

February Presentation: Local ITS Deployments

Metro Blueline Improvements

Mr. Carl Hickman, President, City of Long Beach

Novel ITS for School Safety

Mr. Tam Tran, City of Carlsbad

ITS Deployments Overview

City of Irvine

Moderator: Ms. Alicia Yang, OCTA

At this month's Joint Meeting between OCTEC and ITS CA, **Alicia Yang of OCTA** will lead a discussion with a panel of speakers representing local agencies on local ITS deployments.



Alicia Yang, PE

Speak Bios

Carl Hickman is the City Traffic Engineer at The City of Long Beach. He has managed many ITS related projects over the course of his 19 year Traffic Engineering career. He currently manages the Transportation and Mobility Bureau that focuses on Multi-modal Transportation Projects that improve the level of safety for all roadway users.

Mr. Hickman has worked previously at multiple agencies in the San Diego area and he holds a Bachelors in Civil Engineering from San Diego State University. He is licensed as both a Civil and Traffic Engineer in the State of California .

Tam Tran is the City of Carlsbad's Traffic System Operation Specialist for the City of Carlsbad. Tam graduated from San Diego State University with a Bachelor's degree in Civil Engineer. He has 11 years of experience in Traffic System Management and ITS deployments. Some of the ITS technology that Tam deployed include Traveler Measurement System (BlueTOAD), ATC 2070 Traffic Signal Controller, ATC Signal Cabinet, Video Management System, Fiber Communication, Incident Management, Radar Speed Feedback Signs, School Flashing Beacons System Management.



Tam Tran

Tam has a passion for technology and believes in collaboration in technology such as Open MIBS, API, and integration.

February Joint Meeting with ITS Southern CA

February 27, 2020

11:30 AM to 1:00 PM

Orange County Mining Co
10000 S Crawford Cyn Rd
Orange, CA 92705

Lunch Fees:

Member (by 2/24 5 PM): \$20
Non-Member (by 2/24 5 PM): \$25
Student (by 2/24 5 PM): \$10
Pay at the Door: \$30

Please register via Eventbrite at:

https://octec_its-ca_feb2020-jointluncheon.eventbrite.com

If you have any questions, please contact Ryan Calad, at ryan.calad@mbakerintl.com

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JANUARY LUNCHEON RECAP



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LOCAL, REGIONAL & NATIONAL NEWS

OC Transportation Authority seeks community input on transportation needs

The Orange County Transportation Authority is conducting an online survey to gain better insight into how people living in Orange County are changing the way they get around the county.

The Transportation Needs Assessment Survey is intended to gauge people's opinions on the current public transit system and help shape future transportation planning in Orange County. [\[Continue here\]](#)

Caltrans identifies sites, many near freeways, for emergency homeless shelters

Small, undeveloped pieces of Caltrans property near freeway ramps and interchanges account for all but one of nine state-owned sites in Orange County identified Friday as spots where emergency shelters could be placed.

The one exception: the state-owned Fairview Developmental Center in Costa Mesa, where earlier this month only two residents remained in the cluster of buildings designed to hold hundreds of people with developmental and intellectual disabilities. [\[Continue here\]](#)

Revamped Calif. station to enhance pedestrian safety

State and local leaders joined SANDAG, the North County Transit District (NCTD), and Caltrans to celebrate the completion of the Poinsettia Station Improvements project with a ribbon cutting ceremony at the station's new underground rail crossing.

