

# Westernite

Official Publication of District 6 of the Institute of Transportation Engineers

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## President's Message

The ITE elections are now well underway. In this edition of WesternITE you have the opportunity to read up on each of your District 6 candidates. Each of these fine individuals would like to have the privilege to represent your ITE interests at either the District or International levels. So please take the time to review each of the candidate's statements and, most importantly, vote in this year's elections. The ballots will be mailed to you soon. It is important to mail in your ballot as soon as it arrives. It is so easy to let the ballot just sit in your in-basket.



Ken Ackeret,  
District 6 President

In addition to the election of our District 6 Board and International Directors, we also have on the ballot, for membership approval, revisions to our District 6 Charter and Bylaws.

Our District 6 Charter and Bylaws were last updated eleven years ago. During that time, several changes have occurred that affect how the District operates (most notably International ITE Constitutional changes). The primary intent of updating both the Charter and the Bylaws is to bring these two documents up to date with current District practices and address the opportunity for

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## The Kohl's Hard Facts: Kohl's Department Store Trip Generation Characteristics

As transportation professionals, we are continually challenged by the need to better understand evolutions in commercial development patterns and retail markets and their impact on the transportation system. On the west coast, a new retailer is emerging that can not be easily categorized using the empirical data presented in the Institute of Transportation Engineers' (ITE) *Trip Generation*. Kohl's Department Store (Kohl's) is a free-standing specialty department store that offers exclusive and national brand merchandise. This article presents the results of new data collection to provide

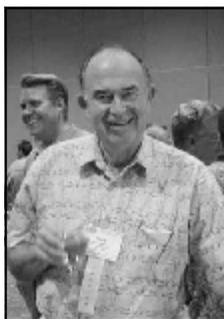
better trip generation information for Kohl's stores and others like them.

### Kohl's Department Stores

Kohl's is a specialty department store offering apparel for men, women, and children; footwear; housewares and small electric appliances; bedding and linens; luggage; and jewelry and accessories. At the end of 2005, Kohl's served customers through 732 stores in 41 states and through their website, Kohls.com. Approximately 500 new stores are anticipated to be opened in the next five years, including several locations on the west coast. Nearly all of the

*(Continued on page 2)*

## Hank Mohle Remembered



Hank Mohle, one of the most popular and respected traffic engineers in Southern California, passed away on April 13 after a long fight with cancer.

He was a founding partner in Berryman-Mohle-

Stephenson and Perry, the forerunner to many local consulting firms. He later went on to found Mohle Perry Associates, Mohle-Grover Associates, and most recently Hank Mohle & Associates (HMA). He sold HMA to Rick Engineering and continued to work for them for several years. He served as the Contract City Traffic Engineer for the City of Murrieta. He is widely known for his work on highway capacity, accident records, and protected/permissive left turn phasing.

Hank served the Institute of Transportation Engineers throughout his career. He was a Southern California Section Officer, Western District [#6]

President in 1970, International Director (1973-5), and contributed to numerous technical committees and councils. On February 10, 2004, the Southern California Section, the Central Coast Section, and District 6, jointly issued a proclamation declaring "Hank Mohle Day" before a large group of members.

Hank undertook an experimental cancer treatment late in 2004 that improved his health enough for him to be able to complete some personal goals, including traveling to all of the world's continents, including Antarctica. Even more important to Hank was that he was able to see and enjoy the birth of his new granddaughter in late February.

In January 2006, the District 6 Board voted to award Hank with the District's Lifetime Achievement Award. A special ceremony was held at his home shortly following this vote, so that Hank could receive the award in person, with his family and several longtime friends. Those who knew Hank well, found him to be a very sincere, honest, helpful, and highly respected member of our profession. We will all miss him greatly.

# The Kohl's Hard Facts: Kohl's Department Store Trip Generation Characteristics

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stores are open seven days a week from 8:00 a.m. until 10:00 p.m.

## Current Trip Generation Data

There are two elements of particular concern in assessing the transportation impacts and needs of commercial developments such as Kohl's: trip generation rates and trip type. *Trip Generation*<sup>1</sup> is typically used to estimate the number of site-generated trips associated with a given land use and the *Trip Generation Handbook*<sup>2</sup> is used to determine trip type. Both references include data for two land uses commonly employed to study department stores: free-standing discount store and shopping center. ITE has no free-standing department store land use. The current trip characteristic data available through the standard transportation references does not reflect trip patterns observed at Kohl's.

## Previous Trip Generation Study of Kohl's

Kohl's Department Stores contracted David E. Wooster and Associates and Trans Associates to conduct trip generation studies at four Kohl's stores in Pennsylvania. The counts were conducted during the weekday p.m. and Saturday midday peak hours in 1998 and 2005 at representative stores<sup>3</sup>. While this data was believed to more accurately represent the trip generation profile of a Kohl's store as compared to the more general ITE data, Kohl's recognized the benefit of collecting data at several west coast locations to ensure that trip generation profiles are similar at locations where Kohl's is relatively new to the marketplace. In addition, data also needed to be collected regarding daily and weekday a.m. peak hour rates.

## Data Collection

Five Kohl's study sites in California were selected for data collection activities. Data collection at the study sites included:

- A traffic count program to obtain 24-hour weekday and Saturday trips.
- A weekday customer survey program to identify the various trip types made by customers (primary, pass-by, and diverted) and mode split.

Specific elements of the data collection activities included three mid-week days of 24-hour counts at the site-access driveways as well as internal trip counts at multi-tenant facilities. Customer surveys were

**Table 1**  
**Daily Trip Generation Study Findings**

Kohl's Site	Store Size (sq. ft.)	24-Hour Traffic Volume (Vehicles per day)		24-Hour Trip Generation Rate (Trips/1,000 Square Feet)	
		Weekday <sup>1</sup>	Saturday	Weekday <sup>2</sup>	Saturday
Colma, CA	97,886	2,242	3,116	22.9	31.8
		2,256		23.0	
		2,634		26.9	
Folsom, CA	103,800	2,002		19.3	
		2,640		25.4	
		1,784		17.2	
Petaluma, CA	95,853	1,724	2,084	18.0	21.7
		2,202		23.0	
		1,724		18.0	
San Jose South, CA	126,257	4,364		34.6	
		4,118		32.6	
		3,300		26.1	
Vallejo, CA	98,497	1,632	2,224	16.6	22.6
		1,492		15.1	
		1,792		18.2	
Monroeville, PA	99,418	1,562	2,758	15.7	27.7
Hanover, PA					
Granite Run, PA					
Lebanon, PA					
Average		2,342		22.0	

*Shaded areas indicate data not available*  
1. Data for Tuesday-Thursday at California sites  
2. Data for Tuesday-Thursday at California sites

completed on midweek days during the evening peak period (4:00 to 6:00 p.m.) to differentiate between types of trips. The customer surveys were completed by interviewing shoppers as they arrived at the stores.

## Traffic Count Data Analysis

The data collected at the five study stores were examined to evaluate the trip profile of each store. In addition, the data from the Pennsylvania stores was incorporated where applicable. Table 1 presents the daily trip generation rates per 1,000 square feet of gross floor area (GFA) for each site on each of the study days. Table 2 (page 8) summarizes peak hour trip rates. All of the building sizes shown include the stores' mezzanine area, which

typically average approximately 7,400 to 7,600 square feet.

