

Westernite

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President's Message

By the time you see this message, our Mid-Year Board Meeting for the District will soon be underway or has just been completed. Your District 6 Board meets twice a year: once at the end of January, (this year on February 3rd in Las Vegas), and again just prior to the Annual Meeting. The Mid-Year Meeting allows each of our volunteer committee members to report on their activities. During this meeting the Board also reviews and accepts a slate of candidates for the District 6 Secretary-Treasurer and International Director positions.

As soon as the Board accepts the slate of candidates, the District 6 campaign season is underway. I hope everyone takes time to learn about each of the candidates and vote. These individuals will be spending their personal time and money to let each of you know why they would like to have an opportunity to represent you at either the District or International level of ITE. So please make sure when you see them over the next few months that you thank them for their commitment and volunteer time in support of our organization.

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*Ken Ackeret,
District 6 President*

Alternative Fuel Vehicle Technologies at Hickam Air Force Base

The Hawaii Center for Advanced Transportation Technologies (HCATT) is a project of the High Technology Development Corporation (HTDC), an agency of the State of Hawaii. Formerly known as the Hawaii Electric Vehicle Demonstration Project, HCATT was established in 1993 and was one of seven regional consortia participating in the Defense Advanced Research Projects Agency (DARPA) and Department of Transportation (DOT) Advanced Vehicle Technologies Program. HCATT's primary objective is to develop and demonstrate zero emission and low emission transportation technologies to meet military and commercial needs. Past projects at the center include the provision of rapid charging systems on the island of Oahu that were utilized by a select number of demonstration vehicles, the development of electric trams for use at the

Honolulu International Airport, hybrid buses for use in the City and County of Honolulu's bus system, and a battery cycle life prediction model.



In 2001, HCATT began a partnership with the Advanced Power Technology Office (APTO) at Robins Air Force Base (AFB). APTO's objective in Hawaii is to establish a National Demonstration Center at Hickam AFB to facilitate demonstration

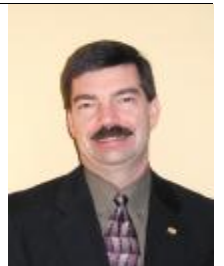
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Highlights from the International Board of Direction Meeting

The International Board of Direction (IBOD) met October 28th-29th, 2005, at ITE Headquarters in Washington, D.C. The IBOD generally meets three times a year, and includes your three Directors from District 6 (Pat Noyes, Rock Miller, and Rory Grindley), together with the International Directors from the nine other ITE Districts, the ITE Executive Committee and the Coordinating Council Representative. Other IBOD members from District 6 included International President Tim Harpst, Vice President Rich Romer, and out-going Coordinating Council Representative Wayne Tanda. As the fall IBOD meeting is the last of the year, it serves as a great introduction for the Director-elects, who start their official term in January; Julie Townsend, our

International Director-elect was there to contribute, as well as to be given her oath of office. Rich Romer also received his oath of office for International President come the New Year, when Tim gracefully steps aside and assumes the position of International Past President.

The first day of the IBOD meeting called for presentations and updates from invited guests and ITE staff. First up was an overview with recommendations of how



*Rory Grindley,
International Director*

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Alternative Fuel Vehicle Technologies at Hickam Air Force Base

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and validation of the latest fuel efficient and environmentally compliant technologies for use in Air Force support equipment, Basic Expeditionary Airfield Resources (BEAR), and ground vehicle fleets. The goals of the National Demonstration Center include the introduction of fuel cell technology, development and evaluation of fuel cell powered vehicles and support equipment, determination of hydrogen infrastructure requirements, and development of deployable hydrogen refueling stations. In February 2004, the center achieved one of its goals when it unveiled a fuel cell hybrid electric bus at Hickam AFB, the first fuel cell vehicle in Hawaii and in the U.S. Air Force. The 30-foot flight crew shuttle bus was a \$1 million, four-month collaborative effort between HCATT, power management technology developer Enova Systems, and hydrogen and fuel cell technology developer Hydrogenics Corporation. The shuttle bus will undergo a one-year data collection and analysis effort while operating under daily routine service conditions after which, the bus will continue in routine service at the AFB.



The converted ElDorado National RE-29E shuttle bus is powered by a battery-dominant series hybrid fuel cell system that draws primarily on traction batteries to provide power to the 120kW Enova Systems electric drive system. These Hawker advanced lead acid traction batteries can be recharged by any of three

About the Author:

Cathy Leong is the Local Arrangements Committee Chair for the 2006 Annual Meeting in Honolulu, Hawaii.

Information for this article was provided by HCATT Director, Thomas L. Quinn, who can be reached at tquinn@htdc.org or (808) 594-0100.

options: plugging into a wall outlet to use the on-board charger, plugging into an off-board rapid charger, or operating the bus for a time on an undemanding drive cycle to charge the batteries using the fuel cell system which is comprised of a 20kW Hydrogenics fuel cell power module and two Dynetek 5kg hydrogen storage tanks. Depending on the operation of the bus and its efficiency, supplementary charging may be required only every other night.

Some of the other goals of the National Demonstration Center at Hickam AFB are the development of infrastructure to support the hydrogen requirements at



Hickam AFB and the development of deployable hydrogen refueling stations. The fuel cell hybrid electric bus currently in service at the AFB will require hydrogen refueling in the future and the center is working on interim, short-term, and long-term solutions. For the interim, the center is constructing three DOT approved "12-packs" to transport compressed hydrogen from a cylinder refilling site to the AFB. For the short-term, the center intends to add an on-site hydrogen production system utilizing electrolysis to eliminate the need for hydrogen delivery and to increase hydrogen storage. For the long-term, the center hopes to develop a permanent station at the AFB, as well as a modularized system that is fully deployable by military or commercial transport and fully scalable for low and high volume fill requirements without modifications. This modularized system or Packaged Operating Module (POD) is envisioned as a crush-proof, transportable, carbon steel package that includes both forklift and sing (top) lift points for military or commercial transport. Three of these deployable PODs would make up a refueling station: one for the hydrogen fuel processor, one for the hydrogen pressure management, and one for the hydrogen pressure storage.

The FY06 Senate Defense Appropriations Bill allocates \$4 million to expand the program at Hickam AFB. HCATT awaits passage of the bill through the Senate and House conference. Ongoing major initiatives include the aforementioned hydrogen infrastructure

The HCATT facility in Honolulu, Hawaii will be the site of a technical tour during the upcoming 2006 District 6 Annual Meeting. For more information about the Annual Meeting, visit the meeting website at www.ite-hawaii.org/annualmeeting.)



and deployable refueling station programs, as well as the development of a fuel cell/battery powered step van, fuel cell/battery powered tow tractor, fuel cell powered light cart, fuel cell powered generator for ground support equipment, lithium battery powered pick-up truck, and lithium battery powered step van. For more information regarding on-going and future projects, visit the HCATT website at www.htdc.org/hcatt.

Westernite Apology

Dear District 6 ITE Members:

On behalf of the ITE District 6 Leadership, we would like to offer our sincere apology to the City of Pasadena for the misuse of a title on the front page of the recent WESTERNITE magazine for an article submitted by Ms. Jolene Hayes, the Senior Transportation Planner at the City of Pasadena.

We acknowledge and would like the ITE members to know that the City of Pasadena had nothing to do with the caption "New Ways to Stick It To Developers" that was used in the WESTERNITE. This caption was chosen by the WESTERNITE publishing team and WESTERNITE takes full responsibility for any negative publicity this may have created for the City of Pasadena.

We are assured that the City of Pasadena has established one of the most effective transportation improvement, monitoring and mitigation programs in the Country. This was evident by the City's winning of the "2005 International ITE Transportation Planning Council Best Program Award".