The Carlsbad Poinsettia Station improvements include new shelter enhancements, a pedestrian undercrossing, lengthened passenger platforms, fencing between tracks for added safety, and better customer amenities. The project broke ground in April 2018 and has improved regional train service, traveler times, and customer safety. [\[Continue here\]](#)

Here's What Happens When Public Transit Is Free

Candria Gray and her two children live in Worcester, Massachusetts, where they rely on city buses to get nearly everywhere: college classes, elementary school, the pediatrician's office. By 2017, when the Worcester Regional Transit Authority raised fares from \$1.50 per ride to \$1.75, Gray was spending as much as \$12 a day on transit — a good chunk of her budget as a single mom. And the increased fare was not accompanied by improved service. [\[Continue here\]](#)

New USDOT Infrastructure Grants

On February 19, USDOT published an invitation to apply for discretionary grant funding through the \$1 billion BUILD Program. These grants are for planning and capital investments in surface transportation infrastructure that will have a significant local or regional impact. BUILD funding can support roads, bridges, transit, rail, ports or intermodal transportation. Projects will be evaluated competitively based on: safety, economic competitiveness, quality of life, environmental sustainability, state of good repair, innovation, and partnership. Maximum grant award is \$25 million. [\[Continue here\]](#)

'The Survival of Our Region' Depends on Addressing Housing Crisis: A Q&A With Kome Ajise

Orange County cities have been pushing back on new regional quotas that significantly expand affordable housing goals for the next ten years, as the state puts pressure on them to address the housing shortage by zoning for new construction.

Uproar from some city officials started after the Southern California Association of Governments (SCAG) board — made of city and county elected officials — approved a draft plan in November to increase housing targets for certain cities in OC, like Newport Beach and Irvine. It stems from a state requirement that cities within the six-county region of SCAG zone for 1.3 million units of new housing over the next 10 years. [\[Continue here\]](#)

Paying for the Senate Highway Bill Would Require Additional \$102 Billion

Jeff Davis takes a closer look at the Congressional Budget Office's updated forecast of the Highway Trust Fund cash flow and the added cost of the Senate Environment and Public Works Committee's highway bill, S. 2302, introduced by Senator John Barrasso.

"That new CBO baseline estimates that over the next five years, the Highway Trust Fund will need about \$72 billion in new revenues or transfers in order to keep paying its bills, assuming current tax rates and the 2020 spending levels given annual inflation increases," says Davis. [\[Continue here\]](#)

How high-tech tools can help improve transit access and accessibility

I remember my first computer; it was during my freshman year of college (circa 1985) and had 128 KB of memory, a built-in keyboard and a micro-cassette drive for storage. I also had a dot-matrix IBM printer that could print one page per minute. I felt fortunate to have this system because it made me "cool," and it made me more productive than I ever could have been with my mom's old Smith Corona typewriter and my old American Printing House for the Blind cassette recorder. [\[Continue here\]](#)

North America's largest hydrogen bus station opens in California February 11, 2020

A zero-emission fuel is now powering Orange County Transportation Authority (OCTA) buses in Santa Ana, California, thanks to the largest hydrogen transit fueling station in North America, which was jointly developed by Trillium, Air Products, the Center for Transportation and the Environment (CTE), OCTA, California Air Resources Board (CARB), South Coast Air Quality Management District (SCAQMD), Ballard Fuel Systems and New Flyer. [\[Continue here\]](#)

JOB ANNOUNCEMENTS

EPD Solutions

EPD Solutions is now seeking an assistant transportation planner/GIS analyst. The ideal candidate will have 2-4 years of experience in transportation planning with working knowledge of GIS (ESRI ArcGIS experience preferred).

To apply, please e-mail resume to info@epdsolutions.com.

Econolite

Econolite is now seeking a field service engineer. The Field Services Representative (FSR) exists to deliver world-class customer service to our customers. As a key component of the Econolite relationship team, FSR's work closely with the Sales team to successfully deliver and implement Econolite solutions. FSR's routinely provide technical enrichment to customers. As recognized subject matter experts, Field Service Technicians consult with clients about their needs and provide input to the sales

For more information, please email Jon Gaunt at jGaunt@econolite.com

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ADVANTEC Consulting Engineers is a professional civil and traffic engineering firm specializing in planning, design, and implementation of Roadways, Freeways, Interchanges, Intelligent Transportation Systems (ITS), Traffic Engineering, and Transportation Planning. ADVANTEC's multi-disciplined staff includes civil, electrical, and traffic engineering personnel. ADVANTEC Consulting Engineers has the following positions:

ITS Project Engineer/System Engineer (Irvine and Diamond Bar Offices)

You will work on interesting projects involving ITS, traffic signal synchronization, traffic engineering, and other interesting disciplines. You will be given training in broad technical disciplines and project management, with great career advancement opportunities! Requires suitable degree and with 5+ years of experience. EIT preferred, Professional Engineer license a plus!