The weekday trip data in Table 2 represents the peak hour of each individual store between 7:00 and 9:00 a.m. and between 4:00 and 6:00 p.m. These values were derived by selecting the highest four consecutive peak 15-minute periods between 7:00 and 9:00 a.m. (and between 4:00 and 6:00 p.m.) for each day at each store. The data presented in Table 2 represents the Saturday peak hour of the individual stores, which varied between store locations but typically occurred between 1:00 and 5:00 p.m.

The Saturday data in Tables 1 and 2 is based on a limited sample size. Additional Saturday data would need to be collected to establish definitive Saturday rates.

Vehicle classification counts were not performed at the California study sites. Kohl's representatives reported that their

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# District 6 Candidate Statements

## CANDIDATE FOR PRESIDENT

**Dalene J. Whitlock, P.E., PTOE, ITE (Fellow)**  
*Principal, Whitlock & Weinberger Transportation (W-Trans)*



### Professional Qualifications

- Registered Traffic and Civil Engineer, California
- Professional Traffic Operations Engineer
- San Francisco Bay Area Section President (2002-2003)
- BSCE, San Diego State University (1981)

### Statement

It has been my honor and pleasure to serve ITE as an officer over the last two years, during which time I have met many of our incredibly knowledgeable and giving members. The Kalispell meeting was my first experience as an officer, and I was amazed to learn how much effort the Local Arrangements Committee (LAC) expends. I'm still in awe of the great job done last year, and am so excited about this year's meeting in Honolulu. More than any other single activity, our annual meetings are an opportunity to network with members from other Sections as well as your own, and make contacts that become such an important part of your professional life. We've made progress toward one of my personal goals, which was to improve our use of electronic media, with all Sections now having websites, and through the introduction of e-registration. We also laid the groundwork for an award to recognize excellence in student chapter websites, which meets both the electronic media goal as well as one to continue supporting our student chapters. As President, I will continue to work toward my goals as well as others of importance to our members. I also look forward to visiting as many of the Sections as I can during my year as President; these visits are a wonderful opportunity to meet more members and also find out what issues we should be devoting our efforts to. If you have ideas, questions, or concerns, please feel free to contact me at (707) 542-9500 or [dwhitlock@w-trans.com](mailto:dwhitlock@w-trans.com).

## District 6 Election Information

In accordance with Section 5.2 of the District 6 Bylaws, additional nominations may be made by petition signed by not less than five members. Each petition shall be accompanied by the written consent of the nominee to run for the office for which nominated, and must be received by the Secretary-Treasurer not later than 60 days prior to the election. No member shall be a candidate for more than one office.

## CANDIDATE FOR VICE PRESIDENT

**Jennifer Rosales, P.E. (M)**  
*Senior Professional Associate/Lead Transportation Engineer,  
PB PlaceMaking, Portland, OR*



It has been a pleasure to serve you as the ITE District 6 Secretary-Treasurer. I've enjoyed working with the District and International officers, committee chairs, LAC's, and student chapters.

### Biography

Jennifer Rosales is a Senior Professional Associate in Parsons Brinckerhoff's PlaceMaking service center. Jennifer is a project manager and lead engineer for projects throughout District 6 including Oregon, Washington, California, Colorado, Hawaii, Utah, Idaho and Wyoming.

### ITE leadership

- District 6 Secretary-Treasurer
- Oregon Section elected board, 1998-2002 (President 2000-01)
- Pedestrian and Bicycle Council, Executive Committee and Newsletter Editor
- District 6 Career Guidance Chair
- District 6 Annual Meeting, 2007 LAC
- Oregon Section Student Chapter Liaison Chair and Legislative Chair
- Student Chapter President, OSU
- Numerous publications and presentations (over 20 in past 10 years)

### Leadership Priorities

My original campaign focused on four areas:

- Mentor and train younger members and students to meet future transportation challenges.
- Support student initiatives programs at the District, Section and Chapter levels.
- Attract more members to District 6 meetings by keeping annual meetings affordable and expanding technical programs and training to the membership.
- Expand use of information technology to share transportation information and tools.

A significant amount of work has been completed with the help and commitment of District 6 volunteers in these areas – a few highlights follow. The District 6 mentoring program has matched mentors and mentees, and mentoring guidance materials developed and distributed to participants. The District has received a record high number of student chapter reports submitted before the deadline. The District has expanded the use of the web to provide on-line registration for District 6 Annual Meetings.

My priorities for the next year will be:

- Expand and enhance the District 6 mentoring program and professional development for our members.

## District 6 Candidate Statements

- Continue to support successful student programs and chapter research opportunities to attract the best students to the profession.
- Keep annual meetings affordable and expand technical programs and training. Develop partnerships with other societies to expand technical program tracts.
- Expand use of information technology including e-learning and e-publishing opportunities. Provide electronic voting to the membership.

I look forward to your continued support and opportunity to serve ITE District 6 as the Vice President. If you have any comments or ideas, then please contact me at [rosales@pbworld.com](mailto:rosales@pbworld.com) or 503-478-2347.

### CANDIDATE FOR SECRETARY-TREASURER

**Monica M. Suter, P.E., T.E., PTOE (M)**  
*Public Works Agency-Traffic Engineering, City of Santa Ana, CA*



I am honored to be nominated as a candidate.

#### Vision & Goals

- Improve the ITE value-to-cost benefit
- Continue District fiscal responsibility
- Encourage quality training/program participation
- Ensure effective communication with members

- Recruit/develop young students
- Mentor young professionals/"Workforce Development"
- Further promote ITE Recommended Practices/"Webinars"/Councils
- Utilize technology to provide timely/relevant information
- Enhance our profession's image with the public/press/policy-makers

**Experienced ITE Leadership:** As the elected ITE Southern California Section's Secretary-Treasurer (2000), I modernized our Section's Annual Report/finance format. At the next District 6 Board meeting, ITE Headquarters' report indicated room for improvement given our large section, so I set the goal to increase membership through pertinent programs/information. We achieved that goal and received the District's award for largest relative increase in section membership when I was President (2002-2003). Also, our teamwork resulted in earning both the District 6 and International Best "Section Activities Award" under my leadership as President.

**Student/Professional Development:** Attracting and retaining talented students and young professionals is an important ITE International/District 6 goal. As Section President, I proactively worked with our student chapters to support their activities/fundraising and interaction with professionals. I regularly speak to young students about our profession, have participated in several District review committees for District 6's Student Chapter reports and publications, *Young Professional, Individual, & Lifetime*

*Achievement* and other ITE awards, and judged student competitions. In 2004, I coordinated the ITE International presentation by local elementary school students, connecting them with transportation professionals.

**Biography:** With 18 years of public (1/3<sup>rd</sup>)/private (2/3<sup>ds</sup>) transportation experience, Monica's managed large freeway, ITS, civil, and transportation projects, and citizen requests. She supervises an engineering team for Traffic Engineering at the City of Santa Ana, CA, population 400,000, is a CA-licensed Civil/Traffic Engineer, PTOE, and Michigan State University graduate. Monica's been an active ITE member since college--over 20 years--and received ITE's "Young Transportation Engineer Award" (Southern California Section 2000-2001). In addition to her award-winning ITE leadership (2000-2005), she served as President, Secretary/Newsletter Editor & Treasurer for Orange County Traffic Engineering Council from 1998-2000. Monica has also presented/published several papers for ITE District/International and ITS America and was appointed Vice Chair of ITE's International Public Agency Council (PAC) in 2006.

