Annual Meeting

District 6 ITE Annual Board Meeting and, Business Meeting Highlights

Randy McCourt
Vice President

Board Meeting Highlights

On July 14 the District 6 Board held its Annual Board Meeting at the Marriott Desert Springs Hotel Resort in Palm Desert. With 42 members and guests in attendance, a wide range of subjects were covered, from International initiatives to District 6 business. Most significant of the Board actions taken was to award the 2007 Annual Meeting to Portland, Oregon. After outstanding presentations by both the Oregon and Colorado/Wyoming Sections the Board determined that the District 6 meeting will return to Portland for the first time since the highly successful meeting in 1994.

Rory Grindley managed the Board meeting through extended discussion and fire alarms – no doubt caused by the 114-degree local temperature. Rory announced that the website committee headed by Julie Townsend had recommended Jon Pascal of the Washington Section as the new District 6 website manager. Rory then appointed Jon as the new Website Manager and Jennifer Rosales of the Oregon Section as the new Career Guidance Chair (as Charlie Ebeling had resigned).

(Continued on page 2)

President’s Message

Julie Townsend
District 6 President

Congratulations to Deepak Ubhayakar and the entire 2002 LAC on hosting another great District 6 Annual Meeting. Despite the heat, a total of about 800 people attended, including 49 students, 64 spouses, 100 vendor representatives, and over two-dozen kids! The technical program was outstanding, the family events were memorable, and professional interaction was unrivaled. For those of you that missed this unforgettable meeting, I strongly suggest that you attend the next District 6 Annual Meeting, which will be a joint meeting with International, scheduled for August 24-27, 2003 in Seattle, Washington.

As part of the focus on students, based on prior board action, the 2002 Annual Meeting registration fee was waived for all District 6 student members and tickets to all meeting functions and meals were provided. The Cal Poly Students are commended for the countless hours that they volunteered to make the 2002 Annual Meeting a success. In appreciation of all of their efforts, the District 6 Board recently took action to donate $1,000 to the Cal Poly Student Chapter. This donation will help offset travel costs for the students’ trip to Australia this month to attend ITE’s International Conference.

Congratulations to all of this year’s District 6 award winners! The accompanying table presents all of this year’s award winners. With 4,000 members in District 6, these individuals are truly outstanding. If you know any of these individuals, please take the time to personally congratulate them on their accomplishments.

The Annual elections bring a change in the District’s Leadership. Zaki Mustafa was elected as the new District 6 Secretary-Treasurer and Pat Noyes was elected as the new International Director. Congratulations to both of you! Zaki’s term begins immediately, while Pat’s term will start in January 2003, as Patti Boekamp’s term concludes.

The District Board also includes two ex-officio Board positions. These include the District Administrator and the Managing WesternITE Editor. Based on a committee recommendation, I recently re-appointed Wes Pringle, our
This year, my primary focus will again be geared toward the student. As these upcoming professionals will be entrusted to solve many of our future transportation problems, I feel it is imperative to continue to build on the programs that were initiated last year under the direction of Past President Rory Grindley. The District has committed huge financial incentives toward development of these new student programs, and now the District will need to focus on how to continue to fund these new programs, as well as monitor their success.

I am looking forward to another exciting year. Please contact me, or any of the District 6 Board members, with any ideas or suggestions. This is your organization and we welcome your input. I look forward to serving you as President in the upcoming year.

(Continued from page 1) Annual Meeting

Jenny Grote, International President, mentioned several ITE initiatives underway including the possible development of a Mexico Section south of the border, the strategic planning effort being undertaken by ITE; student initiatives and her “Beyond ITE” survey stories of ITE members’ service to their communities outside of the profession. Tom Brahms mentioned several exciting efforts underway at headquarters in support of members including the “It’s Your Street” video about neighborhood streets and traffic calming. This CD/video will be available to all members to share in their communities—on projects, in local meetings or on cable network television—as members best see fit. You can thank Patti Boekamp who led the concept of ITE producing practical public informational material for members. Continue to look on the www.ite.org web page for details. Tom also outlined ITE involvement in community activities (such as Engineers Week and “Walk Your Child to School Day” coming up Wednesday October 2, 2002 – go to www.walktoschool-usa.org for more information). He also noted ITE’s role coordinating with the Justice Department on informational publications on the new Americans with Disabilities Act (ADA) publications—again practical documents for professionals. Finally, Tom indicated that substantial work will be completed this year to integrate local section and chapter web sites with District and International web sites—more information to come on this exciting development by the end of the year.

Randy McCourt reported that District 6 was in excellent financial shape and for the first time in its history, has accumulated financial reserves at a level deemed appropriate by the District accountant. As of July 1, the District had assets of just over $180,000. Current expenses and income were tracking on budget for the 2001-2002 fiscal year and a budget of approximately $150,000 was presented for the 2002-2003 year.

Tim Harpst announced that he would pursue nomination for International Vice President in 2003. The District 6 Board fully supported his announcement. Tim has served District 6 for seven years as an officer of the board and International Director. Prior to District 6 service Tim held leadership positions in the Intermountain Section.

Rock Miller presented some guidelines for future candidates and nominee selection in District 6 and Ray Davis noted that some sections were utilizing electronic balloting to reduce costs of elections. Further study on both these subjects will be considered by the Board in the future. Both Rich Romer and Ray Davis commended Patti Boekamp for her service to District 6 over the past seven years as she prepares to step down as an International Director in January.

