

President's Farewell Message

By Karen Sepulveda, MLAB President

Our August newsletter will be the last for this fiscal year. In keeping with the occasion I wrote a very lengthy President's Message highlighting the good, bad and the unexpected from this past year. It has now found its way to the cutting room floor.



The lengthy message may be summed up by highlighting just a few items. The good would include an increase in new volunteers, a continuation of great programs, a stronger connection with our technical groups, and an expanded K-12 Outreach focusing on early high school.

The bad would be comprised of the goals we had hoped to achieve, but didn't quite accomplish. The most notable was my desire to begin a media outreach and public relations program to communicate our profession to our community, and effectively answer important media questions regarding infrastructure. All is not lost, however, as we will revise this goal and press forward.

The unexpected comes in my surprise that so few of us have been able to accomplish so much. MLAB serves over 3,000 members of all different engineering interests, and we do so with just a handful of volunteers.

I hope that you will plan to attend the Branch's Annual Meeting and Awards Dinner on September 18th at the OMNI Hotel. I would love to meet you personally and update you on our past, present and future. We will have Will Kempton of Caltrans as our speaker, and I'm certain you won't want to miss the event. You will also get the opportunity to meet our incoming President, Androush Danielians, P.E., DSc.

It has been my pleasure to serve as your President this year, and I hope my path will cross with many of yours in the future.

MLAB has six technical groups available for you to join. Many of their activities may also be found on www.projectpartners.com.

Air Transport

Chair: Charles Adams
Charles.Adams@jacobs.com
213/239-1349

Forensic Engineering

Chair: Debanik Chaudhuri
dchaudhuri@twininglabs.com
310-754-2710

Geotechnical Engineering

Chair: Marty B. Hudson
mbhudson@mactec.com
323-889-5344

Hydrology and Hydraulics

Chair: John E. Shamma, P.E.
jshamma@mwdh2o.com
213-217-6409

Water Resources Committee

Chair: David Pedersen, P.E.
dpedersen@dpw.lacounty.gov
626-300-3302

Waterways, Harbors, & Coastal Engineering

Chair: Carlos Baldenegro
cbaldenegro@portla.org
310-732-3053

INSIDE:

Farewell

Programs

Bridge Competition

Key Contact

What Engineers do

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May Luncheon Focuses on What the Neighbors are Doing

By Androush Danielians, P.E. DSc., MLAB President-Elect

Mr. Gary Gallegos, Executive Director of San Diego Association of Governments (SANDAG) was the guest speaker for our luncheon event held on May 8, 2008. Mr. Gallegos is a nationally recognized expert in the areas of transportation, land use, regional public policymaking, and bi-national cooperation.



Gary Gallegos, Executive Director

SANDAG is the regional research, planning, and transportation agency for the area's 18 cities and county government.

SANDAG policymakers are mayors, council members, and a county supervisor from each of the region's 19 local governments. In its new and expanded role, SANDAG now plans, engineers, and builds public transit. Mr. Gallegos leads a staff of nearly 200 professionals who collaborate to develop public policy initiatives for elected officials on numerous issues encompassing population growth, transportation, environmental management, economic development, municipal finance, bi-national coordination, and public safety.

Under his direction, the agency has crafted an innovative \$42 billion Regional Transportation Plan, "Mobility 2030," to address the region's transportation needs. Mr. Gallegos also served as the catalyst for SANDAG to create and implement through its member governments the first-ever Regional Comprehensive Plan — the strategic planning blueprint for the San Diego region — which balances population, housing, and employment growth with habitat preservation, agriculture, open space, and infrastructure needs. Prior to joining SANDAG in 2001, Mr. Gallegos held the position of District Director for Caltrans District 11, encompassing San Diego and Imperial Counties.

Mr. Gallegos' presentation gave us an insight on the SANDAG's Vision "Today and Tomorrow". Some of the notable points of this vision included the following:

Transnet Early Action Projects – The projects on this list are vital to the success of the San Diego's Regional Transportation Plan and must happen early on. These projects are:

- SR 76 - Widening
- SR 52 - New Freeway
- Mid-Coast LRT and Super Loop
- I-15 Managed Lanes & BRT - North & South Extension
- SR 52 - HOV/Managed Lanes (Reversible)
- I-5 North Coast Corridor - Environmental Effort
- I-805 Corridor - Environmental Effort & BRT
- SPRINTER - Oceanside to Escondido Rail Project
- Trolley - Vehicle & Station Upgrades (Blue & Orange Lines)

Transnet Early Action + Bond Projects – These are the projects that have bond monies already allocated to them and are located in the following Corridors:

- I-15 Managed Lanes & BRT
- I-5 North Coast Corridor
- I-805 Corridor

They also include the following Corridor Management Improvement Account:

- I-15 Managed Lanes Segment
- I-5 North Coast HOV Lanes Segment
- I-805 Corridor HOV Lanes Segment

Goods Movement Improvement Program – Mr. Gallegos stated that these projects are important to the region's economy and that SANDAG is working on several primary goods movement routes. These projects include the following:

- Marine Terminals/Access
- Coastal Rail Corridor
- SD&AE/Mexico Rail Corridor
- SR 905 Border Access
- SR 11 Border Crossing
- Air Cargo Terminals/Access
- Mission Valley Pipeline Terminal/Access (Private)
- I-15 Managed Lanes/Corridor Improvements

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- I-805 Managed Lanes/Corridor Improvements
- SR 94/SR 125/I-8 Corridor Improvements
- I-5 Managed Lanes/Corridor Improvements
- SR 125 Corridor Improvements
- SR 54/SR 125/SR 52 Outer Loop

Mr. Gallegos stated that without this investment the travel time between Oceanside to Downtown San Diego for carpool lanes that is currently an average of 63 minutes could increase to 81 minutes in 2030, whereas with the proposed investment this travel time would

decrease to 49 minutes. The situation is similar on the automobiles using the freeway; the average travel time between Oceanside to Downtown San Diego that is currently 75 minutes could increase to 100 minutes in 2030 without the proposed improvements and decrease to 74 minutes with the improvements.

MLAB greatly appreciates the time of Mr. Gallegos to present to our membership what our neighbors to the south are envisioning and implementing. We'll be watching closely to see and celebrate his success and that of SANDAG in these endeavors.

Air Transport Technical Group Holds May Luncheon Meeting

Craig Halvorson, our Vice Chairperson has provided the following report of the Air Transport Technical Group luncheon meeting that was held on May 20, 2008. The guest speaker was Mr. Larry Serafini, Deputy Airport Director - Facilities, County of Orange/John Wayne Airport

By Craig Halvorson, Air Transport Technical Group Vice Chairperson

On May 20th, the MLAB Air Transport Technical Group had the privilege of hearing Larry Serafini speak to the Group. Mr. Serafini is the Deputy Airport Director – Facilities, at John Wayne Airport in Orange County. Following is a recap of some of the important points from his presentation.

The passenger volume at John Wayne Airport (JWA) has been increasing at a steady six percent per year since 1982 from 2.5 million airplane passengers (MAP) to 8.5 MAP in 2003. JWA's last program to expand the airport was completed in 1991 and included the construction of two terminals that totaled 435,000 square feet, with fourteen bridged aircraft gates to support twelve commercial carriers. JWA embarked upon a program to construct a third 300,000 square feet Terminal C and concourse that will satisfy the projected 10.8 MAP capacity by 2011. The new Terminal C will include six new jet gates and seven new commuter gates that will replace the existing (temporary) ramp loading facilities.

The Terminal C program begins with the controlled demolition or "de-construction" of the existing B1 Parking structure. This is a four-level, 750' long, 150' wide, 1,200 space, post tensioned concrete parking garage located just south of the existing Terminal. The TSA in-line baggage screening facility, built in 2002, is located on the north end of first floor of this garage adjacent to the Terminal B. All thru the demo-

lition process and afterwards the TSA facility must be maintained and kept operational at all times. Thus the demolition must be carefully controlled. The TSA baggage screening room will be isolated by building concrete moments frame and shear walls, access to and from will be maintained and all necessary safeguards will be applied. The de-construction project will be effectively demolishing the parking garage around the baggage screening room without disrupting the screening operations. Demolition of the garage will provide the open area for the new Terminal C project. The new Terminal will be built over and around the existing TSA baggage room. The "de-construction" is anticipated to be a \$7 million construction project.

The construction of the \$270 million Terminal C will begin after the demolition of the parking garage. Terminal C includes the construction of six additional bridged aircraft gates that will bring the total to 20 commercial passenger gates. The new facility will also provide new facilities for the seven commuter/regional jets at the north and south ends to the terminals. A new parking garage will be built at the south end of the Terminal C which will surround the Central plant and the existing 22 kilovolt substation. The new garage may be included in the same construction contract as the Terminal, however, the Construction Management will be performed by another Consultant.

Greeting from the New MLAB Chair of Public Information

By Estabrak Habboush, P.E.

