

President's Message: Volunteerism

By Karen Aspelin, P.E., PTOE, ITE Western District President

Admit it, as much as we may gripe about the "one percenters," the very small minority of the wealthiest Americans, there's not many of us who wouldn't want to be part of that group. Well, let me tell you about another minority of Americans that you can be a part of just by choice: the 27 percent of Americans who volunteer.



This edition of WesternITE is filled entirely with content submitted by District volunteers. They are men, women, married, single, full-time, part-time, consultants, public employees, with children (or dogs), and without children (or dogs). But each of them gets something non-monetary in return for the time they spend bettering ITE for everyone. Volunteers cite benefits of volunteerism as connecting them to other people, allowing them to put their skills to good use, advancing their careers, and adding enjoyment to life by seeing the benefits to others.

Interestingly, about as many people become involved as volunteers by approaching the organiza-
(continued on page 3)

Look Inside For

International Director's Report.....	2
ITE Western District Annual Meeting.....	4
Call for Candidates.....	5
Branding the Western District.....	5
2013 Annual Board Meeting Highlights.....	5
2014 Annual Meeting Update.....	7
Committee Updates.....	8
MiteY Race Update.....	8
Section and Chapter Activities.....	9
Traffic Bowl.....	9
Student Endowment Fund Update.....	11
Positions Available.....	17
Professional Services Directory.....	19

Sometimes "Really Good" Time of Day Coordination Does Outperform Adaptive Control

The City of Roseville, California's Experience

By Matt Weir, P.E., T.E., PTOE, Kimley-Horn and Associates, Inc. and Jason Shykowski, P.E., T.E., City of Roseville

The District's Annual Meeting Best Paper Award is one of the most prestigious presented each year. The award-winning paper is presented here:

This study documented a traffic operations evaluation of the City of Roseville's implementation of an adaptive traffic signal control system. The purpose of this evaluation was to assess the effectiveness of the adaptive control system as compared to baseline conditions during which time-of-day coordinated signal control was used.

The 1.5-mile section of Sierra College Boulevard between Douglas Boulevard and Old Auburn Road has five signalized intersections, all of which are interconnected and are operated in a coordinated fashion. In addition to this mainline segment, the evaluation efforts included two side street approaches to allow for quantification of the adaptive control system's effect on side-street vehicle delay. Weekday peak period travel time runs and side-street control delay analyses were conducted for conditions with and without the adaptive system. Following the implementation of the adaptive system, the City allotted a 30+ day period during which the corridor operations were monitored and fine-tuned by City and vendor staff. This 30-day period was used to allow the system to adjust to the recurring traffic patterns, and to build a system database of the fluctuating system demand.

Based on this study, the City concluded that their baseline condition, which made use of "really good" time of day coordination plans, was difficult for the adaptive system to outperform. This report documents the results of the evaluation and the comparison of key performance measures for conditions with and without the adaptive system.

INTRODUCTION

Sierra College Boulevard is a north-south arterial roadway located in the southeast portion of the City. Adjacent properties receiving access from the project corridor include commercial retail, residential, and educational uses. This roadway plays an important role in the region's transportation network by providing a connection between Interstate 80 to the north and US 50 to the south, and includes one of the few crossings of the American River in eastern Sacramento County. Several distinct users characterize this corridor: routine regional commuters, commercial retail customers, as well as logging and other heavy vehicles. The traffic patterns resulting from this mix of users is largely predictable, with well-defined peak periods and direction distributions. This segment of Sierra College Boulevard has two lanes in each direction south of Indigo Creek Road and three lanes in each direction between Indigo Creek Road and Olympus Drive. This segment of Sierra College Boulevard has a posted speed limit of 45 mph. This corridor was previously and

(continued on page 7)

International Director's Report



By Monica M. Suter, P.E., PTOE

ITE's International Board of Direction (IBD) met at the Sheraton Boston Hotel on August 2-3, 2013 prior to the International Annual Meeting. The Western District was represented by International Directors **Michael Sanderson**, **Monica M. Suter**, and **Jenny Grote**. International President **Zaki Mustafa** led the meeting and International Past President **Rock Miller** and International Vice President **Hibbett Neel, Jr.** of the executive committee also

participated. Ex Officio Board Member **Steve Colman** from our District also participated as Coordinating Council Chair/Representative.

Membership Needs and Satisfaction Survey

The survey results were reviewed in detail with the IBD. From this, four focus areas were recommended to yield the greatest value for our members:

- Website Redesign
- Professional Development Program Enhancements
- Membership Benefit/Resource Enhancements and Ready Access
- ITE Annual Meeting and Exhibit Enhancements

Membership survey participation was greatly appreciated!

Listening Sessions Feedback

Associate Executive Director **Aliyah Horton** reviewed the highlights from the international technical conference meeting in San Diego, and district, section and web meeting input from members. The sessions also revealed that there are many services and benefits offered by ITE that are not commonly known. This ties in with the membership survey that identified the significant priority to overhaul the website so that available benefits are more obvious and additional benefits provided in the future will be more readily accessible to members.

Additionally, President Mustafa indicated that the upcoming website changes will enable iPad, iPhone, and Android users to have optimized viewing of the content. Additionally, application opportunities for ITE's several awards will be more prominently highlighted on ITE's website.

ITE Journal Enhancements

Executive Director **Tom Brahm**s noted that the cover would be redone and efforts would be made to better deliver the information needed by members to be more relevant to practitioners in the *ITE Journal*. The September 2013 issue has a noticeable new cover and look. The format is revamped with relevant material and user-friendly case studies. This change has been noticed by several members who have made positive comments. The *ITE Journal* is also available to members electronically so it can be read on a tablet or computer at www.ite.org. Discussions have also occurred that some members would like to be able to opt-out of the paper version.

Due to advertising concerns, this change has not yet been implemented but it remains under consideration. All of ITE's communications methods are under review to further modernize how we can best interact and share information with members.

Increasing Agency Memberships

On-going efforts have been made to increase Agency Members in ITE and progress has been made. Elected leaders from the District, Sections and Chapters are also asked to help identify and recruit potential new agency members so that they may benefit from the agency discounts, industry resources, professional development, networking, and leadership opportunities. Contact **Jennifer Childs** at jchilds@ite.org to confirm the discounted agency rates.

E-Library

Vice President Neel set the goal to gather the PowerPoint presentations made at all ITE meetings and to have these catalogued and searchable for members through ITE's e-library. Already, our District has shared recent compendiums with ITE International. However, Sections and Chapters are also asked to forward any links or other data sharing methods they have available with **Hibbett Neel** (hibbett.neel@neel-schaffer.com) and **Zach Pleasant** (zpleasant@ite.org). Let's be the first District (inclusive of all our Sections and Chapters) to share all of our presentations over the past five years!

Three Additional Committees

Vice President Neel also recommended that three new priorities be pursued through the following committees:

- International Young Member
- Student Chapter
- Advocacy Committee

The Board established these and interested volunteers are already stepping forward!

Additional Webinars & Pricing Structure

Executive Director **Tom Brahm**s indicated that efforts are underway to develop and conduct an additional 20 webinars during the remainder of this calendar year. The pricing structure and opportunities to provide free webinars (when appropriate) has also been an on-going discussion item by the IBD based on member feedback.

Recent and Future ITE Annual Meetings

The approach to how future meeting sites are considered will be discussed at November's Fall IBD meeting. Additionally, several enhancements have been implemented to increase the value of International Meetings for participants. These changes have been positively received by members who have participated and several "hot topics" ranging from tips on placing APS (Accessible Pedestrian Signals) put on by

(continued on page 3)

International Director's Report (continued from page 2)

members of the National Committee on Uniform Traffic Control Devices (NCUTCD) to tips on "tweeting" - why and how to do it, sessions on complete streets, leadership, making the business case for projects, optimizing lane widths, intersection design for bicyclists, various transportation-related "apps," and railroad/signal pre-emption along with numerous traditional sessions including information on speeds, roundabouts, parking, pedestrians, safety, designing for all users, and an invigorating session about the value of introverts (and extroverts), along with bike and historical tours of Boston and its unique transportation environment, etc. Further, the IBD will be looking for alternatives to further the meeting value by continuing to provide meals in the exhibit hall, providing reduced student/younger member registration pricings, additional key workshops, etc., along with considering lower-priced venues.

ITE and the Next Generation of Transportation Technology

China Board Representative **Eva Lerner-Lam** provided an overview of this topic's report and the IBD took action to accept the framework document provided to use as the starting point for a new task force to continue work in this area. Additionally, the Annual Meeting provided "hot topics" about connected vehicles like the "Google car." These self-driving vehicles can communicate with infrastructure and other vehicles in the interest of increased safety.

Wikipedia and ITE

It was agreed that ITE should be more visible and recognized as the authority in Internet references such as Wikipedia. Midwestern District's International Director **Shawn Leight** offered to begin this effort by working with students to help populate key transportation definitions.

ITE Constitutional Amendments

Since the meeting, Executive Director Brahms reported that all three of ITE's recent constitutional amendments passed.

Leadership ITE

Special thanks to outgoing International Director **Michael Sanderson** for his service to ITE and our District. Additionally, the first Leadership ITE class of 30 will be initiated this fall in conjunction with the November Board Meeting. He and his committee successfully led the initiation of this new program. Congratulations, Michael!

Freight Mobility Council

The IBD approved a motion that membership in this new Council will be complimentary for those who wish to join. This free council would be in addition to the already free technical and complimentary employer-based council for each member.

Life Members

Life members, particularly those who are still working, will be asked to consider making voluntary donations to ITE at the same time the member dues notices go out. Any assistance from those in a position to donate is greatly appreciated!

No Increase in 2014 Membership Dues!

The IBD approved a motion not to increase membership dues in 2014.

Upcoming Meetings

If you are planning your family's spring break, you may want to visit our next International Spring Technical Conference in Miami, FL, March 9-12, 2014. The next International Annual Meeting and Exhibit will be in Seattle, Washington, August 10-13, 2014. We are also looking forward to the first joint Midwestern-Western District Annual Meeting in Rapid City, South Dakota, June 29-July 2, 2014.

Go Green!

The Western District is giving you the opportunity to go green by opting out of receiving printed materials. All information from the District including newsletters, e-news, and elections would be sent to you via e-mail only. If you would like to receive only electronic correspondence from the District, please contact WesternITE editor Joey Paskey at joey.paskey@atkinsglobal.com.

President's Message (continued from page 1)

tion as people who become volunteers because they were asked. I personally became involved with ITE at the District level because Ken Ackeret called and ask me if I would be interested in serving as the chair of the Technical Committee. Maybe you can think of someone in your section or chapter who's just waiting to be asked to help? You may find your group's future president.



Thank You from the 2013 AZ Annual Meeting LAC

The Arizona 2013 Western District meeting was a terrific success. In total the Arizona LAC entertained 390 registrants, which included 102 students. Opening day was kicked off with welcome remarks from Phoenix Mayor Greg Stanton who introduced our inspirational speakers including Jason Schechterle and Anthony Robles. Both of our inspirational speakers taught us to never give up and that we have the power to triumph over any obstacle. Flip Dunk family night treated attendees, from toddler to adult, to hip hop dancing lessons, trampoline dodge ball, bungee flipping, and basketball dunking competitions. The Annual Banquet was a white party with everyone dressed in white attire. We danced the evening away and watched our students in a dance-off. We were also fortunate to witness our past president Alyssa Reynolds sing/serenade us to Summer Nights from the hit movie Grease. Technical sessions, student and professional traffic bowls, and student competitions rounded out a terrific conference. A VERY special thanks to the local arrangements committee for their hard work, the vendors and sponsors that supported the Annual meeting and all attendees who traveled to Phoenix, Arizona in July. We had a wonderful time and look forward to seeing your faces at future meetings.