Zaki Mustafa reported that WesternITE once again won the International ITE award for best newsletter. He noted that revenue from WesternITE nearly covers costs for the newsletter. Julie Townsend introduced Jon Pascal, the new website manager, to the board and reported on the new Best Web Site Award (which was awarded to the Oregon Section).

Ken Ackeret summarized Technical Committee activities, including the fact that 13 out of 15 sections and chapters submitted Section Activity Reports this year—an all-time high. He also noted that Sections and Chapters are giving out over $11,000 in scholarships throughout District 6 currently and that the Oregon Section won the District 6 Section Activity Award this year. Ken noted that John Gard won the Van Wagoner Award for the best District 6-authored article in ITE Journal for his work on unsignalized intersection

(Continued from page 1)
September - October, 2002

Business Meeting Highlights

The 2002 Annual Business Meeting was held Tuesday July 16, 2002 in Palm Desert. President Rory Grindley opened the meeting with a moment of silence for members in District 6 that had passed away in the prior year. Rory recognized all officers and committee members present from International, District, Sections and Chapters. Rory praised the Palm Desert Local Arrangements Committee for their outstanding job of hosting the 2002 Annual Meeting. General Chair Dee Ubhayakar addressed the membership with some dry humor to go along with the dry heat. Dee noted that about 500 people registered for the meeting, exceeding all forecasts.

Both candidates for International Vice President and International President Jenny Grote presented on Monday, so International Vice President Jack Freeman addressed the membership summarizing key initiatives being undertaken. He particularly mentioned key signal timing and safety publications that had recently been produced by ITE and are now available on the web. Tom Brahms, International ITE Executive Director outlined new initiatives of ITE aimed at expanding the transportation work force through student initiatives and continuing education.

District 6 President Rory Grindley summarized the District's student initiatives and highlighted new funding for students and faculty advisors. He then highlighted where the next Annual District Meetings will be:

- 2003 – Seattle, Washington (ITE International Joint Meeting)
- 2004 – Sacramento, California
- 2005 – Kalispell, Montana
- 2006 – Honolulu, Hawaii
- 2007 – Portland, Oregon
- 2008 – Anaheim, California (International Joint Meeting)

Secretary Treasurer Randy McCourt provided an overview of District 6 finances and highlights of the 2002-2003 District 6 budget. The budget was approved by the membership.

Fran Dunajski, the chair of the Tellers Committee reported the following election results for the District 6 elections to President Grindley: President—Julie Townsend, Vice President—Randy McCourt, Secretary Treasurer—Zaki Mustafa, International Director (commencing January 2003)—Pat Noyes.

The 2002 Annual District Meetings will be:

- 2003 – Seattle, Washington (ITE International Joint Meeting)
- 2004 – Sacramento, California
- 2005 – Kalispell, Montana
- 2006 – Honolulu, Hawaii
- 2007 – Portland, Oregon
- 2008 – Anaheim, California (International Joint Meeting)

Jodi Carson summarized survey work her committee had completed regarding student initiatives. She noted that the Board’s approval of discounted dues for student faculty advisors, waiving of Annual Meeting registration for both students and advisors and new student competition were greeted warmly throughout District 6. Charlie Ebeling noted that the new Annual Meeting Student Competition was a big success with over 20 participating students. Congratulations to Meagan Powers (Montana State), Amaka Okoro (CSU Long Beach), Vincent Ramos, Alvin Ly and Fredy Monge (all from Cal Poly Pomona).

Congratulations also to: Dr. Jodi Carson, inaugural recipient of the District's Outstanding Educator Award; Individual Achievement Award recipient Nazir Lalani; and, Lifetime Achievement Award recipient Robert Crommelin!

The next District 6 Board meeting will be held January/February 2003 in Sacramento.

Award Recipients from our Annual Meeting

<table>
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<tr>
<th>Category</th>
<th>Recipient</th>
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<tbody>
<tr>
<td>Lifetime Achievement</td>
<td>Robert Crommelin</td>
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<tr>
<td>Individual Achievement</td>
<td>Nazir Lalani</td>
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<tr>
<td>Outstanding Educator</td>
<td>Jodi Carson</td>
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<tr>
<td>Student Paper Competition</td>
<td>Brent Turley</td>
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<tr>
<td>Student Paper RFP Contest</td>
<td>Alvin Ly, Cal Poly Pomona</td>
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<td>Fredy Monge, Cal Poly Pomona</td>
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<td>Amaka Okoro, CSU Long Beach</td>
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<td>Meagan Powers, Montana State</td>
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<td>Vincent Ramos, Cal Poly Pomona</td>
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<td>Wayne T. VanWagoner</td>
<td>John Gard</td>
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<tr>
<td>WesternITE Editorial Award</td>
<td>Rock Miller &amp; George Dore</td>
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<td>Best Annual Meeting Paper</td>
<td>Stephen Sargeant &amp; Jim Christie</td>
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<td>Best Website Award</td>
<td>Chris Monsere – Oregon Section</td>
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<tr>
<td>Section Activities Award</td>
<td>Oregon Section</td>
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<td>Student Chapter Report Award</td>
<td>Montana State University</td>
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<td>Student Chapter Honorable Mention</td>
<td>Cal Poly-Long Beach</td>
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<tr>
<td>Student Chapter Honorable Mention</td>
<td>University of Nevada, Las Vegas</td>
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<td>Membership – Number</td>
<td>Oregon Section</td>
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<tr>
<td>Membership - Percentage</td>
<td>Nevada Chapter</td>
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<tr>
<td>Wisest and Windiest Scribe Award</td>
<td>Cathy Leong – Hawaii Section</td>
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<td>Traffic Bowl First Place</td>
<td>Southern California Section</td>
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<td>Second Place- New Mexico Section</td>
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<td>Third Place - California Border Section</td>
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<tr>
<td>Annual Meeting Golf Tournament</td>
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<td>First Place Team (100 entrants)</td>
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<tr>
<td>Mike Metzig</td>
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<td>Dave Berlman</td>
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<td>Eddie Ochoa</td>
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<td>Patrick Ochoa</td>
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<tr>
<td>Longest Drive</td>
<td>Steve Frazier</td>
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<tr>
<td>Closest to the Pin # 8</td>
<td>J.R. Morgan</td>
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<tr>
<td>Closest to the Pin # 17</td>
<td>Katie Schell</td>
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www.westernite.org
Palm Desert

