

February Panel Presentation: Regional Performance Measurement Efforts

Pannelists: Ellison Alegre (SANDAG), Tim Byrne (SANBAG),
Anup Kulkarni (OCTA), Eva Pan (METRO)

Performance metrics are critical for evaluating the overall system performance of any regional transportation system. It is clear that the traditional standalone roadway capacity improvements of the past are no longer the ideal solution to address arterial congestion. Agencies are becoming more interested in approaches that improve arterial operations by leveraging performance measures. Additionally, traffic engineers and planners can use performance measures to better manage signalized arterial roadways.

President's Address

Dear OCTEC Members,

Thank you to those who registered early for their OCTEC Membership. We had about 150 members sign-up in January. Membership is still open for those who have not renewed yet. For Student Membership, please contact Vikas Sharma if you are a Student Member (vikas.sharma@kimley-horn.com). We wanted to thank Paul Martin from OCTA on his presentation on Pedestrian Safety at our January meeting. It was great to get an update on the pedestrian issues the county faces, and the programs OCTA is implementing to address these issues.

This month, we are having our first Joint Meeting with ITS-CA Southern Section. This is a great opportunity for our membership to interact with ITS professionals in the industry. We typically have our Panel Series in April, but this was a great opportunity to bring in our partners at ITS-CA to present on Performance Measurement. We have a good line up for our panel, with representatives from four different counties in Southern California.

Lastly, we announced at the January meeting that we have updated the OCTEC By-Laws. They will be posted on the OCTEC website soon. In addition, we are also revising the registration date for future lunches to a week before our meetings. This will help the Board and Orange Hill restaurant plan lunches more effectively and also limit the additional expenses OCTEC has to make for "no-shows".

Thank you.

Regards,



Ed Alegre, OCTEC President 2015-2016



FEBRUARY JOINT MEETING W/ ITS CA SOUTHERN SECTION

February 25, 2016

11:30 AM to 1:00 PM

Orange Hill Restaurant
6410 E. Chapman Ave
Orange, CA 92869

Lunch Fees:

\$20 (Member) - Ends 2/18 @ 5 pm
\$25 (Non-Member) - Ends 2/18 @ 5 pm
Pay At the Door: \$30
Students: \$15

Please register via Eventbrite at:
<https://february-2016-joint-lunch-with-itsca.eventbrite.com>

If you have any questions, please contact
Vikas Sharma, at

THIS MONTH'S LUNCH IS SPONSORED BY:



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SPEAKER BIOS

James Dreisbach-Towle: Moderator, San Diego Association of Governments (SANDAG)

James holds the position of Principal Technology Program Manager for the San Diego Association of Governments (SANDAG) Intelligent Transportation Systems Division. Responsible for strategic planning, development, implementation, and deployment of numerous multi-million dollar projects and programs focused on advanced technology and business applications in the transportation sector.



James has over 30 years in Information Technology and transportation services with the last 12 years focused on Intelligent Transportation Systems (ITS) field. The ITS program at SANDAG has focused on systems that maximize the efficiency of existing transportation infrastructure including freeways, local streets, and transit. Some of the projects that James and the ITS team at SANDAG have developed in the last 12 years include a regional transit smart card payment platform, advanced traveler information through 511, transit management systems, train control systems, and most recently the Integrated Corridor Management System.

James holds a Bachelor of Science in Information Technology, Master of Business Administration with an emphasis in Technology Management, and is a certified Project Management Professional (PMP). James has served for the last four years as a member of the Board of Directors for the Intelligent Transportation Society of California (ITS CA).

Ellison Alegre, San Diego Association of Governments (SANDAG)

The San Diego Association of Governments (SANDAG) has been proactive using performance data for on-going regional monitoring and system/corridor management. Staff will discuss recent efforts in integrating transportation performance data into various system management projects and corridor operations in the San Diego region.