I respectfully request your vote to represent you as *your* ITE District 6 Secretary-Treasurer. Feel free to share your ideas & contact me at: [msuter@ci.santa-ana.ca.us](mailto:msuter@ci.santa-ana.ca.us)/(714) 647-5645.

It is my pleasure to have the opportunity to serve the District as Secretary-Treasurer. I have the background, skills, relationships, and vision to keep ITE District 6 the superb organization it is, and the envy of all other districts.

### CANDIDATE FOR SECRETARY-TREASURER

**John Kerenyi, P.E., PTOE (F)**  
*Senior Traffic Engineer, City of Moreno Valley, CA*



#### **Biography**

- B.S., Engineering, Harvey Mudd College, Claremont, CA (1993)
- Registered Traffic Engineer and Professional Traffic Operations Engineer
- Project Engineer with Katz, Okitsu & Associates for five years
- Traffic Engineer with Kimley-Horn and Associates for seven years
- Currently serving as Senior Engineer for Transportation Planning for the City of Moreno Valley, California

#### **Professionally Accomplished**

- *WesternITE* Managing Editor, 2003-2005
- As Managing Editor, won ITE's Best Newsletter award for 500+ circulation in 2004 and 2005
- As Managing Editor, served as an *ex officio* Board member of District 6
- *WesternITE* Technical Editor, 2001-2003
- Orange County Traffic Engineering Council (OCTEC) President, 2002-2003
- OCTEC Protected-Permissive Left-Turn Phasing Committee

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# District 6 Candidate Statements

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Chair, 2000-2003

- Member, ITE Traffic Engineering Council Project 102-04, "Strategies and Practices for Left-Turn Detection and Phasing"
- Member of Toastmasters International

## What I Stand For

- Continue the District's promotion of student membership and participation in meetings:
  - i Emphasize spreading the word about traffic engineering as a profession to as many engineering students as possible, so that they know there is an alternative to working equations all day long. I consider myself very lucky to have found the perfect profession and don't want any natural traffic engineers in training to miss out because they didn't know about the profession.
  - i Continue to recruit engineering students into the profession.
  - i Support the continued development of a District student endowment fund.
- Continue to improve the Annual Meeting:
  - i Keep the meeting as affordable as possible to maximize attendance.
  - i Work to keep the meeting both informative and entertaining.
  - i Solicit papers and presentations from those known to be doing innovative work.
- Recognize and proactively deal with demographic trends: As the baby boomer generation ages, we will need to transition and replace their skills even as we prepare for an aging driver population.

Finally, thank you so much to those who commented on *WesternITE* while it was mine to produce, especially those who took the time to say they loved the pictures of me and my lovely wife, Cindy, as we started our lives together.

## CANDIDATE FOR INTERNATIONAL DIRECTOR

**Cathy Leong, P.E. (M)**

*Project Manager, Wilson Okamoto Corporation, Honolulu, Hawaii*



I am honored to be selected as a candidate for International Director for District 6. As the LAC General Chair for the 2006 Annual Meeting to be held in Honolulu, HI, I have become acquainted with a number of District 6 officers at the section and district levels. Through this interaction, I have developed a keen understanding of the goals and needs of the District, and look forward to the opportunity to continue working with these dedicated people.

## Vision and Goals

- Support student initiatives programs and encourage student mentoring opportunities
- Enhance continuing education opportunities by increasing the availability of web-based technical information and training, and maintaining reasonable costs for these services
- Encourage participation in ITE by young professionals
- Increase public awareness of our profession
- Encourage membership participation in ITE Councils, Committees, and Publications

## ITE Service and Leadership Roles

- Member for 12 years with leadership roles as a student and full member
- 2006 District 6 Annual Meeting LAC General Chair (2003-present)
- Hawaii Section President (2003-2004)
- Vice President (2002-2003)
- Secretary (2001-2002)
- Hawaii Section Webmaster (2003-present)
- Hawaii Section Student Chapter Coordinator (1999-2001)
- Mentor for University of Hawaii at Manoa Student Chapter for ITE Data Collection Fund project (2005-2006)

## ITE and Professional Awards

- Presidential Proclamation, 2005, for service as 2006 Annual Meeting LAC General Chair
- Greatest Rate in Growth for Membership for Hawaii Section, 2004, as President
- Windiest & Wisest Scribe in the West - 2002 as Secretary and 2004 as President
- Hawaii Council of Engineering Societies' Presentation Award for Engineer's Week Display for Hawaii Section, 2004, as President
- Best Web Site Award for Hawaii Section, 2003, as Webmaster

## Professional Qualifications

- Currently a Project Manager for the Traffic and Transportation Group at Wilson Okamoto Corporation (WOC). Over the past 8 years at WOC, I have worked on projects encompassing a broad range of topics including site specific traffic signal designs, project specific traffic assessment and impact studies, and planning level transportation studies and modeling
- Registered Civil Engineer - Hawaii
- MS in Civil Engineering with an emphasis in Transportation, University of California, Berkeley
- BS in Civil Engineering, University of Hawaii at Manoa

I greatly appreciate the opportunity to continue serving ITE as your representative on the District 6 and International Board of Directors.

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# District 6 Candidate Statements

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## CANDIDATE FOR INTERNATIONAL DIRECTOR

**Ransford S. McCourt, P.E., PTOE (F)**

*Principal, DKS Associates*



### Biography

Randy McCourt is currently a principal for DKS Associates, directing their Portland, and Seattle offices. Following graduation from Oregon State University (Civil Engineering) and University of California, Berkeley (Master's of Transportation Engineering) in 1979, Randy started his career with DKS Associates in Oakland and has been with DKS for over 26 years.

### ITE Leadership

- President, District 6 (2004), Oregon Section (1996), SF Bay Area Section (1988)
- Board of Direction, District 6 (2001-2005), Oregon Section (1994-1997), SF Bay Area Section (1985-1989)
- ITE Parking Council Chair – 2005-2007
- Parking Generation Informational Report Update Chair – 2001-2004
- Technical Chair, District 6 (1996-1998), Oregon (1992-1993), SF Bay Area (1982-1984)
- Annual Meeting Committee, SF (1984), Portland (1994), Portland (2007)

### Awards

- 2005 International ITE Coordinating Council Outstanding Project Award (Parking Generation)
- 2005 International ITE Parking Council Best Practices Award (Parking Generation)

- 2001 Oregon Section Outstanding Individual Achievement Award
- 1999 Oregon State University Academy of Distinguished Engineers
- 1997 International ITE Traffic Engineering Council Outstanding Project (NTM Survey)

### Leadership Priorities

As an officer of ITE District 6, I focused in four areas: enhancing tools to share information via the web, attracting young talent to transportation, showcasing transportation and generating useful technical information for members. Substantial progress was made in each of these areas and the District 6 web site [www.westernite.org](http://www.westernite.org) summarizes these efforts. As an International Director my priorities will include:

**Technical Excellence:** Building a shared understanding of the best roles for ITE's resources (both financially and with its volunteers efforts) in the advancement of transportation concepts, methods, tools and solutions by defining partnerships in research and standards development.