Deepak “Dee” Ubhayakar, P.E.
LAC General Chairman

It has been an honor to serve you as General Chairman of the ITE 2002 District 6 Annual Meeting which was held during July 14-17, 2002 in Palm Desert, California.

The Annual Meeting was hosted by the ITE Riverside—San Bernardino Section. On behalf of the Local Arrangements Committee and District Board members, I want to thank everyone in attendance at the Annual Meeting for helping us in putting together the largest Annual Meeting in the ITE District’s 55-year Annual Meeting history. We, the LAC Members, District Officers, Cal Poly University-Pomona Students, and Volunteers worked together as a team and, with God’s blessings and grace, we had a successful conference.

It was the goal of the LAC to plan and conduct an annual meeting that would be affordable to everyone and would provide quality technical sessions and social programs. From the many favorable calls and comments we received, it appears that we have met our goals.

The Annual Meeting was held at the Marriott Desert Springs Resort & Spa in Palm Desert, one of the five top resorts in the United States. The spectacular resort provided an excellent conference facility including 884 guest rooms for a low $95 per room night cost to the conference attendees. The resort also provided excellent family oriented recreational facilities. Here are some highlights of the Annual Meeting:

The meeting was attended by 775 members, spouses, guests, vendors, and students. It included an Exhibit Hall with 40 exhibit booths filled with consultants and vendors. We also provided booths near the registration area, to the 2003 (Seattle) and 2004 (Sacramento) Annual Meeting LACs. Our many thanks to all the consultants and vendors who participated in the Annual Meeting.

Our District President, Rory Grindley, had proclaimed this year as the “Year of the Student.” Our student participation was an all-time high with 49 students and four Student Chapter Faculty Advisors.

This is the first time we officially introduced sponsorship opportunities to consulting firms, vendors, agencies, and individuals. We are pleased to report that there were 24 sponsors whose total contribution was over $15,000. Many thanks to all the sponsors for their generous support. Their contribution has helped us to defray miscellaneous Annual Meeting costs.

We had four days of activities, starting off on Sunday morning with a golf tournament. It was held at one of the championship golf courses at the resort. The golf tournament was a grand success. We had 100 members, spouses, guests and friends participate in the Golf Tournament.

On Sunday morning, two technical workshops were presented on ITS Standards Overview and MUTCD. On Sunday afternoon, a technical workshop was presented regarding the latest AASHTO to Standard Specifications for Structural Supports. A student Request for Proposal (RFP) competition was held on Sunday afternoon. Many ITE Student Chapter members participated in the competition.

The District Board meeting was held during Sunday afternoon. International ITE President, Jenny Grote and International Executive Director, Tom Brahms were in attendance.

Our Get Acquainted Reception was held on Sunday evening in the Spring Ballroom. The reception was well attended by the Annual Meeting attendees and accompanying family members and friends. Everyone enjoyed the evening, meeting new and old friends, and enjoying plenty of food and drinks.

On Monday morning we kicked off the Annual Meeting with the Opening Session. I was honored to be the moderator of the Opening Session. Our keynote speaker was International ITE President, Jenny Grate, who did an excellent job in updating us on ITE activities and in recognizing the members who make a difference beyond ITE. After the Opening Session, the Exhibit hall was opened and the technical sessions began.

The Technical Sessions featured 86 sessions during Monday through Wednesday, organized in three concurrent tracks covering Systems Operations, Transportation Planning and Livable Communities. Our thanks to each of the moderators and technical paper presenters for doing an excellent job in presenting quality technical sessions. We provided each attendee with a complete Compendium of Papers in CD format rather than in a thick printed binder. There were three technical tours provided on Monday and Tuesday that included: Lido Motors Manufacturing Tour, SunLine Transit Technology Tour and Palm Springs Aerial Tram Operations Tour.