I am a new member of the MLAB family. I chose to join this fine group of engineers within the Los Angeles Metropolitan area. Before joining the MLAB, I was an active member of the National Society of Professional Engineers (NSPE) – Valley Forge Chapter in Pennsylvania. I joined NSPE in 1995 and ASCE in 1996.

I recently relocated to the Los Angeles area after accepting an employment offer with Anil Verma Associates as a Senior Project Engineer for the LACMTA structural inspection project. Before Anil Verma Associates, I worked for more than ten years in the Philadelphia area on a variety of highway projects. I am a licensed Professional Engineer with over 19 years of engineering experience. I obtained my Bachelor of Science in Civil Engineering from the University of Baghdad, Iraq in 1988, and my Masters of Science in Civil Engineering from Drexel University in Philadelphia, Pennsylvania in 2001.

I look forward to working with the MLAB's Board and Chairs as I assume my new role as the Chair of Public Information. If I can be of any help, please contact me at ejhabobush@verizon.net.

2008-7th Annual Regional Bridge Building Competition

By Shirish Mistry, P.E., Los Angeles Bureau of Engineering

The City of Los Angeles Bureau of Engineering held its Seventh (7th) Annual Regional Bridge Building Contest on Thursday, March 20, 2008 at the King Hall, Lecture Hall II, of the California State University, Los Angeles (CSULA). High School teams competed for a chance to advance to the International Contest on April 26, 2008 in Chicago, Illinois. This contest provides the Bureau of Engineering, High School students and Universities an excellent opportunity for outreach programs for promoting education beyond high schools. Structural Engineering Division (SED) coordinated the entire event from inception to completion with ASCE students from CSULA hosting the event.

Forensic Technical Group Holds Second Dinner Meeting

By Allison Faris

There were about 30 attendees at the second meeting of the Forensic Technical Group on May 27, 2008 since its revitalization earlier this year. Dave Sykora, Ph.D., P.E., principal engineer at Exponent (Failure Analysis Associates), gave a presentation on convincing non-triers of fact of the basis and validity of opinions reached during the course of a project. A non-trier of fact would be someone in a role such as outside experts, attorneys, or various responsible parties.

Dave explained that the evidence code requires that an expert arrive at conclusions within a reasonable degree of engineering certainty. However, one may have to do additional work beyond that required to develop demonstrative evidence for the purpose of convincing non-triers of fact. Three case histories were presented that illustrated additional work, such as full-scale load tests, needed to convince an owner, designer or contractor of one's engineering judgment.

The next quarterly meeting of the forensics group will be sometime in August. Please stay tuned for more details.



Volunteer mentors from the Bureau of Engineering worked diligently with the students and their teachers in order to make this a successful event for the participating students and for the competition. One of the objectives for the students was to build a model bridge weighing no more than twenty five grams (25 grams is less than one ounce) that conforms to specific limited dimensions for height, span and width requirements per the International Bridge Build-

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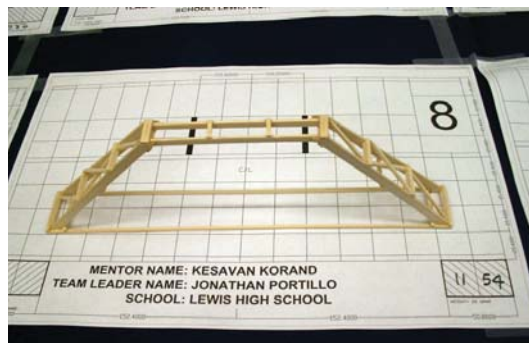
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ing Competition rules as defined by Illinois Institute of Technology, Chicago. The mentors over a period of four months guided the high school students through the process of designing, drafting, construction, testing and helping the students understand the engineering concepts and laws of physics that govern the performance of their bridge models.

Model bridge building provides the students with hands-on experience that supplements their studies. Mentors also deliver an important message highlighting the benefits of continuing education and a career in engineering. Students learn by hands-on experiences, and see the connection between their studies, practical design and actual model construction. By being able to compete at International level will expose the winning students to higher level of engineering and the value of team work.

As the teams arrived, each bridge was registered, model bridge weighed and measured per original specifications. Students were given opportunity to modify their bridge, if the bridge models failed to meet the weight or dimension guidelines. After lunch, it was time to commence the competitions. Once approved, the models were displayed for technical inspection and judged for best Architectural Aesthetics Design and Structural Design. Judges for Architectural Aesthetic evaluations were Commissioner Ernesto Cardenas and Rene Carrillo, whereas Dr. Rupa Purasinghe and Sunny Patel evaluated the best Structural design.