**Sharing Information:** Developing a national data base of transportation counts that is open source and readily available to the public

**Investing in Member Benefits:** Investing in the most significant research documents prepared by ITE (Trip Generation and Parking Generation) by funding new data collection efforts

**Career Development:** Continue expansion of accessible training to members through webinars

**Student Initiatives:** Advancing the Student Data Collection Fund, developed in District 6 while I was President, to the international level as a means to engage students in meaningful aspects of transportation engineering

It is my privilege to serve District 6 and I would love comments on how to make our profession better, so please contact me with ideas at [rsm@dksassociates.com](mailto:rsm@dksassociates.com) or call 503/243-3500.

## President's Message

(Continued from page 1)

the district to conduct officer elections via e-balloting. This multi-year effort was lead by the District 6 Advisory Committee with input from the District officers and International Directors. Also incorporated was member input received prior to, during and after the 2005 Annual Meeting in Kalispell. In both documents, the proposed revisions are noted with green italic type that replaces the former text as noted with strike-throughs.

I want to encourage everyone to log on to our WesternITE.org web page to view the Charter and Bylaws revision so you can cast an informed vote.

As my Presidential year is quickly coming to an end with our June 25-28 Annual Meeting in Hawaii, I have continued to travel throughout the District to recognize our ITE volunteers. My travel plans have included trips to the well-known Quad Meeting in the Northwest, Salt Lake City for the Utah Chapter, and Denver for our Colorado/Wyoming Section. Remember it is never too late to book a trip to Hawaii. I am looking forward to seeing you at the Annual Meeting at the Sheraton Waikiki. "Au i ke kai loa".

# International Candidate Statements

## CANDIDATE FOR INTERNATIONAL VICE PRESIDENT

**Alfred A. Guebert, P.E., PTOE, FITE**  
*TSH Associates Ltd, Calgary, AB*

I am honored to have been nominated again for the position of International Vice President of ITE... During the past 76 years, ITE has appealed to transportation professionals as their organization of choice. It has done that by providing great value to its members. That value is enhanced through... the experienced and committed staff at ITE headquarters... the dedicated efforts of the many volunteers on the International Board, councils and committees... and the active participation by members and students. The key characteristics that are critical for a leader in this organization include: vision, leadership, experience, knowledge, and passion.



My Vision is to build on and strengthen the Value of the Institute to members by keeping you *informed* about, and *engaged* in, the programs, products and services that ITE produces.

This Vision is fairly simple and straight-forward, but it centers on communication and participation. In an organization like ITE, it is so important to pay attention to what is happening in the profession as well as in each district, section, and chapter. Members need to be informed about what's going on, and what the opportunities are for involvement.

As the next International Vice President, my specific goals for ITE include...

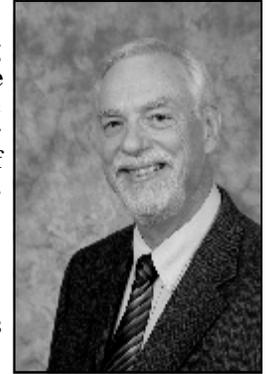
1. **Technical Excellence...** ITE must continue to provide us with relevant, provide us with high quality, up-to-date materials... these are the tools of our trade...  
*My priority is to engage the members from every District in the specialty councils, and to communicate the value of those materials to our members.*
2. **Transportation Safety...** ITE must provide the tools we need to ensure safety-focused design practices, and review processes...  
*My priority is to encourage global input to these best practices, communicate them to our membership, and promote them to the public agency decision-makers and to the general public.*
3. **Workforce Development...** We need to ensure that we get the brightest and best students into our transportation programs... we need to encourage young men AND young women to consider engineering and planning as career options... and ITE must continue to expand the professional development opportunities for our members ...  
*My priorities are: to get the message out that sustainable transportation is paramount in our society and that we need a highly qualified workforce capable of meeting that demand; to expand the delivery of low-cost professional development opportunities; and to develop an effective support system for our universities.*
4. **International Growth...** A regional approach will help us

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## CANDIDATE FOR INTERNATIONAL VICE PRESIDENT

**Rodney W. (Rod) Kelly, P.E., Fellow**  
*Vice President, Parsons Transportation Group*

I believe that ITE exists for the benefit of its members, and the Board of Direction must continue to be responsible for knowing what the members want and expect from the organization and respond accordingly. As a transportation engineer and planner for over 41 years, I have been on the receiving end of the many technical and professional services provided by ITE. In an effort to give back for these benefits, I have spent 35 years serving in a broad range of leadership roles at all levels within ITE. If elected, I will be dedicated to making sure that ITE continues to function as an organization dedicated to the needs of its members.



My vision is for ITE to be a stronger, more vital, growing organization, focused on providing services that benefit all of its members and the transportation profession.

### Areas of Emphasis

1. **Know What the Members Want and Expect**
  - Seek constant input from members on all aspects of desired services, projects, programs, and products
  - Use a variety of electronic and interactive inquiry methods to obtain information
  - Make input simple, quick, and easy for members to provide
2. **Respond with Specific Actions**
  - Fully implement ITE role in addressing prioritized Transportation Management and Operations and Safety Mega Issues
  - Support Workforce Development Mega Issue strategies developed by ITE to:
    - ı Recruit, advance, and retain young people considering careers in transportation engineering and/or planning
    - ı Continue emphasis on Continuing Education through expanding and refining Webinars to maximize availability in terms of cost and delivery method
    - ı Explore methods of other professional organizations for obtaining Professional Development Hour credits
  - Fully define ITE role in addressing other identified Mega Issues, including Designing for All Users
  - Identify and address other Mega Issues from input and feedback provided by the members
3. **Increase Programs for Members Under 35**
  - Consider forming a Young Transportation Professionals Council, Standing Committee, or Forum to provide:
    - ı Technical, Management, and ITE Leadership Training
    - ı Advice on Professional Registration and Certification

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# The Kohl's Hard Facts: Kohl's Department Store Trip Generation Characteristics

**Table 2**  
**Peak Hour Trip Generation Study Findings**

Kohl's Site	Store Size (sq. ft.)	Volume (Vehicles per hour)			Trip Rate (per 1,000 sq. ft.)			Directional Split (Percent In/Out)		
		AM <sup>1</sup>	PM <sup>2</sup>	SAT <sup>3</sup>	AM <sup>1</sup>	PM <sup>2</sup>	SAT <sup>3</sup>	AM <sup>1</sup>	PM <sup>2</sup>	SAT <sup>3</sup>
Colma, CA	97,886		219	334		2.2	3.4		57/43	54/46
			190			1.9			51/49	
			264			2.7			54/46	
Folsom, CA	103,800	30	156		0.3	1.5		69/31	44/56	
		70	205		0.7	2.0		66/34	50/50	
		39	145		0.4	1.4		67/33	50/50	
Petaluma, CA	95,853	52	200	261	0.5	2.1	2.7	69/31	48/52	50/50
		54	214		0.6	2.2		61/39	43/47	
		39	155		0.4	1.6		72/28	52/48	
San Jose South, CA	126,257	85	396		0.7	3.1		66/64	47/53	
		76	312		0.6	2.5		57/43	40/60	
		62	308		0.5	2.4		61/39	48/52	
Vallejo, CA	98,497	17	144	269	0.2	1.5	2.7	55/45	55/45	58/42
		24	142		0.2	1.4		67/33	48/52	
		18	147		0.2	1.5		72/28	43/57	
Monroeville, PA	99,418	22	130	302	0.2	1.3	3.0	77/28	52/48	55/45
Hanover, PA	94,002		141	370		1.5	3.9		52/48	44/56
Granite Run, PA	91,709		148	272		1.6	3.0		52/48	55/45
Lebanon, PA	103,495		144	245		1.4	3.1		41/59	51/49
Average	101,213	45	198	293	0.4	1.9	3.0	67/33	50/50	52/48

Shaded areas indicate data not available  
 1. Represents 7:00 – 9:00 a.m. adjacent street peak hour  
 2. Represents 4:00 – 6:00 a.m. adjacent street peak hour  
 3. Represents afternoon peak hour of generator

(Continued from page 2)  
 stores average two tractor trailer deliveries per day, with up to three at larger store sites.

