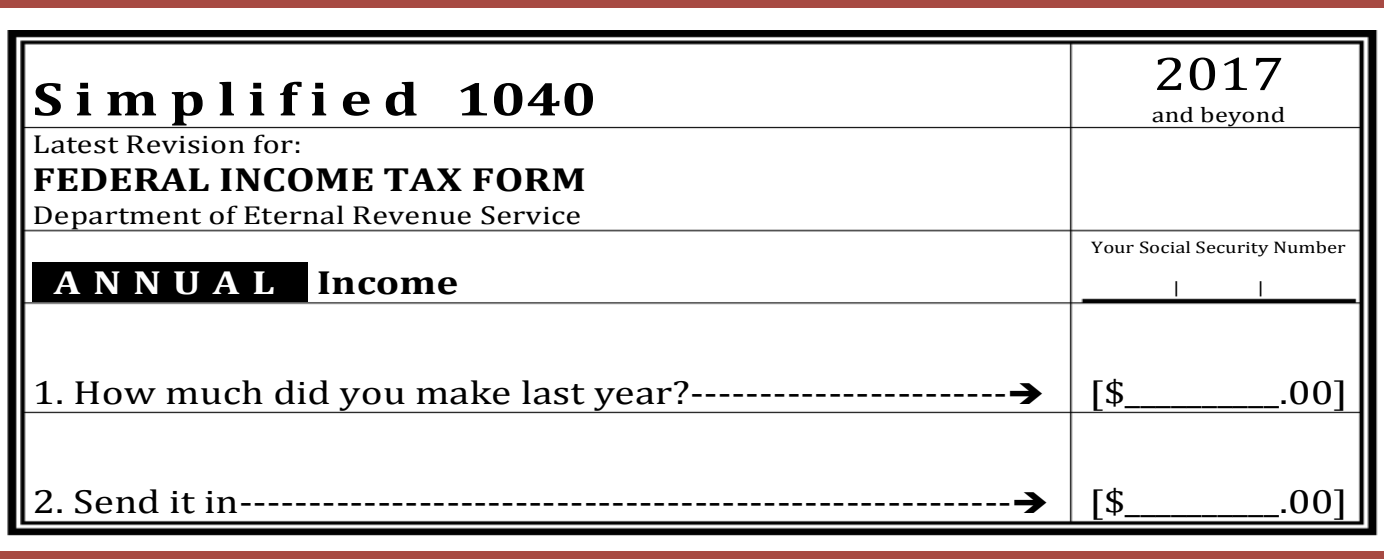
APR 25-27.....APWA Washington Chapter, Tacoma WA

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

Wise Tales



Simplified 1040	2017 and beyond
Latest Revision for: **FEDERAL INCOME TAX FORM** Department of Eternal Revenue Service	
ANNUAL Income	Your Social Security Number _____ | ____ | _____
1. How much did you make last year?----------➔	[$_____.00]
2. Send it in----------➔	[$_____.00]

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**.

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

Traffic Signal Technician
Auburn, WA

The City of Auburn is hiring a new Signal Technician, The City of Auburn has a Population of about 77,000 and 95 Traffic signals

The job is a non represented hourly position.

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

Transportation Advisory Board, Volunteer -Auburn, WA

The City of Auburn recently formed the Auburn Transportation Advisory Board (TAB). This new 15-member advisory board will serve a critical role in providing the Mayor, the City Council and staff invaluable community perspective that will help shape current and future policy and financial decisions affecting transportation in our community. Your input will help inform the decisions that the Mayor and City Council need to make in order to ensure that Auburn is a premier place to live, work and do business.

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	
Senior Transportation Engineer	Kirkland, WA
Sr. Active Transportation Engineer	Kirkland, WA
Transportation Engineer (L-3)	Kirkland, WA
Transportation Engineer (L-3)	Kirkland, WA

SAVE THE DATE

MAY 09

IVAR'S SALMON HOUSE

on NORTH LAKE UNION

Contact: Pablo Para, PE, PTOE - Principal
PH Consulting, LLC pablo@phtraffic.com

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	Location
Engineer I	Everett & Seattle, WA
Resident Engineer	Washington
Construction Observer	Washington

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://grayandosborne.net/current_employment.php

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

Moonlights

By Ed Aristo, ITE Newsletter Editor | Roadway & Area Lighting Specification Sales | Sea-Tac Lighting & Controls

In the 1880's and 1890's many cities in the US and Europe erected intricate lattice towers that reached upwards to 165'! The towers were designed to illuminate areas over several blocks at once, 1500'-3000' circles. Initially six carbon arc lamps, known for their exceptionally bright and harsh light, were the most common method of illumination. The luminaires were upgraded to Incandescent in the 1920's and then Mercury Vapor in the 1930's. Question now is what will they use with Mercury Vapor lamps no longer available.

