

PRESIDENT'S MESSAGE

Melissa Barbosa, P.E.



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Hello ASCE Members,

Happy New Year! Cheers to 2018! There are a few upcoming awesome events if you are interested in attending.

To start the month is the ASCE Western Regional and Sectional Conference for College Students, Younger Members and Branch Members this year it is in Las Vegas, Nevada. It's a Leadership Conference, January 11th through the 14th, if you never attended I'd highly recommend it. It's my favorite conference! We will have students attending from Cal Baptist, Cal Poly Pomona, four officers from the Younger Member group and three officers from the Branch attending. Registration is still available. Visit <http://www.wrymc2018.com/> if you can't make it this year, next year it will be in Hawaii!

On January 26th ASCE SBR is offering a technical tour of the Seven Oaks Dam. This tour was so popular that it is already sold out. Registration is full but you may be added to a waitlist please contact Chet Robison for more information.

There is a mammoth ski/snowboard trip February 8-11 if you are interested please contact Chris Quach the YMF President.

The San Bernardino-Riverside Branch has a Report Card Committee diligently working on the ASCE Report Card update for the area. The goal is to release the updated report card in Spring. If you'd like to learn more about it please contact Edwin Quinonez.

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PRESIDENT'S MESSAGE

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We currently are planning February's Big events. February is a very important month for engineers! February 18th through 24th is National Engineers Week, it's a time to celebrate and an opportunity for us to increase awareness about the engineering field, building sustainable infrastructure and encouraging the next generation to become Engineers. It's a chance to share your enthusiasm for engineering and make a difference in a young person's life. You can contact your local schools or alma mater and arrange to present an introduction to the engineering profession. Your Branch board will support you and provide presentation materials and ASCE promotional goodies to spark their minds and set them on a path to engineering success. Please contact Jeff Meiter to volunteer. There will be the Inland Empire Council of Engineers and Scientist (IECES) dinner during E-week.

I'm so excited this year we will be hosting our second annual Engineers Day. This year it will be at Riverside County Flood Control and Water Conservation District on Friday, February 23rd. We will be inviting 50 high school students to learn about profession, see engineering projects in their own community and watch the Dream Big video.

For our 2nd Annual E-Day there are Company sponsorship opportunities available please contact me.

Thank you for your continued support and commitment to ASCE.

Sincerely,
Melissa Barbosa, P.E., M.ASCE
ASCE San Bernardino and Riverside Counties
Branch President



The Modernization of LAX Part II

Can anyone imagine LAX with less traffic? Whether taking an uber or driving, it seems like getting to the airport has increasingly become a hassle, requiring lots of patience. Given that LAX is the busiest origin and destination airport in the country, passengers constantly fight traffic congestion and overcrowding as they approach the iconic lighted pylons towering around the airport entrance. With over 50% of departing air passengers traveling to LAX in private vehicles and over 6,000 vehicles entering the airport in one hour during peak periods, something needs to be done to relieve traffic congestion and improve access to and from LAX. Luckily, LAX is undergoing a \$14 billion modernization program.

The proposed Landside Access Modernization Program (LAMP) will help improve the LAX passenger experience, relieve traffic congestion and make LAX a world-class airport. Key elements of LAMP include:

- Relieve congestion within the Central Terminal Area and the surrounding street network.
- Give passengers a fast and reliable way to get to their flights.

- Create new convenient locations for passenger pick-up, drop off and parking outside of the Central Terminal Area.
- Reduce vehicle emissions and improve air quality.

Perhaps the most essential feature of the LAMP project will be the Automated People Mover (APM) which is basically a train that will provide reliable, time-certain access to the airline terminals for passengers, employees, and other users. The Automated People Mover system will feature a total of 6 stations connecting new rental car, airport parking, and Metro facilities to the airline terminals. Three of the six stations will be located in the Central Terminal Area providing fast and easy connections to the airline terminals with a convenient pedestrian walkway system. The APM system will be free to airport users, operate 24 hours a day, and simultaneously run up to 9 trains with a 2-minute wait time. The guideway will be approximately 2-1/4 miles long, 50 to 70 feet above ground with a width of 35-75 feet and columns typically spaced at every 100 feet. Each train could consist of 4-cars up to 175 feet long and hold approximately 50 passengers, with luggage.