Our Kick-off Luncheon was held on Monday and the luncheon

The LAC Members

General Chair: Deepak "Dee" Ubhayakar, City of Pomona.
Vice General Chair / Hotel Arrangements: Mark Greenwood, City of Palm Desert.
Vice General Chair / Transportation: Carlos Ortiz, RFB Consulting.
Financial Chair: David Nelson, City of Pomona.
Technical Chairs: Michelle and Doug Smith, URS Corporation.
Dr. R. Tadi, CalTrans District 8.
Registration Chair: Ben Woo, City of Pomona.
Publicity Chair: Jim Harris, City of Rancho Cucamonga.
Website Chair: Zaki Mustafa, City of Los Angeles.
Vendor Chair: Mike Girardot, Synchronex.
Entertainment / Traffic Bowl Chair: J.R. Morgan, County of Riverside.
Technical Tours Chairs: Anwar Wagdy, City of San Bernardino., Jeremy Vela, City of Palm Desert.
Keynote Speaker / Luncheon Chair: Juan Perez, County of Riverside.
Special Services Chair: Fran Dunajski, City of Riverside.
Family Activities Chairs: Anne Azzu, Coachella Valley Assn. of Governments.
Jeremy Vela, City of Palm Desert.
Richard Jenkins, City of Palm Desert.
University Liaison Chair: Peter Clark, Cal Poly University, Pomona.
District Alison Chair: Rock Miller, Katz, Okitsu & Associates.

Deepak "Dee" Ubhayakar
LAC General Chairman
speaker was Police Officer Ross Taylor of City of Phoenix, Arizona. International ITE Vice President candidates, Steve Hoeffner and John Kennedy, gave their campaign speeches during the luncheon.

Monday evening was our family night celebration. 475 meeting attendees and family members took the buses from the resort to the basement of the Palm Springs Aerial Tramway facility. We rode the world’s largest rotating trams at the Palm Springs Aerial Tramway, rising over two and one-half miles to a scenic wonderland in Mt. St. Jacinto State Park. We then enjoyed the buffet style dinner with jazz band entertainment at the restaurant on the top of the mountain. We all returned to the resort by 10 p.m. Everybody enjoyed the aerial tram ride, food, and entertainment in a pleasant environment.

On Tuesday we continued the technical sessions, and the Exhibit hall was open all day. The District Annual Business Meeting was held during lunchtime.

The afternoon technical sessions ended with the Annual Traffic Bowl. Everybody enjoyed the make-it-yourself ice cream sundaes and banana splits. A friendly but serious competition was held in the Traffic Bowl which ended with the following winners: First Place—Southern California Section, Second Place—New Mexico Section, and Third Place—California Border Section.

On Tuesday evening the Springs Ballroom was the location of our Annual Awards Banquet. The banquet theme was “Rat Pack Revival.” In the 1960’s, Frank Sinatra, Dean Martin and Sammy Davis, Jr. teamed up as friends to perform together, creating what was soon to be known as the legendary Rat Pack. The ballroom was decorated Las Vegas style and everyone was encouraged to dress semi-formally. A delicious dinner was served with drinks. After the dinner, our District President, Rory Grindley, formally recognized the contributions of various District 6 award winners. A Disc Jockey (DJ) was arranged, who set up prior to the banquet and played background music during the dinner. The Frank Sinatra, Dean Martin and Sammy Davis, Jr. impersonators sang their popular songs and entertained us all. Some District Board members and banquet attendees participated in dance routines. After the “Rat Pack” entertainment, the DJ played the music and many attendees stayed and danced until 11 PM.

Our final major event was the Western States Luncheon which was held on Wednesday. This luncheon provided the opportunity to acknowledge the contribution of those who have provided service to the District during the 2001-2002 year. The newly elected District 6 Officers for the 2002-2003 year were formally installed.

The success of the Annual Meeting was as a result of the dedicated LAC members who helped to plan and conduct the Annual Meeting during the last three years. I want to personally thank District President, Rory Grindley, the District Board Members, Cal Poly University-Pomona Students and Faculty Advisors, and each of the LAC Members for their tireless efforts in organizing this successful and largest Annual Meeting.

Roundabouts and Light Rail Combined:

TRAX Extension at the University of Utah

Bill Baranowski, P.E.
Roundabout Design Specialist

A modern roundabout intersection is currently under construction as part of the University of Utah Health Sciences Center Light Rail Extension in Salt Lake City, Utah. The roundabout made center-running tracks possible on this alignment at a major campus intersection. The use of roundabouts with rail crossings was observed by the author on trips to Europe and Australia. As roundabout usage becomes more common in the USA, creative uses such as this one should be considered.

The original section of light rail constructed in Salt Lake County is the 15-mile north/south line between Sandy City and Salt Lake City completed in December 1999. The Main Street to University of Utah Trax line includes two sections. The first section is located on 400 South/500 South between Main Street east to the Rice Eccles Stadium on the University of Utah campus. It was completed in 2001. The second section is the Health Sciences Center Extension of
Trax light rail at the University of Utah Campus shown at left. It begins at the Rice-Eccles Stadium Station and follows South Campus Drive and Wasatch Drive for 1.4 miles. The extension includes three stations and three major intersections.

The LRT Extension is expected to open by 2004. It has the potential to serve many of the hospital campus’ 9,000 employees and the 500,000 outpatient-clinic visitors per year. The existing north-south LRT line carries an average of 20,000 riders per day; the 2.5 mile extension to the Stadium carries 5,000 riders per day. During the recent Winter Olympics the LRT system carried over 140,000 riders per day on the busiest days. There is a severe shortage of parking on campus which is a great opportunity for transit growth.

**Track Alignments**
Several alternative light rail track alignments within the existing roadway corridors were proposed along with station locations, intersection control options, and pedestrian crossing locations. The designer was asked to review the proposed track alignments, analyze three key intersections and to give recommendations for the placement of the tracks and stations.