**Customer Survey Data Analysis**

Table 3 (page 9) summarizes travel mode and trip type data derived from nearly 800 customer surveys that were completed at the five California study sites. No surveys were completed at the Pennsylvania sites.

The mode split reflects the typical location of the stores in suburban market areas that may not have convenient access to transit service. Care should be exercised in using the mode split data as it does not account for employee trip making

characteristics that may be influenced by car-pooling, transit, or other transportation demand management measures.

**Internal Trips**

Internal trip data was collected through customer surveys at two of the study sites in California and ranged between 5% and 33% during the weekday p.m. peak hour. Additional data would be required to reach any definitive conclusions regarding internal trips.

**Comparison to ITE Trip Generation Data**

For comparative purposes, Table 4 (page 9) provides a side-by-side listing of the trip generation rates provided in ITE *Trip*

*Generation*<sup>1</sup>, the applicable trip types provided in the ITE *Trip Generation Handbook*<sup>2</sup>, and the average results obtained from the field studies.

**Conclusions**

The purpose of these studies was to collect site-specific data for each of the variables typically used by traffic engineers and other review agencies in assessing traffic impacts and related traffic impact fees and system development charges. Based on the findings of this study, the trip rate and trip type associated with Kohl's stores (and

(Continued on page 9)

# The Kohl's Hard Facts: Kohl's Department Store Trip Generation Characteristics

**Table 3**  
**Summary of Customer Survey Results**

Kohl's Site	Number of Participating Customers	Travel Mode (Percent)			Trip Type (Percent)		
		Private Auto	Walk/Bicycle	Public Transit	Primary	Pass-by	Diverted
Colma	214	94.0%	6.0%	0.0%	41.6%	37.8%	20.6%
Folsom	144	99.3%	0.7%	0.0%	36.8%	27.1%	36.1%
Petaluma	62	100.0%	0.0%	0.0%	59.7%	22.6%	17.7%
San Jose South	153	94.1%	4.6%	1.3%	58.8%	19.0%	22.2%
Vallejo	226	100.0%	0.0%	0.0%	50.4%	30.5%	19.0%
Total/Weighted Average*	799	97.1%	2.6%	0.2%	47.9%	29.1%	23.0%

\*Weighted average based on total number of surveys

**Table 4**  
**Comparison of Estimated Weekday Trip Generation Rates**  
**Trips Per 1,000 Square Feet and Trip Types**

Analysis Period/ Trip Type	ITE Free-Standing Discount Store (ITE Land Use 815)	ITE Shopping Center (ITE Land Use 820)	Kohl's Field Data
Daily Trip Rate	Average: 56.02 Range: 25.53 - 106.88	Average: 42.94 Range: 12.50 - 270.89	Average: 22.0 Range: 15.1 - 34.6
AM Peak Hour Trip Rate	Average: 0.84 Range: 0.51 - 1.34	Average: 1.03 Range: 0.10 - 9.05	Average: 0.4 Range: 0.2 - 0.7
<i>In/Out</i>	<i>68% / 32%</i>	<i>61% / 39%</i>	<i>67% / 33%</i>
PM Peak Hour Trip Rate	Average: 5.06 Range: 2.48 - 9.23	Average: 3.75 Range: 0.68 - 29.27	Average: 1.9 Range: 1.4 - 3.1
<i>In/Out</i>	<i>50% / 50%</i>	<i>48% / 52%</i>	<i>50% / 50%</i>
Saturday Trip Rate	Average: 71.19 Range: 45.42 - 92.59	Average: 49.97 Range: 16.70 - 227.50	Average: 26.0 Range: 21.7 - 31.8
Saturday Peak Hour	Average: 7.58 Range: 5.41 - 10.71	Average: 4.97 Range: 1.46 - 18.32	Average: 3.0 Range: 2.4 - 3.9
<i>In/Out</i>	<i>51% / 49%</i>	<i>52% / 48%</i>	<i>52% / 48%</i>
Primary Trips	48%	40%	48%
Pass-by Trips	17%	34%	29%
Diverted Trips	35%	26%	23%

(Continued from page 8)

presumably other similar free-standing department stores) were found to be appreciably lower than that of the standard ITE data for similar uses.

The data presented in this study should be added to ITE's database, potentially considering a new free-standing department store land use, thereby broadening the database available for estimating the transportation impacts of department stores. Because the data presented in this study is

specific to Kohl's Department Stores, the transportation community would benefit from other additional studies of free-standing department stores to further update the available trip generation databases.

**References:**

- 1) Institute of Transportation Engineers. *Trip Generation, Seventh Edition*, Washington, DC, USA, 2003.
- 2) Institute of Transportation Engineers. *Trip*

*Generation Handbook: An ITE Recommended Practice, Second Edition*, Washington, DC, USA, 2004.

3) David E. Wooster and Associates, Inc. *Summary of Analyses Using Actual Trip Generation Rates for Kohl's Development - Colonnade at State College - Patton Township, Centre County, Pennsylvania*, State College, PA, USA, 2005

(Continued on page 10)

## The Kohl 's Hard Facts: Kohl 's Department Store Trip Generation Characteristics

(Continued from page 9)

### About the Authors:



**Chris Brehmer** is an Associate Engineer with Kittelson & Associates, Inc. where he serves as the Development Services Director for the firm's Portland, Oregon office. Chris is a member of ITE.



**Julia Kuhn** is a Principal Engineer with Kittelson & Associates, Inc. where she serves as the Portland, Oregon office manager. Julia is the president of Portland's WTS Chapter and is a member of ITE.



**Andrew Ooms** recently joined Kittelson & Associates, Inc.'s Portland office after graduating from Northwestern University with a Bachelor of Science in Industrial Engineering.

## International Candidate Statements

CANDIDATE FOR INTERNATIONAL  
VICE PRESIDENT  
**Alfred A. Guebert, P.E., PTOE, FITE**

CANDIDATE FOR INTERNATIONAL  
VICE PRESIDENT  
**Rodney W. (Rod) Kelly, P.E., Fellow**

(Continued from page 7)

understand the needs in other parts of the world... we then must take steps to meet those diverse needs...

*My priorities are: to provide transportation professionals from around the world with opportunities to learn from each other through regional workshops, pod-casts and web seminars; and to encourage international participation in the development of our products and services.*

I have developed the Leadership skills needed to lead the

Institute:

VP Candidate (2005, 2006); International Board of Direction (2001-2003); District 7 Exec Committee (1993-2001); Founding President, SK Section (1989-1993); APWA, TAC, ITS Canada, CTEP

I have the professional Experience required for the position:

As a traffic engineer with 21 years public sector (City of Saskatoon); 6 years private sector (Earth Tech and TSH); Professional Engineer registered in 3 provinces.

