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FIRST QUARTER 2013

Insight

OUT OF THIS WORLD MOVING THE SPACE SHUTTLE

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Public Works: Serving you and your Community

SOCAL CHAPTER PRESIDENT'S MESSAGE



Bonnie Teaford, P.E.
Director of Public Works, Burbank

What an honor to serve as this Chapter's President for 2013! As I looked around the beautiful ballroom on January 26, 2013, during the Annual Dinner Dance, I was moved by how many friends I've made because of APWA. Working together on committees, attending our educational seminars, learning from our informative luncheon programs, or enjoying the camaraderie offered by the annual golf tournament have provided such great opportunities to get to know so many of you and the good work you do for our communities. I look forward to seeing old friends and making new ones throughout the coming year.

We had such a great time in 2012 showcasing our Chapter's people and projects to the some 6,000 attendees to Congress in Anaheim back in August. Now that we have that successful effort in our rearview mirrors, it's time to refocus on our Chapter's core mission of enhancing the professional and social improvement of our members. To that end, the Chapter committees have come up with some targeted goals for the coming year. The Program Committee has lined up terrific speakers and several field trips for us this year, the Education Committee is committed to offering the always-popular Public Works Institute and

other learning opportunities, the Complete Streets & Technology Committee is busy planning the April 24 conference, and the Golf Committee is gearing up for its 2013 event, which supports our Scholarship Committee's work encouraging students to enter our public works profession. The School Outreach Committee, which also engages our youth, is teaming with our Young Professionals Committee to establish a student chapter at a local university, and our Greenbook and GIS Committees continue to provide us much-needed ongoing technical training. A complete list of the committees, who always welcome new committee members, can be found in this award-winning newsmagazine, *Insight*, published each quarter by our Newsmagazine Committee, and a complete listing of Chapter activities can be found on our website: <http://southernca.apwa.net>.

Our next Chapter luncheon is scheduled for March 28 at the Sycamore Center in Lakewood (we're skipping February because many of us will be at the League of California Cities Public Works Officers Institute in Pasadena). Our March program will provide valuable insight for planning and executing special events in our public rights-of-way – we're having the project manager for the recent Space Shuttle move talk about the out-of-this-world coordination that was required to make this historic project turn out to be such a success. Whether you're planning a parade, hosting a bike race or marathon, or delivering a big infrastructure project, you'll find plenty in common with the challenges faced by the Endeavor's big move!

On the Cover:

Moving the space shuttle Endeavour through the streets of Los Angeles and adjacent cities was a mammoth undertaking that required months of advanced planning and engineering. Seeing photos of this beautiful bird on our streets is simply breathtaking.

The cover photo, shot at ground level, tells the Public Works story of the move. Hundreds of workers prepared the path: moving traffic signals and signs, trimming trees, managing the crowds, and handling safe traffic control. The cover photo and photo of the entire shuttle to the right were taken by local photographer Troy Tieuel.

Be sure to make your reservation for our March 28th Chapter luncheon in Lakewood to hear all about the move from Roberto Ramirez of Cordova Engineering, the Project Manager in charge of the project.



SO CAL CHAPTER NEWS & EVENTS

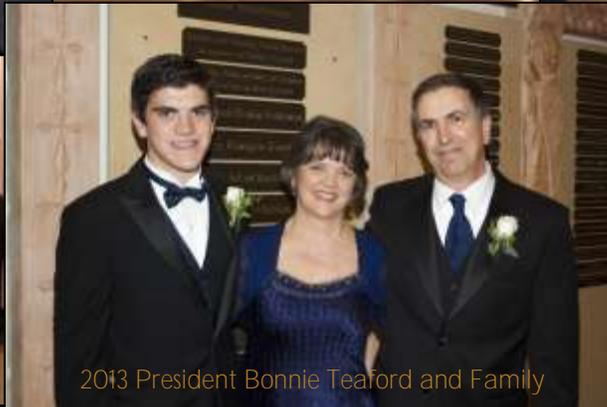
APWA SoCal Chapter 15th Annual Dinner Dance



Anaheim's Public Works Experience



A Stunning Setting!