Center-running is an operational advantage over side running on South Campus Drive. The number of track crossings is reduced to only those at signalized intersection locations. This has eliminated several gated crossings on the north side of South Campus Drive. Right-in right-out access will be maintained for the driveways on both sides of South Campus Drive. Center running also provides the ability to maintain existing University Shuttle and UTA bus stops on both sides of South Campus Drive near the Library and the Huntsman Center. The roundabout option makes center-running light rail possible where a traffic signal would not.

The change in track alignment on South Campus Drive from side running to center-running appears to improve access and operation. The change in track alignment on Medical Drive is a significant operational improvement.

**Key Intersection Analysis: Roundabout and Traffic Signal Comparison**

The existing intersection of South Campus Drive and Campus Center Drive is a “T” intersection with South Campus Drive along the top of the “T” running east west. This intersection is one of the major entrances to the campus with about 2,000 vehicles per hour in the AM and PM peaks.

The south leg is Campus Center Drive, which connects to 500 South/Foothill Boulevard, which is a major 6-lane east-west arterial connecting downtown Salt Lake City to Interstate 80 near the mountains. Foothill Boulevard includes a traffic signal with heavy double left-turn traffic up to the study intersection and is located approximately 320 feet to the south.

Computer analysis and simulations were prepared to show the traffic impacts with the center running Trax line on South Campus Drive at the intersection with Central Campus Drive. The two alternatives considered included a roundabout with bypass lanes on the southwest corner and a signal-controlled intersection with double left-turns in the northbound and westbound directions.

The simulations of the roundabout and signal were generated using VISSIM and SYNCHRO. VISSIM was used to generate a simulation of the proposed roundabout as well as a signal. SYNCHRO was used to generate the HCM reports for the signal and RODEL was used to produce a LOS analysis based on the geometry of the roundabout. The table below summarizes the results of the LOS analysis.

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<thead>
<tr>
<th>Intersection LOS Comparison</th>
<th>2020 Turning Movement Volumes (LOS/Ave. Delay)*</th>
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<tbody>
<tr>
<td></td>
<td>Roundabout</td>
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<tr>
<td></td>
<td>AM</td>
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<tr>
<td>Northbound</td>
<td>A / 7.8</td>
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<tr>
<td>Eastbound</td>
<td>A / 4.2</td>
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<tr>
<td>Westbound</td>
<td>A / 4.2</td>
</tr>
<tr>
<td>Overall</td>
<td>A / 6.0</td>
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Bill Baranowski, P.E.
Roundabout Design Specialist
RoundaboutsUSA
715 East 3950 North
Provo, UT 84604
bill@RoundaboutsUSA.com
Section Reports

Alaska

Our March 2002 meeting began with a reminder for the HCM course registration. The one day course is presented by ITE Alaska and will be taught by Kittelson and Associates in April. The treasurer reported $5600 in the checking account.

Our speaker was Miriam Tanaka, a project manager with Alaska DOT&PF Preliminary Design. She spoke about the Sterling Highway, MP 37-60, near Cooper Landing. This section of highway has been studied since 1975. In 1984 the Kenai River Special Management Area was created, making the whole corridor a park, and requiring a new EIS. Part of the project, MP 37-45, was eventually permitted and sent to Design and Construction. The remainder is still being reviewed as part of a supplemental draft EIS, due out this fall. There are numerous alternative alignments that would divert traffic towards or away from existing businesses, homes, campgrounds, fisheries, archeological sites, wetlands, and floodplains. You can see more on these alternatives at http://www.sterlinghighway.net/.

Our April 2002 meeting began with a short business meeting. We distributed nomination forms for officers. Elections will be in June. The HCM course with Kittelson and Associates went well.

The student ASCE chapter gave us a quick presentation on their concrete canoe, which was actually a Portland cement, fly ash, emulsified asphalt and fiberglass mesh canoe. They needed to practice their speech on us before their big presentation at the ASCE competition, and we proved to be a friendly audience.

Then we listened to an interesting talk by Bob Kniefel, ITE fellow, and Director of the Municipality of Anchorage Transit Department. The Anchorage People Mover bus system is currently under restructuring. The proposed new system, to be phased in as funds become available, will have multiple hubs. All buses will be on an hourly schedule so that they will pass each bus stop at the same number of minutes after the hour (memory headways). Buses will all arrive at the hubs at the same time, and leave a few minutes later, allowing for smooth transfers. In Eagle River, where the population is sparse and there are no sidewalks, the ADA, senior, and regular riders will be picked up by a “community circulator” that has a semi-fixed route, but detours to pick up people from their houses.

The May 2002 meeting opened with a very short business meeting. Then we proceeded on to the speaker, Dan Sterley, of CH2M Hill, who spoke about the New Seward Highway Major Investment Study.

The steps to the major investment study included: define problem, develop an evaluation framework, map existing conditions, quantify accidents and air quality, set up a GIS database, calculate current and future transportation demand, review regional housing issues, address east-west circulation barriers, evaluate and levels of service. The study looked at alternative modes of transportation, including pedestrian, bus HOV, park-and-ride bus lines, bicycles, and light rail.

The election results for our new officers were announced at the June meeting. They are: Brad Blackstone for president, Laurie Kozisek for vice president, Tony Strupulis for treasurer, and Melissa Mormillo for secretary. They will commence duties in August. As always, there will be no July meeting.