I also have the Knowledge to help guide ITE's technical programs:

B.Sc. EE & M.Sc. CE - U of S; PTOE Certification (2000)

... and I have the Passion to take on this role. I have a passion for the Profession; for the People in the Profession; for the Institute; and for the Public we serve... *I am committed to keeping you informed about and engaged in ITE!*

With an emphasis on Technical Excellence, Transportation Safety, Workforce Development and International Growth, ITE will become more valuable to all of us, and it will continue to be our organization of choice. If you need more information, go to my website ([www.alf4ite.com](http://www.alf4ite.com)), or contact me directly to discuss any specific issues ([aguebert@tsh.ca](mailto:aguebert@tsh.ca)).

Elect *Alf Guebert* as your next International Vice President of ITE!

(Continued from page 7)

i Opportunity for others to listen and learn from young professionals and future leaders

#### 4. **Increase Interaction among All Members**

- Support work of existing advisory committee
- Promote technical information exchange

#### 5. **Increase Involvement in Council Activities**

- Create more incentives to attract volunteers
- Focus on Recruitment, Management, and Recognition

#### **Qualifications and Experience to Fulfill Vision**

As a current member of the Coordinating Council and Chair of the Transit Council, I continue to provide leadership and have involvement in a broad range of ITE activities that give me a significant understanding of the organization and its current issues.

I have filled numerous professional and private life leadership roles that give me the skills to fulfill the responsibilities of a Board officer and accomplish my stated goals. My experience has given me the technical knowledge and management skills for dealing with a broad range of issues and personalities to fulfill my vision for ITE and effectively serve as your Vice President.

If elected, I will be dedicated to making sure that ITE continues to provide the membership with the services it needs and deserves. My proposed "Areas of Emphasis" are designed to accomplish my goals for seeking member input and providing services they have identified, as well as providing opportunities for involvement in activities that will benefit all members and the transportation profession overall.

For more detailed information about my goals, ITE service, education, professional experience, related activities, and family and personal life; please visit my website at [www.ite4you.com](http://www.ite4you.com).

Exercise your right to determine the future leadership of ITE by casting your ballot online when voting is available on June 29<sup>th</sup>. Your vote for Rod Kelly as International Vice President will be a vote for "Providing Membership Services for You".

## Section and Chapter Activities

### California Border Section



#### February 2006

The California Border Section February luncheon meeting was held at the Radisson Suite Hotel in Rancho Bernardo on February 2, 2006. Section President Ahmed Aburahmah presided over the meeting which began with self-introductions and announcements.

Approximately 50 members and guests enjoyed the meal of salmon with roasted tomato and basil cream sauce with tiramisu for dessert. Ahmed introduced our luncheon program speaker, Mr. David Stanek, a Senior Transportation Engineer with Fehr & Peers who gave a presentation on "Innovations in Traffic Simulation."

With the increasing levels of congestion in urbanized areas, micro-simulation programs have become more popular for analyzing traffic operations. Since the software is generally flexible, the application of traffic simulation can be extended to analyze many types of transportation problems. David summarized three recent projects to show how traffic simulation was used to integrate travel demand and traffic operations models, analyze the effects of parking maneuvers on roadway capacity, and evaluate lane configuration options for multi-lane roundabouts.

The presentation and following question and answer session were very informative.

#### March 2006

The annual joint-section technical workshop and luncheon meeting of the California Border and Southern California Sections was held at the Laguna Cliffs Marriott in Dana Point on March 24, 2006. The workshop and luncheon were attended by approximately 40 members and guests.

The morning workshop on "Innovative Bicycle Treatments" was kicked off by Joaquin Siques, Vice President of the Southern California Section and Ahmed Aburahmah, President of the Border Section. They welcomed the attendees and thanked the workshop organizers. Samir Hajjiri, Technical Chair for the Border Section introduced the panel of three presenters: Kathy Keehan, Executive Director of the San Diego County Bicycle Coalition; Matthew

Ridgeway, Principal of Fehr & Peers; and Jim Baross, Cycling Instructor with the League of American Bicyclists.

Ms. Kathy Keehan presented "Bike Project Planning - The In's and Out's of Bicycle Planning." During her presentation, Ms. Keehan discussed how and why bike projects happen, highlighting the preferred approach to bicycle project planning. The outcome of a bicycle facility project will be better accepted by a community, if the community is included in the bicycle facility planning process from the beginning. She also described the potential roadblocks for bicycle facilities and discussed how they can be overcome, if they are anticipated.

Mr. Matthew Ridgeway presented "Innovative Bicycle Treatments." Mr. Ridgeway began the presentation by reviewing some of the general design principles and guidelines for bicycle facilities. He then went on to discuss innovative treatments that have been used domestically and internationally. Treatments included, bicycle facility "Wrong Way" signage, installation of bike lanes to the left of bus lanes, and back-in angle parking. Mr. Ridgeway currently teaches a web-seminar on innovative bicycle treatments through the ITE Professional Development Program. For more information visit [www.ite.org](http://www.ite.org) and click on Web-Seminars, in the Professional Development drop-down menu.

Mr. Jim Baross gave a bicyclist-education presentation entitled "Bicycle Facility Safety Issues," teaching those in attendance how to ride correctly. Mr. Baross described that speed and positioning are the two fundamental concerns of a bicyclist riding on any bicycle facility. The most common bicycle facility used by bicyclist is a shared roadway, which does not fall under the typical Type I through III bikeway classifications. As such, it is imperative for bicyclists to know their rights and responsibilities. Mr. Baross provided good and bad examples of bicycling and described the challenges faced by bicyclist on various types of bicycle facilities.

After a short break, the joint section meeting began with Joaquin Siques asking attendees to introduce themselves and share a little about their bicycling experience. It was fun to hear about some of the bicycling adventures. General announcements and job postings followed. Members and guests from both sections enjoyed the meal of chicken or salmon with cheesecake for dessert. We also heard

campaign speeches from two candidates for the position of District 6 Secretary Treasurer and Mr. Rock Miller gave us an update on ITE at the international level and announced the nominees for ITE International President and Vice President.

For the luncheon program, Mr. Ed Cline presented "Interesting Traffic Signs Around the Nation." During his presentation, Mr. Cline provided examples of unconventional traffic signage that in many cases would make the National Committee on Uniform Traffic Control Devices cringe. The presentation covered regulatory, warning and guide signs photographed by Mr. Cline in his many journeys through the United States. The presentation was humorous as well as educational, providing examples of the right way and wrong way to provide traffic signs for motorists.

Both the technical workshop and the lunch presentation were well received by those in attendance and allowed for an informative Q&A session and group discussion.

The California Border Section contact is Maureen Gardiner at (619) 236-7225 or [mgardiner@sandiego.gov](mailto:mgardiner@sandiego.gov). Also, please visit our section website at <http://westernite.org/Sections/CalBorder/>.



Maureen Gardiner, Secretary



### San Francisco Bay Area ITE/ SBTOA

#### January 2006

The first 2006 meeting was held on January 19 at the Silver Dragon Chinese Restaurant in Oakland Chinatown. Over 80 attendees were present.