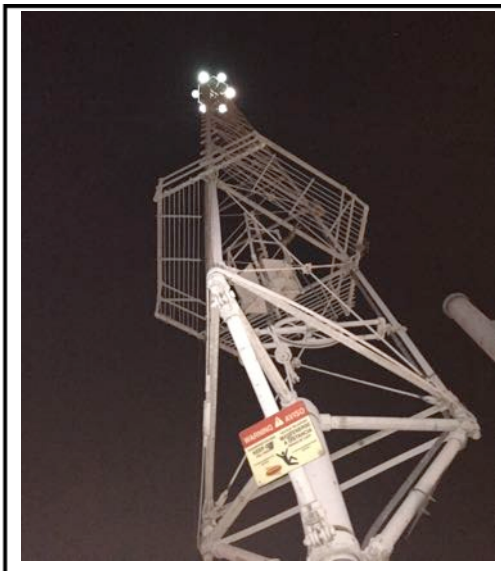
Downtown Austin Texas has maintained the Moonlight Towers for historical value. There are currently 17 towers within the city. This photo was taken from the 7th floor of the City's parking garage. Photo by Ed Aristo

As incandescent electric street lighting became common, the prevalence of towers began to wane.

"They were very concerned that it would affect the chickens and they wouldn't know when to lay the egg."

What could shake up things so much that chickens in Austin wouldn't know the right time to do their thing? That recollection from a newspaper article can be heard in a documentary called *The Last of the Moonlight Towers,* which illuminates the history of those iconic towers.

Each leg of the tower was secured into foundations all four corners



Existing Tower sowing the man lift used to access the tower lights. Photo by Ed Aristo