Kim Carroll & Andrew Smigielski
2013 Annual Meeting Co-Chairs

Annual Meeting Award Winners

Richard T. Romer Student Endowment Fund Recognition

- Contributor Recognitions - Ken Ackeret, Mark Spencer, Douglas Hattery, Randy McCourt, Cathy Leong, Washington Section, Hawaii Section, Montana Chapter
- Highest Overall Contribution - Washington Section
- Highest Contribution per Member - Oregon Section

William C. Kloos Traffic Bowl Awards

- First Place - New Mexico Section
- Second Place - Oregon Section
- Third Place - Southern California Section

Technical Awards

- Section Activity Award, Large Section - Southern California Section
- Section Activity Award, Small Section - San Diego Section
- Wayne T. Van Wagoner Award - Frederick Dock and Ellen Greenberg, "Multimodal and Complete Streets Performance Measures in Pasadena, CA"
- Annual Meeting Best Paper Award - Matt Weir and Jason Shykowski, "Sometimes 'Really Good' Time of Day Coordination Does Outperform Adaptive Control"

Membership Awards

- Highest Percentage Membership Gain - San Diego Section
- Highest Number Membership Gain - San Diego Section

Website Awards

- Best Website Award - Utah Chapter

WesternITE Awards

- Wisest and Windiest Scribe Award - Jeremy Jackson, Oregon Section

Student Initiatives Awards

- Student Chapter Award - California Polytechnic University, Pomona
- Student Chapter Honorable Mention - Portland State University
- Student Chapter Honorable Mention - California State University, Fullerton
- Student Paper Award - Yue Zhao, "A Multi-Criteria-Based Guideline for Marked and Unmarked Pedestrian Crosswalks at Unsignalized Intersections," University of Nevada, Reno
- Student Website Award - California Polytechnic University, Pomona
- Student Website Honorable Mention - Arizona State University
- Student Traffic Bowl - Brigham Young University
- James H. Kell Student Competition RFP - California State University, Sacramento
- Outstanding Graduate Student - Bradley Mecham, BYU
- Outstanding Educator - Eric Shen, University of Southern California

Career Guidance Awards

- Employer Recognition Award - Sanderson Stewart
- Young Professional Achievement Award - Jonathan Hofert
- Best Paper by a Young Professional - Andrew Cibor, "Countywide Roundabout Preservation Plan"

Achievement Awards

- Individual Achievement Award - John E. Fisher
- Lifetime Achievement Award - James W. Sparks
- Lifetime Achievement Award - Paul C. Box (awarded posthumously)

Call for Candidates

The Western District is seeking qualified candidates for Secretary-Treasurer and International Director to run in the June 2014 election. Candidates for Secretary-Treasurer must reside in sections within California, and candidates for International Director must have a home section outside of California. Interested individuals should contact their section or chapter past presidents who will forward the nomination to **Walter Okitsu**, Western District Past-President, wokitsu@koacorp.com.

We are also requesting nominations for Individual and Lifetime Achievement Awards. Award information is available on our website. If you plan on recommending an individual for either award, please fill out the nomination form as completely as possible. For more information, contact **Walter Okitsu**, Western District Past-President, at wokitsu@koacorp.com or (323) 859-3121.

Branding the Western District

The Western District is conducting an effort to improve communication with its members. Through this effort, it became evident that District materials were not immediately recognizable to members, as we have no unique logo or standard graphics scheme that separates us from ITE Headquarters. Therefore, the District is now requesting proposals for the development of a logo and branding scheme. Both items are to reflect the purpose, goals, and geographic location of the Western District while providing a unified appearance for all materials produced. Key submittal components including content, format and delivery requirements are provided on our website. All proposals are due by 5:00pm PST on January 6, 2014. A sub-committee of Western District officers and committee chairs will review and select the winning proposal. The selected company or individual will receive one year of complimentary advertising on all of the Western District's communication media. Questions may be directed to **Alyssa Reynolds**, Western District Communications Taskforce Chair, at ar9901@yahoo.com or (702) 633-1200.

2013 Annual Board Meeting Highlights

By Carlos Ortiz, P.E., T.E., PTOE, ITE Western District Vice President

The Western District leadership met on Sunday, July 14, 2013 at the Arizona Biltmore Hotel in Phoenix, Arizona for the Annual Board Meeting. Twenty-nine (29) people attended the meeting, including board members, committee chairs, chapter and section leaders, and others.

President **Walter Okitsu** indicated that seven E-news issues were successfully sent to our members throughout the year providing current information about the Western District. It was indicated that about 10% of our members do not have a current e-mail address on file with ITE. This includes retired members, students, and members who have changed jobs. Another 15% of our members cannot be reached via e-mail for various reasons including filters by companies/agencies spam filters. We request that our members check the information they have provided to ITE and update it appropriately.

The 2013-2014 election process was followed in accordance with the Western District's Bylaws and Guidelines. An election guidelines task force was created to review our current election guidelines and provide a list of recommendations by the 2014 Mid-Year Board Meeting. **Walter Okitsu**, **Monica Suter**, and **Jenny Grote** will comprise the task force.

Walter appointed **Ken Ackeret** to chair the Traffic Bowl Committee. The selection of the 2018 Annual Meeting location was postponed until the 2014 Annual Board Meeting.

Vice President **Karen Aspelin** provided information in regards to our 2011-2012 Fiscal Year accounting and taxes. Also, our Committee Chairs' travel budget was reduced this year. The Leadership Directory has been updated as of July 2013.

Secretary-Treasurer **Carlos Ortiz** provided information about our FY 2012-2013 current budget. Our income from October 2012 – July 2013 period totaled \$93,597.20. The sources of income to the District during the last ten months (Oct 2012 – July 2013) came from different sources:

ITE District dues final period of FY 2012 (March 23, 2012 – September 18, 2012) collected from members and affiliated government agencies; ITE District dues initial period of FY 2013 (September 19, 2012 – March 25, 2013) collected from members and affiliated government agencies; ITE 2012 Annual Meeting, Santa Barbara net income; and Positions Available advertisements.

During the last ten months (October 2012 – July 2013) expenses totaled \$36,583.33. These comprised the printing/ mailing of the WesternITE newsletter and travel expenses for Board members. Carlos indicated that the advertising/sponsorship revenue is anticipated to increase due to positive economic conditions. The Western District Board took action to authorize **Randy McCourt** and **Dalene Whitlock** to be on the 2014 LAC bank account.

Past-President **Alyssa Reynolds** explained the recommendations provided by the communications task force that included **Alyssa Reynolds**, **Michael Sanderson**, **Carlos Ortiz**, **Joey Paskey**, and **Justin Link**. We need to take advantage of social media including LinkedIn, Facebook, and Twitter. As more information is sent to our members via different communication forms (E-news, WesternITE, social media, etc.), we need to have the same branding and logo representing the Western District. A key recommendation is to create a new branding and logo for the Western District. Alyssa suggested getting proposals from firms/students to develop the new branding and logo. Another recommendation is to develop communication guidelines when using social media.

The District's three International Directors, **Michael Sanderson**, **Monica Suter**, and **Jenny Grote**, provided summaries of their recent activities. Michael presented a PowerPoint presentation and discussed the goals and objectives of the LeadershipITE Program. Michael asked the Western District to support LeadershipITE with a Platinum Level scholarship sponsorship of \$6,000. The contribution, which would fund two full-tuition scholarships, can be earmarked so that it is distributed with first priority to Western District candidates.

(continued on page 6)

2013 Annual Board Meeting Highlights (continued from page 5)

District Administrator **Rory Grindley** provided an overview of our District's elections. We had a 28% voter turn-out, a record for the past seven years. Our goal is to exceed 27%. Rory indicated that the Southern California Section did a good job on the proposed revisions to their Section's Bylaws. The changes were to allow e-balloting and to use a new format. The Central Coast Section combined the Secretary-Treasurer position. A motion was passed to authorize the District President to approve the revised Bylaws upon section approval of the bylaws.

WesternITE Managing Editor **Joey Paskey** provided a number of goals for the future of *WesternITE*: 1) Provide input to the Western District ITE Communications Plan. 2) Standardize publication dates for both printed newsletter and web updates. 3) Explore using Outlook or other options for updates/reminders. 4) Provide required District information (board reports, etc.). 5) Generate enough advertising funds to be financially self-sustaining. 6) Increase District interest by including technical and other articles of interest to the transportation community, and 7) Coordinate with Technical Chair to publish District award-winning papers in future issues.

WesternITE advertising manager **Lisa Martellaro-Palmer** reported that advertising letters were sent to 30 companies to renew their professional ads in *WesternITE* and on the website. Unfortunately, not all 30 companies renewed their ads. We need to find other ways to attract new firms and vendors to use the Western District to advertise their companies, products, and positions available.

Website Manager **Justin Link** indicated that a cloud-based file-sharing solution has been set up to facilitate communications between Board Members and Committee Chairs. Justin will provide user names and passwords to members of the Board and Chairs. We will need to monitor traffic with the addition of

file sharing capabilities to make sure we do not exceed our allotted bandwidth. Justin indicated that our webpage traffic has increased every month since the beginning of the year. The home page and compendiums are the most popular. Our Professional Services Directory was viewed approximately 645 times in the month of June.

Technical Committee Chair **Amit Kothari** indicated that in 2012, the ITE Journal included 13 articles written by authors from the Western District. The Committee reviewed these articles and selected "Multimodal and Complete Streets Performance Measures in Pasadena, CA" written by **Fredrick Dock, Ellen Greenberg, and Mark Yamarone** as the winner of the Van Wagoner award. Western District members Fred and Ellen were recognized at the Annual Awards Banquet. This year, the Committee received reports from 12 sections/chapters throughout the District. Two separate panels reviewed these reports and selected the San Diego Section and the Southern California Section as the winners in the "small" (under 300 members) and "large" (300+ members) categories, respectively. The Southern California Section's report has been submitted to ITE Headquarters for the International competition. These reports have been posted on the District website. The Technical Committee identified four best paper candidates that were further evaluated at the Annual Meeting. Additionally, some of these papers will be published in future issues of *WesternITE*. The following five ITE Student Chapters worked on data collection projects this year:

- **Montana State University** – Trip Generation Study for a Commercial Airport
- **Arizona State University** – Trip Generation Data Collection at Three Elementary Schools in Tempe
- **Brigham Young University** – Trip Generation and Parking Demand Data for a Small Office Building
- **University of Washington** – Trip Generation and Parking Utilization Data for a Mini-

Mart with a Gas Station

- **University of California at Berkeley** – Trip Generation and Parking Data Collection at Berkeleyan Building

Arizona State and UC Berkeley chapters have met the program requirements so far, and each student chapter received a \$1,000 check. In coming months, the Committee will revise the RFP as necessary and invite proposals for the 2014 program. Special emphasis will be made on specific points that disqualified several well-written proposals during the last couple of years.

Vendor/Industry Committee Chair **Janna McKhann** is assisting the Arizona LAC to attract vendors for the 2013 Annual Meeting. Janna is attending all Southern California ITE meetings, local area IMSA meetings, and other industry meetings. Janna indicated that she is coordinating with other industry groups to prevent conflicting dates for future conferences.

Janna has contacted local ITE groups and checked schedules six months in advance for conflicting meetings or events. Janna has received input from vendors for future ITE Annual Meetings. Janna is trying to encourage more participation from vendors at ITE District, Sections, and Chapter meetings. Janna will be assisting the Rapid City LAC with names of possible vendors to support the 2014 Annual Meeting.

Student & Faculty Initiatives Committee Chair **Danielle Scharf** reported that the Student Traffic Bowl will be held at this year's Annual Meeting. The winning school will represent the Western District at the ITE Collegiate Bowl in Boston, Massachusetts. The Western District received four proposals for the James H. Kell RFP Competition and Sacramento State was selected for their proposed Pedestrian Access Game. The Western District received 19 student chapter reports in 2013. Cal Poly Pomona was once again selected as the winner and Portland State University and Cal State Fullerton received

honorable mentions.

The Western District received four student paper submittals in 2013. **Yue Zhao** from the University of Nevada, Reno, was selected as the winner for her paper entitled "A Multi-Criteria-Based Guideline for Marked and Unmarked Pedestrian Crosswalk at Unsignalized Intersections." Also, **Bradley Mecham** from Brigham Young University was selected as the Outstanding Graduate Student. The committee also awarded the Outstanding Educator Award to **Eric Shen** from the University of Southern California. The committee received 12 submittals for the 2013 Student Chapter Website Award. **Cal Poly Pomona** was selected as the winner and **Arizona State University** received honorable mention.