The WESTERNITE Leadership deeply regrets any unintended impact to the author and to the City of Pasadena.

Sincerely,
WESTERNITE Leadership

Au i ke kai loa



Aloha! On behalf of the Local Arrangements Committee and the Hawaii Section, I would like to invite you to join us in Honolulu at the Sheraton Waikiki for the 2006 District 6 Annual Meeting from June 25-28, 2006! Our slogan, 'Au i ke kai loa, is literally translated as "one who swims the distant seas" and is usually said of one who travels from afar. We hope that all of you decide to make the far journey to Hawaii and join us at the 2006

District 6 Annual Meeting! Located in Honolulu on the Island of Oahu ("the Gathering Place"), Waikiki is a modern metropolis that is framed in an exquisite natural setting providing an ideal location for the technical and social activities for the 2006 meeting. The Sheraton Waikiki is centrally located on the world famous Waikiki Beach with easy access to shopping, entertainment, and a wide

variety of historical, cultural, natural, and recreational attractions. One of the highlights of the meeting will be the Family Night event held on Monday evening that will feature a private luau under the stars at the Sheraton Waikiki.

Please visit our website at www.ite-hawaii.org/annualmeeting/ for more details about the 2006 Annual Meeting. Information for vendors and sponsors and the Call for Abstracts (due January 13,

2006) are available on-line, as well as information and on-line booking for family activity, travel, and hotel accommodations. In addition, we will soon be adding on-line registration for the meeting! We encourage everyone to make their reservations early since Hawaii is a very popular destination during the summer months! In addition, attendees that register for the meeting and reserve their hotel accommodations at the Sheraton Waikiki by the early registration deadline will be eligible to win a three night stay at the Sheraton Waikiki. So, start making your plans today and we hope to see you in Hawaii!



President's Message

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Our committee chairs are also dedicated volunteers for our District. Without their help many of our key District activities would not take place. When you see one of the following individuals, please make sure to thank them for all the hard work and time they volunteer to ITE.

- Karen Aspelin, Technical Committee Chair
- Walter Stringer, Legislative Committee Chair
- Craig Grandstrom, Career Guidance Committee Chair
- Walter Okitsu, Engineering Registration Chair
- Open, Vendor Chair
- Steven Sasaki, Membership Committee Chair
- Jon Pascal, Web Site Committee Chair
- Alyssa Reynolds, Student Initiative Chair

Please join me in welcoming our volunteer team. Two of our newest Board members are Doug Smith and Michelle Bitner Smith who have accepted the position as our new WesternITE editors. This is their first WesternITE issue and they deserve a big thank you for taking on this task.

It is now time for everyone to start seriously planning to attend the District 6 Annual Meeting. The Hawaii Section is looking forward to hosting this year's meeting. The Local Arrangements Committee Chair Cathy Leong and her committee have been working for years in preparing for our visit. I had a chance to visit the hotel on a business trip before the holidays. I want to let you all know you do not want to miss this meeting. The hotel is fabulous, the meeting rooms are great and the Family Night will be an event you do not want to miss with Diamond Head as a backdrop. So mark your calendars for June 25-28 and make your reservations at the Sheraton Waikiki Honolulu to attend. "Au i ke kai loa." I look forward to seeing everyone at our Annual Meeting in Hawaii for a great technical program.

Ski Colorado with ITE!

The Colorado-Wyoming Section invites you and your family to join us on Saturday, February 18th, 2006 for our 4th annual winter party train ride from historic Denver Union Station in the heart of Lower Downtown to magnificent Winter Park Ski Resort (and its more challenging sister resort, Mary Jane). Ride in luxurious Club Car splendor with your ITE pals, without the hassle, headaches, delays and peril of I-70 driving for only \$40. The train leaves Denver at 7:15 a.m. and returns from Winter Park at around 6:30 p.m. Heavily discounted tickets for the train ride (which don't include your ski area pass) are only available through the Section's Activities Coordinator, Eric Boivin, coproprietor of All Traffic Data Services, at 303.216.2439 or eric.boivin@alltrafficdata.net. For more information about the Ski Train, visit www.skitrain.com or call 303.296.4754. Learn more about Winter Park (not just for skiers) at www.skiwinterpark.com. Space is limited, so call today, and we'll see you on the train!

International Director's Report

(Continued from page 1)

ITE can serve its membership and the profession in the area of Maintenance & Operations, one of the mega-issue topics identified previously by the board where ITE should be asserting its influence. The distinguished panel of speakers (Jeff Paniati, FHWA; Steve Lockwood, PB Consulting; Wayne Tanda, Monterey County; and Steve Gayle, Binghamton Metro Transportation Study) suggested ITE could develop training tools (for professionals as well as practitioners/technicians), provide a common forum for the dissemination of information, convene regional workshops, and coordinate the efforts of select ITE Councils towards identified M&O aspects. ITE staff will now work on summarizing the recommendations of the panelists with the comments from the Board, to develop an action plan for the areas of activity that ITE should address.

Four presentations, giving an overview of the SAFETEA-LU authorization, were made by FHWA staff: Susan Binder, Office of Policy and Government Affairs; Michael Halladay, Office of Safety Programs; Jeff Paniati, Office of Operations; and Cindy Burbank, Office of Planning Environment and Realty. Certainly, the good news is that we finally have an approved authorization. The bad news is that it took so long to achieve that many highway/transportation projects were stalled while waiting for the funds. Further, they are still deciphering all the provisions of the bill, trying to resolve any inherent conflicts and apparent oversights (like having no provisions for maintaining/updating critical operational documents like the MUTCD). Lastly, there still looms the threat of across the board budget cuts to balance other fiscal needs (like the hurricane disasters).

Meanwhile, the Institute's own finances remain in good hands, as reported by Tom Brahms and Pete Frenz. In fact, the long-standing policy goal of achieving a cash reserve in the amount of 50% of the overall general operating expenses was reached for the first time this prior year. The 2005 approved budget had a projected deficit of \$460,000 for the year, mainly as a result of the International Meeting being held outside of North America. The delay of the SAFETEA-LU authorization put a

squeeze on several of ITE's own revenue generating contracts with FHWA, and other items such as declining publication sales put the actual revenue well below the anticipated annual amount. But with some cost-cutting measures and a little belt-tightening through the year by headquarters' staff, the actual projected deficit for the year now stands at just over \$300,000.

Day two of the meeting resulted in several discussion items and actions by the IBOD, including eventual adoption of the 2006 budget. Look for a slight dues increase to cover the costs of inflation. The IBOD is working with ITE staff to revise and streamline the overall membership grade and dues structure; this will be a lengthy effort and ultimately require a vote to the membership for approval of changes to our Constitution. On the flip side of the dues increase, by prior IBOD action, each dues-paying member will now also receive membership to one of the 11 technical Councils of their choice as part of the membership costs (where previously membership to each Council was an additional \$20). And speaking of the technical Councils, as mentioned previously Wayne Tanda has completed his term as Chair of the Coordinating Council, which oversees the work and direction of the Councils. The very capable Mark Norman, TRB, began his term as the new Coordinating Council Chair on January 1st.

A recap of the 2005 ITE Annual Meeting and Exhibit in Melbourne, Australia, showed that the meeting drew a total attendance of just under 900 registrants, somewhat lower than the expected turnout of 1,400. Aside from the lower than expected attendance, and the resulting financial implications, the meeting was still a success in many aspects such as technical merit and global image. Nevertheless, the debate still continues at the IBOD level as to whether ITE should project itself as an international organization versus a North American organization with international members. This issue will be pursued further by ITE staff and the IBOD over the coming year. Please let your International Directors know of your thoughts so that we may appropriately represent the membership's desires.

