RSBITE Student Presentations

Thursday, May 15th, 2014

Come and join us this month for the exciting Transportation Projects presented by young and rising engineers from Cal Poly Pomona, UCLA & California Baptist University!

WHEN:
Thursday, May 15, 2014
from 11:30 AM to 1:15 PM (PDT)

WHERE:
Bombay Restaurant Cuisine of India
405 N. Vineyard Ave, Ontario, CA 91764
Ontario, CA 91764

SCHEDULE:
11:15 AM -12:00 PM: Registration and Social
12:00 PM - 12:20 PM: Business and Lunch
12:20 PM - 1:15 PM: Student Presentations

CLICK ON THE LINK TO SIGN UP ON EVENTBRITE
http://2014-rsbite-may-meeting.eventbrite.com

www.bombaybanquet.com
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THANK YOU
TO OUR MAY MEETING SPONSOR!!!
AB 1447 (Greenhouse Gas Reduction Fund: Traffic Signal Synchronization) has been amended and approved on April 22nd. Funding to reduce greenhouse gas emissions through traffic signal synchronization, which decreases congestion and improves traffic flow by minimizing stops, delays, fuel consumption, and air-polluting emissions.

Updates:

- The Western District received positive concurrence from 6 of the 7 CA Section
- Carlos Ortiz, our Western District Vice President got invited to testify to the Assembly Transportation Committee on April 28.
- This bill passed the Assembly Natural Resources committee and is now on the way to the Assembly’s Transportation committee where it will be heard this Monday, 4/28/14 at 1:30 pm.
- ITE International also supported this bill within just a couple days and provided a very useful fact-sheet, available upon request.

Other Items:
- There is a free webinar tomorrow (for ITE members) related to advocacy http://www.ite.org/education/webinars_advocacy.asp#TAKING_THE_PLUNGE_INTO_SOCIAL_MEDIA.
- It is great to see our President Hibbett Neel intermingling with USDOT Secretary Foxx in the below picture from the ITE Community.
- On the ITE Community, please consider joining the Advocacy Network so that you will get regular updates there and also see your electronic ITE Connect Emailed newsletters.

L to R: Neel, ITE International President, Secretary Anthony Foxx, Rep. Bennie Thompson (D-MS)

**Upcoming Events**

- **June 19, 2014:** RSBITE Business/Election, Dave and Busters
This month RSBITE had the opportunity of teaming up with ASCE’s Riverside-San Bernardino Section in a joint meeting. The meeting took place at the Old Spaghetti Factory in Rancho Cucamonga with 48 people in attendance. The meeting was kicked off with words and announcements from President Jonathan Hofert and President Edwin Quinonez. This meeting’s announcements also included reminders about the upcoming officer elections and brief speeches from running candidates.

In this joint meeting we received an excellent presentation from ITE’s International Past President Zaki Mustafa where he discussed his experiences with complete streets. He began his presentation by reaffirming the audience that the work that we do as engineers has a direct impact on people health and the constituents in our communities. He emphasized how important it is to create and reestablish vibrant streets to our communities and to improve the standard of living for the people that use them. Providing places to eat, shop, and “hangout”, while making the streets accessible to bikes, cars, pedestrians, and transit were a few examples that Mr. Mustafa mentioned in order to achieve this goal. This is the vision that he had while leading various road improvements projects in the city of Los Angeles. In this improvement program in which Mr. Mustafa called the “Great Streets” the goals included improving economic activity within the city, improve accessibility and mobility, enhance neighborhood character, and inspire greater community engagement.

Mr. Mustafa used the National Association of City Transportation Officials Urban Streets Design Guide to assist in improving these streets. He stated that though the guidelines were not yet approved by AASHTO, they were still very resourceful as they put design of complete streets in “black and white”. He then began to touch on several improvement projects and how the Great Street’s goals and designs were incorporated into these projects. Mr. Mustafa provided the attendees with an in depth look at how a road diet and streetscaping project on South Broadway between 3rd and 4th St in the city of Los Angeles that converted the area into a place where people could sit and eat. He also introduced the very innovative concept that the city of Los Angeles calls a parklets, which replaces parking stalls in front of shops and restaurants making them decorated areas for recreational activities, sitting, and also eating.