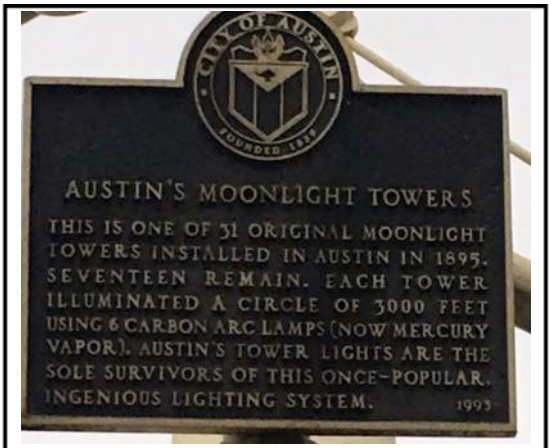


Photo by Ed Aristo

~ See Moonlight Towers Next Page

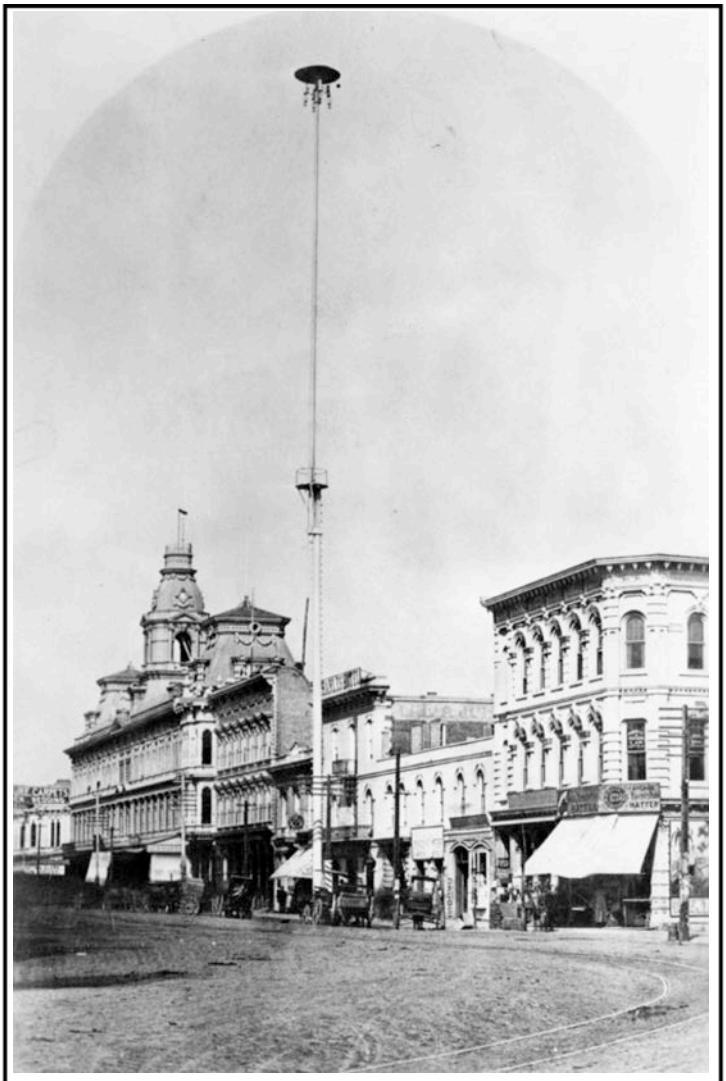
Moonlight Towers – continued

of an intersection. Replacements like in the photo to the right, use a single point base with four support cables attached to the four corners of the intersection.

It's believed that the remaining Moonlight towers only exist in Austin, Texas and only 17 original towers of their original 31remain. The towers were officially designated Texas Historic Landmarks in 1970. In 1976 they were included in the National Register of Historic Places.

Downtown Detroit, Michigan (1900s) Showing Campus Martius Park, Detroit City Hall, and a Moonlight Tower.

Image By Lycurgus S. Glover - Public Domain,



Historical Notes

In 1882, C. L. Howland installed seven 150-foot tall streetlight masts, each carrying three carbon-arc lamps of three thousand candle-power. He also installed a small power plant to provide the electricity for his new street light system.

In 1883, Howland and other investors would go on to form the California Electric Light Company (changed to Los Angeles Electric Company within a year). It was the first electric utility in Los Angeles.