Our speaker was Murph O’Brien, coordinator for the Scenic Byways Program for the Alaska DOT&PF, assisted by Dan Galligan, of HDR. The National Scenic Byways Program was created by the FHWA in 1991 to identify those highways out of our 4 million miles of US highways that are scenic, cultural, natural, historical, recreational, or archeological treasures – destinations unto themselves. Examples are the Columbia River Scenic Byway near Portland, Oregon, the Las Vegas Strip, and Highway 1 in California.

Mr. O’Brien explained the process his team used to successfully designate the Glenn Highway as a Scenic Byway. The key was early identification, involvement, and support from local leaders in each community along the way.

Laurie Kozisek, P.E., Secretary

California Border Section

Section Annual Awards luncheon was held June 6th at the Handlery Hotel in Mission Valley.

The Chula Vista Transportation Enhancements Program won the Large Transportation Project of the Year. This project was a joint effort by The City of Chula Vista and developers in preparation for booming population growth and increasing transportation needs. The program included street capacity, multi-modal, and demand management studies. Key players in this project from the City of Chula Vista were John Lippitt, Director of Public Works; Frank Rivera, Senior Civil Engineer; and, Daniel Forster and Paul Hellman from the Planning and Building Departments.

The India Street Revitalization Project won the Small Transportation Project of the Year Award. This multi-block project was planned and implemented by the Centre City Development Corporation (CCDC). This project benefits pedestrians, increases parking, and calms traffic in the Little Italy neighborhood of the City of San Diego. Key players in this project were Peter Hall, Executive Director, and Jerry Selby, Project Manager, both of CCDC. The India Street Revitalization Project is an excellent model for in-fill urban “smart growth design.”

Receiving the award of Transportation Professional of the Year was Robert T. “Bob” Johnson, Jr., P.E., the City of Carlsbad’s Deputy City Engineer. Bob, who is active in the San Diego
Traffic Engineers Committee, served as Chapter President for ITE 1992-1993. He received last year’s Small Project of the Year Award for The Carlsbad Residential Traffic Management Plan. This project provided traffic calming measures as well as important safety information now in use by the City of Carlsbad.

New California Border Section officers were elected: Frank Yates, Associate Traffic Engineer, City of San Diego, President; Ralph Leyva, City Traffic Engineer, City of Chula Vista, Vice President; Zoubir Quadah, Vice President of Willdan Associates, Treasurer; and Victoria Cole, Associate Traffic Engineer, City of San Diego, Secretary.

The next California Border Section meeting will be held at the Handlery Hotel on Thursday, September 5th. The California Border Section’s Holiday Party will be held Friday, December 6, 2002 at the Catamaran Resort Hotel on Mission Bay.

New Mexico Section

In May, the New Mexico Section held its monthly meeting at Weck’s in Albuquerque. The Section is once again providing advertisement opportunities to individuals and companies, to be placed in our annual Membership Directory. Proceeds from the advertisements are used to cover printing costs and excess revenue is used to support the UNM Student Chapter.

Holding with tradition, the 1st and 2nd place winners in the UNM Student Paper Contest presented overviews of their papers at the meeting. 1st place went to Elizabeth Rutman, who provided an evaluation of "T" intersections located on the UNM campus. Three intersections were evaluated from an operations and safety perspective. Recommendations from this study will be presented to the University and may actually be implemented. 2nd place went to Suresh Pavatoja, with a paper on Methods of Detecting Incidents. The investigation included the use of sensors to automatically and continuously monitor traffic characteristics and detection algorithms to identify incident patterns.

In June we held our last meeting for the year at Molly’s in Santa Fe. Candidates for Secretary/Treasurer (Eric Hawton and Cris Perea) addressed the membership with a brief statement of qualifications. The presentation for the meeting, “Building the Big I” was given by Jim Barrera, from URS Corporation. The “Big I” is a major interchange in the heart of Albuquerque with I-40 and I-25, which was recently reconstructed. Original traffic volumes for the interchange were 40,000 vpd upon opening and had grown to over 300,000 vpd prior to construction. URS Corporation designed the project and provided technical support during construction. Jim was the project Traffic Engineer. The project was completed in 24 months and included 111 new lane miles or roadway, 45 new bridges and 600,000 sqft of MSE walls. A comprehensive Traffic Management Plan was developed and executed for the project. This plan included a Management of Traffic (MOT) performance specification. This specification outlined criteria which was incorporated into any modifications the contractor implemented in the traffic detours. Two lanes were maintained in each through direction and all 8 directional ramps were operational on a daily basis from 5:30AM to 9:00 PM.

Kurt D. Thorson, P.E.
Secretary/Treasurer

Southern California Section

Southern California Section started off the year with their traditional Annual Steak Fry dinner at the Los Angeles Police Academy. As usual this informal meeting was very well attended. The members had the opportunity to get to know their newly elected officers. New ideas, comments and suggestions were discussed in this meeting.

The section also won the Traffic Bowl Competition, which was held at District 6 Annual meeting at Palm Desert. The section team was placed at first position and awarded a total amount of $500. The money was given by the section newly elected president, Monica Suter, to the Cal Poly Pomona Student Chapter for their participation at the District 6 Annual meeting.

The next Southern California Section meeting will be held at Monterey Hill Restaurant on Wednesday September 18, 2002.

