

EDUCATION  
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# OCTEC Bazette

The Official Newsletter of  
the Orange County Traffic  
Engineering Council

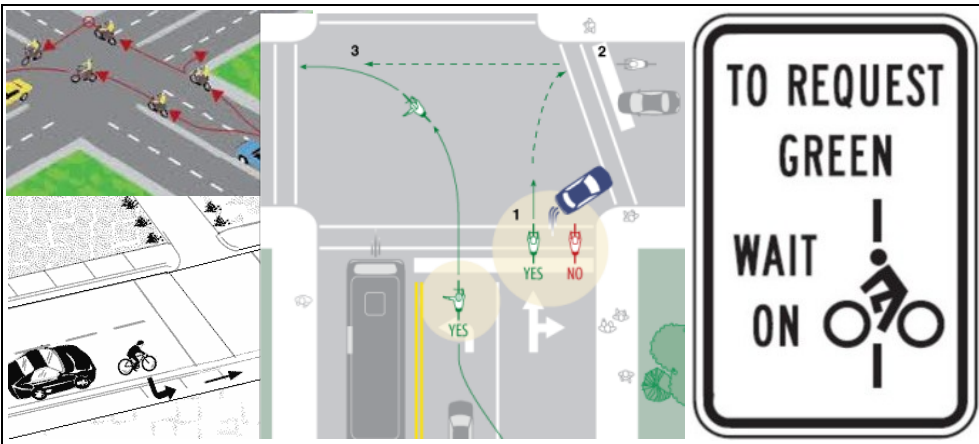
2013-2014 – Issue 2  
October 2013

## Our October Program: DYNAMIC INTERSECTION CLEARANCE, UTILIZING TECHNOLOGY TO THINK “INSIDE THE BOX”

By Mark Esposito, Senior Engineer at Hartzog & Crabill, Inc.

### Program:

Mark Esposito will present Dynamic Intersection Clearance, utilizing technology to think “inside the box”. Hartzog & Crabill, Inc. and the City of Tustin experimented with a new detection concept to address bicycle detection at signalized intersections. The detection concept was to look inside the intersection or “the box” and to dynamically extend both bicycles and vehicles through the intersection. Two distinct advantages are realized by using this technique including increased bicycle safety and improved intersection efficiency. The results are in and the City of Tustin is planning on moving beyond experimentation and moving to full deployment at several intersections.



Mark Esposito is a Senior Traffic Engineer with Hartzog & Crabill, Inc. (HCI) and has focused on providing traffic signal operations and design services to the Southern California region for the past 20 years. His in-depth knowledge of traffic signals and traffic signal systems has proven to be a valuable resource to the many agencies that HCI provides on-call traffic engineering services to. He is currently the Project Manager for a number of traffic signal synchronization projects in Orange County, and has managed several signal synchronization projects over the years.



### OCTOBER MEETING

Join us:

Orange Hill Restaurant  
October 24, 2013  
11:30 AM – 1:00 PM

6410 East Chapman Avenue  
Orange, CA 92869  
714/997.2910

Student Members: \$15  
Members: \$20  
Non-Members: \$25  
\$30 at the door without an RSVP for all attendees

Please go to: [https://  
octecoctober2013.eventbrite.com/](https://octecoctober2013.eventbrite.com/)

If you have questions, please contact  
[Keith Rand](#)

### THIS MONTH'S LUNCH IS SPONSORED BY:



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## PREVIOUS MEETING'S RECAP



*Over 100 engineering professionals turned up on Thursday, September 26, 2013 luncheon meeting to kick-off OCTEC's 2013-2014 year. Dennis Mak (pictured on the left) presented a great recap of the West County Connectors project, which included multiple pictures from OCTA's perspective and lessons learned.*



*OCTEC's third and final Project of the Year award was presented to the City of Buena Park for their successful cooperation with Caltrans to install fiber optic communications for use by both agencies. Congratulations to Mr. Dennis Barnes (receiving an award from 2nd Past President, Ramin Massoumi on the left), Albert Grover & Associates, and Crosstown Electric & Data for their efforts.*