Mr. Alegre serves as project manager and lead technical staff for various ITS projects at the San Diego Association of Governments (SANDAG). His current work efforts have focused on system performance monitoring, multimodal corridor planning and operations, corridor system management, and toll enforcement and operations. Mr. Alegre is currently the project manager for the I-15 Violation Enforcement System Study and SANDAG's annual transportation performance monitoring report, the State of the Commute.

Mr. Alegre has over 16 years of experience in transportation planning, working with the California Dept. of Transportation (Caltrans) in the San Diego region (District 11), and most recently with SANDAG. Mr. Alegre holds a Master's Degree in Urban Planning from UCLA and Bachelor's Degrees in Environmental Studies & Economics from UC Santa Cruz and Mechanical Engineering from UC Berkeley.

SPEAKER BIOS (*Continued*)

Anup Kulkarni, Orange County Transportation Authority (OCTA)

The Orange County Transportation Authority (OCTA) several efforts to develop performance reports. This presentation highlights the Corridor Operational Performance Report that OCTA develops to summarize the operational performance of the Orange County corridors and to support the prioritization of future projects in the Regional Signal Synchronization Program.

Anup Kulkarni is the Section Manager for Regional Modeling and Traffic Operations at the Orange County Transportation Authority (OCTA). He has been at OCTA for fifteen years working in the field of Traffic and Transportation Engineering. He is a Civil Engineering graduate from the University of California, Irvine. Anup has experience working on a range of transportation projects including regional signal synchronization, travel demand modeling, the collection and processing of large amounts of traffic data, numerous traffic studies, and other related transportation projects.



Eva Pan, Los Angeles Metropolitan Transportation Authority (METRO)

Metro's Call For Projects Signal Synchronization and Bus Speed Improvement mode has invested over a billion dollars towards signal and ITS projects in Los Angeles County over the past 20 years. In the Fall of 2014, Metro launched a performance monitoring initiative to assess the feasibility of developing a Countywide Arterial Performance Measurement Program.

Eva Pan is a Transportation Planning Manager for the Los Angeles Metropolitan Transportation Authority. She has been at LA Metro for four years working on Signal Synchronization Improvement and ITS/Operational Improvement Projects. She received her Social Ecology Bachelor's Degrees from the University of California, Irvine and her Master's Degree in Environmental Planning from Cal State Fullerton.



Tim Byrne, San Bernardino Association of Governments (SANBAG)

Tim Byrne is the Chief of Planning at SANBAG. Tim obtained his Bachelor's and Master's degrees in Civil Engineering from UC Irvine in the early 1990's. Tim's over 20 years of experience includes 10 years at OCTA focusing on regional transportation modeling, 7 years in the private sector managing a wide variety of transportation planning projects and the past 3 years at SANBAG working on a wide variety of transportation and policy development projects.

In his tenure at SANBAG, Tim has reshaped how the agency satisfies Congestion Management Program requirements to monitor the transportation system.

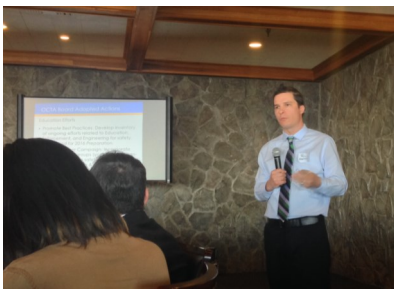
SANBAG shifted to the use of vehicle probe data and developed an online monitoring tool that allows for current and historical analysis of the system. Tim will provide an overview of this tool for us today.



January Presentation—Every Trip Starts with a Single Step

Presented by: Paul Martin, OCTA

Mr. Paul Martin (OCTA) provided a great presentation on Pedestrian Safety and the efforts OCTA is taking to address pedestrian-related issues at our January meeting. His presentation, titled Every Trip Starts with a Single Step, began with identifying some startling statistics on pedestrian fatalities in Orange County in recent years and provided information from activities around the County focused on improving pedestrian safety.