The event kicked off with Sunny Patel from SED as the Master of Ceremonies with addresses from Commissioner Ernesto Cardenas, Dean of Engineering - Dean Keith Moo-Young, and Councilmember Jose Huizar's Office staff, Cecelia Alatorre. Trophies and prizes were awarded in the categories of architectural aesthetics,



1st place for efficiency



J. Portillo of Lewis High School receives 1st place trophy and scholarship award from MLAB

structural design and efficiency category. Theodore Roosevelt High School and Robert H. Lewis High School were named first and second placed winners for architectural aesthetics, respectively. Structural design winners were King Drew High School, first place, and George Washington Preparatory High School, second place. For the efficiency category, Robert H. Lewis High School took first and second place and Los Angeles High School came in third.

The two top winners for the efficiency category will advance to the 2008 International Bridge Building Contest to be held in Chicago on April 26.

Renee Carrillo from ASCE together with CSULA kindly provided the state-of-the-art bridge testing equipment and support during testing and data collection. Model bridges were mounted on the bridge testing machine. Hydraulic incremental loads were applied to the bridges by a mechanical plunger controlled by Renee Carrillo. The audiences watched anxiously as the model bridges were loaded and went through a creaking, twisting, buckling and failure modes. The maximum load carrying capacity of the model bridge was collected for efficiency computation. The goal was to score the highest efficiency ratio, which is calculated by dividing the maximum load carried divided by the weight of the bridge.

Jonathan Portillo from Lewis High School, the winning entry loaded his bridge to 53.6 Kilograms (118 pounds) at which the bridge failed. The efficiency ratio of 4671 was attained {Maximum Load – 53.6 kilograms (118 lbs) divided by weight of model bridge = 11.54 grams (0.0251 lbs)}. Eddie Garcia also from Lewis High School placed second with an efficiency ratio of 2766 and Xochiti Padilla from Los Angeles High School took third place with an effi-

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Karen Sepulveda with ASCE CSULA Student Chapter members, including President Rene Carrillo (right)

ciency ratio of 1527. Total of seven high schools participated in the Regional Competition.

The two top winners of the competition were from Lewis High School and will now advance to the International Bridge Competition to be held in Chicago, Illinois. Special thanks to: Commissioner Ernesto Cardenas from Board of Public Works; Dean of Engineering - CSULA, Keith Moo-Young; Councilmember Jose Huizar's Office staff, Cecelia Alatorre; Chairman of Civil Engineering - CSULA, Dr. Rupa Purasinghe and Civil Engineering staff - CSULA staff, Donna Melendez; ASCE - President MLAB, Karen Sepulveda; ASCE Student President-CSULA, Rene Carrillo; Division Engineer, Sunny Patel. We extend our thanks to Public Affairs Officer, Lauren Skinner; Stephanie M. Interiano and Program Manager, John Saldin, and all the mentors for their leadership and dedication to success of this Regional Competition. We extend our thanks to CSULA for their facility and ASCE student staff for assisting during the event.

For technical structural engineering support, interpretations of rules and setting a high standard at the Regional Level and being the Master of Ceremonies, we thank Sunny Patel for his foresight, support and leadership.

As part of the entire team for this event, special thanks to all mentors Shashi Bhakta, Noe Arce, Alejandro Moreno, Richard Louie, Kesavan Korand, Mina Azarnia, Sharat Batra, Kelvin Hoang, Ansar Mustafa, Pedro Garcia, Belal Tamimi, Lesile Wall Richard Garcia and Soyoon (Eunice) Lee.

Successes of the past high school students are worth a mention here. DeCarlis Wilson from Community Harvest Charter HS is now at USC,

where as Juvenal Mauricio from Roosevelt HS is now studying engineering at UC Berkley. Article and Bridge Contest Planned and Coordi-

Contacting Your Legislators is Fast and Easy Through ASCE's Key Contact Program

By Jay Higgins, P.E. M.ASCE, Secretary, Los Angeles Section

I recently received an e-mail asking me to support the Region 9 effort to inform Governor Schwarzenegger that the diversion of the gas tax from the transportation fund to the general fund was a bad idea. My first reaction was that I really want to support the actions being taken by Region 9, but how could I do this without taking time from work and a tight schedule for a deliverable. My first thought was that I will have to stop what I'm doing, take the Region 9 information provided, and compose a letter or an e-mail message. I may have to wrestle over the wording and would have to get it proofread to assure it was correct. All very time consuming. I must admit with all my interest in the ASCE and Region 9 legislative activities, I had not actually written to my State Senator and Assemblyman on an issue of interest to civil engineers, but I at least knew the names of my legislators. I had participated in two legislative days in Sacramento and had a file somewhere at home with all the information I needed, but it was going to have to wait until I got home that night so I could dig it out.