The 2012 ITE Annual Meeting is slated to be hosted by a city within District 6; however, no formal selection has yet been approved by the IBOD. Instead, we

are working to review the selection procedures to allow more flexibility in negotiating contracts among several selected cities for the best year to be held in each city, in order to avoid conflicting conventions and timelines already committed within the cities. Once the revised policy is approved, selections will begin for the 2012 through 2015 meeting sites.

Efforts by the Leadership Development Task Force, chaired by Rich Romer, are nearing fruition with the offering of web-based training for Section/Chapter/Student Chapter officers on the horizon. Additionally, emphasis will be placed on guiding potential future leaders of ITE by finding mentors to pair with these prospective members. The initial phase of this effort will attempt to pair leaders from each District with a new member. On the Professional Development side, ITE has now offered over 20 webinars, and has sold over 200 assorted copies of the eight CD-based training courses available (two of which are also offered in Spanish).

The next meeting of the IBOD will be immediately prior to the 2006 ITE Spring Technical Conference and Exhibit, to be held March 19th-22nd at the Crowne Plaza Riverwalk in San Antonio, Texas. Mark those dates in your PDA, along with the August 6th-9th dates for the 2006 ITE Annual Meeting and Exhibit in Milwaukee.

And as we now welcome Julie Townsend as our newest International Director, we must also say goodbye to Pat Noyes as both an IBOD and District Board member. She has been such an icon (I guess I can't say "rock" for obvious relevance to specific other IBOD members) for ITE at both the International and District levels. She is (now was) the longest active-serving District Board member, serving 10 years, dating back to 1994, and is probably second only to Wes Pringle in the category of lifetime board member tenure. Happy Trails, Pat!! We will certainly miss your wit and wisdom in the Board Room!

Remember that your International Directors are here to represent you. So please let any of us (Rock, Rory, or Julie) know of any specific issues or items you feel require the IBOD's attention. We're also available to travel to your local Section and Chapter meeting to meet firsthand with our members.



Call for Abstracts for the 2006 Intermountain Section Annual Meeting

The Intermountain Section's 46th annual meeting will be held on May 18-20 at the Snow King Resort in Jackson Hole, Wyoming. Members and friends of ITE wishing to make a technical presentation must submit abstracts by March 1st, 2006.

To be considered for the Best Technical Paper contest, you must also submit a paper (six pages or less) by April 14th.

To receive a paper/presentation application form or for more details, please contact Michael Sanderson, Engineering, Inc., at msanderson@enginc.com or (406) 656-5255.

This form, as well as more information about the meeting, is also available from the Section's Web site, which is accessible via the "Sections/Chapters" link at www.westernite.org.

California PE Board Needs Traffic Exam

The California Board for Professional Engineers and Land Surveyors (BPELS) needs experts to help prepare the 2006 Traffic Engineering examination, to be offered in October. Denise Tomlinson of the Board reports that she has just enough experts for the February 7-8, 2006 session, but needs help for the remaining 2-day sessions: Item Writing March 7-8, Item

Writing March 21-22, Item Review May 9-10, Pre-Test August 10-11, and Standard Setting November 2-3. The work sessions are in Sacramento.

You need to be a licensed California Traffic Engineer to attend. As many of you who have participated in the past can attest, helping to write the TE exam is an outstanding way to brush up your own

skills in traffic engineering. And you get paid, to boot. Most of the lodging, meals, and travel costs will be reimbursed.

If interested, send your resume and the sessions for which you are available to Denise Tomlinson at BPELS, 2535 Capital Oaks Drive, Sacramento CA, 95833-2246. She can be reached at (916) 263-2277 or Denise_Tomlinson@dca.ca.gov.

Editor's Corner

Happy New Year!

It's been about six weeks since WesternITE transitioned to the new Editorial Team. In that short period of time, I have learned two important things: 1) Michelle and I can produce the newsletter without a single argument (so far); and 2) I have even more appreciation for the great job that John Kerényi did for the past three years.

In talking with Ken Ackeret over the last few weeks, I have learned that his vision for the Presidency includes an emphasis on volunteerism within ITE. I believe that ITE is the most effective organization in the engineering industry and that an increase in volunteer participation will only continue to improve ITE as a professional outlet.

Your volunteer newsletter team of Michelle Bitner Smith; Nate Larson,

Technical Editor; John Pascal, Webmaster; and I will continue to produce the best newsletter and website possible. We are counting on you, as volunteers, to continue to provide us with your ideas and technical expertise as well as your advertising.

Thanks for your continued support,

Douglas E. Smith
Editor

Section and Chapter Activities



Central Coast Section

October Meeting

We held our October 11 meeting at the Shoal Restaurant at the Cliff House Inn by the Sea in Mussel Shoals. The venue offered romantic fine dining on the surf with spectacular views of the Channel Islands National Park. Everyone enjoyed lunches of grilled salmon fillet, shoal burger, or mango chicken salad.

Mark Wessel, Principal with Interwest Consulting Group, and Timothy Bochum, Deputy Director of Public Works, provided their perspectives about level of service methodologies for Ventura, Santa Barbara, and San Luis Obispo counties on the Central Coast.

In 1990, Proposition 111 mandated regional Congestion Management Program (CMP) with one requirement to evaluate traffic impacts at regionally significant intersections. Standard LOS methods were established in Ventura County in 1991 and in Santa Barbara County in 2002. San Luis Obispo County has no CMP since it is less urbanized. However, a countywide traffic impact fee program may change the picture.

Mark described the technical development of the standard LOS method of Intersection Capacity Utilization (ICU) in Ventura County by consensus, whereas a compromise was reached in Santa Barbara County on a standard LOS method of ICU.

Timothy discussed the use of Highway Capacity Manual (HCM) approach for LOS method with Synchro software. He presented a case study of a major development in the City of San Luis Obispo. The relative advantage is that ICU is simple. In contrast, HCM is powerful and flexible.

We had a good turnout of forty-four attendees.

November Workshop

Our annual workshop focused on Neotraditional Neighborhood Design. It was held on the morning of November 8 at San Buenaventura City Hall, a former

Ventura County Court House, and an historical landmark. Thirty-one people attended this informative workshop.

Anthony Perez of Moule & Polyzoides Architects and Urbanists, Detlev Peikert of Peikert Group Architects, and Don Hubbard of Fehr & Peers Transportation Consultants presented their expertise and case studies on Neotraditional Neighborhood Design.

Anthony gave an overview of the fundamentals in Neotraditional Neighborhood Design. He contrasted conventional suburban development versus traditional neighborhood development (TND) with street types. "Transect Zoning: ranges from natural zone to urban core zone." He presented several case cities including Claremont Village, Old Town Pasadena, and Victoria Gardens in Rancho Cucamonga. They have form and character, design concept, street types, scale, building types, and frontage types. He further described Downtown Ventura, Granada Court in Pasadena, Harper Court in Pasadena, and Del Mar Station.

Detlev discussed the importance of creating a livable community with sustainability and livability. He described several TNDs on the Central Coast that are in-fill developments, including Downtown Santa Barbara. Features included pedestrian connectivity, green pedestrian streets, courtyards, underground parking, and housing types.

Don presented "Modeling Smart Growth." He showed the weaknesses of traditional travel demand models concerning smart growth. Blind spots include walking trips, land uses, and trip generation. For trip generation, the four differences (4Ds) are residential & employment density, diversity of land use types, walkable design, and access to regional destinations. His case studies in modeling the effects of smart growth include Atlantic Steel site in Atlanta, using the 4Ds in long-range forecasts for Sacramento Area Council of Governments' Blueprint, and forecasting in front of a live audience at San Luis Obispo Council of Governments' visioning workshops. Travel demand models need to account for smart growth.