Student Endowment Committee Chair **Cathy Leong** indicated that the Endowment Fund (EF) Committee has updated the EF website, forms, and awards to reflect the renaming of the EF to the "Richard T. Romer Student Endowment Fund." The EF spotlight continues to run bi-monthly on our website. The 2013 recipients of the EF awards were **Ken Ackeret, Mark Spencer, Randy McCourt, Douglas Hattery, Cathy Leong, Montana Chapter, Hawaii Section, and Washington Section**. The Washington Section was the winner for the Highest Overall Contribution to the Student Endowment Fund. The **Oregon Section** was the winner for the Highest Contribution per Member to the Student Endowment Fund. A special recognition plaque in memory of **Rich Romer** was presented to his family at the Annual Meeting.

Public Relations Committee **Chuck Huffine** indicated that the Public Relations Committee has turned its focus to two primary assignments. The first is addressing "Traffic Engineer Bashing (TEB)" – the misconception that traffic engineers only build roads to accommodate single-occupant vehicles. So far, we have obtained some good initial input from ITE members through a posting

(continued on page 7)

in the ITE Community, which spurred a good discussion of the issue. The committee would like to determine what role ITE can play in changing the engineers, the perceptions, or both. The second focus is “Inaccurate Media Reporting.” The committee is working to determine the means by which our District can start to improve the accuracy of the messages that are reported to the traveling public.

Phoenix 2013 LAC Chair **Kim Carroll** presented an overview of the Phoenix Annual Meeting including an update of the number of registrations, including members, students, and vendors. Also, an update of the meeting expenses and revenue was provided. In addition, Kim provided an update of the keynote speaker, lunch speaker, technical sessions, technical tours, family night, traffic bowl, student activities, and awards banquet.

Rapid City 2014 LAC Coordinator **Randy McCourt** indicated that since our mid-year Board Meeting various efforts have been accomplished. The Memorandum of Understanding (MOU) is fully executed between both the Midwest and Western districts. The LAC has nearly been fully staffed. A theme for the Annual Meeting has been chosen – “Joining Together in Friendly Compact” – which is the Native American definition of “Dakotah.” The Annual Meeting website should be ready in July and accessible to members. Visit Rapid City (visi-

tors’ bureau) has been extremely helpful in arranging publicity. Advance registration will start in November. A discount will be provided for early registrations.

Las Vegas 2015 LAC Co-Chair **Alyssa Reynolds** indicated that the hotel has been selected. The LAC is discussing meeting topics including Family Night. The LAC requested from the District an advance loan of \$3,000.

Albuquerque 2016 LAC Chair **Jim Barrera** introduced **Paul Barricklow** as the LAC Co-Chair and **Bert Thomas** as the LAC Technical Committee Chair. The New Mexico Section has provided a \$2,000 advance to open a checking account and begin promotional activities. **Jim Barrera** has been coordinating with **Rory Grindley** and **Carlos Ortiz** to get the LAC account through Wells Fargo Bank. A preliminary budget was presented at the Board Meeting. It included low, medium, and high scenarios with regard to projected registrations and sponsorships.

San Diego 2018 LAC Chair **Joe de la Garza** was not present, but provided his report. The LAC has received three proposals from hotels. Tentative meeting dates are June 25 – June 28. The Board indicated that the LAC should investigate possible conflicts with other meetings on the same dates.

The meeting adjourned at 5:44 pm. The next board meeting will be the 2014 Mid-Year Board Meeting in Las Vegas, Nevada.

independently selected by the City for implementation of this pilot project.

The 1.5-mile section of Sierra College Boulevard between Douglas Boulevard and Old Auburn Road has five signalized intersections, all of which are interconnected and are operated in coordinated fashion. The eastbound Indigo Creek Road and westbound Old Auburn Road approaches to Sierra College Boulevard were also included to assess the adaptive control system’s effect on side-street vehicles. These two approaches were identified due to their lane configurations, turning movement patterns, and available vantage points.

BASELINE CONDITIONS

Prior to the initiation of the adaptive pilot project, the study corridor operated with time of day signal coordination. **Table 1** provides a summary of the time of day periods and their associated cycle lengths that were in place at the onset of this study.

Table 1 – Baseline Time of Day Coordination Parameters

Period	Time Period	Cycle Length
AM	7:00 am – 9:00 am	120 seconds
MID	9:00 am – 12:30 pm	
PM	12:30 pm - 6:30 pm	
Post-PM	6:30 pm - 7:00 pm	

Baseline Data Collection

Prior to the implementation of the adaptive system, weekday peak period travel time runs were conducted for the Sierra College Boulevard corridor from Douglas Boulevard to Old Auburn Road to quantify existing travel time, delay, number of stops, and speed along the corridor. Travel time runs were conducted using the TruTraffic® computer software with GPS, and were performed in accordance with the *Institute of Transportation Engineers’* “floating vehicle” methodology. As required, a minimum of 10 peak-period travel time runs were collected for the weekday AM, Mid-day, and PM peak periods. Table 2 provides a summary of the baseline data collection parameters.

(continued on page 14)

2014 Annual Meeting Update



Dakotah
“Joining together in friendly compact”

For the last five years many of you have heard of the joint Western/Midwestern District (the first of its type!) Annual Meeting in Rapid City, South Dakota. This will not be your ordinary Annual Meeting. It will be tailored to you and by you to provide you many unique opportunities to learn, share, network, explore and build relationships. Please consider planning now – book your room now – and register for an event of a lifetime for you and your family! Find us at: www.2014ITE.com, and follow us on Twitter at @2014JointMtgRC and at [facebook.com/2014ITEJointDistrictMtg](https://www.facebook.com/2014ITEJointDistrictMtg).

Western District Committee Updates

The following are updates from the Western District committees:

Career Guidance

By Neelam Sharma, T.E., Career Guidance Committee Chair

The purpose of the Career Guidance Chairperson Position is to promote the advancement of the transportation planning and engineering profession by fostering the close association of senior professionals within the industry, ITE, and young professionals.

The Career Guidance Chair is responsible for assisting professional members in the Western District with career guidance and providing opportunities to enhance career growth. The Chair is responsible for promoting and supporting opportunities for training and continuing education for Western District members. As required by all chair positions, the Career Guidance Chairperson shall provide a report to the Board prior to the mid-year and annual Board meetings.

The Career Guidance Chairperson is also responsible for the three young professional awards that are presented at the Annual Meeting:

- The Western District Young Professional Achievement Award recognizes young professionals who have shown exceptional dedication to the transportation profession through ITE service, have significant accomplishments that benefit the profession of transportation engineering/planning, and/or have participated in mentoring transportation professionals.

(continued on page 10)

MiteY Race Update

By Cathy Leong, P.E., MiteY Race Coordinator

Thank you to all of our supporters at the recent Western District Annual Meeting in Phoenix, AZ! We kicked off the meeting on Saturday with the third installment of the MiteY Race with seven family/friends teams and 12 student teams completing fun but challenging tasks to solve a mystery at the Arizona Biltmore Hotel. The top family & friends teams were:

- 1st Place: MiteY Minions – Mark and Alex Spencer from Fremont, CA
- 2nd Place: Four Moore – Devin, Karina, Becca, and Avery Moore from Las Vegas, NV
- 3rd Place: Hot Rods – Kenny, Jade, and Elizabeth Rodriguez from Las Vegas, NV

This year's race included a surprise for our student teams who had an additional task to complete during the Get Acquainted Social on Sunday night. The top student teams were:

- 1st Place: Pistol Pete – Edward Offei and Rebecca Franke from the University of Wyoming
- 2nd Place: Cowboy Joe – Eric and Vijay Sabawat from the University of Wyoming
- 3rd Place: Yellow Lite – Kevin Mach and Brandon Wong from Cal Poly Pomona

All of the teams that finished the race were eligible for our Grand Prize drawing of two Samsung Galaxy Tablets.

The Grand Prize winners were the student team from UCLA. Finally, thank you to our sponsors, W-Trans and Wilson Okamoto Corporation, for their support of the Student Endowment Fund. Please visit our Facebook page (www.facebook.com/TheMiteYRace) for more photos of this year's race and updates about next year's race in Rapid City, SD!



Student Winners, Pistol Pete



Family & Friends Winners, MiteY Minions

Section and Chapter Activities

The Sections and Chapters of the Western District are busy! Highlights of their activities are provided below:

Alaska Section (Report provided by Erica Jensen)

- The inaugural Beer and Wine Tasting & Silent Auction Event was held, and all proceeds went to the Section's newly established scholarship fund. It was our first event and we were excited about how much we raised for scholarships- a \$2,000 scholarship was awarded to **Liliane Ulukivaola**, of the University of Alaska Fairbanks!



Alaska Section Beer and Wine Tasting & Silent Auction

- The 2nd Annual Beer and Wine Tasting & Silent Auction will be held in November, with all proceeds going to the engineering student scholarship fund.
- Zaki Mustafa**, ITE International President, visited the Section in September to give a talk at the monthly meeting

on creating pedestrian friendly spaces in the right-of-way.



Zaki Mustafa's Presentation to the Alaska Section

Central Coast Section (Report provided by Steve Orosz)

- Section elections are coming in November, and results will be announced at the December meeting at the City of Ventura.
- Section funded the 2012 ITE Western District Champion **Cal Poly San Luis Obispo Student Chapter Traffic Bowl team** to Phoenix for the 2013 ITE Western District Meeting.
- Professional development opportunities and events have been held regularly within the Section including a vendor show and a golf tournament to raise funds to provide scholarships and travel assistance to the **Cal Poly San Luis Obispo ITE Student Chapter** for the Western District ITE Annual Meeting.

Hawaii Section (Report provided by Sara Toyama)

- Current officers are: **Mike Packard**, President; **Brian Gibson**, Vice President; **Sara Toyama**, Secretary; **Robert Nehmad**, Treasurer; and **Steven Yoshida**, Director



New Hawaii Section officers' swearing-in

- The Annual Meeting was held at SSFM International in June, where the Section welcomed honored guest and featured speaker ITE International President **Zaki Mustafa**. The Section thanked the Section's Past Presidents in attendance at the Annual Meeting with custom engraved ITE Hawai'i name plates:



Hawaii Section Past Presidents

- Professional development opportunities and events have been held regularly within the Section. Upcoming meeting topics include the Waikiki Transit Circulator Study, West Waikiki Traffic Study, and the Kaka'ako Complete Streets Demonstration.
- The Hawai'i Section is working with the **ITE Student Chapter at University of Hawai'i at Manoa** to hold a Section Meeting at the School of Engineering, to give an exciting presentation to the students to encourage them to pursue their engineering careers in transportation.
- The Hawai'i Section is pleased to congratulate their very own, **Cathy Leong**, on being elected ITE Western District Secretary-Treasurer!

Intermountain Section (Report provided by Bruce Christensen)

- Current officers are: **Bruce Christensen**, President; **D.J. Clark**, 1st Vice President; **Tim Boschert**, 2nd Vice President; **Devin Moore**, Secretary-Treasurer; and **Molly O'Brien**, Past President
- Student scholarships were awarded to **Thanh Le**, University of Utah, and **Yue Zhou**, University of Nevada-Reno.
- Student paper awards were presented to **Saeedeh Farivar**, University of Nevada-Reno, "A Capacity Model for Right Turn Channelized Intersections Under Blockage Conditions"; and **Yue Zhao**, "Safety Performance at Marked and Unmarked Pedestrian Crosswalks at Unsignalized Intersections."
- The Intermountain Section Project of the Year was the Sand Creek Byway, completed by **URS** and the **ITD**.
- The Intermountain Section Outstanding Technical Paper was "Transportation Planning in Rural Communities" authored by **Thomas McMurtry**.

Traffic Bowl – 2014 Annual Meeting Volunteers Needed!

By Ken Ackeret, P.E., Ph.D., PTOE, Traffic Bowl Committee Chair

You may already know that our next District Annual Meeting will be in Rapid City, SD, as a joint meeting with the Midwestern District. Since this is a joint meeting, we do not have a normal local arrangements committee to staff and support the District student and professional traffic bowls.