Not only did Mr. Mustafa discuss the forward-thinking improvement project and how they were executed, but he also explained the challenges that were faced in constructing these projects. He described one project that caused a bit of controversy within the film industry. The project included painting and striping approximately 180 miles worth of bike lanes in downtown Los Angeles into a vibrant green color which Mr. Mustafa playfully calls his “Mountain Dew” color. Though the reasons for choosing such a paint color for this particular bike lane project was for a good and sincere cause, Mr. Mustafa admitted that the film industry expressed strong emotions against bike lane’s new color as it reflected a green hue on its surrounding making it difficult for cameras to capture quality film and photos throughout the city. The outcome led to the repainting of the bike lanes making them less vibrant to prevent them from emitting the green hue, which Mr. Mustafa took as lesson learned.

Mr. Mustafa’s presentation brought to light many new innovative ideas that we as engineers can use to inspire us to improve the quality of life for the communities that our work impacts. We also learned about the obstacles that we can avoid through the first-hand experiences of Mr. Mustafa. The meeting concluded with officers of ASCE-SBRiv and RSBITE taking a group photo to commemorate the first but hopefully not the last joint meeting.
Is It True That You Can Save Gas By Making Right Turns Only?

Alicia Arnold in her article titled, “Creativity: How Right Turns Saved One Company $3 Million”, talks about UPS and their efforts to save gas and reduce emissions. She mentions Scott Davis, Chairman & CEO of UPS, who describes the Right Turn Only Policy they have implemented. He said that they carefully map-out routes for all drivers to reduce the number of left-hand turns they make. In 2007 alone, this helped them shave nearly 30 million miles off already streamed delivery routes, saved 3 million gallons of gas, and reduced CO2 emissions by 32,000 metric tons.

In the episode of MythBusters: Right Turn Only MiniMyth, a team set out to test the myth that you can save gas by making right turns only. They planned two different routes with the same starting and ending point, where one route was made of mostly left turns and the other route was made of right turns only. Using a delivery vehicle, they drove the two different routes, and even though making right turns increased their travel time by 15% it also decreased the gas consumption by almost 40%.

As proved by the MythBusters, chances are high that you will save gas if you carefully plan your next trip to make right turns only. The idea is that you are reducing the stop-and-go maneuver and don’t have to accelerate from zero to speed limit so often when making a right turn.

Also, if you remember our last myth buster article in the RSBITE November 2013 Newsletter, we discussed the advantages of roundabouts and traffic circles over conventional stopped controlled intersections. With this in mind, since we can only make a right turn at roundabouts or traffic circles, are we saving gas and reducing CO2 emissions by implementing this design?

To Watch the MythBuster Video click on the link below:
http://videos.howstuffworks.com/discovery/43939-mythbusters-right-turn-only-minimyth-video.htm

-Antonio D. Salas
Newsletter Chair
CANDIDATE FOR RSBITE SECRETARY/TREASURER

Dear Colleagues, thank you for the opportunity to run for the position of Secretary/Treasurer of the Riverside San Bernardino Section of ITE (RSBITE).

I received my bachelors and masters degrees from the University of California, Berkeley and my Ph.D. from the University of Tennessee. I currently serve as Chief of the Traffic Division at the County of San Bernardino Department of Public Works. Prior to joining the County I served as Senior Project Manager and Regional Director for LIN Consulting, Inc where I managed their Tustin office. During 17 years of experience in professional practice and academia, I have prepared numerous traffic studies and managed several PS&E projects.