Mr. Martin identified several ongoing Pedestrian Safety Efforts underway with OCTA including: OCTA Safety Campaign, GIS Sidewalk Inventory Study, and the SCAG Go Human Campaign Collaboration. Some additional local agency actions on Pedestrian Safety include: San Clemente Pedestrian Master Plan, Garden Grove Open Streets Events, Irvine Safety Campaign, Mission Viejo Safe Route to School Study, Santa Ana Police Department In-School Safety Assemblies, and the Orange County Health Care Student Safety Training.

Looking for Job Opportunities, Have Job Opportunities, Want to get the latest newsletter?

Visit our website <http://octec.net> for job listings, newsletters, and presentations from meetings.

Please contact Ed Alegre or any Board member if you have any job listings that you want posted to the OCTEC website.

Job Announcements

There are several job postings on the OCTEC website:

- City of Rancho Palos Verdes
Senior Civil Engineer
- HDR
Senior Traffic Engineer/Project Manager
- RailPros
Civil / Traffic Designer
- Eberke Design, Inc./Reno A&E
- Experienced Salesperson
- Albert Grover and Associates
CAD Operations & Project Engineers
- RK Engineering Group, Inc.
Traffic/Transportation Engineer
- IBI Group
Transportation Engineer
- LSA Associates, Inc.
Transportation Planner/Engineer

ITS CA ANNUAL MEETING—SAVE THE DATE Sept. 19-21, 2016



WTS-OC presents: California Road Charge Pilot Program

On Wednesday, March 16th, WTS-OC will host a presentation on the California Road Charge Program, which is a statewide pilot program to explore road charging as a potential long-term replacement for the gas tax. The presentation will provide an overview of the program and how road users and transportation professionals can participate. [CLICK HERE](#)

LOCAL AND REGIONAL NEWS

OC Streetcar Rolls Ahead With Inclusion in Federal Budget [\[CLICK HERE\]](#)

The Orange County Streetcar Project, which is a 4.1 mile segment traveling through Santa Ana from the Santa Ana Regional Transportation Center connecting to a new multimodal transit hub at Harbor Boulevard/Westminster Avenue in Garden Grove, was included in President Obama's 2016-2017 budget. The OC Streetcar project is intended to provide easy connections for riders traveling from trains and buses to employment, retail and recreational areas in the heart of Orange County. The current construction schedule for the project would begin in late 2017 with service anticipated in 2020.

Two LACMTA Rail Projects Receive Federal Appropriations [\[CLICK HERE\]](#)

The U.S. Department of Transportation plans to award \$300 million to the Los Angeles County Metropolitan Transportation Authority (METRO) for two major rail projects in Los Angeles County. The two transit projects selected for award are the Regional Connector and the Westside Purple Line Extension (Sections 1 and 2), both of which are currently under construction. The Regional Connector project extends from the Gold Line Little Tokyo/Arts District Station to the 7th Street/Metro Center Station in downtown Los Angeles. The Westside Purple Line Extension is a rail project that extends Metro's rail line from the Wilshire/Western Station along Wilshire Boulevard out to Westwood at the VA Hospital near I-405/Wilshire Boulevard.

GPS Tracking Down to the Centimeter [\[CLICK HERE\]](#)

Researchers at the University of California, Riverside (UCR) have developed a new method for processing GPS data that enhances the accuracy as near as a few centimeters. The report indicates that this enhancement will be used in developing autonomous vehicles, as well as improvements to both air and naval navigation systems. The research, which was led by Jay Farrell, professor and chair of electrical and computer engineering, was recently published in IEEE's Transactions on Control Systems Technology.

Metro to Offer Free Rides on New Metro Gold Line Extension Opening March 5th [\[CLICK HERE\]](#)

Metro will provide free rides on the entire Metro Gold Line on Saturday, March 5th as Metro celebrates the official opening of Los Angeles County's newest rail line in the San Gabriel Valley. The free rides will begin at 12 noon and will last until midnight on Saturday, March 5th only on the Gold Line between East Los Angeles and Azusa. Several community events are also planned.