After the morning workshop, we had lunch at Chicago for Ribs Restaurant, "A Class Rib Joint" in Historic Downtown Ventura. Everyone enjoyed their meal of ribs, grilled shrimp, or Chicago wings.

December Meeting

Our annual business meeting was on December 13 at Acapulco Mexican Restaurant in Ventura. We ate a delicious buffet of California-Mexican food.

International Director Rock Miller summarized the highlights of the latest developments at national and District 6 levels. He also presented "Walking in L.A.", a Los Angeles Crosswalk Safety Study by Katz, Okitsu & Associates.

President Jim Biega presented an ITE Life Member certificate to Brent Muchow. Keith Franklin was given a Lifetime Achievement Award from the Central Coast Section for his outstanding contributions to ITE. Scott Schell of Associated Transportation Engineers gave a tribute to Keith.

Treasurer Steve Orosz presented a financial report of the Central Coast Section. Past President Farhad Miran announced results of the election of 2006 officers. Farhad presented a plaque to Jim Biega in recognition and appreciation for his service as President in 2005. Rock Miller swore in Ray Chong as Vice President, Steve Orosz as Secretary, and Robert Sweeting as Treasurer.

Thirty-nine people attended this annual business meeting.

Ray Chong, Secretary



Colorado-Wyoming Section



November 2005 - Meeting Highlights

A luncheon meeting for the Colorado/Wyoming Section of ITE was held on Friday, November 4, 2005 at the Sheraton in Colorado Springs, Colorado. Section President Will Johnson, presided over the meeting that was attended by 44 members and guests. The meeting was kicked off with roundtable introductions.

Section and Chapter Activities (continued)

Will Johnson, Section President, then provided a few general announcements including the ITE 2006 Technical Conference & Exhibit to be held in San Antonio, Texas from March 19 to 22nd. Everyone should mark their calendars to attend this very beneficial conference. Mr. Johnson announced that due to increased facility costs, future meeting lunch prices will increase to \$25 for members and \$30 for guests.

Joe Henderson, Section Secretary/Treasurer then identified Mr. Joe Olson of the City of Longmont as the winner of the Newsletter Traffic Jumble Contest. Mr. Henderson announced that there were no winners identified for the Kurmudgeon's Korner #23 quiz. The correct answers were Hank Barnes and the first ever actuated signal controller.

Mr. Johnson then provided an update from the Technical Committee on behalf of John LaSalla. There were several individuals that attended the meeting regarding left turn phasing. Currently, literature research is being conducted on the topic. It is planned that the information will be developed into an abstract or presentation for next year's ITE District 6 meeting in Honolulu, Hawaii.

Bill Hange, Section Vice President, then introduced the program speaker, Robert MacDonald, Executive Director of the Rural Transportation Authority. Mr. MacDonald's presentation provided an update of the Rural Transportation Authority (RTA). A status report of projects and programs, a history of the PPRTA, allocation of funding, a list of 2005 projects underway, and the 2006 budget and list of projects were presented. Anyone interested in further information regarding the program can visit the website at www.pprta.com. Mr. MacDonald received a thank you gift from the Section for his informative presentation.

December 2005 - Meeting Highlights

A luncheon meeting for the Colorado/Wyoming Section of ITE was held on Friday, December 2, 2005 at the Magnolia Hotel in Downtown Denver, Colorado. Section President Will Johnson, presided over the meeting that was attended by 120 members and guests. The meeting was kicked off with a welcome and introduction of Section Officers.

Mr. Will Johnson, Section President, then provided a few general announcements including the upcoming ITE Special

Event Happy Hour to occur on December 15, 2005 at Dave & Busters (Colorado & I-25) from 4:00 pm to 7:00 pm. This Happy Hour will immediately follow the Executive Committee Meeting to begin at 3:00 pm. Lastly, the next Section meeting is the annual Vendor Show set for January 27, 2006 at the BelMar Center in Lakewood.

Ms. Pat Noyes, District 6 International Director, then provided a warm thank you to the membership for their service to the Section and their support to her as her tenure of International Director is coming to a close.

Mr. Joe Henderson, Section Secretary/Treasurer then identified Mr. Keith Swedhin of Huitt Zollars as the winner of the Newsletter Contest. For winning the contest, he will be awarded a \$25 gift card to Home Depot. Mr. Henderson also announced the upcoming annual Ski Trip and Train Ride to Winter Park set for Saturday, February 18th, 2006. A request for sponsors of the event was issued with a roll call of those companies already pledging support. In addition, as part of this meeting, a canned food drive was taking place. Food and cash donations were being accepted. Furthermore, \$1,000 was approved within the Section budget to be donated to charities prior to Christmas. Donations of \$500 were made to Colorado Youth at Risk and Urban Peak of Colorado. Both are organizations that help youth who are either homeless or who are at risk of dropping out of school. For more information, check the Section website.

Mr. John LaSalla from the Technical Committee then provided an update of the Left Turn Phasing project. Currently an abstract is being prepared for next year's ITE District 6 meeting in Honolulu, Hawaii. If anyone is interested in assisting the committee to evaluate the safety and operational aspects of protected only, protective/permissive, and permissive only left turn phasing, please contact Mr. LaSalla, Mr. Henderson, or Mr. Bill Hange. Mr. LaSalla then mentioned that the 2009 District 6 Conference hotel contract was nearing completion. It is planned that the meeting will be held at the Adams Mark hotel in Downtown Denver.

Mr. Johnson then introduced Mr. Dave Hattan of the Awards Committee to announce this year's winner of the Lifetime Achievement Award, Mr. Ron Hensen of SEH. Mr. Hensen was awarded a plaque and resolution from ITE International signed by Mr. Tim Harpst, International President. Mr. Hensen has 40 years of experience performing traffic engineering design and analysis within the

Denver area. He provided some words of encouragement to the younger Section members, "if you stay around long enough, you may receive one of these awards."

Mr. Bill Hange, Section Vice President, then introduced the program Roundabout Roundup speakers, Mr. Philip Demosthenes of Parametrix; Mr. Alex Ariniello of LSC Transportation; Mr. Terry Benton of the City of Brighton; and Mr. Hange of the City of Loveland. The presentations focused on the benefits of roundabout intersections, specifically the improved safety of roundabouts over signalized intersections with a significant decrease in fatal and injury crashes. Roundabouts have also been found to provide traffic calming, reduced speeds, and less fuel consumption. The panel of speakers agreed that attention to detail is needed for the signing and marking in and around a roundabout. It is anticipated that the next edition of the MUTCD will address many of the issues. This is important as roundabout intersections become more prevalent within the United States.

The Colorado/Wyoming Section contact is Will Johnson at LSC Transportation, 303-333-1105; will.johnson@lscdenver.com. Also, please visit our section's website at www.cowyte.org.

*Respectfully submitted,
Curtis Rowe - Scribe*



San Francisco Bay Area ITE/SBTOA

June 2005

The June 2005 meeting was held at Yoshi's in Jack London Square in Oakland on June 23, 2005. The topic was "Transportation and Media." The meeting featured a question and answer session with the Bay Area's traffic reports. The panel consisted of Gary Richards, author of the Mr. Roadshow column for the San

Section and Chapter Activities (continued)

Jose Mercury News; Joe McConnel, traffic report for various Bay Area radio stations; and Stan Burford, helicopter traffic reporter for ABC-7 television station and 810 AM radio station. The panel discussed the changes in their reporting over the last years and the relationship between traffic engineers and reports. In addition, Bond Yee of the San Francisco Department of Parking and Traffic was presented with a special award from David Parisi, the section president, who declared June 23, 2005 Bond Yee Day.