The alternative was to search on line for the address of the correct State Senator and Assemblyman. The first time I did this was when I was scheduled to go to Sacramento on ASCE Legislative Day and had to determine my State Senator and Assemblyman so I could visit with them. This took quite a while because as it turns out I was right on the border of two districts. Depending which web site I went to I would get a different answer. It took a few phone calls to confirm which state senate and assembly district I was actually in. In either case it was going to take more time and effort than I wanted to get an e-mail or letter out the door. Then I remembered the ASCE Key Contact program and decided I would give it a try.

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Here is how it works:

- Go to www.asce.org
- On the left go to [Government Relations](#)
- From the Key Contacts drop down click on ["On-line Congressional Advocacy"](#)
- Click on ["Click here to get started"](#)
- Click on ["Take Action"](#)
- Click on ["Send message"](#) and your e-mail will be sent or a letter will print.

With the letter printed out and signed the next step may be the hardest part of this whole process, figuring out how to print the envelope. Does it go face up in the drop down tray? Face down? Flap left? Flap right? I'll let you figure that part out!

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Do You Know What an Engineer Does?

By Herendira Molina

During a recent engineering presentation at a Los Angeles Youth Network, Karen Sepulveda (MLAB President), Jay Higgins (LA Section Secretary) and I, Herendira Molina (K-12 Student Outreach Chair), asked about 20 high school students if they knew what engineers did. We had no responses. Being a civil engineer, this lack of response was frightening because it made me realize that we haven't been doing our part in promoting our profession, especially among K-12 students. Educating and exposing students at a young age about engineering is a vital element for the future of our profession. This is why MLAB has made its K-12 student outreach efforts one



At the last Poly High School visit, CSUN engineering student, Pedro Barragan, volunteers his time to students in an activity demonstrating structural engineering



Left to right: Herendira Molina, Stephanie Herrick, Jennifer Levins, Jay Higgins and Karen Sepulveda

of its biggest goals this year. Our goal is not only to educate kids about engineering, but also make them realize that it's not just about math and science; it's about improving our quality of life, working in teams to come up with new and innovative ideas, solving problems, and making a difference in people's lives.

This year, MLAB began its efforts by visiting a local high school and a youth center for high school students. We are also currently working with a few elementary schools and middle schools to set up times and dates for us to come out and speak with their students. So far, we are happy to report that the presentations have been a success. With a mix of PowerPoint and video presentations, and a fun engineering activity, students have been receptive and have enjoyed learning about engineering. We hope that as more of these opportunities come our way, you will be interested in volunteering. Volunteers are always welcome and no previous experience is necessary. Make sure to visit our website for announcements of our next student outreach event. Also, feel free to contact me, heren.molina@ppcco.net if you have an idea or suggestion for a future student outreach presentation.

New ASCE MLAB Members

Almoussa	Lana	Meza	Victor
Alward	Jaqueline	Maltby	Matthew
Amador	Anaissa	Martinez	Kristina
Andreas	Victor	Mason	Ryan
Andrino J	ulio	Mavrakis	John
Baghdasarian	Meline	Mc Carthy	Timothy
Baich	Brendon	Negrete	Joel
Brar	Ramanjit	Neto	Francelina
Cajahuaranga	Oscar	Nilprapa	Suvimol
Cataldo	Ryan	O'Dwyer	Monique
Cervantes	Ignacio	Osborne	Nicholas
Chang	Jen	Paredes	Daisy
Chang	Patrick	Rabelo	Gerardo
Chaudhari	Raj	Rios	Bernardo
Chua	Alexandra	Rodriguez	Vanessa
Contreras	Humberto	Rodriguez	Noemi
Davison	Kenneth	Ro	Charles
De La Cruz	Roderick	Rosa	Jessica
De Leon	Michael	Romero	Cynthia
Desmuke	Audney	Salman	Jay
Dosi	Ketan	Sanchez	Jose
Ekenel	Mahmut	Sanders	Scott
Faraone	Vincent	Seyedeh	Shenasi Azari
Flores	Angelica	Shattuck	Michael
Garfio	Horacio	Shao	Jian
Gonzalez	Jonathan	Sherman	Dana
Goulet	Christine	Simonian	Jirair
Greer	Amber	Sinayoko	Nour
Hawkins	Joe	Strenk	Nicholas
Hornung	Jennifer	Ta	Kevin
Houseman	Nicholas	Tatoy	Fortunato
Hsiao	Stephanie	Tan	Yin-Tung
Hu	Connie	Tewinpagti	Itti
Huynh	Thai	Twilley	Kristi
Ito	Wendy	Uno	Mariko
Joyner	Sam	Vaglio	Jeffrey
Kalainesan	Sujaya	Velasquez	Vanessa
Kaspar	Armen	Vue	Diane
Kim	Yurhi	Wall	Dana
Kirivong	Rotthachack	Whidden	Jeffrey
Lao	Narith	Westling	Zachary
Larson	Brandon	Wilde	Nicholas
Leung	Colin	Win	Ma
Liu	Lindia	Xing	Xiuying
Lloyd	Richard	Yuan	Jihong
Lopez	Mike	Yucelen	Matt
Lopez	Diego	Zhang	Vivian
Lopez	Nicholas		