Automated People Mover (APM) courtesy of laxishappening.com

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Engineers Column By: Rolando Hernandez

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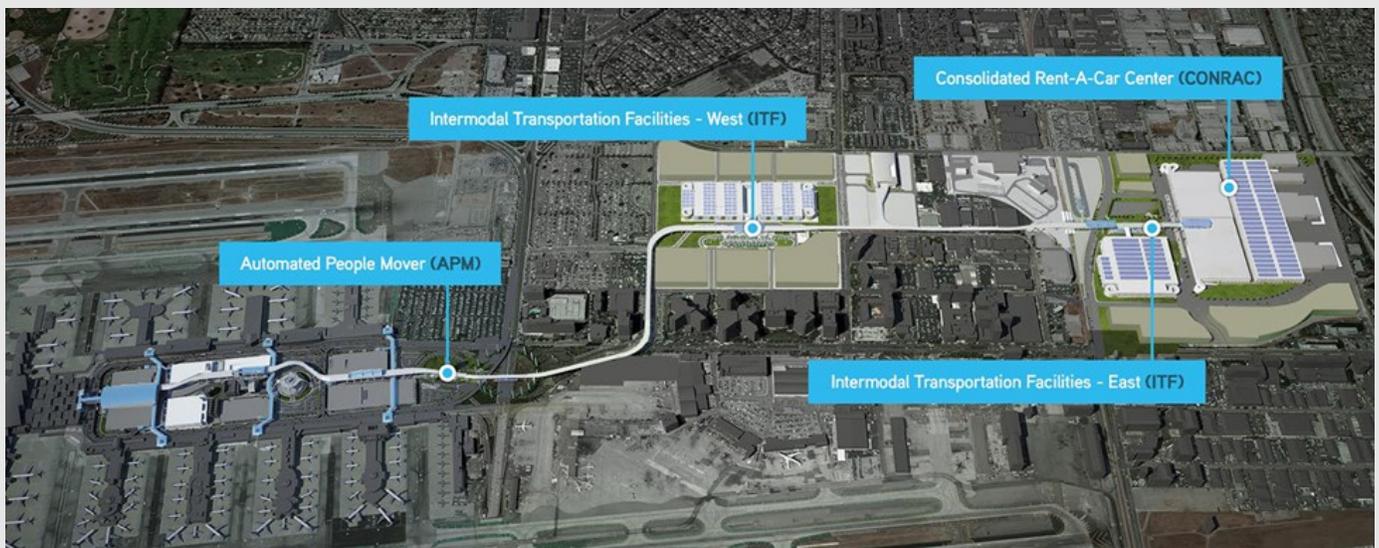
Another feature will be the Intermodal Transportation Facilities (ITF). There will be two locations, ITF-West and ITF-East. These facilities will provide airport users with multiple locations outside the terminal area to pick-up and drop-off passengers, park their cars, check-in and get to their flights by taking the Automated People Mover. The Intermodal Transportation Facility will also feature fast and efficient access to the APM, airport parking for private vehicles, and amenities such as waiting areas, concessions, and ticketing/information kiosks. From these facilities, travelers will be able to transfer to hotels, shuttles/commercial vehicles, and regional transit system.

The Consolidated Rent-A-Car Center (CONRAC) is another feature which will relocate existing rental car companies into one convenient location. Located adjacent to the 405-freeway with direct connections to the airport using the Automated People Mover, the CONRAC will make the rental car experience quick and easy. By offering a variety of rental car options in a single location, rental car customers will conveniently have a larger selection of vehicles to choose from with direct access to major freeways as they exit the airport. This

facility will also eliminate the traffic from rental car shuttles currently driving into LAX.

The last feature of the LAMP project is the Metro Rail and Bus Connections. Metro has agreed to build a 96th Street Station, to provide a rail and bus link to the airport. In conjunction with the Metro project, LAWA has agreed to extend the proposed Automated People Mover (APM) station above the planned 96th Street Metro Station to allow for quick and convenient transfers to LAX. Improving the connection between LAX and Metro's regional rail system is not only critical for LAWA but for the city of Los Angeles.