Image courtesy of DWP - LA Public Library Image Archive

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

MARCH 2017

P G U K D B X P Y R J K E U A U S T I N D L H C J O Q W Q T
T I S M X E L D N X E C X H I W O Y B X K K X D K Z D T S Y
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P I Y G E X O T G U G P V F K R Q O G O R D M U I W A J V A
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J Y S F F X P T O T R S F G T V Q S G W F K X V I B Z R Z F
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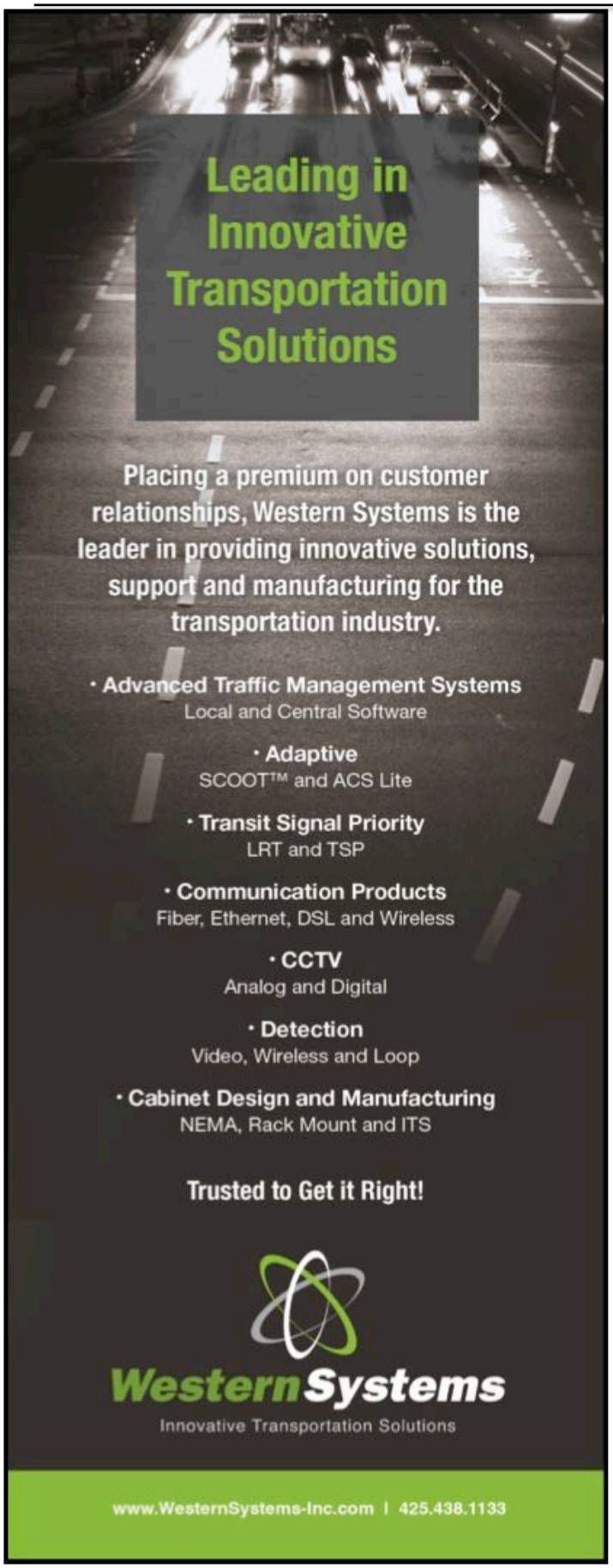
CrossWalks Answer Key found in the advertiser section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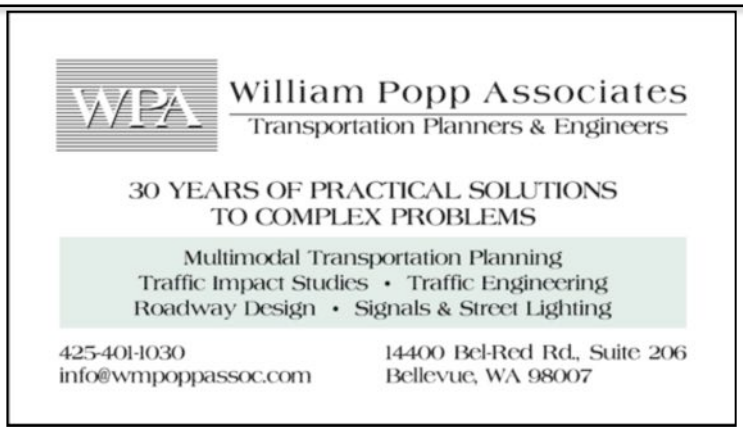
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CASE STUDY

BELLINGHAM, WASHINGTON: A CITY WITH AN ILLUMINATED MISSION

Project Highlights

Energy savings
70% (or 1.8 million kWh)

Annual carbon emissions reduction
2 million pounds

Rebates
$400,000

Annual energy savings
$240,000

To create a modern, illuminated, energy-efficient city, Bellingham retrofitted its 3,600 city-owned streetlights and lighting infrastructure with new light emitting diode (LED) lights integrated with wired (power line) and wireless (radio frequency) controls based on Echelon's intelligent networking solution. Bellingham anticipates its new lighting system will reduce its energy consumption by 70 percent or 1.8 million kWh by the year 2020.

Case Study: www.echelon.com/applications/pl-rf-outdoor-lighting

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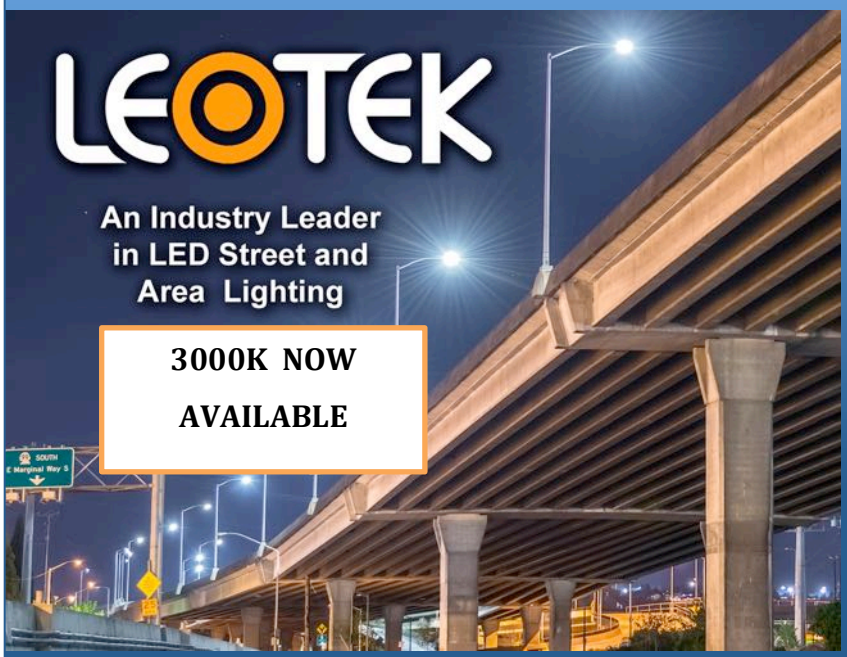