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The Metropolitan Los Angeles Branch is looking for interested members to serve on the following Committees:

- | | | | |
|---|-------------------------------------|---|---|
| <input type="checkbox"/> Awards | <input type="checkbox"/> Membership | <input type="checkbox"/> Programs | <input type="checkbox"/> Student Activities |
| <input type="checkbox"/> Government Affairs | <input type="checkbox"/> Newsletter | <input type="checkbox"/> Public information | <input type="checkbox"/> Technical Groups |

Name: _____

Phone: _____ Fax: _____

E-Mail: _____

If you are interested in serving on a Metropolitan Los Angeles Branch committee, please check the appropriate box, fill in necessary information below, and return to: Karen Sepulveda, Phone: 818-309-9649, Fax: 818-840-0651, E-mail: kar@sepulvedas.net

Calendar of Upcoming Events

August 2008

- 20 MLAB Board Meeting. . . 5:30 pm
DPW Building in Downtown LA, Los Angeles CA 90015
Contact: Serge Haddad at (213) 978-2074
- 27 International Engineering and Construction Conference. . . All day Conference
HILTON IRVINE/Orange County Airport, Irvine CA 92612
REGISTRATION:
- Early Bird Registration (On or before 6/30/08)
-US \$425.00 (Full Conference) - US \$200.00 (One day + CD Proceedings)
 - Regular Registration (Between 7/1/08 and 8/26/08)
-US \$500.00 (Full Conference) - US \$220.00 (One day + CD Proceedings)
 - On-site Registration (8/27/08 through 8/29/08)
-US \$550.00 (Full Conference) - US \$250.00 (One day + CD Proceedings)
 - Student Registration: -US \$25.00 with valid Student ID
 - Method of payment: Please visit conference website at www.iecc5.org for various payment options. You may also contact Mr. Tim Hancuff, Co-Chair, IECC'5, P.O. Box 1954, Duarte, CA 91009-4954, Phone: (562) 908-4288, Ext. 1614, E-mail: thancuff@lacsd.org, Contact: C.T. Bathala at ct_bathala@dot.ca.gov

September 2008

- 17 APWA GIS Conference, GIS in Public Agencies. . . 8:00 am - 4:00 pm
Cypress Community Center, Cypress CA 90630
Cost: \$100 before August 31, \$150 after August 31
Contact: Ahmed Husain at (562) 622-6721
- 17 MLAB Board Meeting. . . 5:30 pm
DPW Building in Downtown LA, Los Angeles CA 90015
Contact: Serge Haddad at (213) 978-2074
- 18 MLAB Annual Meeting and Awards Dinner
OMNI Hotel, downtown Los Angeles
Speaker: Will Kempton, Caltrans

For a complete listing of seminars, please go to <http://www.asce.org/conted/seminars/>



Metropolitan
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Executive Board Members and Committee Chairs

President **Karen Sepulveda**
818-309-9649
kar@sepulvedas.net

President Elect **Androush Danielians, P.E., DSC**
213-593-8402
androush.danielians@dmjmharris.com

Past President **Cung Nguyen, P.E.**
818-896-0594
cunguyen@dpw.lacounty.gov

Vice President **Serge Haddad, P.E.**
213-978-2074
serge.haddad@lacity.org

Secretary **Andy Duong, P.E.**
714-730-2318
andy.g.duong@hdrinc.com

Treasurer **Steve Milewski, P.E.**
626-458-5988
smilew@dpw.lacounty.gov

Government Affairs **Edgar Dymally**
213-217-5709
edymally@mwdh2o.com

Membership **Ciara Barnett, P.E.**
626-319-0441
cbarnett@ladpw.org

Newsletter Editor **Julia Park**
310-536-0011 ext. 152
jpark@tecolote.com

Programs Co-Chair, Monthly Luncheons **Maria Lopez, P.E.**
213-217-5709
asce_mlab@yahoo.com

