

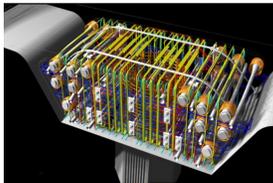
APRIL PRESENTATION:

Presentation - The Future of Infrastructure Engineering

David Woo, PE

Founder/President, AYCE Consulting Engineers, Inc

The presentation takes an in depth look into the benefits of building Interactive Digital Twins using Digital 3D modeling for Civil Engineering and Environmental Engineering Infrastructures.



Speaker Bio:



David Woo PE, native of Anaheim, California, discovered his passion for civil engineering at age six during a visit to the Golden Gate Bridge. Pursuing this passion, he studied civil engineering at UC Irvine while working as a hand-drafter for the City of Santa Ana Public Works Agency.

After graduating in 1990, David joined Tudor Engineering Company, focusing on roadway and bridge design, first projects being the new SR-261 and SR-71 toll roads in Orange County, using beta version of MicroStation/Inroads CADD and 3D modeling technology. While working full time, he also enhanced his credentials with a master's in civil engineering from UC Irvine.

Right after obtaining his Master's, David left SoCal and Journeyed to the Rockies to become a ski instructor before returning to engineering with Parsons Brinckerhoff (now WSP) in Las Vegas, then moving to PBS&J (now Atkins) Las Vegas, and later HNTB back in Santa Ana, specializing in freeway design and mentorship in 3D modeling. In 2015, he co-founded AYCE Consulting Engineers, Inc., based in Santa Ana, where he leads as President, focusing on highway/roadway design, construction management, and Interactive Digital Twin Production for local agencies. AYCE Inc. is one of the only Interactive Digital Twin Studios in Southern California.

April Luncheon:

OCTEC Luncheon

Thursday, April 25, 2024
11:00 AM to 1:00 PM

Orange County Mining Co

10000 S Crawford Canyon Rd
Orange, CA 92705

Lunch Fees:

OCTEC Member: \$20

Non-Member: \$25

Student: \$10

At-the-door: \$30

Please register via Eventbrite at:

[OCTEC April 2024 Luncheon](#)

If you have any questions, please contact **Mai Vang**, at mvang@cityofirvine.org

Refunds will only be issued up to 4/24/2024

THIS MONTH'S LUNCH IS SPONSORED BY:



Inside this issue:

Program, Speaker Bio	1
March 2024 Meeting Recap	2
Golf Tournament, Membership	3
ITE SoCal and OCTEC 2024 Spring Social Mixer Recap, Elections	4
Local, Regional, & National News	5
Job Announcements	6
Job Announcements Continued, Call for Volunteers, Upcoming Events	7
April Newsletter Sponsors	8
Sponsors and OCTEC Officers	9

MARCH 2024 MEETING RECAP

The fifth OCTEC luncheon of the 2023-2024 year was held on Thursday, March 28, 2024 at the Orange County Mining Co. The topic was *Covering Your Assets: Using GIS for Traffic Signal, Fiber, and School Zone Inventory, Assessment and Management* and was presented by Ryan Calad. The presentation went through several projects that utilized GIS to track and maintain traffic signal and signing and striping infrastructure for local agencies. For those who were unable to attend please feel free to e-mail any of the Board members and the presentation slides can be made available.



OCTEC 2024 Golf Tournament

OCTEC ANNUAL GOLF TOURNAMENT FRIDAY – MAY 3, 2024

Entry Fees:

4 Some Cart & Food \$600 **1 Foursome Still Available!**

~~2 Some Cart & Food \$300~~

Sponsorship Opportunities:

~~Diamond* \$3,000 (Includes 2 4 Somes)~~

Diamond* \$1,700 (Sponsorship Only, No Golf)

~~Platinum* \$2,000 (Includes 1 4 Some)~~

Platinum* \$1,500 (Sponsorship Only, No Golf)

Gold \$1,200 (Sponsorship Only, No Golf)

Silver \$1,000 (Sponsorship Only, No Golf)

*\$1,000 If Sponsoring – 2nd or 3rd 4 Some may be requested and approved at discretion of Golf Committee