*OCTEC also hosted another successful social mixer at Dave and Buster on Thursday, October 10, 2013. With over 50 guests, this mixer was our largest to date. Thank you to all our sponsors (Platinum: CT West and Econolite; Gold: FPL and Associates, Inc and KOA Corporation; and Giveaways: Albert Grover & Associates, Econolite, Kunzman Associates, Inc, W.G. Zimmerman Engineering, Inc, and Makers' Mark).*



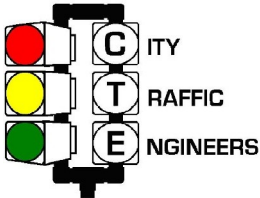
*Thank you to Monica Suter, Leo Lee, and Eunise Reynon for the meeting and social pictures.*



**HAPPENINGS...**

## 2013 TRAFFIC COMMISSIONERS WORKSHOP

Saturday, October 26, 2013 @ Heritage Hall in Buena Park, CA



The agenda includes Fundamentals of Traffic Engineering (Signs, Markings, Signals, CVC, Speed Limits, and Warrants), Neighborhood Traffic Calming, Complete Streets, School Area Traffic Safety, Transportation Planning, Brown Act, Robert's Rules and Legal Issues.

Questions? Contact Eric Dunlap at [edunlap@dpw.lacounty.gov](mailto:edunlap@dpw.lacounty.gov) or Scott Ma at [sma@hartzog-crabill.com](mailto:sma@hartzog-crabill.com)

## HIGH SPEED RAIL CONFERENCE

When: November 5-7, 2013 @ Los Angeles Metro Headquarters

**\$6 Billion CA High Speed Rail Phase 1 Moving Forward**

US High Speed Rail Association

Register EARLY and SAVE: <http://www.usshr.com/>

Questions? Comments? Contact David Schwegel at 425-466-5677 or [DavidMSchwegel@aol.com](mailto:DavidMSchwegel@aol.com)

# You are not alone

## Do you recognize these challenges?

- Planning, designing or implementing complex projects
- Integrating new technology and software with legacy systems
- Projects that cross multiple engineering disciplines
- Meeting expectations in a complex, multi-stakeholder environment
- Projects with organizational changes or business process re-engineering

## Join colleagues facing similar challenges

Share your successes and challenges – and how *Systems Engineering* can untangle complexity, reduce risk and optimize value

The *Transportation Working Group* presents a networking event at the INCOSE International Workshop 2014

Tuesday, January 28<sup>th</sup>, 2014 | Los Angeles, California

Networking opportunities – Guest speakers – Facilitated discussions



The INCOSE Transportation Working Group (TWG) was established in 2006. Its mission is to promote the development and tailored application of Systems Engineering to ground transportation systems: with emphasis on road, rail, bus, and metro.

The International Council on Systems Engineering (INCOSE) is a non-profit membership organization dedicated to the advancement of Systems Engineering.

Share your story – contact Jenn or Simon for speaking opportunities, or questions

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(646) 724-8912

INCOSE IW14 website and registration details:  
<http://www.incose.org/newsevents/events/details.aspx?id=195>

**This month's newsletter is brought to you by:**



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# Thank you for making OCTEC a success!

OCTEC would like to give a special thanks to all of our generous 2013/2014 sponsors!

### Newsletter Sponsors

### Meeting Sponsors

September 26, 2013

Hartzog & Crabill  
URS Corporation

October 24, 2013

Albert Grover & Associates  
DDL Traffic

November 2013

No meeting, no newsletter

n/a

December 2013

No meeting, no newsletter

n/a

January 23, 2014

Econolite  
RBF Consulting A Baker Company

February 27, 2014

ADVANTEC Consulting Engineers  
W.G. Zimmerman Engineering

March 27, 2014

FPL and Associates  
Minagar & Associates

April 24, 2014

Iteris, Inc.  
Kimley-Horn Associates

May 9, 2014

OCTEC/ITE Golf Tournament

*Sponsorship opportunities available*

May 21, 2014

OCTEC/ITE Joint Meeting—Student Night n/a

June 26, 2014

Kunzman Associates  
National Data & Surveying Services

July 2014

No meeting, no newsletter

n/a

August 2014

No meeting, no newsletter

n/a

For more information and sponsorship opportunities, please contact Keith Rand, Sponsorship/Membership Coordinator, (714) 433-7665 [keith.rand@urs.com](mailto:keith.rand@urs.com)

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