Programs Co-Chair, Tours and Events **Stacie Takeguchi, P.E.**
626-458-4343
stakeguchi@mw2o.com

Public Information **Joe Habboush, P.E.**
610-909-7035
ejhabboush@verison.net

Student Activities **Julian Garcia, P.E.**
626-458-4921
jgarcia@dpw.lacounty.gov

Awards **Hector Bordas, P.E.**
626-458-5947
hbordas@dpw.lacounty.gov

Newsletter Information

Please send articles or advertising information to the editor

Julia Park
Tecolote Research, Inc.
3601 Aviation Blvd., Suite 1600
Manhattan Beach, CA 90266
jpark@tecolote.com
(Phone) 310-536-0011 ext. 152

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Keep up to date with all the current events and announcements. Join our e-mail list. Please contact our membership chair for details.

We're on the Web!

See us at:
www.ascemlab.org

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Job Opportunities



CAD Technician Position Open at Crain & Associates, West Los Angeles

Crain & Associates, a transportation planning and traffic engineering firm based in West Los Angeles, is seeking a CAD Technician I to prepare plans and illustrations. The position requires a minimum of 1 to 2 year experience with AutoCAD, the ability to understand and/or learn to work with civil engineering and traffic drawings, and sufficient artistic skill to prepare illustrations for presentations and technical documents. The CAD Technician I will use AutoCAD to prepare traffic signal, striping and street lighting plans, conceptual layouts for roads and land development, and maps for traffic studies. Job duties include some field work to conduct measures of roadway features and visits to various plan review agencies. A driver's license is required.

See our web site at www.crainandassociates.com for information about our firm. We offer a 4 1/2 -day work week and good benefits. Pay will be commensurate with qualifications. Crain & Associates is an equal opportunity employer. Contact Diana Skidmore at (310) 473-6508 ext. 117, or send resume and cover letter to employment@crainandassociates.com.

Navy Reserve Civil Engineering Opportunities

The Navy Reserve is looking for a few good architects and engineers!

MIN REQUIREMENTS: US Citizenship, less than 42 years of age, and a degree in architecture or engineering.

Reasons to Join:

- DUTY, HONOR AND COURAGE
- CAREER ADVANCEMENT AND SUCCESS
- MILITARY LIFE AND BENEFITS
- CIVILIAN LIFE AND FAMILY

For more information on part-time officer opportunities in the Navy Reserve, please call:

LT Joe Rystrom, USN Ph 310-877-7115

Job Opportunities

Position Title: Construction Project Engineer (Full Time)

Job Location: Ventura, CA

Position Reports to: Project Manager

Results Expected:

- Providing PMs with thorough and comprehensive excellence on all projects
- Develop Solutions to issues the project is facing
- Project Documentation is up to date, the PM receives the end product
- All bids that are submitted are fully covered

Position Responsibilities:

- Tracking RFI's
- Complete responsibility for the Submittal process and receipt of schedule
- Maintain Boiler plate submittals – safety plan, fire safety plan, , superintendent designation letter, OSHA certificates, Subcontractor certificates, QC plan, etc
- Assist with Contract Buy-outs
- Work with receptionist to prepare contract folders and maintain all logs (RFI, Cost Proposal/ Change Orders, Submittal Logs)
- Tack Job information sheet for each project including start and completion dates
- Assist in Packaging bids, Quantity Take-offs, Material Quotes for bids
- Follow-up with Subcontractor coverage and attend job walks
- Setting up Job Trailers
- Create a site specific tool and equipment list
 - Order job start-up equipment (office trailer, storage containers, toilets, dumpsters, phone lines, temporary power, etc.)
- Send and Deliver plans, specifications, amendments, addendums to all sub-contractors and In House Electrical
- Send out request for quotes as per PM direction
- Maintain Sub – Contractor Database (Pre-Qualify Subs) and vendor database
- Set up Vendor Accounts
- Responsible for meeting minutes
- Scoping meeting minutes with Sub- Contractors
- Weekly Owner Meetings

General Description:

The ideal candidate will have all of the characteristics outlined below. They will be a person of integrity and possess phenomenal people skills.

- Organizational skills
- Great Communication skills
- Bachelors/Masters of Science Degree in Construction Management or Civil Engineering (pursuing 1 of degrees for intern)
- Great Computer Skills
 - MS Office, AutoCAD
- Ability and Desire to advance in an organization
- Desire to continue training and pursue advancement opportunities

Character/Personality:

- The Project Engineer must be a person that is easy to talk with, possesses great communication skills in three separate areas: verbal, written, and with the use of a computer.
- They must be a great listener and have the ability to work with several key decision makers on any project.
- They must personally be in alignment with our Company core values and have a credible record of past performance demonstrating the implementation of the Core Values.