As your new Traffic Bowl Committee Chair for the Western District, I can use your help at the annual meeting for a number of Traffic Bowl activities. If you are planning on attending the meeting next summer, please let me know if you are willing to help out. If you are not planning on attending, you can still help with the development of Traffic Bowl questions, for both the students and the professionals. To volunteer, please contact **Ken Ackeret** at ken.ackeret@kimley-horn.com or (702) 862-3601.

P.S. The meetings are always more enjoyable when you volunteer.

(continued on page 13)

Western District Committee Updates (continued from page 8)

- The Employer Recognition Award of the Western District ITE is an effort to recognize employers for supporting young professionals (professionals 35 years or younger) in ITE activities, technical training and professional development/mentorship.
- The Best Annual Meeting Paper by a Young Professional award recognizes the author of a paper judged to be the best technical paper presented at the ITE Western District Annual Meeting by a Young Professional (35 years old or younger).

Legislative

By Tom Mericle, Legislative Committee Chair

California

- AB 417 - This bill would exempt from environmental review a bicycle transportation plan for an urbanized area. Status: Approved and waiting for signature by the Governor.
- SB 743 - This bill would, among other things related to the Sacramento Kings Arena, change the environmental assessment of transportation impacts in "transit priority areas" from looking at Level of Service (LOS) to looking at the project's impact on air quality, noise, safety, and overall mobility. The bill also limits lawsuits on urban projects related to parking and aesthetic standards. The environmental impact sections were added on to the Arena bill as an amendment. Status: Approved and waiting for signature by the Governor.

Nevada

- AB 236 - Nevada would have become the first state in the nation to legalize lane-splitting maneuvers by motorcycles. The bill easily passed the Assembly, but was defeated in the Senate.

New Mexico

- SB 340 - This bill removes the \$10 million maximum allowable construction cost for design and build project delivery systems that are determined to be in the best interest of the state or a local public body after consideration of minimum efficiency and adequacy criteria. Passed and signed into law.

Utah

- HB 83 – Expands the areas that UDOT may study to determine whether to raise speed limit beyond the statutory limit of 75 MPH. Areas open for study: I-15 from Brigham City to Idaho line, I-15 from south Santaquin to the north Leeds exit, I-80 from MP 99 Mills Jct to the Nevada line, and I-84 from Tremonton to Idaho line. As provided in current code, if UDOT posts a higher speed limit in any of these areas, UDOT must report the results and findings to the Transportation Interim Committee within one year of posting the higher limit. Status: Approved and signed into law.
- HB 294, HB 297, HB 299, HB 316 – Series of individual bills that affect operation of bicycles on highways including:
 - o Allowing drivers to pass in certain circumstances, including passing bicyclists in no-passing zones.
 - o In certain circumstances, allowing drivers to use the center turn lane to pass bicyclists.
 - o Prohibits local entities from restricting bicyclists from local highways unless the reason is documented and another alternate route is signed and provided.
 - o If the operator of a bicycle or motorcycle receives a traffic ticket for going through a red signal, the person may seek a waiver in court if 1) the person waited at least 90 seconds before determining the

signal did not detect their presence, 2) no other vehicles were entering the intersection, and 3) no pedestrians were present.

- o All of the bills were approved and signed into law.
- SB104 – Defines "vulnerable users of highways" as pedestrians, bicyclists, and motorcyclists. Modifies the "3 foot rule" to definitively prohibit drivers from operating within 3 feet of a bicyclist. Removes the previous exception that allowed a driver to operate closer than 3 feet as long as it was "reasonable and safe."
- SB 196 – Prohibits a person or government entity from using automatic license plate reader systems except for purposes outlined in the bill which includes collecting electronic tolls or enforcing motor carrier laws. A government entity can only preserve information collected for nine months. Status: Approved and signed into law.

If you have any legislative information or would like certain legislation to be tracked and reported, please contact the Legislative Chair, **Tom Mericle**, at tmericle@cityofventura.net. Thanks to **Roberta McLaughlin**, **Steve Eagan**, **Martin Varona**, and **Richard Hibbard** for their contributions to this Legislative Update.

Public Relations

By Chuck Huffine, P.E., PTOE, AICP, Public Relations Committee Chair

The Public Relations committee is busy focusing on two main areas. This first is combating Traffic Engineer Bashing. We have all either experienced it or heard about it from someone else. Some is warranted, but some is not. Our committee is getting input from ITE members all across the country regarding this issue, in an attempt to answer a few key questions:

1. Is some traffic engineer bashing warranted?

2. Why are some traffic engineers still focused on the single-occupant vehicle?
3. How can ITE members help to change both the SOV-centric traffic engineers, and the incorrect public perceptions?

Our goals are to publish a paper in the ITE Journal, coordinate roundtable sessions at the ITE Western District and International meetings in 2014, and use the paper to address specific issues of traffic engineer bashing as they occur. We welcome any input regarding instances of traffic engineer bashing and how they were handled. Please e-mail me at chuck.huffine@jacobs.com.

The second area is promoting the accomplishments of our members and profession. This will occur as accomplishments emerge, but our committee is cognizant of the fact that we need to disseminate information that the target audiences will be interested in. One event that we are already working on is the upcoming first student conference of the Western ITE members. If you learn of any other items that the general public or key leaders/groups outside of ITE may like to know about, please e-mail them to me.

Student Initiatives

By Danielle Scharf, P.E., PTOE, LEED AP, Student Initiatives Committee Chair

The following report provides a summary of the 2013 ITE Western District student award winners.

Student Chapter Award

The purpose of the Student Chapter Award is to recognize student chapters that have shown outstanding accomplishments and activities. The winner is selected by a committee that reviews all of the annual reports. This year we received annual reports from 19 student chapters, and the winner was Cal Poly Pomona. The winner received a plaque, \$200 for the chapter's general fund and \$1,000 for travel reimbursement to attend

(continued on page 12)

Student Endowment Fund Update

By Cathy Leong, P.E.

The purpose of the Western District Student Endowment Fund is to ensure a “stable and continuing flow of students who are excited and passionate in the career opportunities afforded by transportation engineering and planning.” In the spirit of this mission, the ITE Western District Board has voted to rename the fund after an engineer who left behind a legacy of well-trained, well-educated, and enthusiastic ITE professionals. The following Endowment Fund spotlight is written by **Alyssa Reynolds**, Past-President of the ITE Western District and protégée of **Richard T. Romer**. The following is her message regarding the renaming of the Endowment Fund to honor him.

Richard T. Romer believed in right and wrong, in doing things the correct way without cutting corners, and that ethics were of the utmost importance for public safety and the integrity of any profession. Fittingly, Rich worked as a transportation engineer and had over 41 years of experience in the profession. The engineering field was designed for Rich. His career path took him from Scottsdale, AZ to Palm Springs, CA and ultimately to Las Vegas, NV. During this time he served on numerous committees and held elected office at all levels within the Institute of Transportation Engineers including International President in 2006. He won numerous awards including the Burton W. Marsh Distinguished Service Award and the James L. Pline Award. Rich’s work on pedestrian infrastructure in Clark County led the development of the Las Vegas “Strip” as it is now.



Richard T. Romer

But, in addition to the awards he’s won, the offices he was elected to, and the projects he completed; Rich has led generations of young engineers to continue along his path. His leadership is not only evident in the many offices and positions he held in ITE and other professional societies, but also in the number of students and young professionals he shepherded into these same professional societies. He instilled the importance of balancing professional workload with contributions to the professional societies to further grow the transportation profession. In particular, Rich had a unique knack in indoctrinating students into ITE during conferences and other ITE events. In addition to encouraging his staff and colleagues to join professional societies, Rich encouraged (cajoled, nagged, etc.) many others to complete degrees, obtain advanced degrees and achieve professional licensure. There are many engineers who can trace their careers back to Rich and thank him for the path he started them on. He also stressed the importance of balancing professional life with family life.

The following was written by Rich in September 2010 in support of the Western District (District 6) Student Endowment Fund.

“ENSURING A SUSTAINABLE FUTURE OF THE YOUNGER YOU”

Sustainability is a word used to describe many things these days, so why not in relation to the development of a sustainable future for our most important asset, the student members of the Institute of Transportation Engineers (ITE), the “younger you”. The District 6 Endowment Fund ensures the sustainability of all the student services provided by District 6 and the potential for the growth of those services in the future.

Obviously, the future of our profession and ITE rests in the hands of our student members and younger professional members. A well-known author stated that:

“The young do not know enough to be prudent, and therefore they attempt the impossible—and achieve it, generation after generation.”

Some remarked that the goal of the District 6 Endowment Fund could not be reached. The same remarks were made about the efforts of the Montana State University Student Chapter to create an endowment fund of \$100,000. They did it in a shorter period of time than anticipated. So if a student chapter can do it, the mighty Western District should have no problem in doing what the younger members have shown to us is not impossible. Individual members, chapters, sections and committees plan now to contribute and crank up the volume to spread the word that this is a very important thing for everyone to do.

“One can never consent to creep when one feels an impulse to soar”

Follow that impulse to soar, and do the right thing now by contributing to the District 6 Endowment Fund. We need to provide our “future” with the opportunities and resources to face the challenges of not only improving safety and reducing congestion, but to face the seemingly impossible challenges to eliminate global warming, reduce greenhouse gas emissions and to improve our quality of life and standard of living. They need our help and we need theirs.

So, how are we doing so far? The typical answer is, we have raised over \$220,000 towards the goal, but the real results are seen by the involvement of student members and young professionals. They have responded. Over 140 students attended and participated in the recent District 6 Annual Meeting held in San Francisco – a new record. At the Intermountain Section held in Jackson Hole, Wyoming 44 students attended. This is a great performance measurement.

“Raise them well, so that they can make a lot of money to support you in your old age.”

We all need to “raise them well” so that the Institute, the profession and society are in good hands in the future.

Western District Committee Updates (continued from page 10)

the annual meeting. Honorable Mention went to California State University, Fullerton, and Portland State University.

Both of these student chapters received a certificate and \$50 for the chapter's general fund, in addition to the \$100 that all student chapters receive for submitting an annual report.

Student Paper Award

The purpose of the Student Paper Award is to encourage student members of the District to conduct and report on independent research and investigation of transportation engineering subjects and to provide a means for recognizing outstanding accomplishment in this area. This year we received six papers that were reviewed by a committee of three judges from across the District. The winner was **Yue Zhao** from the University of Nevada, Reno, with the paper "A Multi-Criteria-Based Guideline for Marked and Unmarked Pedestrian Crosswalks at Unsignalized Intersections." Yue received a plaque, a \$500 award and an additional \$500 in travel funds to attend the annual meeting and present her paper.

Student Website Award

The purpose of the Student Website Award is to encourage student chapters to document their activities and accomplishments and promote the benefits of ITE membership. The winner was Cal Poly Pomona, and honorable mention went to Arizona State University. The winner received a certificate and a \$200 award, while honorable mention received a certificate and a \$50 award.

Student Traffic Bowl

The fifth annual Student Traffic Bowl was held at the Annual Meeting in Phoenix and 11 student chapters participated. The winning team was **Brigham Young University**, comprised of Shawn Larson, Trevor Briggs, and Seishi Yamagata. The winners received the Western District Student Traffic Bowl traveling trophy, a certificate, and \$2,000 in travel funds from ITE International to attend the annual meeting in Boston to compete in the Collegiate Traffic Bowl Grand Championship.

James H. Kell RFP

The James H. Kell Student Competition is intended to give Student Members attending the Annual Meeting an opportunity to apply transportation and traffic engineering classroom knowledge to a specific "real-world" problem. The competition also gives students the chance to meet and interact with students from other schools. The District issues a request for proposals inviting ITE Student Chapters to define and run the Student Competition at the Annual Meeting. The winning Student Chapter is awarded up to \$1,500 to cover material costs and help defray travel expenses of students and their Faculty Advisor to attend the Annual Meeting. The winner of the RFP process this year was **California State University, Sacramento**, for their Pedestrian Access Game.