The 2005 Golf Tournament was held on June 10, 2005 at the Monarch Bay Golf Club in San Leandro. The wind coming off the Bay helped to create a Scottish feel for the tournament. Many balls were lost and many golfers cursed their own skills. The Closest to the Pin contest was won by John Templeton of the City of Concord, who happily completed his pressure ridden birdie putt. The Long Drive was powered through the wind and onto the fairway by Mike Tassano of the City of Pleasanton. The grand prize of the team scramble format was taken with a low score of minus 6, by the threesome of Ray Davis (City of Belmont), Gary Tsunami (City of Stockton) and Ray Santiago (City of West Sacramento) who were forced to play without their anchor, John Kluga. Prizes consisted of golf hats and knick-knacks that no one ever really needs; the true prize was the spirit of camaraderie that we all shared that day. Virtually all the participants expressed positive feedback regarding the course, the event, the charitable causes, and their overwhelming desire not only to return next year, but to encourage more participants to join the frivolity in the future. The tournament raised over \$1,500 which was evenly split between ITE Student Scholarship Fund and the charity [Katie's Clinic for Rett Syndrome](#) in Oakland.

September 2005

The September meeting was held on the 15th at the New Delhi Restaurant in downtown San Francisco. Over 200 attendees were present. The meeting's featured speaker was Albert Yee, Caltrans District 4, Deputy Director, Division of Operations. Mr. Yee presented the

requirements for doing Freeway Corridor Studies and Traffic Analyses based on Caltrans' expectations. These requirements would help consultants streamline corridor studies through the Caltrans review process resulting in reduced delays and faster project delivery times.

The Top 10 Do's and Don'ts for freeway corridor studies were shared with attendees. The presentation slide can be downloaded from www.sfbayite.org.

October 2005

On October 21st, the Bay Area ITE and the Women's Transportation Seminar jointly sponsored an event about Safe, Accountable, Flexible, and Efficient Transportation Equity Act - A Legacy for Users (SAFETEA-LU) by Mr. Randy Rentschler, Metropolitan Transportation Commission's Director of Legislation and Public Affairs, and Ms. Alix Bockelman, Metropolitan Transportation Commission's Director of Programming and Allocations. Mr. Rentschler and Ms. Bockelman highlighted the benefits, limitations, and program and funding changes in the transportation authorization legislation.

Almost 100 attendees were present and the event was held in Auditorium at Metro Center in Oakland. The detailed presentation slide can be downloaded from www.mtc.ca.gov.

November Meeting - National Transportation Security Summit Update

The joint November meeting of the San Francisco Bay Area ITE Section and the South Bay Transportation Officials Association was held in the Rotunda of the new San Jose City Hall. The ITE section president, Rachel Donovan, began the meeting with an update on the ITE Student and Mentoring programs.

Jim Helmer, City of San Jose, introduced the speaker, Rod Diridon. Mr. Diridon is currently the executive director of the Mineta Transportation Institute (MTI) at San Jose State University. Mr. Diridon presented a summary of the security of transportation systems in the United States and the world, based on studies of over 1,000 terrorist attacks on surface transportation systems. Terrorist organizations such as Al Qaeda appear to be selecting targets to inflict large numbers of casualties, create widespread emotional shock, and long-term disruption of the transportation system. Their ultimate goal

with this disruption may be financial failure of the United States. Recent incidents show a pattern of targeting US allies in Iraq to force them to withdraw troops.

Some of the lessons learned from the review of recent attacks are as follows:

- The highest threat is to "soft" targets with large numbers of passengers, such as subway systems.
- "Hardening" targets reduces the threat and successfully thwarts attacks. The airline industry is such an example that has been upgraded.
- Transportation industry staff need to be trained to recognize and respond to threats.
- Transportation agencies need to review systems and develop plans to recognize and respond to threats and recover from incidents. The National Incident Management System (NIMS) has been developed to help with reviews and planning.
- Field exercises are critical. They are the only way to confirm that reviews and planning are complete and training is adequate.

The NIMS was implemented with a requirement that all public agencies develop adequate disaster response plans by November 2006 or face severe penalties. Penalties can include loss of all federal funding and individual liability for agency officials responsible for the plan. Many California agencies are close to meeting NIMS requirements because of the Standardized Emergency Management System (SEMS) that has existed in this state for many years. The City of San Jose is an example of an agency that is one of the best prepared in the country.

Please visit www.sfbayite.org for the up coming events.



Pratyush Bhatia
Co-Scribe



Allen Huang
Co-Scribe

Positions Available



DIRECTOR OF OPERATIONS NEVADA

Iteris, Inc. is an industry leader in Intelligent Transportation Systems, traffic engineering/operations and transportation planning. We have assembled a team of the brightest, most innovative ITS specialists, traffic engineers and transportation planners in the industry and are seeking key team members to join our Nevada practice.

We are actively recruiting for a Nevada Director of Operations. This Senior Executive will be responsible for overall marketing, strategic teaming, Project management on key contracts and administrative activities for the State of Nevada. We are seeking an individual who has specific experience in one or more of the following areas: traffic operations, ITS planning, design and implementation. The qualified individual should also have intimate

working knowledge of the Nevada market and familiarity with local and state engineering guidelines. Professional engineer registration in Nevada is highly desired.

We are also seeking Transportation Engineers and Planners in Northern and Southern California. Visit our website for more detailed information:

<http://www.iteris.com/careers.html>

Send all resumes (Word/text format) including position title to jobs@iteris.com. We are an Equal Opportunity Employer.

TRANSIT PLANNER RECRUITMENT

San Francisco Municipal Transportation Agency (MTA) is recruiting for three levels of Transit Planners-5288 Transit Planner II, 5289 Transit Planner III, and 5290 Transit Planner IV- in the MTA planning division and for both Municipal Railway and Parking & Traffic. Typical duties of the Transit Planners include transit service planning, bus rapid transit project planning, project planning for fleet, facility, station area, traffic calming or guideway projects, pedestrian

planning, capital planning, and fund programming, bicycle planning, environmental review, New Starts Reporting and project integration.

Please visit our website at www.sfmuni.com/jobs for salary, minimum qualifications, and application filing periods. Application and job announcement can be obtained from the following locations: www.sfmuni.com/jobs; MTA - Recruitment Office, 401 Van Ness Ave., Room 304, S.F.; and Department of Human Resources, 44 Gough Street, S.F. Call (415) 554-4169 if you have any questions.

Minorities, Women and Persons with Disabilities are encouraged to apply. EOE



California Assembly Reviews SB 246

The delegates of the California Legislative Council of Professional Engineers (CLCPE) met in Monterey on Saturday November 5, 2005, to discuss California Senate Bill 246. SB 246 would convert the title-protected professional engineering registrations, like traffic engineering, into practice licenses. Walter Okitsu and David Schwegel attended as delegates from Registered Traffic Engineers of America (RTEA.)

CLCPE's lobbyist and other organizations have been to three shareholder meetings hosted by the State Assembly. Besides CLCPE, the meetings have been attended by CELSOC, PECCG, American Society of Agricultural and Biological Engineers, Board for Professional Engineers and Land Surveyors (BPELS) staff, and a geotechnical engineering society. The Assembly's consultants are tasked with showing the need for SB 246.

So far, the language of Senate Bill 246 regarding the Title Act disciplines has not changed since June 2005. The bill would

convert the title-protected disciplines of traffic, chemical, nuclear, fire protection, control systems, and petroleum engineering into licensed practices. Furthermore, it would recognize overlap between these disciplines and with civil, electrical, and mechanical engineering.

Traffic engineers who are currently forbidden to sign and stamp traffic-related engineering plans or prepare studies that include aspects of civil engineering would be allowed to under the bill.