Sponsorship Opportunities:

~~Towels \$900 (company logo screened)~~

~~Carts \$800 (company logo printed on cart)~~

~~Luncheon \$600 (company logo on Sponsor~~

~~Board and recognition at Lunch)~~

Closest-To-Pin/Long Drive Men/Long Drive Ladies

\$550 (company logo at Tee Box)

Hole \$450 (company logo at Tee Box)

~~Breakfast \$300 (Grab n' Go Breakfast with~~

~~coffee & pastries)~~

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

Please Dress Appropriately, No Denim or Tank Tops



29082 TIJERAS CREEK

RANCHO SANTA MARGARITA, CA

(949) 589-9793

- I-5 OFF AT OSO PARKWAY
- THEN EASY TO ANTONIO PARKWAY
- THEN NORTH TO TIJERAS CREEK
- THEN WEST TO CLUB HOUSE (5 MILES)

PLEASE E-MAIL **MICHAEL PLOTNIK** (mplotnik@lahabra.ca.gov) WITH YOUR ENTRY FEE AND/OR SPONSORSHIP OPPORTUNITIES AND AN INVOICE WILL BE PROVIDED. PLEASE LET US KNOW IF YOU WILL BE PAYING BY CHECK OR CREDIT CARD.

Membership

OCTEC 2024 Membership Registration is still open! Please register [here!](#)

Become A Member

ITE SOCAL AND OCTEC 2024 SPRING SOCIAL MIXER RECAP

OCTEC and ITE SoCal held a joint Spring Social Mixer this past Thursday April 18. The event was held at Rock & Brews Buena Park and was a great opportunity to meet up with fellow traffic engineers in the Los Angeles and Orange County area while enjoying appetizers and good conversations. We look forward to seeing you at the next social event!



ELECTION TIME... RUN FOR THE BOARD!

We are currently accepting all nominations for the Sponsorship/Membership Coordinator position on the OCTEC Board for the upcoming 2024-2025 year. Have you always wanted to be on the Board? There is nothing more fulfilling than giving back to your organization. Please contact any of the Board members to nominate a candidate or to learn more about the position. We would love to have you join the Board.

As a reminder, only OCTEC Members will be allowed to vote in June 2024 for the election!



LOCAL, REGIONAL, & NATIONAL NEWS

High-speed rail system from Las Vegas to Southern California breaks ground

Officials broke ground Monday on a new high-speed rail system that will connect Southern California and Las Vegas.

The Brightline West system will average speeds of about 115 miles per hour and reach a top speed of around 200 mph, comparable to other high-speed systems around the world. The Eurostar between London and Paris averages speeds of about 150 mph and tops out at around 200 mph. Amtrak's current Acela line from Boston to Washington, D.C., travels up to 150 mph, but averages speeds of just 70 mph. Acela has plans for a high-speed fleet that will reach 160 mph...

[\[Continue here\]](#)

The Old Road, used when The Grapevine is closed, set for \$250 million widening

When the Route Fire burned about 5,000 acres near Castaic in August 2022, prompting closure of the 5 Freeway at The Grapevine followed by weeks of lane closures for repairs, motorists exited onto The Old Road detour, bringing traffic misery to the Santa Clarita Valley.

Detours from the primary north-south freeway link between Southern and Northern California also occur during snowstorms, fog, flooding and road work, repeating the scenario ad nauseam with miles of snarled traffic both on the freeway and along the deteriorating side road...

[\[Continue here\]](#)

Pedestrian bridge over 5 Freeway in Irvine to be open for public use by early 2026

In two years runners, cyclists, walkers and dogs alike will be able to traverse a pedestrian bridge over the 5 Freeway, part of the final stretch of the Jeffrey Open Space Trail in Irvine.

The JOST already stretches 3.5 miles, cutting through the center of the city adjacent to Jeffrey Road. The city aims to complete a 1.5-mile extension running from Barranca Parkway to the 5, the pedestrian bridge a part of that extension...

[\[Continue here\]](#)

OCTA Encourages Public to Join Listening Sessions on Coastal Rail Resiliency

ORANGE – OCTA is seeking additional public input on a study to find solutions for protecting the rail line and preventing additional emergencies along the coast in San Clemente.