Tech Transfer Courses

Classes through April 2016 now open for enrollment

[TE-40 Multimodal Transportation Planning and Engineering](#)

March 8-10, 2016

Los Angeles

[TE-13 Synchro and SimTraffic](#)

March 15-16, 2016

Costa Mesa

[PL-11 Complete Streets Planning and Design](#)

June 15-16, 2016

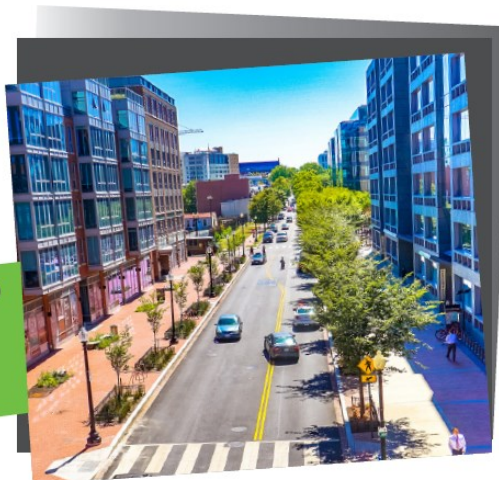
Los Angeles



PRESENTED BY
THE SOUTHERN CA CHAPTER OF AMERICAN PUBLIC WORKS ASSOCIATION

17TH ANNUAL COMPLETE STREETS & TECHNOLOGY CONFERENCE

SAVE THE DATE ✓
Wednesday
April 20, 2016
8 a.m. - 3:30 p.m.



ENGAGING TOPICS OF BENEFIT TO CURRENT PUBLIC WORKS PRACTITIONERS:

- Plans, Specifications and Estimates (PS&E)
- Mobile Computer Applications
- Construction Management Best Management Practices
- ADA Accessibility Compliance
- Pavement Management Advances
- Tech Tools for Operations Maintenance
- Green Streets and Water Quality
- 3 Complete Streets Sessions:
 - Active Transportation Funding & Safety
 - Sustainable Streetscapes
 - Complete Streets Stories

PLUS | BONUS LUNCH PRESENTATION



DETAILS

Carson Community Center
801 East Carson Street
Carson, CA 90745
Wednesday, April 20, 2016
8 a.m. - 3:30 p.m.



EXHIBITORS

If you are interested in being an Exhibitor, please contact:
Alan Rigg
(714) 890-4203
arigg@ci.stanton.ca.us



COST

\$145 Members
\$165 Non-Members
\$165 Walk-ins | \$525 Vendors
Students - FREE for the first 10 to register! (\$50 thereafter)

THIS MONTH'S NEWSLETTER IS SPONORED BY



Ideas
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OCTA | Northbound SR-55 Improvements Between I-405 and I-5, Orange County
hdrinc.com | 714.730.2300



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2015 -2016 Sponsors

OCTEC would like to give a special thanks to all of our generous sponsors!

Meeting Date

September 24, 2015

October 22, 2015
Joint Meeting—ITE SoCal

January 28, 2016

February 25, 2016
Joint Meeting—ITS CA

March 24, 2016

April 28, 2016

May 6, 2016

May 18, 2016

June 23, 2016

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SoCal ITE/OCTEC Student Night
(Knott's Berry Farm Resort Hotel)

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For more information and sponsorship opportunities, please contact Vikas Sharma at (213) 261-4050 or vikas.sharma@kimley-horn.com

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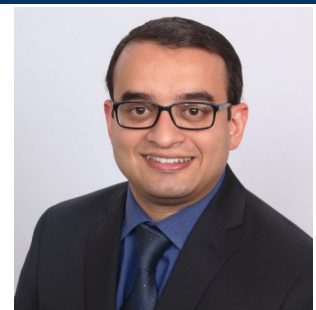
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