Sunil Rajpal
Co-editors: Martin Bretherton & Bridget Smith

Study Finds “Radar” Sign Effective in Reducing Speeds Near Schools
By Russ Taft, School Safety Program Manager, City of San Jose DOT

San Jose recently conducted a test of a new LED sign that displays speed information to passing motorists, similar to radar trailers. The sign is mounted semi-permanently onto an electrolier, and displays “Speed Limit 25” which changes to “Your Speed XX” when motorists are detected exceeding the speed limit. San Jose began working with a local sign manufacture, Fortel Communications, in 1999 to develop the sign.

San Jose tested the sign in a school zone, where speeds exceed 25 miles per hour (mph). The sign was erected with a “SCHOOL” placard above the sign, and a “WHEN CHILDREN ARE PRESENT” placard below the sign, to be in compliance with California State guidelines.

Overall, the test results are encouraging, with a 5-7 mph reduction in speeds when the sign is operating. The 85th percentile speed dropped from 43.3 to 37 mph, and the average speed dropped from 37 to 32 mph., a decrease in speeds of about 16 percent. Observations revealed that about 18-21 percent of vehicles triggering the speed display applied their brakes when the speed of the vehicle was displayed as exceeding the speed limit. The San Jose Police Department conducted a motorist poll at a test location and found that:

- Most motorists noticed the sign itself, however only just over half noticed their speed registered on the sign.
- Nine out of 10 drivers knew that they were in a school zone, and knew that they were exceeding the speed limit, but only seven indicated that they thought they were going 25 mph or less.
- An overwhelming majority thought that the signs were effective, which is somewhat surprising, considering that only half thought that the sign’s display was applying to them.

An electronic copy of the detailed study (6 MB) can be obtained through an e-mail request to Russ Taft at russ.taft@ci.sj.ca.us. Mr. Taft may also be reached at City of San Jose DOT, 4 N. Second St. Suite 1000, San Jose, CA 95113, or 408/277-2576.

Roundabouts Reduce Traffic Backups

The Insurance Institute of Highway Safety (IIHS) reports that a study conducted by researchers at Kansas State University found that roundabouts reduce delays. The study measured traffic flow at three intersections in Kansas, Maryland and Nevada before and after conversion to roundabouts. An IIHS survey shows that motorists’ acceptance of roundabouts increases with experience.

The report is available at http://www.hwysafety.org/srpdfs/sr3607.pdf

The Latest Research on Rumble Strips

The Transportation Research Board (TRB) posted an article describing the Pennsylvania DOT process for identifying a rumble strip pattern that alerts drowsy drivers but allows for comfortable passage of bicyclists. The report is available at http://trb.org/trb/publications/trnews/rpo/rpo.tm215.pdf

Federal Highway (FHWA) has posted a Technical Advisory titled “Roadway Shoulder Rumble Strip Study”. It is available at http://safety.fhwa.dot.gov.

An Update on Red Lights in San Diego
By Tom Larwin

A study by PB Farradyne Inc of Los Angles has studied the San Diego red light program and recommends that the program be turned back on and expanded after a few changes are made to the program. The program was turned off in June 2001 when motorists suggested there were problems with the system and a city judge threw out hundreds of tickets.

The study found several problems with the red light program, but felt the problems were minor and have not resulted in a motorist being ticketed illegally. It recommended increasing the length of the yellow phasing at several intersections but found that the timing of the yellow timing meets city standards but not the state standards. The loops need to be moved to more accurately trigger the red light cameras and calculate the vehicles speed.

The City Council has not decided to reinstate the program as of the date of the article published in the Union-Tribune. The article says the council will address the issue after the audit report is reviewed by the police and traffic engineers. The city may hold public forums on the program, says the Chief of Police.
**Positions Available**

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- Should be able to work as a team member and independently

Desired Qualifications:
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- Experience working for a consulting firm

Please email resumes: careers@dksassociates.com or fax resume to: Human Resources 510 268-1739

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$5737-$6,948/mo, plus excellent benefits. Salary increase of 5% is anticipated for Oct. 1, 2002. Perform professional and technical level work in transportation engineering. Principal assignments will generally be in the area of traffic operations and street lighting, and includes safety studies and reports, investigating complaints and claims and dealing with the public. May provide consulting services and advice to City departments, divisions and other groups on transportation engineering matters, testify in court as required, and act as project manager on both City and consultant-designed transportation related projects. Requires three years of professional level experience in transportation engineering, BA or equivalent in transportation engineering or closely related field and possession of a certificate of registration as a Professional Engineer (Civil or Traffic) in California. Open Until Filled. Contact Human Resources Department, City of Hayward, 777 “B” Street, CA or visit www.ci.hayward.ca.us or call (510) 583-4500, Monday – Friday, 9:00AM – 4:00PM. AAFE

**RBF Consulting**

Traffic Project Engineer: Position requires a BSCE, professional registration, and a minimum of 4 years transportation engineering experience. Strong skills utilizing AutoCAD/Softdesk and/or Microstation/InRoads preferred. Lead design and CADD production staff in the development and successful delivery of all technical work products. Responsible for the design of highway and drainage plans, specifications and estimates for city, county and state facilities.

Traffic Project Engineer: Position requires a BSCE, professional registration and a minimum of 4 years traffic engineering experience. Strong skills utilizing AutoCAD and Microstation preferred. Responsibilities include the preparation of traffic engineering design plans, such as signing, striping, traffic control, traffic signal and lighting for city, county and state highway facilities.