Senior Public Works/Highway Engineer (Irvine and Diamond Bar Offices)

You will be managing interesting projects involving civil engi-

neering, highways engineering, public works design, traffic engineering, and other interesting disciplines. You will be given training in business development and business management with great career advancement opportunities! Requires suitable degree with 10+ years of experience. Professional Engineer (Civil or Electrical) license preferred.

Mid-Level Engineers and Planners (Irvine and Diamond Bar and Downtown Los Angeles Offices)

You will work on interesting projects involving civil engineering, traffic engineering, Intelligent Transportation Systems, public works design, and other interesting disciplines. You will be given training in broad technical disciplines and project management, with great career advancement opportunities! Requires suitable degree and with 3+ years of experience. EIT preferred, Professional Engineer license a plus!

Entry-Level Engineers and Planners (Irvine & Diamond Bar Offices)

We are looking for the brightest civil engineering graduates and student interns with good engineering sense and strong technical skills. Interest to learn and stay on the cutting edge of engineering technology is a must. You will receive training to become the best in the profession and be well rewarded for it!

For more information, please visit www.advantec-usa.com/careers/. Interested candidates shall email resumes and cover letters to HR@advantec-usa.com.

Please contact [Kristin Tso](mailto:Kristin.Tso@advantec-usa.com) or any Board member if you have any job listings that you would like posted to the OCTEC website or included in the next month's OCTEC newsletter.

Visit our [WEBSITE](http://www.octec.org) for the latest job posts, newsletters, and presentations from current and past meetings.

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Please contact ryan.calad@mbakerintl.com or any Board member for more information.

JOB ANNOUNCEMENTS



EXPLORE CAREERS IN TRANSPORTATION THIS SUMMER!

COMTO's Careers in Transportation for Youth (CITY) Internship Program provides minority college juniors and seniors with a unique opportunity to gain professional and practical experience in the transportation industry. Through the CITY Program, COMTO seeks to prepare the best and brightest to become leaders, decision makers, and change agents in the transportation industry. Interns will work, learn, and gain professional development and team-leading experience at transportation agencies or businesses, while exploring careers within the industry.



PROGRAM HISTORY

In 2004, COMTO partnered with the Federal Transit Administration (FTA) to develop the Careers In Transportation for Youth (CITY) Internship Program to provide minority college students with an opportunity to explore careers in public transportation. Since its inaugural year, the CITY Internship Program has evolved into a 10-week paid summer internship program. The program is funded through contributions from public and private sector entities (hereinafter referred to as "Internship Hosts") who sponsor and host CITY Interns at their place of business.

PROGRAM OBJECTIVES:

- ▶ Expose the students to opportunities in the public and private sector
- ▶ Give them the tools to be successful in their careers and the workforce
- ▶ Explaining what this industry does and how it improves and influences a community
- ▶ Show how the industry has changed over the years and develop new and innovative ways to make a difference.

INTERN QUALIFICATIONS

- ▶ U.S. Citizen or authorized to work in the U.S.
- ▶ Belong to an under-represented or minority group
- ▶ Rising college junior or senior currently enrolled full-time and planning to enroll full-time next fall at an accredited institution of higher education
- ▶ Minimum GPA of 3.0
- ▶ Able to successfully pass a background check
- ▶ Reside or attend school in/near the internship location – Available to attend Annual COMTO National Meeting & Training Conference in July