CLCPE and RTEA support SB 246 in its current form, but would welcome an amendment that would convert agricultural engineering into a practice as well. Such an amendment would bring the powerful Farm Bureau lobby into supporting the bill. Professional Engineers in California Government (PECCG) and Consulting Engineers and Land Surveyors of California (CELSOC) continue to oppose the bill.

SB 246 failed to make it through the Assembly Business & Professions Committee in June 2005. The bill is being held until it has the necessary votes (6 out of 10), or else it dies in committee. Nevertheless, CLCPE's lobbyist rates the chances of the bill's passage at 60% or 70%. The shareholder's meetings appear to be helping the Assembly understand the merits of the bill. If SB 246 has the votes to pass the committee in the first half of 2006, and through both houses of the legislature, it could be signed by the Governor by September 2006. If that happens, a registered traffic engineer would be able to practice in January 2007.

Traffic engineers who would like more information on SB 246 and its effect on traffic engineers can contact RTEA President Walter Okitsu at (323) 260-4703 x3121 or wokitsu@katzokitsu.com.



Positions Available



SENIOR TRAFFIC ENGINEER FRESNO, CA

URS is a multi-disciplined national engineering firm with a growing presence in the Central Valley of California. Rated the number one design firm in the US, we currently have an opening in our Fresno office for an individual that will act as the Senior Traffic Engineer with broad responsibilities in the Central Valley region.

This individual will perform complex traffic engineering duties with responsibility for assisting in preparation of plans, specifications and cost estimating for traffic, electrical and civil design elements. The position also includes performing traffic analyses and the preparation of written reports. You will take a lead role in developing and expanding the traffic engineering business line in Central California while providing planning and design support for transportation and other civil engineering projects.

Minimum requirements for this position include a BS in civil and/or transportation engineering-related field. An EIT with the prospect of obtaining a California PE within one year. Three years professional civil transportation and traffic engineering experience with knowledge of basic traffic engineering principles and design.

Extensive familiarity with MUTCD, HCM, traffic engineering software, ACAD/Microstation, Caltrans design standards and plan formatting, specifications and cost estimating. You must possess good verbal and written communication skills.

To apply for this position, go to www.urscorp.com and refer to requisition #URS7759 or contact Ralph Boyajian at (559) 256-1455.



CITY OF PEORIA, ARIZONA

Assistant City Traffic Engineer—
\$68,577 - \$87,524 Annually. Open Until Filled.

The City of Peoria is seeking an Assistant City Traffic Engineer to perform advanced professional traffic engineering work in various areas including traffic signals, traffic safety, and neighborhood traffic management.

REQUIRED QUALIFICATIONS

Bachelor's degree from an accredited college or university with major course work in civil or traffic engineering or related field and three years of professional and technical traffic engineering experience. Possession of a Certificate of Registration as a professional civil engineer in the State of Arizona. An Arizona Drivers license and ability to maintain insurability under the City Vehicle Insurance Program.

DESIRED QUALIFICATIONS

Experience interacting with the public, elected officials, private consultants and other government agency staff. Extensive knowledge of traffic engineering and transportation planning principles; techniques of management and supervision, including goals and objectives development and work planning organization; principles and practices of contract administration and project management; budget development and administration; grant funding application and administration.

For complete job description and information on how to apply, please visit www.peoriaaz.com/jobs EOE

TRANSPORTATION/TRAFFIC ENGINEERS SEAL BEACH, CA

W.G. Zimmerman Engineering, Inc., an established, 10-year old Transportation/Traffic Engineering firm located near the beach in sunny Orange County, California with a branch office in beautiful Grand Junction, Colorado, is seeking energetic and experienced engineers to fill three journey level positions that may include the opportunity of working in our new Colorado office (Colorado licensing not a

prerequisite). The firm's target market is local public agencies and provides both project design and staff augmentation services. If you have the desire and qualifications to join a growing, dynamic, 12-member firm in the exciting field of Transportation/Traffic Engineering, we are eager to talk with you about becoming a part of our team. We are a certified Small Business Enterprise, and we offer great employee benefits, including health and retirement (401k) plans, paid vacation, bonuses and sick leave. EOE.

Project Manager - This is a supervisory position responsible for the management of assigned projects and project teams in the design of roadway, traffic and appurtenant facilities. The successful candidate must demonstrate creativity, foresight and mature engineering judgment in anticipating and solving engineering problems and in developing standards and guidelines for extensive and diverse engineering activities. The position requires a minimum of 10 years experience in transportation/public infrastructure design, 2 of which must have been in a supervisory capacity, a Calif. civil PE license and a BSCE degree. Excellent writing and communication skills are a must. Salary, DOQ.

Traffic Engineer - Requires a Calif. TR and/or Civil PE license, a BSCE degree and a minimum of 5 years of experience in traffic impact analysis/reports, traffic calming principles/implementation, traffic control warrant studies, signal operation/design, construction traffic control plans and ITS design. Since this position will also involve providing staff support as the contract Traffic Engineer to several local agencies, at least 2 years of agency experience is also required, either as staff or as contract staff. Excellent writing and communication skills are a must. Salary, DOQ.

Project Engineer - This is a supervisory position leading a project design team consisting of engineers and paraprofessionals specialized in the development of roadway, traffic and appurtenant facilities. It requires broad knowledge of precedents and practices in transportation engineering and the ability to plan, schedule, conduct and/or coordinate detailed phases of the engineering work in all or part of a major project. The position requires a minimum of 5 years experience in transportation/

Positions Available Ads:

To place your ad, e-mail your ad to 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. More information is available on our Web site.

Positions Available

public infrastructure design, 1 of which must have been in a supervisory capacity, a Calif. civil PE license and a BSCE degree. Excellent writing and communication skills are highly desirable. Salary, DOQ.

Please send resume, including salary history, with a cover letter to:

Bob Warren, Vice President
W.G. Zimmerman Engineering, Inc.
 801 Pacific Coast Highway, Ste. 200
 Seal Beach, CA 90740,
 or e-mail to bawarren@wgze.com.



RBF Consulting has recently been named the #1 Best Firm to Work For in the Nation by CE News. Established in 1944, RBF's reputation and success are founded on our commitment to quality, professionalism, and continuing innovation. RBF has transportation engineering opportunities available for individuals interested in leading design and CADD production staff in the development and successful delivery of technical work products for city, county and state facilities. We are currently seeking **Transportation / Public Works Engineers, Transportation Planners, and Traffic Engineers** to join our team and collaborate with over 900 professionals and technical experts throughout more than a dozen offices throughout California, Arizona and Nevada.

RBF provides a vibrant, family-oriented environment with exceptional opportunities for professional success, continued learning and personal growth. RBF offers an excellent compensation and benefits package, including a generous matching 401(k) plan, profit sharing and bonus programs, relocation assistance, and ownership opportunity. We invite you to join our team, build your career with us, and make a difference! Please visit our website www.RBF.com and send your resume to:

RBF Consulting
 14725 Alton Parkway
 Irvine, CA 92618
 Fax: (949) 855-7060
 Email: hmail@rbf.com

SENIOR TRANSPORTATION PLANNER – TRANSPORTATION SYSTEMS AND OPERATIONS

Salary: \$6823-\$7915 per month

This position requires strong traffic operations analysis skills and the ability to manage challenging studies. The successful candidate for this position will be instrumental in providing traffic operations analysis and transportation planning/engineering input on roadway planning studies. The successful candidate will also play a key role in the development of Intelligent Transportation Systems (ITS) such as transit signal priority and real-time passenger information systems, and regional/countywide ITS planning and development initiatives.

Come join our dynamic team at the Santa Clara Valley Transportation Authority (VTA). Employees at VTA enjoy a professional work environment and excellent wages and benefits. To review the job bulletin or to apply, please go to www.vta.org or contact VTA Human Resources at (408) 321-5575. Candidates must complete a VTA application form and respond to supplemental questions.