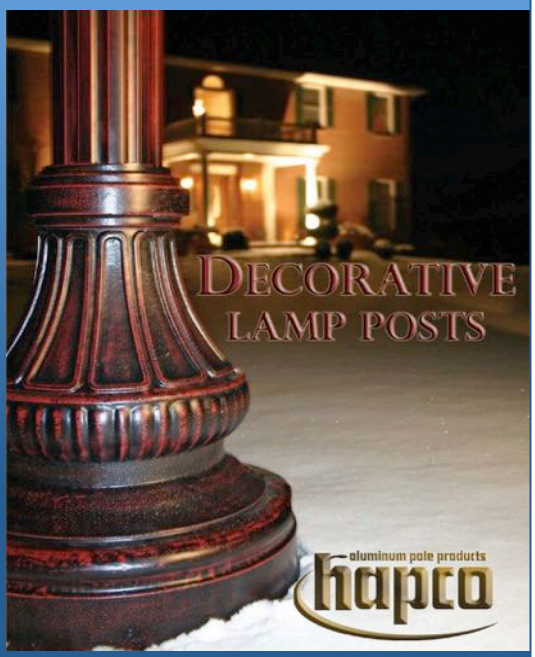

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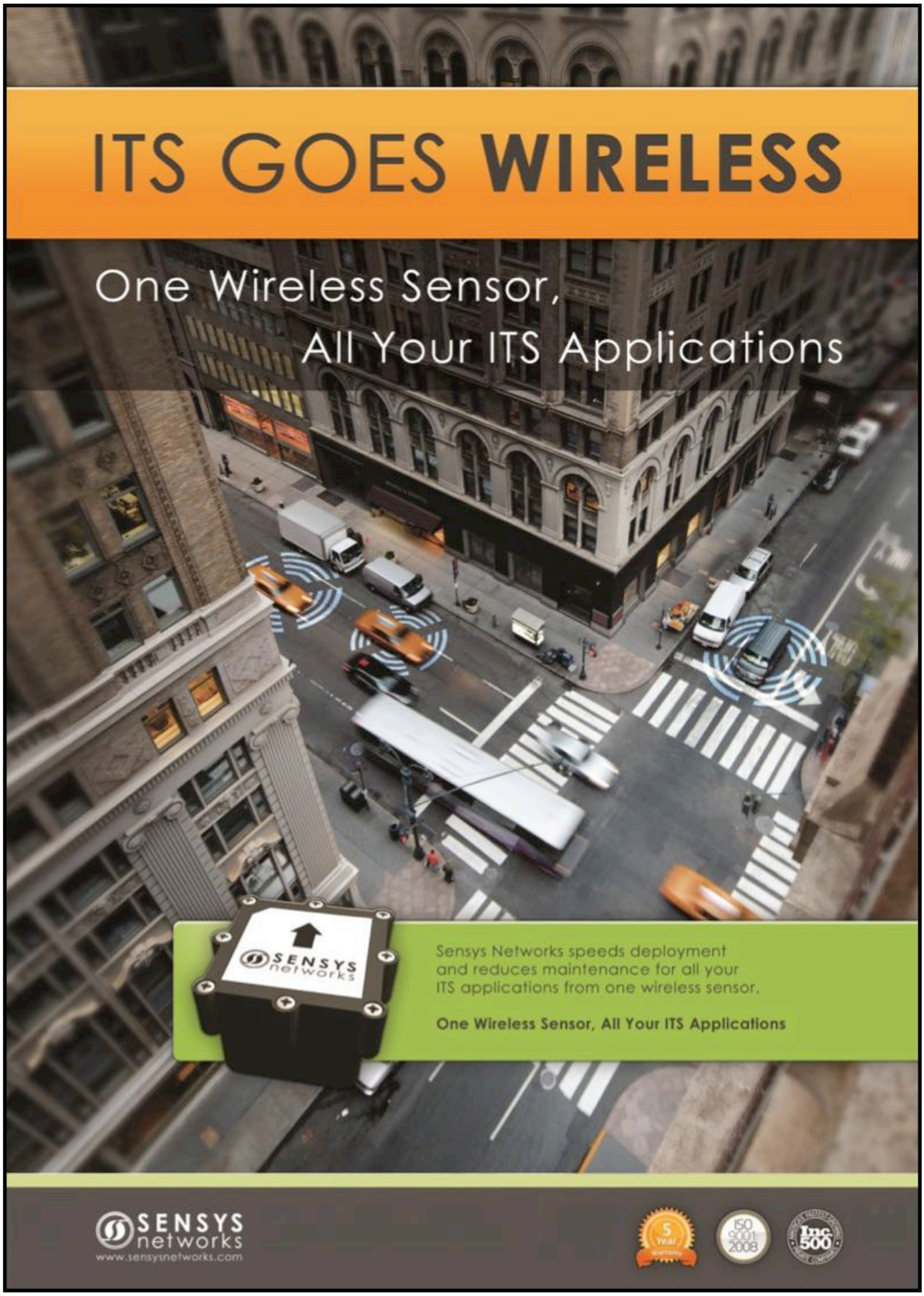
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