James H. Kell Competition

Over 45 students participated in the Kell Competition hosted by Cal State Sacramento and the following individuals were on the winning teams:

1st Place: 2 Way Street – split \$600 four ways or \$150 each

- Marion Cartas, Cal Poly Pomona
- Leonardo Flores, San Diego State
- Vijay Sabawat, University of Wyoming
- Andrew Scales, Cal Poly San Luis Obispo

2nd Place: Team GR8 – split \$300 three ways or \$100 each

- Matthew Vo, CSU Fresno
- Robert Kopelk, Cal Poly Pomona
- Seishi Yamagata, BYU

3rd Place: High Fives – split \$100 four ways or \$25 each

- Kevin Lu, Cal Poly Pomona
- Paul St. Pierre, Cal Poly Pomona
- Eric Milliken, University of Wyoming
- Arturo Sotomayor, San Diego State

Outstanding Student Awards

The purpose of these awards is to recognize both an undergraduate and graduate student who have shown exceptional dedication to the transportation profession, extraordinary enthusiasm for ITE and unwavering professionalism in transportation research or an intern position. The 2013 winner for Outstanding Graduate Student was **Bradley Mecham** from Brigham Young University. No candidates were nominated for outstanding undergraduate student this year.

Outstanding Educator

The purpose of the Outstanding Educator award is to recognize an educator who has shown

extraordinary creativity in teaching, taken exceptional measures to spark student interest in the transportation profession, provided unwavering encouragement for student endeavors or shown unequalled service to ITE.

The winner this year was **Eric Shen** from the University of Southern California. Eric is a part-time professor and faculty advisor of the USC student chapter in addition to his full-time job as Director of Transportation Planning at the Port of Long Beach. He has been actively involved in ITE and TRB at many different levels and has obviously had a positive impact on many students. He also played a key role in the establishment of the USC ITE Student Chapter in 2011 and their level of involvement has been steadily increasing ever since. Congratulations to Eric on this much-deserved recognition.

Western District Fellowship

This award process is conducted by ITE Headquarters and they did not receive any applications that met the eligibility requirements this year.

The Student Initiatives Committee is currently seeking volunteers to serve on the review committees for the various student and faculty awards for the coming year. If you are interested in volunteering, or would simply like more information about these awards and activities, please contact **Danielle Scharf**, Student Initiatives Chair, at dscharf@sandersonstewart.com.

Section and Chapter Activities (continued from page 9)

- The Intermountain Section Board voted to support the LeadershipITE initiative in the form of a \$3000 contribution.
- The Intermountain Section Meeting will be held on May 15-17, 2014, in Jackson, WY. Please save the date!

Montana Chapter (Report provided by **Joey Staszczuk**)

- Current officers are: **Joey Staszczuk**, President; **Danielle Bolan**, Vice President; **Trevor Iman**, Secretary-Treasurer; and **Erin Claunch**, Past President
- Professional development opportunities and events have been held regularly within the Chapter. Upcoming meeting topics include the Joint Engineers Conference in November.
- The 2013 Montana Chapter Travel Scholarship winner was awarded to **Aaron Berger**, Stelling Engineers, Inc.
- Members of the Chapter are excelling at even higher levels of ITE, as **Joey Staszczuk** was awarded the ITE Transportation Consultants Council Young Professionals Scholarship, and **Danielle Scharf** was selected into the Leadership-ITE program's inaugural class.
- The Chapter works closely with ITE student chapters including attending the **MSU-ITE Social** in collaboration with MSU Fall Career Fair and funding MSU-ITE students to help in Billings Crosswalk Compliance Study.
- The Chapter continues to support the Intermountain Section Scholarship Fund, Western ITE Student Endowment Fund, MSU Student Endowment, and WTI Summer Transportation Institute Camps with donations.



Montana Chapter member, Pat McGowan, captivated by the stellar presentations at the annual Intermountain Section Meeting

Nevada Chapter (Report provided by **Johnnie Pate**)

- Current officers are: **Johnnie Pate**, President; **Katy Cole**, 1st Vice President; **Rick Schroder**, 2nd Vice President; and **Kondala Rao Mantri**, Secretary-Treasurer
- Professional development opportunities and events have been held regularly within the Chapter, held the 3rd Thursday of each month in Las Vegas, NV.

Oregon Section (Report provided by **Jeremy Jackson**)

- Current officers are: **Nick Nys**, President; **Mike Ard**, Vice President; **Anthony Buczek**, Secretary-Treasurer; and **Diego Arguea**, Past President
- **Jeremy Jackson** of HDR was awarded the "Wiseest and Windiest Scribe" by Western District.
- The Oregon Section was recognized as the **largest contributor to the Western District Student Endowment Fund in 2012-2013** at the Annual District meeting held in Phoenix, AZ.
- Professional development opportunities and events have been held regularly within the Section including monthly meetings, joint meetings between the Oregon ITE Simulation Roundtable and ITS Subcommittee, happy hours, and the OTREC Oregon Transportation Summit and the ITE Oregon Golf Tournament. Upcoming events include the 22nd Annual William C. Kloos Traffic Bowl.

Riverside-San Bernardino Section (Report provided by **Daniel David**)

- **Mark Shisler** of Cal Poly Pomona became the recipient of the 1st Annual RSBITE Scholarship.
- Professional development opportunities and events have been held regularly within the Section, including a presentation dedicated to the evolution of the City of Corona's traffic signal system.



RSBITE Visit to City of Corona TMC

- Upcoming event dates in 2014 are set for January 16 (RSBITE Vendor Show), March 21 (RSBITE Golf Tournament), May 15 (Student Presentations), and June 19 (Elections).

San Diego Section (Report provided by **Ryan Zellers**)

- The San Diego Section was awarded (for the 5th consecutive year) the Western District award for the best section activities for a small section, highest percentage gain, and highest numbers gain, as summarized in the section's Annual Report. The award was presented during the Western District Annual Meeting in Phoenix in July.
- Professional development opportunities and events have been held regularly within the Section, including a business mixer, golf tournament, summer social event, mini-vendor show, and joint meetings with the **ITE SDSU Student Chapter**. Upcoming events include the annual luncheon at the Prado in Balboa Park with ASCE, WTS, APWA, SDHDA, on December 9, and the Section Holiday Party to be held at Humphrey's By the Bay, on Saturday, December 14.



San Diego Section Golf Tournament Participants

- The **ITE SDSU Student Chapter** has had a full schedule of fundraising events and volunteering including ITE SD Section Golf Tournament, organizing the ITE Final Beach BBQ, attending the ITE Arizona Western District Conference, a Padres game volunteer fundraiser, and participating in the Student Involvement Expo and Aztec Nights Carnival Night.
- Current ITE SDSU Student Chapter officers are: **Jorge Cuyuch**, President; **Jonathan Sanchez**, Vice President; **Luis Cantabrana**, Secretary; **Leonardo Flores**, Treasurer; and **Miguel Cruz**, AESC Representative
- Members of the ITE San Diego Section Transportation Capacity and Mobility (TCM) Task Force, including **Mike Calandra** of SANDAG, **Cara Leone Hilgesen** of LLG, **Allison King** of SANDAG, **Andy Schlaefli** of Urban Systems, authored a white paper on "Vehicle-Miles Traveled Calculations Using the SANDAG Regional Travel Demand Model." The paper is planned to be vetted through ITE for potential publication in addition to other regional and national task forces.

San Francisco Bay Section (Report provided by **Afsaneh Yavari**)

- Current officers are: **Jia Hao Wu**, President; **Kimberly E. Leung**, Vice President; **Lin Zhang**, Secretary; and **Paul Stanis**, Treasurer
- Professional development opportunities and events have been held regularly within the Section, including program topics of data and expert witness testimony, green transportation, traffic signal timing, transportation modeling, and regional multi-modal methodologies.
- ITE Lifetime Member Recognition Awards were presented by **Mousa Abbasi** to the following members: **Thomas J. Clausen**, **Donald Costa**, **Peter B. Mandle**, **Ronald J. Marquez**, **Robert N. Preston**, **Wayne K. Tanda**, and **Lawrence N. Thompson**.

Time of Day Coordination (continued from page 7)

Table 2 – Baseline Data Collection Parameters

Period	Time Period	# Travel Time Runs (NB/SB/Tot)+
AM	7:00 am – 8:30 am	10 / 11 / 21
MID	11:00 am – 12:30 pm	11 / 11 / 22
PM	4:30 pm – 6:30 pm	10 / 10 / 20

+ NB = Northbound, SB = Southbound, Tot = Total

Additionally, side-street control delay was determined in accordance with the procedures outlined in the *Highway Capacity Manual (HCM 2010)*. This side-street delay analysis was conducted for the two previously identified locations. A survey period of 20 to 30 minutes was used during which vehicle arrivals and vehicle queues were recorded.

PROJECT CONDITIONS

Following the implementation of the adaptive system, the City allotted an approximately 30-day period during which the corridor operations were monitored and fine-tuned by City and vendor staff. This 30-day period was used to allow the system to adjust to the recurring traffic patterns, and to build a system database of the fluctuating system demand.

Project Data Collection

As was completed for the baseline condition, weekday peak period travel time runs were conducted for the Sierra College Boulevard corridor from Douglas Boulevard to Old Auburn Road to quantify “with project” travel time, delay, number of stops, and speed along the corridor. As required, a minimum of 10 peak-period travel time runs were collected for the weekday AM, Mid-day, and PM peak periods.

Table 3 provides a summary of the project data collection parameters.

Table 3 – After Data Collection Parameters

Period	Time Period	# Travel Time Runs (NB/SB/Tot)+
AM	7:00 am – 8:30 am	10 / 10 / 20
MID	11:00 am – 12:30 pm	11 / 11 / 22
PM	4:30 pm – 6:30 pm	10 / 10 / 20

+ NB = Northbound, SB = Southbound, Tot = Total

Side-street control delay was collected for the two previously identified locations. A survey period of 20 to 30 minutes was used during which vehicle arrivals and vehicle queues were recorded.

The project data collection was performed on Tuesday, April 24, 2012, which was determined to represent typical weekday conditions, and was overseen by a registered Civil Engineer. Conditions were monitored to ensure the absence of unusual conditions such as weather, traffic accidents, road construction, emergency preemptions, etc.

PERFORMANCE EVALUATION

The before and after data were compiled from TruTraffic® to facilitate a comparison of select measures of effectiveness (MOEs) for both Sierra College Boulevard and the two side-street approaches. Table 4 provides a summary of the MOEs used for the performance evaluation of the system.

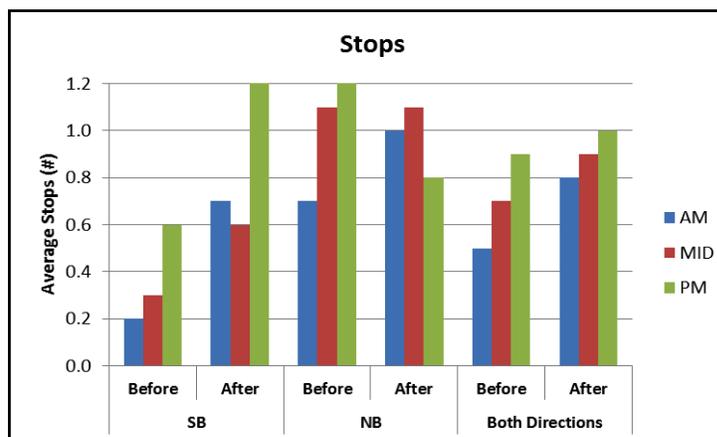
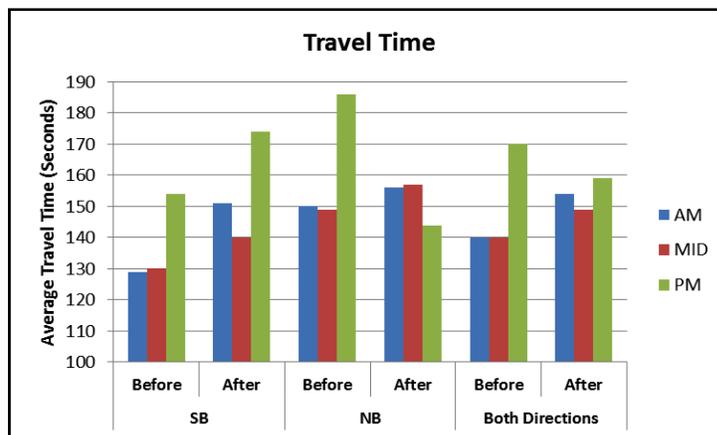
Table 4 – Measures of Effectiveness