Two public meetings are scheduled – one virtually and the second in person – to gather feedback on the Coastal Rail Resiliency Study and an initial assessment that identified sites along the coastal rail line recommended for monitoring and reinforcement...

[\[Continue here\]](#)

SCAG REGIONAL COUNCIL APPROVES CONNECT SOCAL 2024, SOUTHERN CALIFORNIA'S REGIONAL PLAN

The Southern California Association of Governments (SCAG) Regional Council on Thursday formally adopted the Connect SoCal 2024 Regional Transportation Plan/Sustainable Communities Strategy, a long-term vision to balance future mobility and housing needs with economic and environmental goals over the next 25 years.

If fully implemented, Connect SoCal 2024 would reduce traffic congestion, improve air quality and improve the region's long-term economic viability through more than \$751 billion in transportation investments and a more sustainable regional development pattern. Notable in this plan update are new strategies for addressing the housing crisis, adapting to climate change and investing in underserved communities...

[\[Continue here\]](#)

Topanga Canyon Boulevard landslide likely won't be cleared until fall

State Route 27, aka Topanga Canyon Boulevard, remains closed from Grand View Drive to Pacific Coast Highway after dirt, mud and rocks weighing an estimated 9.2 million pounds tumbled down a hillside onto the two-lane road during Southern California's winter storms. At about 80,000 cubic yards, that's enough to fill 5,500 dump trucks, Caltrans said...

[\[Continue here\]](#)

JOB ANNOUNCEMENTS



The City of Fullerton is currently seeking a motivated, innovative and experienced City Traffic Engineer to manage the staff and activities of the Traffic Engineering Section within the Engineering Division of the Public Works Department. The selected candidate will have the opportunity to participate in long and short-term transportation planning, multi-modal safety, design, construction, permitting, right-of-way, and other programs. The ideal candidate will have a strong sense of ingenuity and attention to detail along with knowledge in traffic engineering and transportation principals with a forward-vision capacity

<https://www.governmentjobs.com/careers/fullerton/jobs/4347186/city-traffic-engineer?pagetype=jobOpportunitiesJobs>



STC is looking for a full-time civil engineer reporting directly to the Principal Manager at our office located at 5973 Avenida Encinas Suite #218, Carlsbad, CA 92008.

<https://www.stctrffic.com/careers.html>



The City of Newport Beach seeks a Public Works Technical Aide - P/T to perform a variety of responsible engineering support activities and provide information and assistance to the public and staff regarding departmental policies and procedures. It is a great opportunity for current college students studying Civil Engineering to gain hands-on experience in their desired field.

<https://www.governmentjobs.com/careers/newportbeach/jobs/4468313/public-works-technical-aide-p-t>



Minagar & Associates has two immediate openings in it's Orange County, CA office:

- Senior Traffic/Transportation Engineer
- Entry Level Transportation Engineer

Please respond by sending your resume confidentially to minagarf@minagarinc.com ASAP for an interview.



The City of La Habra is recruiting to fill the position of Principal Engineer in the Engineering Division of the Public Works Department. This position is an exempt management at-will position which reports to the Deputy Director of Public Works/City Engineer.

<https://www.governmentjobs.com/careers/lahabra/jobs/4462010/principal-engineer?pagetype=jobOpportunitiesJobs>

WGZE

At **W.G. Zimmerman Engineering, Inc.**, our mission is ““To provide civil, transportation, and traffic, engineering services as well as project management and staff augmentation services to assist local agencies achieve their goals”. Current opening exists for a Civil Engineer/Traffic Engineer. Interested candidates please submit your resumes to: cgallen@wgze.com



The City of Anaheim Public Works Department is seeking a motivated and knowledgeable Associate Engineer to support the Traffic and Transportation Section. The Traffic & Transportation Section provides for mobility and safety of people and goods. Services range from increasing arterial street capacity by operating Intelligent Transportation Systems infrastructure, to providing traffic planning assistance for both local and regional transportation projects. These services fit into the larger City purposes by enhancing neighborhoods by protecting residential streets from excessive cut-through traffic; providing access to businesses to build a strong economy; enhancing safety through adequate intelligent transportation systems/traffic signal construction and maintenance, arterial signing and striping.