INTERNSHIP COMPONENTS

- ▶ COMTO Membership
- ▶ Leadership Webinars
- ▶ Mentoring by Industry Leaders
- ▶ Shadowing Opportunities
- ▶ Networking with Industry Professionals
- ▶ Professional Development Trainings
- ▶ 4-Day COMTO National Meeting and Training Conference
- ▶ Local Chapter Meetings and Activities
- ▶ Evaluations
- ▶ Closing Recognition
- ▶ Alumni Program

FIELDS OF STUDY

- ▶ Environmental Policy and Planning
- ▶ Civil Engineering
- ▶ Electrical Engineering
- ▶ Mechanical Engineering
- ▶ Transportation Engineering
- ▶ Business
- ▶ Finance
- ▶ Communications
- ▶ Human Resource Management
- ▶ Computer Science
- ▶ Law and Political Science
- ▶ Transportation Related Disciplines

OCTEC ANNOUNCEMENT

OCTEC SPRING SOCIAL

CHEERS TO A BREWTFUL
SPRING!



Wednesday March 11, 2020
5:30 PM - 7:30 PM



Native Son Alehouse
305 East 4th Street, #200
Santa Ana, CA 92701



[Register Here](#)

Price includes entry, 2 drink tickets, and appetizers

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

Meeting Date

September 26, 2019

October 24, 2019
Joint Meeting — ITE SoCal

January 23, 2020

February 27, 2020

March 26, 2020

April 23, 2020

May 1, 2020-OCTEC Golf Tournament

TBD-SoCal ITE/OCTEC Student Chapter Night

June 25, 2020

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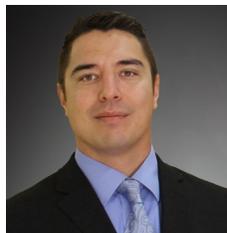
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OCTEC ANNOUNCEMENT



ANNUAL



GOLF TOURNAMENT

FRIDAY, MAY 1, 2020

BEST BALL SCRAMBLE
SHOTGUN START AT 8:00 AM
REPORT IN BY 7:30 AM

GREEN RIVER GOLF CLUB
5215 GREEN RIVER ROAD, CORONA, CA
91 Freeway off at Green River Road

Telephone (951) 737-7393 or (714) 970-8411
Please Dress Appropriately, No Denim or Tank Tops

\$90.00 ENTRY FEE INCLUDES CART
GRAB 'n Go BREAKFAST & BUFFET LUNCH
PLEASE HAVE ENTRIES IN PRIOR TO MONDAY, APRIL 27, 2020

*** MAIL ENTRIES TO: Ron Keith ***

C/o Advantec Consulting Engineers

1200 Roosevelt

Irvine, CA 92620

Telephone (949) 861-4999

rkeith@advantec-usa.com

*** MAKE CHECKS PAYABLE TO: O.C.T.E.C. ***

Table with 3 columns: NAMES, AGENCY OR COMPANY, PHONE. Includes a header row and four empty rows for data entry.

Please print clearly and provide e-mail address for each player if possible.
Pay on-line (includes fee) to Eventbrite: http://octec-golf2020.eventbrite.com

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OCTEC / ITE GOLF TOURNAMENT

FRIDAY - MAY 1, 2020

Sponsorship Form – Only

GREEN RIVER GOLF CLUB

5215 GREEN RIVER ROAD, CORONA, CA

SR – 91 Freeway Off Ramp at Green River Road

Telephone (951) 737-7393 or (714) 970 – 8411

\$375 HOLE OR SPECIALTY SPONSORSHIP DONATION INCLUDES SIGN AT TEE BOX

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PLEASE HAVE DONATIONS AND ARTWORK TO RON KEITH BY APRIL 10, 2020

Pay on the Internet – <http://octec-Golf2020.eventbrite.com> or send to

Ron Keith at Advantec Consulting Engineers, 1200 Roosevelt, Irvine, CA 92620.

Make checks payable to OCTEC and note 2020 Golf on comment line

COMPANY NAME		ADDRESS		PHONE		INTERNET	
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