MOE	Unit	Facility
Average Travel Time	seconds	Sierra College Boulevard
Average Delay	seconds	
Average Stops	number (#)	
Average Speed	mph	
Average Delay per Stopped Vehicle	seconds	Side-Streets
Average Delay per Approach Vehicle	seconds	
Percent Vehicles Stopped	percent (%)	

Sierra College Boulevard Results

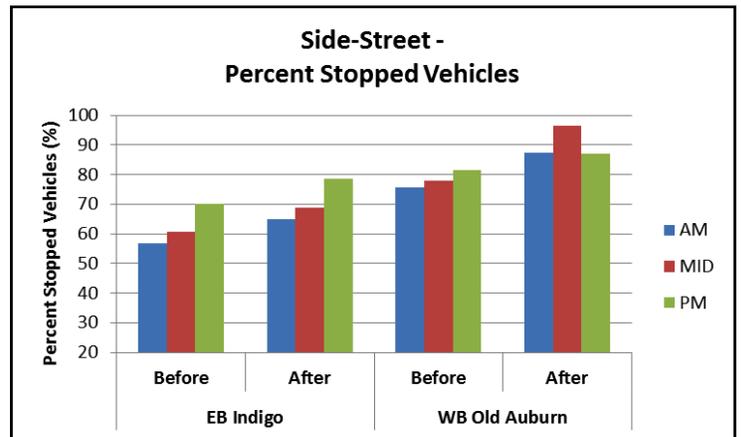
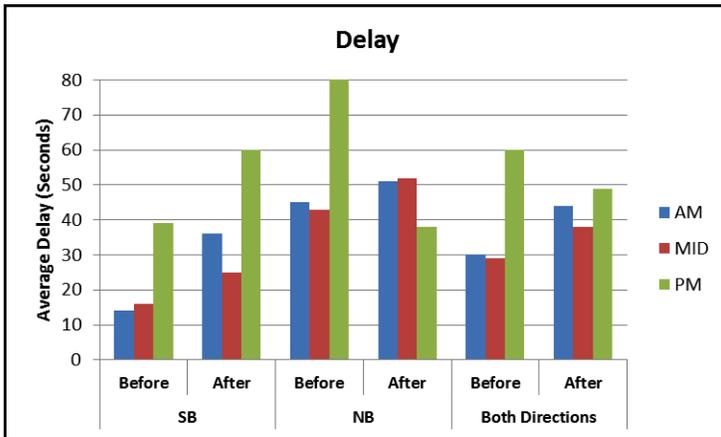
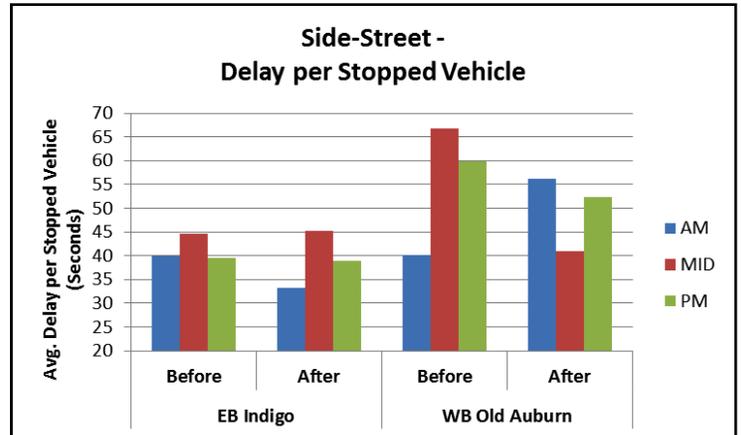
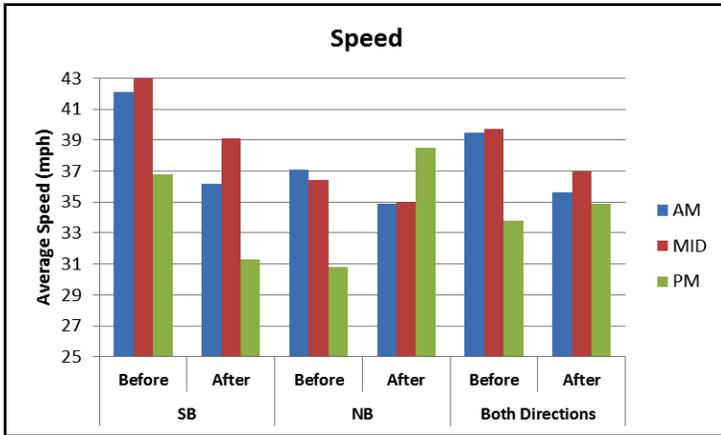
Graphs depicting the comparison data for the average delay MOE for Sierra College Boulevard operations are presented in Figure 1.

Figure 1 – Sierra College Boulevard Results



(continued on page 15)

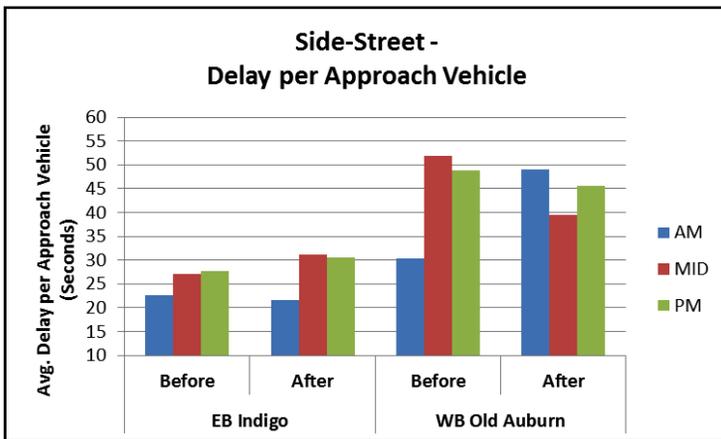
Time of Day Coordination (continued from page 14)



Side-Street Results

Figure 2 presents the comparison data for the delay per approach vehicle MOE for the two side-street approaches. Delay per approach vehicle is for both those vehicles who stopped and those who did not. The data collection methodology used for this evaluation included recording of the total number of vehicles approaching (both those vehicles who stopped and those who did not) during the specified intervals.

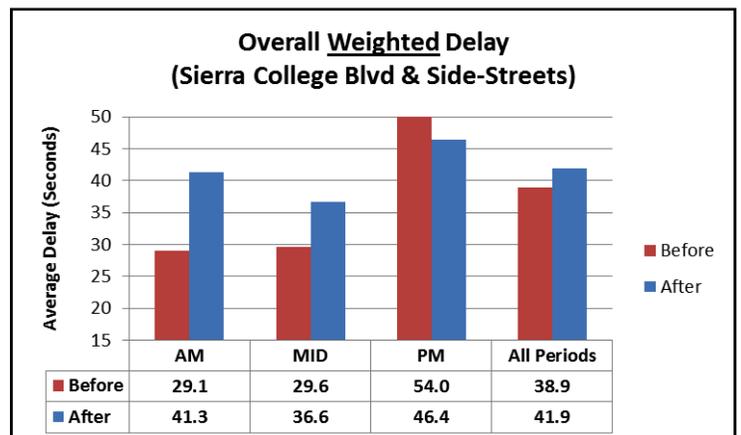
Figure 2 – Side-Street Results



Overall Results

In an effort to provide a more broad view of the effect of the implementation of the adaptive control system, a series of “overall” or “combined” data analyses graphics were completed. First, as depicted in Figure 3, the average delay for Sierra College Boulevard (“Average Delay”) and the side-streets (“Average Delay per Approach Vehicle”) were weighted by the corresponding hourly volumes and summarized for each peak period, as well as for a combination of all peak periods (AM, MID, and PM).

Figure 3 – Overall Volume Weighted Delay Results

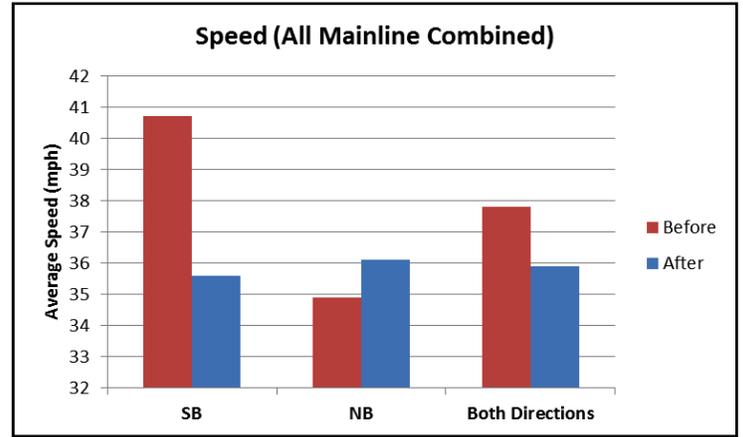
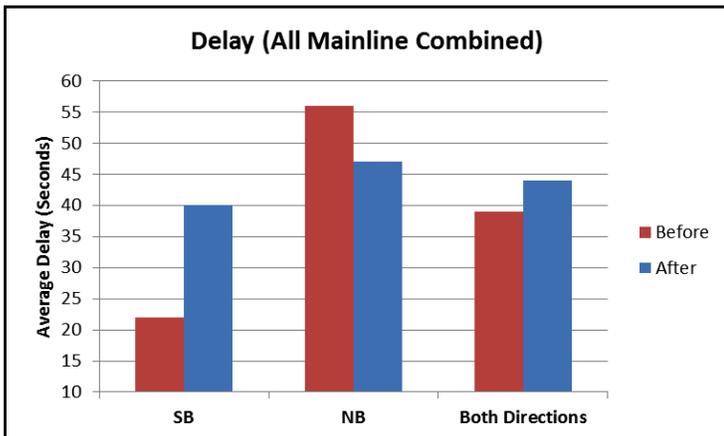
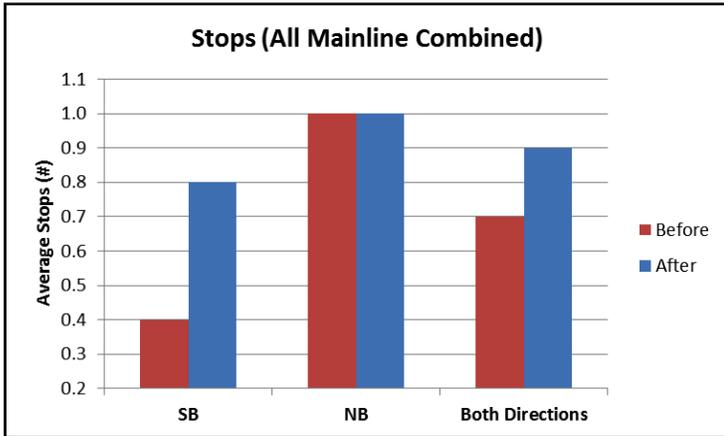
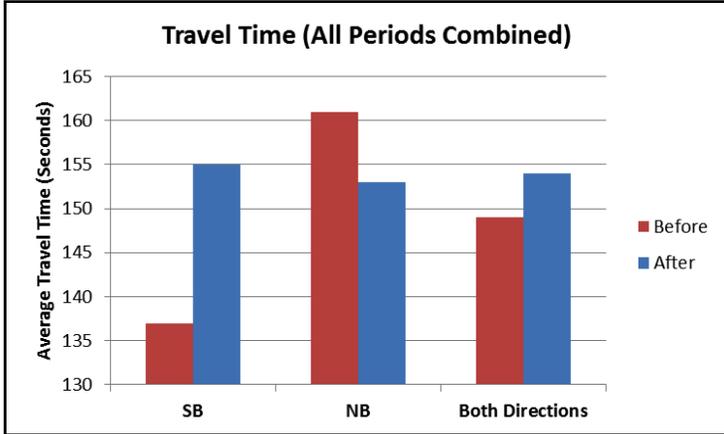


(continued on page 16)

Time of Day Coordination (continued from page 16)

Figure 4 presents combined weekday peak period data for northbound, southbound, and combined directions for Sierra College Boulevard only (not volume weighted with the side-streets).