The proposed construction of the Landside Access Modernization Program began this year (2017) and the estimated completion of phase I (including APM & CONRAC) is set for 2023. With traffic growing every day, the long-awaited airport improvements will certainly satisfy the traveler's overall experience. With the Olympic Games set to be in Los Angeles in 2028, a modernized LAX will be on full display as traveler's visit from all over the world.



LAX projects courtesy of connectinglax.com

Sources:

<http://www.laxishappening.com/news/?p=3>

<http://www.connectinglax.com/solution.html>



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January 26, 2018 - Technical Tour

SEVEN OAKS DAM

**San Bernardino County
Flood Control Planning Division**

Have you been waiting a decade for ASCE SB/Riv to return to the Seven Oaks Dam for another technical tour (see photo below from the Stormwater Committee event in June, 2008)? Now is your chance!



The Seven Oaks Dam is an essential flood control element along the Santa Ana River system, protecting San Bernardino, Riverside, and Orange Counties. The dam is a 2,980 foot long embankment that stands a striking height of 550 feet above the Santa Ana River. Please join us for a one of a kind tour given by the San Bernardino County Flood Control Planning Division. Attendance is limited to 24, so sign up early to get a spot!

Date: Friday, January 26, 2018

Time: 9:00 am to 12:00 pm

Location: Seven Oaks Dam

Santa Ana Canyon Road, Highland, CA 92346

Cost: Free (Limited to 24 Attendees)

Deadline: Please reserve by January 15, 2017

Additional Info: Chet Robinson, G.E.
(951) 304-2300
robinson@geoconinc.com



SAVE THE DATE!

ASCE 2nd Annual Engineers Day at Riverside

The American Society of Civil Engineers San Bernardino Riverside Branch and Younger Member Forum (ASCE SBR Branch & YMF) in partnership with Riverside County Flood Control & Water Conservation District is hosting our 2nd Annual Engineers Day, to be held during National Engineers Week from February 18-24, 2018!

A great event is being planned and we hope you can be a part of it! The goal is to expose students to civil engineering, educate them about projects going on in their own community and to inspire them with future career possibilities.

⇒ **Friday, February 23, 2018 | Time: 8AM-2PM**

⇒ **At Riverside County Flood Control & Water Conservation District**

1995 Market Street | Riverside, CA 92501

VOLUNTEERS ARE NEEDED!! If you are interested in being involved in this event, please contact:

Jeff Meiter-Branch (jeff@valued-eng.com) or Mohammad El Hocheimi- YMF (mohammad.elhocheimi@wsp.com)

SPONSORSHIP OPPORTUNITIES ARE AVAILABLE!!

Please contact Melissa Barbosa at mbarbosa@ci.azusa.ca.us



ASCE San Bernardino Riverside Board of Directors

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Check out all of the content available from ASCE. When ordering be sure to use the Promo Code below so that the branch will receive 20 percent of the gross revenue from the registration. This helps the branch to reduce member costs, provide better activities and give out more scholarships for the benefit of the local engineering community.

WEBSANBRIBRA

http://www.asce.org/continuing_education/

Employment Opportunities

Be sure to check out the career opportunities at ASCE's Career page at

<http://www.asce-sbriv.org/careers-1.html>

Calendar of Upcoming ASCE Events

January 11-14, 2018	The 2018 ASCE Wester Region Younger Member Council—Las Vegas, NV
January 26, 2018	Seven Oaks Dam Technical Tour!!!
February 23, 2018	ASCE 2nd Annual Engineers Day at Riverside!!!

Membership Information

Types of Membership and Annual Dues (National)

Students: FREE

Associate Member: \$50 per year of Baccalaureate degree and first year after, then incremental increases to \$225 over five years.

Member: \$225

Affiliate: \$225

Section (Branch) Dues: \$55

National ASCE student membership is now FREE! Those who have chapters or clubs still must be a member of them before joining National. Log onto <http://www.asce.org/join/> fill out the short application or call 1-800-548-ASCE (2723) and instantly become a member of ASCE.

Online membership renewal is available! Go to <http://www.asce.org/membership-communities/> You will need your membership number. All payments must be made with a major credit card. An e-receipt is transmitted to the member upon completion of the transaction.

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