<https://www.governmentjobs.com/careers/anaheim/jobs/4388122/associate-engineer-traffic-transportation?pagetype=jobOpportunitiesJobs>

Continued on Next Page...

JOB ANNOUNCEMENTS CONTINUED

CALLING ALL VOLUNTEERS!



The City of Costa Mesa is accepting applications for the position of Associate Engineer in the Transportation Services Division of the Public Works Department. The successful candidate will perform a variety of responsible and complex professional level civil engineering work in the field and office associated with the design, development, investigation, construction, and maintenance of public works projects.

<https://www.governmentjobs.com/jobs/4379327-0/associate-engineer-transportation?keyword=engineer&location=costa+mesa%2C+ca&pagetype=searchPage>



A Best Firm to Work For, Hot Firm, and CA Top Design Firm for multiple years, **WLG** is a civil engineering, geospatial, land planning, and utility locating company providing creative and innovative solutions to public and private clients throughout California since 2000. The firm specializes in civil engineering/site development; utility locating/engineering; surveying/mapping; and land planning. Current Openings include Traffic Engineer, Civil Engineering Designer, and Project Surveyor.

<https://westlandgroup.net/jobs/traffic-engineer/>
<https://westlandgroup.net/jobs/civil-engineering-designer/>
<https://westlandgroup.net/jobs/project-surveyor/>

Next year’s Western District Annual ITE Meeting (2025) is going to be held in SoCal at The Westin Long Beach.

ITE is looking for Volunteers to help with the event. If you are interested, please contact **Sowmya Chandrasekhar** at Sowmya.Chandrasekhar@kimley-horn.com



UPCOMING EVENTS



ITE Southern California Section & OC Traffic Engineering Council presents

2024 Student Presentation Night

Thursday, May 9th · 5:30 – 8:00 PM

[Register here by May 2nd](#)

Anaheim Marriott Suites
12015 Harbor Blvd, Garden Grove, CA 92840

Sponsors:



PARTICIPATING UNIVERSITIES:



Please contact [Michael Plotnik](#) 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](#) for the latest job posts, newsletters, and presentations from current and past meetings.

Follow Us on Social Media:



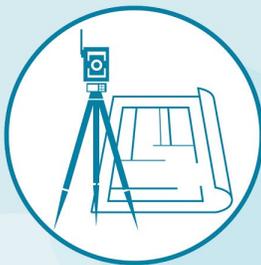
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WHAT WE DO



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KOA is now a part of Lochner! | Please visit www.hwlochner.com for more information.

2023-2024 SPONSORS

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

Meeting Date

Newsletter Sponsors

Lunch/Meeting Sponsors

September 28, 2023

Michael Baker International
Mark Thomas



October 26, 2023
Joint Meeting with ITE SoCal

General Technologies and Solutions
ADVANTEC Consulting Engineers, Inc.



January 25, 2024

Minagar & Associate, Inc.
Hartzog & Crabill, Inc.



February 22, 2024
Joint Meeting with ITS-CA

Nextech Systems, Inc
LSA Associates, Inc



March 28, 2024

Kimley-Horn and Associates, Inc.
DKS Associates



April 25, 2024

Ganddini Group, Inc.
KOA Corporation

<Sponsorship Available>

May 3, 2024

OCTEC Golf Tournament



June 20, 2024

Stantec Consulting Services
Psomas

For more information and sponsorship opportunities, please contact Mai Vang at (559) 970-8691 or mvang@cityofirvine.org

OCTEC 2023 - 2024 Officers

OCTEC Committee Chairs



Javier Ruedas
Social Media Chair
(949) 472-3475
javier.ruedas@mbakerintl.com

Michael Plotnik
President

Adrian Rodriguez
Secretary

Trevor Briggs
Treasurer

Mai Vang
Sponsorship/Membership Coordinator



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arodriguez@olsson.com

trevor.briggs@kimley-horn.com

mvang@cityofirvine.org

Contact Any of the board members if you are interested in joining the OCTEC Team in the future.