HNTB CORPORATION TRAFFIC PROJECT ENGINEER

Req. 05-0600

Job Description HNTB Corporation has an opportunity for a Traffic Project Engineer in our Seattle, WA office. This individual will be responsible for traffic signal design, illumination design, channelization and signing design, construction traffic control design, and ITS design.

Responsibilities include: coordinate efforts of design team to ensure completeness and accuracy of design effort; work closely and serve as technical liaison with other disciplines on multi-discipline projects; cost control on projects and quality control within the discipline; supervise, schedule and check work of the project design team members.

Qualifications: P.E., Bachelor's degree in Civil Engineering plus a minimum of 6-10 years of experience, excellent communication skills and a team player.

Apply online at: www.hntb.com
 Equal Opportunity Employer -
 M/F/D/V

SENIOR TRANSPORTATION ANALYST

Salary Dependent Upon Qualifications

Minimum: \$56,180 - \$71,156/Year

Maximum: \$86,132/Year

Perform transportation modeling and traffic analysis, evaluate modeling results, analyze data, perform quality control checks, oversee consultant contracts, make presentations. Requires Bachelor's Degree or equivalent in transportation planning, traffic engineering, or related field (including courses in transportation modeling) and 5 yrs experience in travel demand forecasting and modeling. Knowledge of travel-forecasting models and software (TRANPLAN and TransCAD essential). Proficiency developing/applying Paramics, VISSIM and other models desirable. Programming skills are an advantage. Must distill complicated data into easy-to-understand conclusions and work in a team environment.

Excellent benefits. Additional information on-line at www.octa.net or use our on-line computers at OCTA's Employment Office, 550 South Main Street, Orange, CA. 92863. Applications must include 10 yr work history and be fully complete. Resumes not accepted in lieu of application. OCTA does not sponsor H1B or other work Visa's.

ORANGE COUNTY
 TRANSPORTATION AUTHORITY
 An Equal Opportunity/Affirmative
 Action Employer
 AA/EOE/M/F/D/V

CITY OF HUNTINGTON BEACH, CA ASSOCIATE TRAFFIC ENGINEER \$6,141-\$7,609/mo.

This position prepares plans, estimates, specifications and reports for traffic control facilities improvement and repair and coordinates activities of traffic engineering staff participating in major projects. Requires BS degree in civil engineering; 4 years related engineering experience with 2 years in traffic engineering or transportation planning and CA Professional Traffic or Civil Engineer's license or a Professional Civil Engineer's license from another state and ability to obtain CA Traffic Engineer license within 12 mos. of hire. DEADLINE: 1/26/06. For application, call (714) 536-5492 or visit www.surficity-hb.org.

Positions Available



TRANSPORTATION PROJECT ENGINEER/EIT TEMPE, ARIZONA

Requires 5-6 years experience in the design of highways, streets and related improvements. Responsibilities include engineering design, directing drawing production, project coordination, and ensuring quality of the technical product. Proficiency in MicroStation and InRoads preferred, ADOT experience and PE desired, BSCE and Arizona EIT required. Visit www.otak.com for more detailed information. Submit your resume and cover letter to careers@otak.com. EOE/AA Employer.

HNTB CORPORATION

Positions Open
Roadway Project Manager I &
Structural Project Manager I
Req. 05-0600

Job Description Successful candidates will be fully competent to complete transportation design efforts with minimal direction. Responsible for planning, preparation and completion of highway bridge designs (Structural PM) or planning, geometry, drainage, utilities, and traffic control of highway designs (Roadway PM) that are responsive to project needs. Successful candidate will also coordinate preparation and quality control of calculations, plans, specifications, reports, and estimates. Supervise, schedule and check work of project team members. Work closely with other disciplines on multi-discipline projects. Responsible for productivity of designers and CAD technicians in delivering quality products on time and within budget. Serve as a technical liaison to the client.

Qualifications: Bachelor's degree in Engineering plus 6 years of relevant experience; Oregon and/or Washington PE (or ability to obtain) within 6 months.

Apply online at www.hntb.com
Equal Opportunity Employer
M/F/D/V



Parsons Brinckerhoff (PB), founded in 1885, is one of the oldest continuously operating engineering firms in the world. We are recognized as a leader in consulting, planning, engineering and program management for all types of infrastructure projects. PB is employee-owned and there are more than 9,000 employees worldwide in 200 offices on six continents, with well over \$1.4 billion in annual sales. Visit www.pbworld.com for more information on PB.

We have immediate full-time career opportunities in our Las Vegas and Reno offices, as follows:

Civil Highway Engineers for roadway/highway, transit and drainage
These positions require a Bachelor's degree in Civil Engineering and minimum of three years related experience in roadway/highway geometrics, drainage, flood control, utility relocations, plan sheet preparation, cost estimates and specification preparation, and a working knowledge in the preparation of preliminary engineering documents. Civil Engineer EIT registration in Nevada is required with preparation for PE licensing underway. Experience with MicroStation, InRoads and AutoCAD is desirable.

Structural Engineer for bridge design
This position requires a Bachelor's degree in Civil Engineering, with a graduate degree in structures preferred. A minimum of three years related experience in the analysis and design of various types of steel and concrete bridge structures is required, along with familiarity with structural analysis and design programs. A working knowledge of the preparation of preliminary engineering documents would be an advantage, as would experience with DOT projects. Registration as a Professional Civil Engineer in Nevada is required.

Senior CADD Designer/Technician
This position requires a minimum of nine years CADD operation and production experience using MicroStation for highway, transportation, or bridge detailing projects. Familiarity with CADD standards preferred.

All positions are for full-time employment and offer an excellent opportunity for growth through work on a range of large multidisciplinary projects.

We offer a competitive salary, comprehensive benefits, and a professional work environment. Relocation assistance is available. Qualified individuals are invited to apply in confidence. Please include a cover letter, salary history, daytime phone number, and geographic preference.

Please respond to: Toby Duffell,
Corporate Staffing Manager
duffell@pbworld.com

Parsons Brinckerhoff is an Equal Opportunity Employer, m/f/d/v.

Keywords: Civil, Highway, Road, DOT, geometrics, PS&E, MicroStation, CADD

RIVERSIDE COUNTY, CA

Riverside County, CA is pleased to announce a challenging senior level position opening in the Transportation and Land Management Agency for an experienced Traffic Engineer to provide professional services for the Transportation Planning Division of the Transportation Department. The incumbent of this position will oversee preparation and review of traffic impact reports and be responsible for scoping improvement projects related to development proposals, General Plan amendments, capitol improvement projects, etc.; direct the work of development review staff in writing conditions of approval to mitigate project impacts and improve traffic safety.

This position titled is Senior Civil Engineer and has an annual salary to \$96,394 (DOQ), plus an excellent benefits package, and participation in the State retirement system. Further details are provided in the attachment.

So, if you or a colleague you might recommend, holds a Bachelor's degree in Civil Engineering, is a California registered Civil or Traffic Engineer, you're are invited to take the first step toward a career opportunity which will actually allow use the professional knowledge and skills you have acquired to help shape the future of Riverside County, please e-mail/mail your resume to the Human Resources Department, to the attention of the recruiter listed below:

Murrel Crump
HR Analyst II
Human Resources Dept.
(951) 955-3566
FAX (951) 955-3523
mcrump@co.riverside.ca.us

Positions Available



DAVID EVANS
AND ASSOCIATES INC.

David Evans and Associates, Inc. (DEA) is looking for engineers interested in a career in the fast growing transportation engineering industry.

Traffic EIT – Assist in preparing transportation plans and traffic studies. Analyze traffic volume and crash data, and conduct traffic operations analysis.