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Job Opportunities (cont'd)

- They are to be a person of integrity, honesty, dedicated to Excellent Performance at the highest level of quality, trustworthy, they believe in building win/win relationships, they are safety oriented.

Education Requirements:

Bachelors/Masters Degree in Civil Engineering or Construction Management

Experience Requirements

None required, but if the candidate has some Project Engineer Experience, that will be assessed and weighted accordingly.

- Presentation Skills needed for advancement
- Ability to take Construction type notes and Documentation

Necessary Office Requirements:

The candidate will have the ability to move through the Microsoft Office programs such as, but not limited to: MS Word, Excel, PowerPoint, and familiar with all of the attributes of MS Outlook. In addition, AutoCAD is preferred and will be weighted accordingly.



Engineers Without Borders NEEDS YOUR HELP!



Honduras H2O

La Estanzuela, Honduras, may not be top on many students' lists of places to spend spring break, but it was for members of the University of Southern California Viterbi School's Engineers Without Borders. Students Nate Houk, Kyle Siegal, Chris Roth, Alex John, Liana Ching, Gina Erazo, Allie Anderson, Lucy Hoag and Meghan Gray traveled to the remote town in March



2007 to create a blueprint for a pump, pipeline, water-distribution and water-decontamination

system. They surveyed, measured and tested the water supply, then decided that they could harness the energy from a nearby waterfall to pump



clean water to a storage tank near La Estanzuela. The project involves building 2 kilometers of pipeline, chlorinating the contaminated water and connecting homes that are not currently hooked up to the existing water-distribution system. That will take more trips to Honduras, but there's no shortage of engineering students eager to go.

The USC Chapter of Engineers Without Borders has taken on the significant task of creating sustainable systems for two Honduras communities. Both villages share a single water source—a river one kilometer away—which provides drinking, cooking, and bathing water. This river is contaminated by fertilizers and livestock, making it unsuitable for consumption.



A successful assessment trip to the village of La Estanzuela last March allowed the students to design the project.

They will travel to the village of Corral de Piedras this spring to assess project needs for that community.

If you'd like to sponsor a student's trip to Honduras in 2008 and make donations to fund the anticipated \$30,800 project cost for these important humanitarian efforts, contact Jacquelin Reed at jacquelin.reed@usc.edu or call (949) 436-1983. Gifts of all size are appreciated...and tax deductible!

Visit the Chapter's Website:
www.ewb-usc.org
to learn more about the project.



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VALUED

PROJECT MANAGERS

PROJECT ENGINEERS

DESIGNERS
(MECHANICAL/CIVIL)

ENVIRONMENTAL
PROJECT MANAGERS

WATER RESOURCES
PROJECT MANAGERS/
PROJECT ENGINEERS



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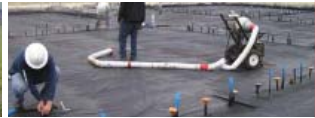
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Graduate Engineer - Structural Engineering Services Group

Current Opportunities in All Offices

Minimum Qualifications:

Master of Science in Civil Engineering with structural emphasis
Engineer in Training (EIT) preferred

Position:

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Qualifications:

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Proficiency in AutoCAD 2004+

Position:

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Membership Information

National Membership Rates (Please verify rates and grades at <http://www.asce.org/membership>).

Student:	Free
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Member:	\$180 annually
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Fellow:	\$215 annually
Section (Branch) Dues:	\$45/year

(1) National ASCE Student Membership is FREE! Contact your Student Chapter leaders or Faculty Advisor for additional information.

(2) Online membership renewal available, go to www.asce.org/renewal. For non-members, dues for MLAB Newsletter only \$45/year.

Please contact the Membership Chair for application forms, change of address and additional information. To update your information online, go to www.asce.org/myprofile.

For questions on national ASCE membership contact member@asce.org.

Advertising Rates

All advertising fees fund Branch Student Scholarships.

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- Please send all business card Ads to the News letter Editor.
- Scanned business cards may be e-mailed to the editor at: jpark@tecolote.com
- Cards are due by the 15th of each month.
- Please send all checks (made payable to "ASCE Metropolitan Los Angeles Branch") to the Branch Newsletter Editor - Julia Park at Tecolote Research, Inc., 3601 Aviation Blvd., Suite 1600, Manhattan Beach, CA 90266

Job Listing:

Please forward job listing to the editor through e-mail to: jpark@tecolote.com