My involvement with ITE began during graduate school when I served as student chapter President for both the Cal and University of Tennessee chapters. Later, I served as Faculty advisor to the student chapter at the University of Missouri-Rolla. Now, I look forward to working with our incoming officers, John and Gianfranco. As you cast your ballots, I hope you will support Mark Spencer for Western ITE Secretary and Paula Benway for International Vice-President.

IF YOU ARE INTERESTED IN RUNNING, PLEASE CONTACT ANY BOARD MEMBER

CHECK OUT THESE JOB OPENINGS!

Traffic Engineering Manager
Irvine, CA

RBF Consulting, a Company of Michael Baker International, seeks a Traffic Engineering Manager (Project Manager III) to join our Traffic Engineering group in our Irvine, CA office. This leadership opportunity will accommodate continuing growth in Southern California and support the advancement of our ITS initiatives.

The Traffic Engineering Manager will be responsible for managing and leading the Traffic Engineering staff in the Irvine, CA office and collaborating with traffic staff in other California offices. In this position, the successful candidate will also be responsible for providing leadership in proposal preparation, interviews, technical direction and mentoring of staff.

The ideal candidate will have relevant experience in the planning, studies, analysis, design, and implementation of traffic related facilities for local government agencies, State DOTs, and private developers. In addition, the candidate should demonstrate strong experience in the area of planning, architecture, analysis, design and implementation of ITS solutions.

Requirements:
- B.S. in Civil Engineering or related field
- P.E. and T.E. license in the State of California
- PTOE certification a plus
- Minimum of 15 years of experience specific to traffic engineering and ITS
- Demonstrated supervisory and mentoring skills
- Experience in traffic engineering management and operations
- Strong presentation skills and proposal writing experience
- Strategic marketing skills to expand traffic engineering workload and revenue
- Knowledgeable on national traffic engineering initiatives
- Excellent problem-solving and communication skills
- Capacity to work in a dynamic environment and conduct multi-tasking efforts is essential

Baker offers excellent benefit packages that includes: Medical, Dental, Vision, Disability Insurance, Life Insurance, Flexible Spending Accounts, Additional Paid Time Off, Flex-Time, 401-K Retirement Plan, Tuition Reimbursement and Employee Credit Union. To learn more, please visit us on the web at www.mbakercorp.com/careers.

Baker is an EEO/AAP (M/F/V/H) e-Verify Employer
To apply for this position, please log on to www.mbakercorp.com/careers and reference IRC47561.
Traffic Engineer (Civil Engineer II)

Irvine, CA

RBF Consulting, a Company of Michael Baker International, seeks a Traffic Engineer (Civil Engineer II) to join our Traffic Engineering team in our Irvine, CA office. This opportunity will accommodate continuing growth in Southern California and support the advancement of our ITS initiatives.

The Traffic Engineer will be responsible for studying, analyzing, designing and delivering associated reports and plans to provide solutions for challenging issues for traffic and ITS projects. The ideal candidate will have relevant experience in planning, studies, analysis, design and implementation of traffic engineering solutions. In addition, the candidate should have some experience in the area of ITS planning, architecture, analysis and design.

Requirements:
- B.S. in Civil Engineering or related field
- Minimum of six (6) years of experience specific to traffic engineering and ITS
- PE license in the State of California
- Good problem solving and communication skills
- Able to work in a dynamic environment and multi-task
- Capability to work in a dynamic environment and conduct multi-tasking efforts is essential

Baker offers excellent benefit packages that includes: Medical, Dental, Vision, Disability Insurance, Life Insurance, Flexible Spending Accounts, Additional Paid Time Off, Flex-Time, 401-K Retirement Plan, Tuition Reimbursement and Employee Credit Union. To learn more, please visit us on the web at www.mbakercorp.com/careers.

Baker is an EEO/AAP (M/F/V/H) e-Verify Employer
To apply for this position, please log on to www.mbakercorp.com/careers select “Job Search” and reference IRC47647 in “Keywords”.

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