Task Leader — Lead the traffic analysis and technical support for transportation projects. Help prepare transportation plans, reports and traffic studies as well.

Project Manager— Be responsible for leading transportation planning and/or traffic engineering projects. Market new projects and new clients.

We offer engineers the chance to grow their careers at DEA! **Contact** karo@deainc.com. Excellent compensation, opportunities, and 100% company-paid benefits for employees and their families. www.deainc.com. AA/EOE

TRANSPORTATION / SENIOR TRANSPORTATION PLANNER

Contra Costa County (Martinez) , CA (Salary: Transportation Planner \$59,136 - \$71,880/ Senior Transportation Planner \$70,884 - \$86,160 annually plus benefits). The Community Development Department is recruiting individuals to fill a vacant position at either the Transportation Planner or Senior Transportation Planner level depending on the qualifications of the applicants. Both require degree in transportation or urban planning, civil engineering, urban geography, environmental studies, or a closely related field and two years experience for Transportation Planner or three years experience for Senior Transportation Planner performing professional level transportation planning. **APPLY BY: Friday, January 6, 2006.** **APPLY AT:** Contra Costa County Human Resources Dept., 651 Pine Street, 2nd Floor, Administration Building, Martinez, CA 94553, www.cccounty.us/depart/hr, or Phone (925) 335-1701. Supplemental Questionnaire included. Equal Opportunity Employer.

CITY OF SANTA CLARITA

Eng. Tech. or Project Dev. Coord. - \$3,972-\$4,828 or \$4,600-\$5,591/month.

Position in Traffic Engineering based on individual qualifications, will be appointed to one of the above classifications. Candidates will be responsible for monitoring and troubleshooting traffic signal operations, problems and improvements; administering maintenance contracts and development of traffic engineering plans.

Two to three years directly related traffic experience including courses in transportation, traffic or civil engineering. One year supervisory level experience and bachelor's degree in course work or combination of education and experience required.

City application required. Apply online www.santa-clarita.com/jobs. This job is open until filled. EOE.

KATZ, OKITSU & ASSOCIATES

Katz, Okitsu & Associates is a specialized traffic and transportation engineering firm with offices throughout Southern Calif. We offer excellent salaries, competitive benefits, and a challenging and professional work environment. Currently we are accepting applications to fill openings for senior and associate traffic engineers, civil engineers and transportation planners in our Tustin and San Bernardino offices. We have immediate openings for additional staff as indicated below.

Our San Bernardino Office: Multiple openings for engineers with 2-10 years of experience and technicians with skills in any of the following combination of areas: Roadway Geometric and Design, Drainage and Hydraulic studies including design, traffic analysis and impact studies, traffic control/signing & striping/signal design, traffic studies for roadways/freeways & interchanges and/or plan specification and estimation. Preferred experience in AutoCAD and/or Microstation software. Please email your letter of interest and resume in confidence to Mujib Ahmed at mahmed@katzokitsu.com with "San Bernardino Transportation Engineer" in the subject line.

Transportation Engineer in our Tustin Office: Position requires a bachelor's degree, desirably in Engineering, and 5 years of professional traffic engineering experience.

Ability to work independently to create traffic signal, traffic control, signing and striping and related plans with minimal consultation from supervisor, preparing budgets and recommendations, participating in professional organizations and client discussions. Preferred experience would include: project management, traffic analysis (including simulations), traffic design and report preparation. Writing skills are a must. Please email resume to employment@katzokitsu.com with "Transportation Engineer in Tustin" in the subject line.

Please visit our website at www.katzokitsu.com for more information about the company and the positions.



ASSISTANT TRANSPORTATION ENGINEER

BOISE, ID

Iteris, Inc. is an industry leader in Intelligent Transportation Systems, traffic engineering/operations and transportation planning. We have assembled a team of the brightest, most innovative ITS specialists, traffic engineers and transportation planners in the industry. We are seeking an Assistant level Transportation Engineer to join our growing office in Boise, Idaho.

This position will assist the Boise office and other staff with ITS projects, fieldwork, preparation of documents, graphics, research, client contact engineering and transportation planning. We're seeking an individual who is self-motivated with excellent analytical and communication skills.

Qualifications Needed: degree in Civil Engineering or Urban/Transportation Planning; knowledge of fundamental transportation engineering and planning principles as well as analytical techniques; experience with standard software packages.

Qualifications Desired: presentation skills; excellent writing skills; E.I.T, T.E., C.E. or A.I.C.P.; Masters degree. Send all resumes (Word/text format) including position title to jobs@iteris.com.

Positions Available

CITY OF YUMA, AZ

The City of Yuma, Arizona seeks an Assistant Traffic Engineer: Annual Salary is \$55,256 to \$77,360 plus benefits. The ideal candidate for Assistant Traffic Engineer will be an experienced professional, with excellent interpersonal and communication skills and five years of professional traffic engineering experience with a municipality. He/she will also be self-directed and make effective decisions and candidate will possess a Bachelor's Degree in Transportation/Traffic Engineering, Electrical Engineering or Civil Engineering and possess current Registration in the United States as a Professional Engineer. He/she must be able to obtain Arizona Registration as a Professional Engineer within one year of hire. Applicants must obtain a valid Arizona Driver's License at the time of appointment. For information on how to apply and supplemental questions, contact our Human Resources office at 928-373-5145, e-mail Human.resources@ci.yuma.az.us, or visit our website at www.ci.yuma.az.us. This position is open until filled.

CITY OF SANTA CRUZ, CA

Associate Transportation Engineer, City of Santa Cruz (\$5,616-\$7,602 monthly plus excellent management benefits.) Typical qualifications: BA in civil engineering or a related field, and three years of increasingly responsible professional experience in traffic or civil engineering, including one year of supervisory experience, and registration as a traffic engineer or civil engineer in the State of California.

Transportation Manager, City of Santa Cruz (\$6,675-\$9,034 monthly plus excellent management benefits.) Requires BA in transportation engineering, civil engineering or a related field and four years increasingly responsible professional experience in traffic engineering or traffic planning, including some supervisory experience, and registration as a traffic engineer or civil engineer in the State of California.

Apply by February 3, 2006. For required application materials contact: City of Santa Cruz HR Dept., (831) 420-5040 EOE/ADA www.ci.santa-cruz.ca.us/hr

SENIOR OR ASSOCIATE TRANSPORTATION PLANNER/ ENGINEER

Dowling Associates, Inc., a team-oriented firm specializing in state of the art traffic engineering and transportation planning services is seeking self-motivated professional engineers/planners to join our Sacramento and Oakland offices.

Sacramento

Senior Project Manager

Requires demonstrated experience in independent marketing and management of transportation planning and engineering projects; excellent writing and client communication skills; hands-on expertise in traffic operations and/or transportation planning; and ability to work successfully within a collegial, informal management style.

Associate/Assistant Transportation Planner/Engineer

Requires MA/MS degree in transportation field, or a BA/BS degree plus work experience in profession; strong writing and communications skills; general knowledge of traffic engineering, transportation planning, traffic operations, simulation methods and procedures; experience with one or more standard transportation analysis software tools.

Oakland

Associate Transportation Planner/Engineer

Requires MA/MS degree in transportation field, or a BA/BS degree plus minimum 2 years of professional experience; strong writing and communications skills; expertise in advanced transportation analysis; thorough interest in and understanding of issues beyond technical analysis; excellent organization of project work. Programming and/or GIS skills helpful.

Dowling Associates provides a pleasant, informal and highly professional working environment. We offer competitive salaries, full medical and our own dental benefits plus a 401(K) savings program. EOE. See www.dowlinginc.com for more information about us.

For confidential enquiries contact: Zulay Kapci, Manager of Operations, at zkapci@dowlinginc.com



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