The meeting topic was Transit Oriented Simulation using AIMSUN and VISSIM. Two speakers were invited: Mr. Thomas Bauer, President, PTV America and Dr. Jia Hao Wu, Senior Associate, TJKM Transportation Consultants. Before the presentations, the President of SF Bay

(Continued on page 12)

## Section and Chapter Activities

(Continued from page 11)

Area ITE, Ms. Rachel Donovan introduced the newly elected board members to the audience.

Mr. Bauer and Dr. Wu provided an overview of the two software packages and then focused on Transit-related characteristics, including Bus Rapid Transit (BRT), Light Rail Transit (LRT) and Multimodal Transit Terminals. Both simulation tools can evaluate traffic networks with transit operation and also demonstrate great graphical simulation outputs.

The detailed PowerPoint presentations can be downloaded from <http://www.sfbayite.org>.

### February 2006

The February meeting was held on the 16<sup>th</sup> at Ristorante Raphael in Downtown Berkeley. Over 60 attendees were present including students of UC Berkeley. Jim Helmer, Director of Department of Transportation for the City of San Jose made the presentation.

Jim identified the causes and factors leading to red light running. He presented engineering countermeasures to reduce red light running and introduced techniques to calculate change intervals for safe intersection operation.

Ken Ackeret, the ITE District 6 President traveled to the Bay Area to attend this meeting. He made a Presidential Declaration of Glen Griggs Day in recognition of Glen's achievements.



Pratyush Bhatia  
Co-Scribe



Allen Huang  
Co-Scribe



## California Central Coast

### February 2006

Our annual joint meeting with Southern California Section was held on Valentine's Day, February 14, at Plug Nickel Restaurant in Westlake Village. Everyone feasted on Petite Steak topped with fried onions,

Chicken Breast with champagne sauce and Vegetarian Lasagna.

Sunil Rajpal, Southern California Section President, and Ray Chong, Central Coast Section Vice President, presided over this meeting.

Monica Suter, P.E., PTOE, Senior Civil Engineer for the City of Santa Ana, discussed the effect of flashing rates of in-roadway lights and activated flashing beacons on seizures. She described her experience in Santa Ana to determine appropriate flash rates without causing inadvertently contributing to seizures. Monica showed different situation of the flashing rates in video clips. She sought guidance with Manual of Uniform Traffic Control Devices. She met with the National Committee on Uniform Traffic Control Devices.

As a bonus, she presented video detection for in-pavement flashing crosswalks. The City was to enhance driver's awareness without decreasing pedestrian level of caution taken. They considered active and passive detectors. Video detection challengers are: shadowing effects; adequate lighting; tree shadow effects; vertical clearances with overhead utility lines; existing fences, walls, poles; and moving shadows (people). The City decided to deploy video detectors at three of four locations.

Our turnout was a total of 49 people: 34 from Central Coast Section and 15 from Southern California Section.



Ray Chong, Scribe

## Central California Section



### April 2006

Our April 19, 2006 meeting was held at Grand Occasions in Fresno. The meeting was sponsored by TJKM Transportation Consultants. Over 40 members and guests enjoyed an excellent tri-tip lunch buffet and two excellent speakers.

Our first speaker was Gary Kruger, P.E., Principal Associate of TJKM

Transportation Consultants. Gary presented the findings and conclusions of the Fresno-Madera County Interchange Deficiency Study conducted from mid-2004 through 2005. Fifty-six interchanges were listed for analysis at the outset of the study. The consultant team of TJKM and HDR developed evaluation criteria to screen out interchanges with few, if any problems so that study resources could be better applied to the truly deficient locations. The initial screening resulted in 21 interchanges proposed for detailed analysis, and six more were added for a total of 27 interchanges. The detailed analysis included conceptual plans for small to major improvements. Interchange spacing, while an issue, is something that could not generally be resolved, because deletion of interchanges is a difficult issue. The study developed a \$200+ million improvements program, and included a "what-if" analysis of funding through traffic impact fees, CEQA actions, and assessment district financing. The study recommended a "Next Steps" program that is expected to be addressed in a Phase 2 study in the future.

Our second speaker was Ron Silva, CEO of Westar Transport. Ron shared with us his "Westar Transport Short Sea Shipping Vision: A National Water Highway System for the West Coast." Short Sea Shipping has the potential to remove thousands of trucks (big rigs) each day from I-5 and HWY 99.

Westar Transport proposes a National Water Highway System (NWHS) service for California and the West Coast. The proposed coastal shipping service consists of large Roll-On-Roll-Off (Ro-Ro) ships servicing Northern and Southern California, Portland and Seattle port terminals. As well as Ro-Ro barges serving as feeders' to/from the ports of Oakland and LA/Long Beach providing port congestion relief. The coastal Ro-Ro service would connect Northern California with the Pacific Northwest, and L.A./Long Beach with destinations further south to Mexico and north to Canada. The proposed service will move trucks from long-haul routes to local radiuses around the port terminals, and convert these trucks to run on clean-burning LNG or other alternative fuels. The proposed NWHS service will dramatically improve goods movement, and simultaneously:

- Generate jobs
- Increase mobility and relieve traffic

(Continued on page 13)

## Section and Chapter Activities

(Continued from page 12)  
congestion

- Improve air quality and protect public health
- Enhance public safety and port safety
- Improve quality of life for truck drivers and the general public
- Contribute national security by providing military utility
- Provide port congestion relief

For more information on Short Sea Shipping go to the WestarTransport Web Site at [www.westartransport.com](http://www.westartransport.com)

### Future Meetings

July 19, 2006 – Luncheon – Visalia

Sponsored by Citilabs

Topic: Using strategic model data for operational level analysis and moving data from the travel demand model to HCM and Micro simulation.

October 18th, 2006 - Fresno

Sponsored by PRISM Engineering

Topic: Roundabouts

Mike Bitner, President



## Positions Available

# TRC

TRC is seeking project managers, engineers, designers, and interns for the transportation, land development, and water resources departments in its Irvine office.

Incorporated in 1970, TRC is a full-service environmental and engineering services firm employing over 2,700 professionals in more than 80 offices nationwide. TRC provides innovative services to a broad range of public and private sector clients in the infrastructure, transportation, environmental assessment/remediation and permitting, energy, and land development markets.

Ideal candidates will possess strong communication skills, as well as successful prior experience relevant to desired position.

Please send letters of interest and resumes to Karen Chapman via fax at (949) 753-5164 or via email to [kchapman@trcsolutions.com](mailto:kchapman@trcsolutions.com).

# URS

URS needs a Lead Civil/Hydraulics Engineer with stormwater management expertise for the most significant highway project in Washington State – the I-90 corridor. URS Corporation has been involved in the rehabilitation, expansion, and development of complex surface transportation systems worldwide. We're the innovators in the field of engineering, architectural, environmental, planning, design, systems engineering, technology development and program/construction management. Our professional staff includes approximately 27,500 employees in 300 offices worldwide.

The Lead Civil/Hydraulics Engineer position will provide leadership for the design of stormwater collection, conveyance, treatment and discharge systems for the highly visible I-90 project. The Engineer selected for this position will be a part of a dynamic project team who will work closely with WSDOT and technical experts from a variety of fields. The position will also require the coordination of EIS and permitting efforts, as well as, preparation of plans and specifications.