RBF offers an excellent compensation and benefits package including 401(k), profit sharing and bonus plans. Visit our website at www.rbf.com and send your resume to: RBF Consulting 14725 Alton Parkway Irvine, CA 92618 Fax: 949-472-8373 Email: hrmail@rbf.com EOE

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**TRAFFIC/TRANSPORTATION ENGINEER OR PLANNER RK ENGINEERING GROUP, INC. is a growing Newport Beach consulting firm that has an immediate opening for a Transportation/Traffic Engineer or Planner. At least 2-3 years of professional experience in traffic engineering or transportation planning is required along with strong analytical, oral and written communication skills. Familiarity with Traffic, Synchro/SimTraffic, AutoCAD and other transportation software is highly desirable. We are looking for a “self-starter” who can work with a limited amount of supervision.**

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Katz, Okitsu & Associates

Katz, Okitsu & Assoc, is a specialized traffic and transportation engineering firm with offices throughout So. Calif. We offer excellent salaries, competitive benefits, and a challenging and professional work environment. Currently we are accepting applications to fill immediate openings for senior and associate traffic engineers, civil engineers and transportation planners in our Los Angeles, Tustin, San Bernardino, and San Diego offices. We are also considering a position for a proposed office in Honolulu.

Senior Engineer: The candidate will require a B.S. in Civil Engineering; P.E. or T.E., 10 years experience in traffic and civil project management and knowledge of principals and standards for design. Good oral and written presentation skills; and demonstrate familiarity with design analysis and administrative software packages.

Senior Traffic Engineer for San Bernardino Office: Our new San Bernardino office is seeking a Senior Engineer to manage the day-to-day operations. The candidate should have a B.S. in Civil Engineering, P.E., T.E., and/or PTOE. 10 years of experience in traffic and civil project management and scheduling, traffic analysis, report preparation and knowledge of principals and standards for traffic engineering. Candidate should have supervision and business development experience. Candidate should have good oral, written and presentation skills.

Senior Transportation Planner: Position requires a person with strong leadership skills to help develop and supervise a staff of professionals who prepare transportation studies for public & private projects. A master’s degree in city or regional planning, civil engineering, urban geography or related field or a bachelor’s degree with advanced training in the field. 10 yrs of experience in technical analysis, project management and supervision and good oral and written presentation skills. Certification from AICP is desirable in lieu of engineering license.

Associate Engineers/Associate Transportation Planners: Positions require a bachelor’s degree in Civil Engineering or related field, and two years of professional engineering or planning experience.

Traffic Engineer in Honolulu: Opening a temporary office in Honolulu, which could evolve into a permanent office if business conditions are right. Lead and coordinate team efforts in traffic operations and design. Requires experience in signal timing, traffic signals, and contract administration; experience preparing & administering budgets; strong customer service orientation; and the ability to open an office in a new area. Position requires: B.S. Civil Engineer; P.E. or T.E., 10 years experience, preferably in traffic signal timing analysis. Please visit our website at www.katzokitsu.com for more information about the company and the positions. E-mail salary history with your resume and cover letter and address it to: Susan Grabiec at sgrabiec@katzokitsu.com with “Employment” in the subject line.

Dave Hunt
Appointed Willdan’s Orange County Regional Manager

Willdan is pleased to announce the appointment of David L. Hunt, P.E., as Senior Vice President and Regional Manager of its Orange County Regional Office. Mr. Hunt has more than 26 years of public works engineering experience, with 17 years at Willdan’s Orange County Regional office.

During his career he has been responsible for managing the design of major public works projects including master planning and design of flood control facilities; water and wastewater systems; assessment engineering; as well as plans, specifications and estimates for public works improvements for numerous local, regional and state agencies throughout Southern California.
By now I’m sure you have learned that your newsletter, Westernite, has won the International ITE award for Best Newsletter. We were able to pull that off because of your help and support. It is your newsletter, so keep sending in the technical papers, section reports with your photo and your section logs, and most important of all—your comments. If it wasn’t for Pat Noy’s encouragement and Matthew Ridway’s guidance I would have been very lost with our newsletter—thank you, Pat and Matthew. Now, because of your support, I am able to move on to serve you as your secretary-treasurer. As Julie indicated in her message, we are looking for someone to take my place. Please contact Matthew Ridgway as soon as possible if you are interested. Again, I would like to thank all of you for your support in helping me in being able to serve you as your Secretary-Treasurer.

God Bless
Zaki Mustafa

As this column goes to press in late July, progress on finalizing annual budgets at the state and federal levels has been slow.

In California, the debate over the need for and use of HOV lanes continues, as AB2582 would allow dedicated paratransit vehicles (typically small buses) to use HOV lanes irrespective of the number of vehicle occupants.

Several bills (AB1058, 1493) are being circulated to address air quality issues, and MTC in the Bay Area is now under a court order to increase transit ridership by 2006 due to EPA non-compliance issues in the region.

At the Federal level, in late July both the House and Senate passed the Supplemental Appropriation Report. Overall funding will be just under $29 Billion, with $4.95 Billion for the new TSA (Security) and about $100 million for highway repairs on an emergency basis. A number of highway projects were cut in favor of security spending, which drew heated reactions from some elected officials.

The USDOT has a new electronic notification system; sign up at http://dms.dot.gov (more info at www.dot.gov/affairs/dot06902.htm)
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