Figure 4 – Combined Sierra College Boulevard Results



CONCLUSIONS

Based on this study, the City concluded that their baseline condition, which made use of “really good” time of day coordination plans, was difficult for the adaptive system to outperform. The following conclusions are offered based on the data presented in this report:

- When average delay for Sierra College Boulevard and the side-streets (using “Average Delay” for Sierra College Boulevard and “Average Delay per Approach Vehicle” for the side-streets) is volume weighted by the corresponding hourly volumes, an overall assessment of the project corridor demonstrates a 12.2 second increase of delay during the AM peak period, a 7.0 second increase of delay during the mid-day peak period, and a 7.6 second decrease of delay during the PM peak period with the addition of adaptive control.
- Travel time, and consequently delay, number of stops, and speed worsened with the addition of adaptive control for all three peak periods and for both directions of Sierra College Boulevard with the exception of northbound during the PM peak period.
 - o Northbound during the PM peak period experienced a 23 percent decrease in travel time and approximately one-half the delay when compared to the baseline condition.
 - o The average speed for the northbound direction of travel during the PM peak period increased by 25 percent.
- Generally speaking, the northbound travel direction was only marginally worse than the baseline condition for all time periods. Conversely, the southbound travel direction experienced a more significant degradation of traffic operating conditions with the addition of adaptive control.

(continued on page 17)

Time of Day Coordination (continued from page 16)

- As for the two side-street approaches, adaptive control demonstrated mixed results at both locations, across all three time periods. Generally, the eastbound Indigo Creek Road approach improved during the AM peak period and the Old Auburn Road improved during the mid-day and PM peak periods.
- Adaptive control reduced the delay at the left-turns on Sierra College Boulevard and the side-street approaches by using shorter cycle lengths. However, the short cycle lengths resulted in numerous public complaints about short side-street green times that cut off queues of vehicles before they could make it through the green light. While not a continuous problem, these complaints were frequent and staff was unsuccessful in addressing these concerns.
- Additional enhancements to adaptive control software addressing such concerns as the sudden arrival of large side street vehicle queues could make traffic adaptive a more viable option for the City of Roseville in the future.

POSITIONS AVAILABLE

City of Burbank - Senior Traffic Engineer

The City of Burbank, a thriving community in southern California's world-class media center, is a great place to live and an even better place to work. We have an outstanding opportunity available for an experienced professional to plan, organize, supervise, and perform traffic engineering; and perform related work as required.

In this challenging position, you will prepare and supervise the preparation and/or review of plans, specifications, and estimates for traffic system projects; prepare, review, and research materials for the preparation of various reports; perform analyses and computations of traffic impact from development projects; prepare reports on traffic engineering matters, such as accident analyses, traffic volume, speed studies, and pedestrian and bicycle studies; review and evaluate traffic and parking studies; review and recommend modifications and alternatives to contract documents and change orders; manage the construction, operation, and contractual requirements of various traffic system projects, including traffic signals, communications systems, traffic signs, and pavement markings; coordinate and communicate with various sections related to roadway projects and programs; prepare staff reports; present and represent staff before the City Council and other boards, commissions, and committees; supervise, train, and evaluate employees; make effective recommendations regarding hiring, promotions, and transfers; effectively recommend disciplinary action as needed, up to and including termination; and drive on City business.

Requirements include graduation from an accredited college or university with a Bachelor's degree in Civil Engineering with an emphasis on Traffic Engineering or Traffic Systems; four years of professional civil engineering experience, of which two years are in the field of Traffic Engineering design, planning, and operations OR any combination of education and/or experience that has provided the knowledge, skills, and abilities necessary for acceptable job performance as determined by the City. A valid California Class "C" driver's license or equivalent, and registration in the State of California as a Professional Civil or Traffic Engineer are required at the time of appointment and throughout period of employment. The physical ability to walk on uneven work surfaces, and stand or sit to effectively discharge the essential functions of this position is also needed.

We offer a starting salary of \$8,130 to \$9,878 per month plus superb benefits including City-contributed retirement plan, cafeteria-style health benefits, and tuition reimbursement. Resumes will not be accepted in lieu of a City of Burbank application. In addition, a Supplemental Questionnaire must also be submitted. Please apply online at: www.burbankca.gov/jobs. If you have a disability and need an accommodation with submitting your employment application online, please contact Human Resources at (818) 238-5021. Completed application and Supplemental Questionnaire must be submitted NO LATER THAN 5:00 p.m. Friday, November 29, 2013.

The City of Burbank is an Equal Opportunity Employer.

Fehr & Peers - Design Engineer/ Transportation Engineer (Mid-Sr. Level)

Fehr & Peers is an innovative transportation planning and engineering firm with a unique opportunity for motivated individuals. We seek mid-sr. level engineers and planners to join our transportation planning and design teams in Northern California.

- Transportation Engineers/Planners (San Jose, CA)
- Design Engineers (San Jose, Walnut Creek, and Roseville, CA)

Fehr & Peers offers a competitive salary and benefits package. We're also devoted to supporting our people through internal and external training programs and a fun, flexible work environment of passionate, like-minded professionals. For additional information on our company, explore our website at www.fehrandpeers.com. To apply, complete the online application, including sending a cover letter and resume as one file at our website.

City of Lakewood, Colorado - Prin- cipal Traffic Engineer

Primary responsibility is for the operation and maintenance of the central traffic signal computer system that includes the TransCore central traffic signal control, Microsoft Windows Server Operating System, Oracle Relational Database, Windows Office, Synchro and Tru-Traffic2 Traffic Signal Timing Optimization, and other related software applications. Maintain and operate the servers and workstations that run the software operating system and applications. Performs other professional traffic engineering duties common to a municipal traffic engineer.

Essential Qualifications:

- Bachelor of Science in Engineering or related field preferred. College-level course work in Traffic Engineering disciplines such as geometric design, traffic signal design, traffic signal timing, communications infrastructure design, and project management may be considered an acceptable substitute.
- A minimum of five years experience in general traffic engineering activities. Three years in a responsible position (in charge of) traffic engineering related design/review and construction projects.
- One year of experience in personnel supervision.
- A valid driver's license and a good driving record are required. Ability to obtain a professional engineering license within one year of hire is preferred. Ability to obtain a Professional Traffic Operations Engineer Certificate is preferred.

For a detailed job description and to apply, please visit <http://agency.governmentjobs.com/lakewoodco/default.cfm>

LIN Consulting - Traffic Project Manager

LIN Consulting is seeking a qualified individual for the position of Traffic Project Manager in our Diamond Bar, CA office. The ideal candidate will have expertise in the areas of traffic engineering design.

The Traffic Project Manager will be responsible for project/task management, schedule and budget control, plan and report production and review, quality control, and marketing activities. Specific projects may include traffic signal design, traffic signal system design, worksite traffic control plans, ITS design, traffic studies, traffic impact analysis, and traffic management plans. Experience with Caltrans PS&E is highly desirable.

Benefits: Profit Sharing Program, 401k Plan, Flexible Hours, Medical, Dental, Paid Time Off and Paid Holiday.

Requirements:

- 8+ years of professional engineering experience in traffic engineering,
- Bachelor's degree in Civil Engineering or a related field,
- California registered P.E. in civil is required,
- Registered California T.E. and/or PTOE is a plus,
- Working knowledge of Microsoft Office and AutoCAD and/or MicroStation,
- Must have solid technical knowledge and effective communication skills in writing and oral presentation.

Please send your resume to: HR@linconsulting.com.

Equal Opportunity Employer

W-Trans - Transportation Project Manager

W-Trans is hiring! We are seeking an experienced Transportation Planner/Engineer to be a Mid- to Senior-Level Project Manager in either our Santa Rosa, CA or Oakland, CA office. The successful candidate would prepare and oversee a diverse range of transportation-related products to our expanding client base. For more information, go to <http://www.w-trans.com>.

PROFESSIONAL SERVICES DIRECTORY

ALL TRAFFIC DATA SERVICES, INC.

Atlanta, GA 404-374-1283
 Denver, CO 303-216-2439
 Jacksonville, FL 904-707-8618
 Seattle, WA 206-251-0300
 Portland, OR 503-833-2740
 Call with any traffic data collection needs or visit
www.alltrafficdata.net

ALBERT GROVER & ASSOCIATES

Signal System Design • Coordination • Operations • Impact Studies • Modeling • Design/Build • Parking & Access • Inspection • Implementation
 211 E. Imperial Highway, Suite 208
 Fullerton, CA 92835
 (714) 992-2990 FAX (714) 992-2883

ATKINS

Transportation Planning/Design • Traffic Engineering • ITS • Civil Engineering
 Regional Offices in: Phoenix, AZ; Los Angeles, Orange, San Bernardino, San Diego, San Francisco, CA; Colorado Springs, Denver, CO; Bozeman, Helena, Missoula, MT; Henderson, Reno, NV; Portland, OR; Seattle, WA • www.atkinsglobal.com

CDM SMITH

Water • Environment • Transportation • Energy • Facilities
 Regional Offices in California, Washington, Utah, Nevada, Oregon, and Arizona
www.cdmsmith.com

CRAIN & ASSOCIATES

Traffic Engineering • Transportation Planning
 300 Corporate Pointe, Ste 470
 Culver City, California 90230
 (310) 473-6508 Fax: (310) 444-9771

DKS ASSOCIATES

Traffic and Transportation Engineering and Planning • Intelligent Transportation Systems
 Oakland CA (510) 763-2061
 Offices in: Irvine and Sacramento, CA; Tampa, FL; Portland and Salem, OR; Seattle, WA
 Web page: www.dksassociates.com
 email: rts@dksassociates.com

ED RUZAK & ASSOCIATES, INC.

Traffic & Transportation Engineering • Consulting for Litigation
 10061 Talbert Avenue., Suite 200, Fountain Valley, CA 92708 (714) 964-4880 / Fax (714) 964-7219
 999 Green Street, Suite 1103, San Francisco, CA 94133 (415) 929-8745

GIBSON TRANSPORTATION CONSULTING, INC.

Traffic Engineering • Transportation Planning • Parking
 523 W. 6th Street, Ste 1234
 Los Angeles, CA 90014
www.gibsontransportation.com
 (213) 683-0088 phone
 (213) 683-0033 fax

HATCH MOTT MACDONALD

Traffic Engineering • Signal Operations • Comprehensive Transportation Planning • Geometric Design • Signal Design • Parking
 1300-B First Street, Gilroy, CA 95020
 (408) 848-3122 Fax: (408) 848-2202
 email: keith.higgins@hatchmott.com

ITERS

ITS • Traffic Engineering • Transportation Planning • Traffic Control Systems • Communications • Transit • Parking • Construction Management
 1700 Carnegie Avenue, Suite 100
 Santa Ana, CA 92705 Tel: (949) 270-9400
 Los Angeles, CA (213) 488-0345; Long Beach, CA (562) 432-8484; Ontario, CA (909) 230-6880; Sacramento, CA (916) 772-7976;
 Boise, ID (208) 345-4630; Idaho Falls, ID (208) 528-8538;
 Las Vegas, NV (702) 384-2525; Salt Lake City, UT (801) 479-5866

KOA CORPORATION

Traffic Engineering • Transportation Planning • Signal Design • Traffic Signal Timing • ITS • GIS • www.koacorporation.com
 1100 Corporate Center Drive, Suite 201
 Monterey Park, CA 91754 (323) 260-4703
 Ontario, CA (909) 890-9693
 San Diego, CA (619) 683-2933
 Orange, CA (714) 573-0317

KIMLEY-HORN AND ASSOCIATES, INC.