The Lead Civil/Hydraulics Engineer will possess exceptional writing, communication and presentation skills, knowledge of federal, state and local regulations (including but not limited to the State Water Quality Standards, SEPA, and Ecology Stormwater Regulations).

The position will be based in Yakima, WA, co-located with WSDOT staff.

Minimum requirements: B.S. Civil Engineering, PE license, 10 years' experience.

URS Corporation has been recognized by Engineering News-Record as the #1 design firm for the fifth consecutive year. You will find one of the best benefit packages in the industry with competitive salaries. But most of all, you will find a company that values its employees.

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### TRANSPORTATION PLANNERS/ TRAFFIC ENGINEER

**DKS Associates** is a national leader in traffic and transportation engineering. We are an employee-owned firm and offer top salary and benefits and the opportunity to advance your professional career. We have the following immediate openings:

**Transportation Planner/Engineer (Oakland, CA).** Responsible for conducting and managing traffic impact studies, travel demand forecasting, GIS based analysis, preparing proposals, marketing for new projects, and making client presentations. BS/MS and 5-7 years related work experience. Good written and verbal communication skills. PE or TE and previous work experience in consulting a plus.

**Transportation Planner/Engineer (Sacramento, CA).** Responsible for conducting and managing traffic impact studies, travel demand modeling, GIS based analysis, corridor studies, circulation element updates and transit studies. BS/MS and 3-5 years related work experience. Good written and verbal communication skills. PE or TE and previous work experience in consulting a plus.

### Positions Available Ads:

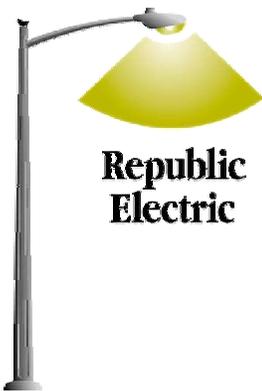
To place your ad, e-mail your ad to [douglas\\_smith@urscorp.com](mailto:douglas_smith@urscorp.com). The deadline is the 28th of the previous odd-numbered month. The cost is \$1.50 per word, with a minimum cost per ad of \$100.00. Ads are also posted on our web site at [www.westernite.org](http://www.westernite.org). More information is available on our Web site.

# Positions Available

## Traffic Engineer (Oakland, CA).

Responsible for signal design and signal timing projects. BS/MS and 5-7 years related work experience in signal design and signal timing and traffic operations. Good written and verbal communication skills. PE or TE and previous work experience in consulting a plus.

Please forward cover letter and resume to [careers@dksassociates.com](mailto:careers@dksassociates.com).



Republic Electric is the largest traffic signal and street lighting maintenance contractor in California. We also have a sizeable electrical contracting business and a growing consulting engineering practice. Our

consulting practice is focused on providing contract staff assistance to agencies throughout the state and providing the engineering input to design-build contracts. We currently have two openings:

A traffic signal operations engineer with a minimum of 3 years experience for our Sacramento office. Experience operating a traffic signal system, an MS degree in Transportation Engineering and an EIT certificate, TE or PE license are desirable but not mandatory.

A consulting transportation engineer with 5 or more years experience focused on traffic signal and lighting design, and traffic signal timing for our Anaheim office. BSCE, Registration as a Civil or Traffic Engineer in California, and business development experience are desirable.

If you currently work for an agency and want to continue your technical work but for a broader group of agencies, or if you currently work for a consultant but want more hands on experience, this is the position for you. Both positions involve daily interaction with field technicians and hands on work, with design, operations, construction and/or maintenance of traffic signals.

Republic Electric offers a competitive salary and benefits package, and is an equal opportunity employer. Please reply in confidence to Steve Fitzsimons at [sfitzsimons@republicelectric.com](mailto:sfitzsimons@republicelectric.com).



ADVANTEC Consulting Engineers

## MID LEVEL TRAFFIC ENGINEERS

ADVANTEC Consulting Engineers is a consulting engineering firm based in Diamond Bar. We have immediate job openings for Mid-Level *Traffic Engineers*: Candidates shall possess electrical, civil or traffic engineering degrees with 3 to 5 years of experience in developing plans, Specification and Estimates (PS&E) for traffic management systems, such as traffic signal timing, ITS, fiber optic communications. We offer very attractive compensation, including competitive salaries, medical and dental insurance, vacation, bonuses and others. Email resumes to: [HR@advantec-usa.com](mailto:HR@advantec-usa.com). EOE

## TRANSPORTATION PLANNER/ ENGINEER (NW05-001)

**Responsibilities:** This position could be located in any of our Pacific Northwest offices, including Bellevue WA, Olympia WA or Portland, OR. This individual will be responsible for independently conducting transportation technical analyses, including travel demand forecasting and modeling; traffic impact analysis, and transportation policy and plan development. Responsibilities will include preparation of environmental impact analysis in transportation, including reviewing and interpreting technical data, identifying significant issues and impacts, identifying potential mitigating measures and preparing recommendations for resolving issues. Business development responsibilities will include participation in the preparation of proposals and other marketing materials.

**Requirements:** B.S. in Transportation Engineering, planning or related field. Masters degree preferred, with 2-3 years of professional related experience. The position requires excellent communication, organizational, problem-solving and project management skills. Some travel is required. Must be able to prepare written technical and environmental transportation discipline reports. Knowledge/ understanding of SEPA and NEPA preferred.

**Application Process:** If you are interested in a challenging opportunity with a dynamic employee-owned firm that offers an outstanding compensation

package, send a cover letter with resume and three professional references to: Human Resources Department/NW05-001 Jones & Stokes  
2600 V St., Sacramento CA 95818-1914  
Fax: (916)737-3048  
E-mail: [jobs@jsanet.com](mailto:jobs@jsanet.com)  
[www.jonesandstokes.com](http://www.jonesandstokes.com)  
EOE/AA/M/F/D/V

## CIVIL ENGINEER 2

(Design Engineering Section)  
(Job #3271)

\$56,908 - \$72, 883 annually (2005 Rates)

Perform advanced professional work in project management and civil engineering for the Design Section of the Project Engineering Division of Transportation Services. Serves as lead engineer in the coordination and development of project scopes, report and plan preparation, calculating quantities and cost estimates for road and storm drainage projects. Responsible for developing, maintaining, and managing project schedules, assigning resources, and monitoring task development. Must be familiar with current applicable standards and regulations and relative scheduling and engineering software programs. Requires three years of progressively responsible experience related to the position AND either a four-year degree with major course work in civil engineering or closely related field OR, substituting for the degree, registration as an Engineer-In-Training. Satisfactory physical condition, as evidenced by a County-approved physical examination, may be required prior to appointment. Union membership is required within 30 days of appointment.

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Pierce County Human Resources Dept  
or (253)798-7480 or  
TDD (253)798-3965. EOE

## TRANSPORTATION DESIGNER

Candidate will have 2 years experience in traffic planning or traffic design plus a BSCE of the equivalent work experience of 6 years. That experience must include all or part of the following: Traffic Impact Studies, Traffic Capacity Analyses, Parking Analysis and Design, Signal Timing and Coordination, Traffic

## Positions Available

Signals, Traffic Control. Candidate must have working knowledge of the Highway Capacity Manual and associated software (HCS), Traffix Software, Synchro and Simtraffic software and MircoStation or AutoCAD. Familiarity with Caltrans standards and procedures relating to traffic planning and operations is a plus.

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