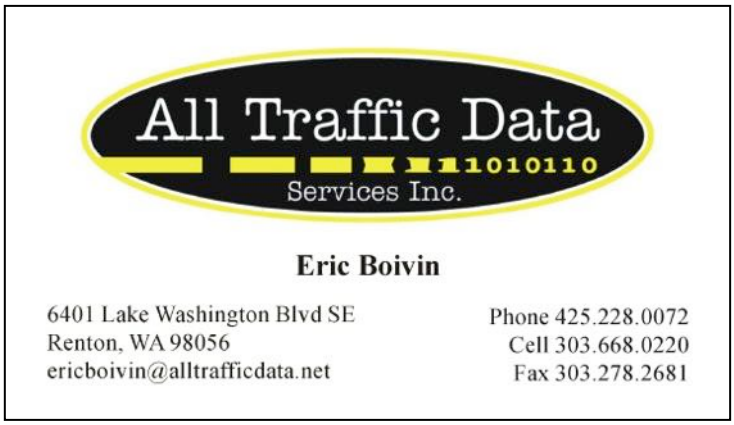
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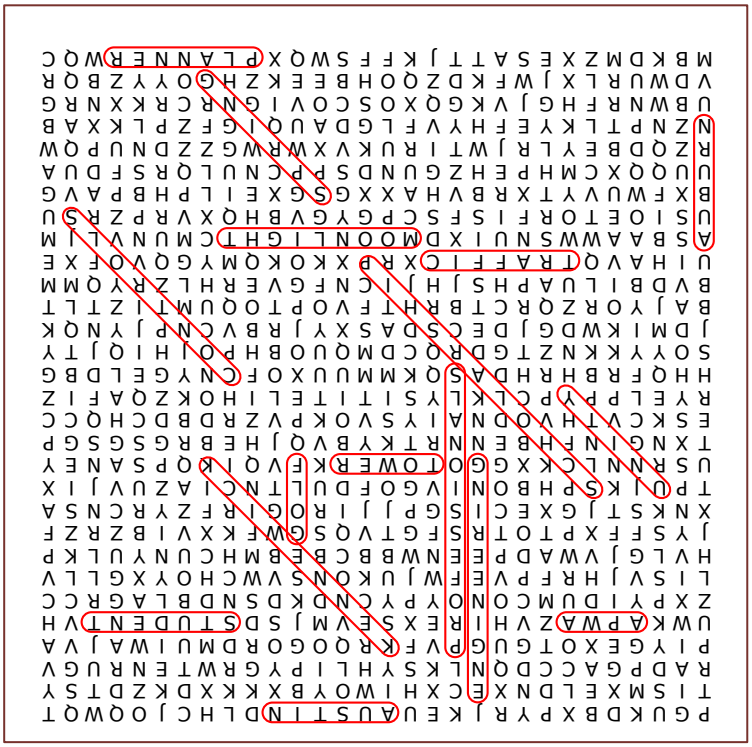

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