Traffic Engineering • Transportation Planning • ITS • Communications • Software • Civil Engineering
 Regional offices in: San Diego, Orange, Los Angeles, Riverside, San Ramon, Oakland, Sacramento, Roseville, Stockton, San Jose, CA; Las Vegas, Reno, NV; Phoenix, Tucson, AZ; Denver, CO; Boise, ID
www.kimley-horn.com

KUNZMAN ASSOCIATES

"Over 30 Years of Excellent Service"
 Traffic Engineering • Transportation Planning • Parking Analysis
 Expert Witness • General Plan Circulation Elements
 1111 Town & Country Road, Suite 34 • Orange, CA 92868
 (714) 973-8383 Fax: (714) 973-8821
www.traffic-engineer.com mail@traffic-engineer.com

LEE ENGINEERING

Traffic Engineering • Transportation Planning • Intelligent Transportation Systems • Transit Studies
 Phoenix (602) 955-7206
 Dallas (972) 24/-3006
 Albuquerque (505) 338-0988
 Oklahoma City (405) 384-5127
 San Diego (619) 251-0419
www.leeengineering.com info@lee-eng.com
 Tailored solutions—Proven Results

LIN CONSULTING, INC. (UDBE/MBE/SBE)

Traffic Engineering • Traffic Signal & Lighting • Freeway Communications • ITS • Worksite Traffic Control • Transportation Planning & Studies • Parking • Civil Engineering • Electrical Engineering
 Diamond Bar, CA (909) 396-6850
 Tustin, CA (714) 258-8411
 San Diego, CA (858) 278-4800

LINSCOTT, LAW & GREENSPAN

Engineers & Planners • Traffic • Transportation • Parking
 Costa Mesa, CA (714) 641-1587
 Pasadena, CA (626) 796-2322
 San Diego, CA (858) 300-8800
 Las Vegas, NV (702) 451-1920
www.ligengineers.com

LSA ASSOCIATES, INC.

Transportation Engineering and Planning • Parking Studies • Capital Project Development
 20 Executive Park, Suite 200, Irvine, CA 92614 (949) 553 0666 / Fax (949) 553 8076
 Riverside, CA (909) 781-9310; Ft. Collins, CO (970) 494 1568; Pt. Richmond, CA (510) 236-6810; Berkeley, CA (510) 540-7331
 email: tony.petros@lsa-assoc.com

MINAGAR & ASSOCIATES, INC.

ITS • Traffic Engineering • Transportation Planning • Signal Timing • Communications • Construction Management
 18662 MacArthur Blvd., Suite 435
 Irvine, CA 92612
 Tel: (949) 727-3399 Fax: (949) 727-4418
www.minagarinc.com

THE MOBILITY GROUP

Transportation Planning • Transit Planning • Parking • Traffic Planning & Engineering • Management
 18301 Von Karman, Suite 580, Irvine, CA 92612
 (949) 474-1591 / Fax (949) 474-1599
www.mobilitygrp.com

NAVJOY CONSULTING SERVICES, INC.

We provide the following services: TMC, ADT, Pedestrian and Bicycle counts • Gap, Delay, Parking, Origin-Destination, Travel Time, Transit Ridership and Custom Studies • Inventory Collection and Asset Management • We provide quality data the first time, we have experienced and knowledgeable staff and do in-house QA/QC
 1385 South Colorado Boulevard, Suite A-707, Denver, CO 80222
 (303) 688-0670 / Fax (303) 300-9056
www.navjoyinc.com email: info@navjoyinc.com

RBF CONSULTING, A COMPANY OF MICHAEL BAKER CORP.

RBF provides Transportation Planning, Public Works, Traffic Engineering, Intelligent Transportation System Engineering, Travel Demand Modeling, and Aviation Engineering Services
 Over 100 offices serving the United States
 Tel: (800) 479-3808 www.RBF.com

ROBERT CROMMELIN & ASSOC., INC.

Consulting Traffic Engineers, Experienced in Traffic Engineering Evaluation and Testimony as part of Litigation
 73-255 El Paseo, Suite 9 (760) 568-6838
 Palm Desert, CA 92260 FAX (760) 568-9850
RCTraffic@aol.com

SENSYS NETWORKS

Sensys Networks is the world's leading provider of wireless traffic detection and integrated traffic data systems. We provide a universal platform that delivers the most dependable, flexible and cost-effective solutions on the market today. Our patented, wireless magnetic sensors install in a fraction of the time with far less disruption to highways and intersections than traditional detection technologies. The Sensys Wireless Vehicle Detection System is deployed in more than 30 U.S. states and 10 countries. It is the technology standard for the world's largest traffic data systems.
 560 Ninth Street, Suite 219, Berkeley, CA 94710
 (510) 548-4620 www.sensysnetworks.com

STANTEC CONSULTING SERVICES, INC.

Traffic & Civil Engineering • Transportation Planning • Traffic Signal Design • Parking Analysis and Design • Program & Construction Management Services
 19 Technology Drive, Ste. 200, Irvine, CA 92618
 (949) 923-6000 / Fax (949) 923-6121

TJKM TRANSPORTATION CONSULTANTS

Traffic Engineering and Planning • ITS & Modeling Services • Signal Design/Operations • Signing/Striping Plans • Traffic Impact Studies/Circulation Elements • Parking/Safety/Access Studies • Freeway/Corridor/Arterial Operations • On-call Services
 Pleasanton (925) 463-0611; Fresno (916) 449-9095; Santa Rosa (707) 575-5800
tjkm.com

TMS-TRANSPORTATION MANAGEMENT SERVICES

TSM/TDM Planning • Management Evaluation
 236 North Chester Avenue, Suite 200
 Pasadena, CA 91106
 Tel: (626) 796-3384 Fax: (626) 796-2425
info@tms85.com

TRANSTECH ENGINEERS, INC.

Traffic Engineering • Transportation Planning • Construction Management • Highway Design • Municipal Engineering
 624 Brea Canyon Road
 Walnut, CA 91789 (909) 595-8599

USKH INC.

Transportation Engineering • Civil Engineering • Electrical Engineering • Structural Engineering • Surveying • Environmental • Architecture • Planning
 2515 A Street, Anchorage, Alaska 99503 (907) 276-4245
 Offices in AK (Anchorage, Fairbanks, Juneau, Wasilla), ID (Lewiston) and WA (Ferndale, Spokane, Walla Walla)
www.uskh.com

WHITLOCK & WEINBERGER TRANSPORTATION

"W-Trans," a certified DBE/WBE, provides the following services, with an emphasis on Sustainable Transportation Solutions.
 Traffic Engineering • Transportation Planning • Municipal Services • Roundabouts • Traffic Calming • Bicycle & Pedestrian Planning • Parking • Traffic Signal Design/Timing
 Offices in Santa Rosa and Oakland, CA www.w-trans.com
 Tel: (707) 542-9500

QUALITY COUNTS, LLC

We provide transportation data collection services using the latest technology for surveying and product delivery.
 • Web-based ordering and report database
 • Video record surveys
 • Responsive nationwide survey capabilities
www.qualitycounts.net 1-877-580-2212

Y&C TRANSPORTATION CONSULTANTS, INC.

Certified UDBE/MBE/SBE
 Traffic Engineering • Traffic Signal & Lighting Design • Signing & Striping • Construction Zone Traffic Control
 Sacramento, CA (916) 366-8000
 Pleasanton, CA (925) 789-7487
www.yctransportation.com

Change of Address:

To change your mailing address information, please visit

www.ite.org

or call, fax, or mail changes to:

Institute of Transportation Engineers
1627 Eye Street, NW, Suite 600
Washington, DC 20006
Telephone: +1 202-785-0060
Fax: +1 202-785-0609

Westernite
www.westernite.org

Institute of Transportation Engineers
Western District (6)
c/o Joey Paskey
Atkins
20860 N. Tatum Blvd., Suite 260
Phoenix, AZ 85050
Dated Material - Time Value

NON-PROFIT ORGANIZATION
US POSTAGE

PAID

LOS ANGELES, CA
PERMIT # 20194

Westernite

Official Publication of the Institute of Transportation Engineers, Western District

Fall 2013 Vol. 67, No. 3

Western District Officers for 2013 – 2014

President

Karen Aspelin, P.E., PTOE
Vector Engineering, LLC
5951 Jefferson, NE Suite B
Albuquerque, NM 87109
(505) 350-6972
kaspelin@vectormm.com

Vice President

Carlos Ortiz, P.E., T.E., PTOE
RBF Consulting
14725 Alton Parkway
Irvine, CA 92618
(949) 855-3657
cortiz@rbf.com

Secretary-Treasurer

Cathy Leong, P.E.
Wilson Okamoto Corporation
1907 S. Beretania Street, Suite 400
Honolulu, HI 96826
(808) 946-2277
cleong@wilsonokamoto.com

Past President

Walter Okitsu, P.E., PTOE, PTP
KOA Corporation
1100 Corporate Center Drive,
Suite 201
Monterey Park, CA 91754
(323) 859-3121
wokitsu@koacorp.com

District International Director

Monica Suter, P.E., PTOE
City of Santa Ana
20 Civic Center Plaza, M-43
Santa Ana, CA 92702
(714) 647-5645
msuter@santa-ana.org

District International Director

Jenny L. Grote, P.E., PTOE
City of Phoenix
200 W. Washington St., 5th floor
Phoenix, AZ 85003
(602) 256-4337
jenny.grote@phoenix.gov

District International Director

Jennifer Rosales, P.E.
URS
2020 E. First Street, Suite 400
Santa Ana, CA 92705
(714) 648-2755
jennifer.rosales@urs.com

District Administrator

Rory Grindley, P.E.
Pierce County Public Works & Utilities
4301 S. Pine Street, Suite 446
Tacoma, WA 98409
(253) 798-7250
rgrindl@co.pierce.wa.us

International President

Zaki Mustafa, P.E.
City of Los Angeles
100 S. Main Street, 10th Floor
Los Angeles, CA 90012
(213) 972-8436
zaki.mustafa@lacity.org

International Vice President

W. Hibbett Neel, Jr., P.E.
Neel-Schaffer, Inc.
P.O. Box 22625
Jackson, MS 39225-2625
(601) 948-3071
hibbett.neel@neel-schaffer.com

Managing Editor

Joey Paskey, P.E., PTOE
Atkins
20860 N. Tatum Blvd., Suite 260
Phoenix, AZ 85050
(702) 551-0286
joey.paskey@atkinsglobal.com

Webmaster/ WebNewsletter

Justin Link, P.E.
Associated Transportation Engineers
100 N. Hope Ave., Suite 4
Santa Barbara, CA 93110
(805) 687-4418
jlink@atesb.com

Technical Editor

Wen Cheng, P.E., PTOE
CSU-Pomona
3801 W Temple Ave
Pomona, CA 91768
(714) 423-0056
wcheng@csupomona.edu

Advertising Manager

Robert Sweeting, T.E.
City of Thousand Oaks
2100 Thousand Oaks Boulevard
Thousand Oaks, CA 97362
(805) 449-2438
rsweeting@toaks.org

2014 Annual Meeting

Randy McCourt, P.E., PTOE
LAC Chair
rsm@dksassociates.com

Committee Chairs

Career Guidance Committee Chair

Neelam Sharma
URS
neelam.sharma@urs.com

Legislative Committee Chair

Tom Mericle
City of Ventura
tmericle@cityofventura.net

Membership Committee Chair

Joe De La Garza
Iteris
jdlg@iteris.com

Public Relations Committee Chair

Chuck Huffine
Jacobs
chuck.huffine@jacobs.com

Student Endowment Chair

Kimberly Leung
SF Municipal Transportation Agency
kel@sfbayite.org

Student Initiatives Chair

Danielle R. Scharf
Sanderson Stewart
dscharf@sandersonstewart.com

Technical Committee Chair

Amit Kothari
San Francisco MTA
amit.kothari@sfmta.com

Traffic Bowl Committee Chair

Ken Ackeret
Kimley-Horn & Associates, Inc.
ken.ackeret@kimley-horn.com

Vendor Committee Chair

Janna McKhann
NexTech Systems, Inc.
nextech@cox.net

WesternITE newsletter is the official publication of the Western District (6) of the Institute of Transportation Engineers. Its purpose is to share information on transportation topics between members and to communicate to members the activities of the Western District (6). Articles relating to these purposes are always welcomed and may be sent to either editor. The opinions, findings, techniques and specific equipment cited by individual authors of *WesternITE* newsletter articles do not constitute the endorsement of same by *WesternITE*. Reprint of any newsletter material (except if copyrighted) for the purpose of sharing technical information is permissible given that proper reference and the above paragraph accompany the reprint.