2013 President Bonnie Tearford and Family



Burbank's Mayor Presides over Installation



Thanks to 2012 President Chris Vogt



2013 Chapter Officers and Board

View additional photos at: <http://www.flickr.com/photos/47026369@N05/collections/>

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Half Day Wrap-Around Seminar

Contract Construction Management for Public Works Projects

March 28, 2013 — Lakewood Centre — 8:30 to 11:30 am

APWA Southern California Chapter Education Committee is proud to present **Contract Construction Management for Public Works**.

You may or may not need an outside Construction Manager for your Public Works Project. If you do, an experienced Construction Manager can help your Agency to overcome roadblocks and deliver your project on time, on budget, and with client and stakeholder satisfaction. This learning session will show the benefits of working with a Construction Manager using "lessons learned" from both the Public Works Agency and Consultant perspectives.

Topics Include:

- Typical Scope of Work for Construction Management services
- The best ways to solicit Construction Management services
- What are the qualifications needed in a Construction Manager for your project

- The Do's and Don'ts of RFPs, RFQs, and contract negotiations
- How to integrate Public Works staff with consulting staff

Instructors for this session will be:

- Reuben Tolentino**, Vice President- Program/Construction Management, Psomas
Mark Verrengia, PE, Resident Engineer/Construction Manager, Hill International
Brittany Barker, PE, Program Manager, LA County Public Works

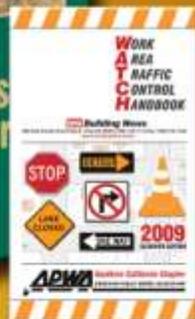
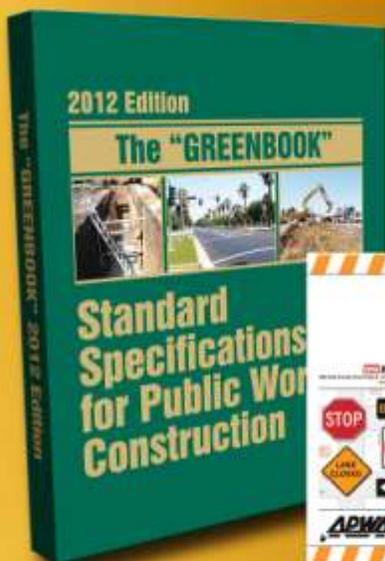
The registration fee for this seminar, including the APWA Chapter Luncheon following the session is:

Member- \$89
 Non Members- \$109
 Students- \$19

To register, please go to <http://southernca.apwa.net/events/11035/>

2012 GREENBOOK:
 STANDARD SPECIFICATIONS FOR
 PUBLIC WORKS CONSTRUCTION

2012 WATCH Manual
Work Area Traffic Control Handbook



GET YOURS NOW!

AT THE BNI WEBSITE: WWW.BNIBOOKS.COM

GET INVOLVED!

The Southern California Chapters Greenbook Committee is looking for new members. This Committee is responsible for revisions to the Greenbook and shapes how we build our Public Works Project.

To join the committee, please contact Erik Updyke at: eupdyke@dwp.lacounty.gov

Written and distributed by
Public Works Standards, Inc.



14th Annual Complete Streets & Technology Conference

Presented by: Southern California Chapter of American Public Works Association

Wednesday, April 24, 2013 8:00 a.m. – 3:30 p.m.
Carson Community Center — 801 East Carson Street, Carson, CA

Don't miss out on the latest developments in public infrastructure as it relates to design, operations, maintenance and funding. Potential topics are as follows:

- ◇ Plans, Specs, and Estimates (PS&E)
- ◇ Pavement 101
- ◇ Stormwater MS4
- ◇ California MUTCD/Traffic Control
- ◇ Construction Management & Inspection
- ◇ Dry Weather Diversion
- ◇ Complete Streets (Full Day)
- ◇ CM and Inspection
- ◇ Social Media in Public Works
- ◇ ADA Update
- ◇ Sustainability Programs and Certifications
- ◇ Extensive Vendor Exhibits and Displays



Conference Registration
APWA Members: \$145.00
Non-Members: \$165.00
(Cost includes lunch)

Chapter Luncheon: The Glorious History of Asphalt! Speaker: Steve Marvin, LaBelle Marvin

April's Regular Chapter Lunch will be held here at the Complete Streets and Technology Conference! Chapter members who are not attending the conference are encouraged to attend the Luncheon. Please reserve and pay on-line in advance for the Luncheon.

Exhibitors:

Please contact David Stuetzel
at (714) 665-4518 or email at
DStuetzel@hvinc.com

To Register:

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2013 CHAPTER SCHOLARSHIP APPLICATIONS NOW AVAILABLE

MICHELLE LEONARD | VICE PRESIDENT | SCS ENGINEERS

A strong desire to help students accomplish their career goals and give back to the Public Works profession are two reasons Carlos Castellanos, Santa Ana's Assistant Engineer and Tony Olmos, County of Orange Assistant Director of OC Engineering volunteered to serve as Co-Chairs of the Scholarship Committee. As a prior recipient of an APWA Scholarship, Carlos Castellanos feels a deep responsibility to give back to the program that helped him financially, and to help other local students that have similar financial challenges. As an Instructor at Santiago Canyon College in the Public Works program, he has a direct connection with students that are pursuing careers in Public Works. Both of these Public Works professionals have had the experience of working with scholarship recipients, and recognize the benefits the program brings not only to students, but also to the profession. Tony feels this is an important way for APWA to invest in future members. Through the scholarship program, recipients will learn more about APWA and the Public Works field, keeping them interested in and motivated to pursue this career.

In addition to the Co-Chairs, the other members of the committee include Harvey Gobas (Psomas), Richard Redmayne (Retired), and Diego Cadena (Geosyntech). For 2013, the goals of the committee are to increase outreach and the number of applications. To accomplish these goals, the committee plans to reach out directly to colleges, making

the scholarships available to college students who were not aware of the program in high school. Announcements will also be sent to college and high school scholarship coordinators. Another goal is to increase the funding of the program. Funding is provided from private contributors, as well as the local Chapter. Parties interested in contributing to the scholarship fund can contact Tony or Carlos directly (see the Leadership Directory on pages 8 & 9 for contact info).

The APWA Southern California Chapter will award \$500-\$1,500 scholarships to graduating High School seniors and full time college students who plan to pursue a career in the Public Works field. The recipients are selected after meeting the eligibility standards and qualifying criteria. The application process is fairly simple and can be completed electronically through the APWA website or via mail. Along with their application, students must submit an essay explaining the effects a college education will have on their future, their major, the Public Works career they plan to pursue, and their career goals. Letters of recommendation are also required. As a condition of acceptance of the scholarship, recipients are required to assist the Public Works Career Guidance program, typically at a high school in the area, where they share their experiences in pursuing this education and career, and the benefits of receiving an APWA scholarship. Applications are due March 29, 2013.



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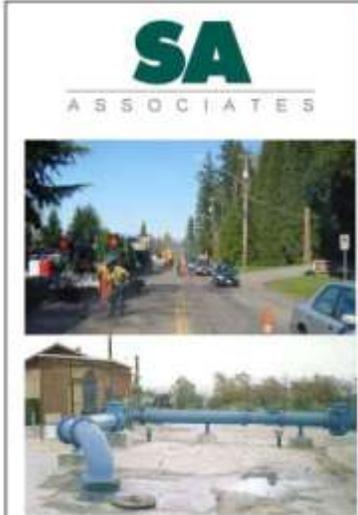
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1302



**Chapter President
Bonnie Teaford
Public Works Director
Burbank**

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Bonnie Teaford is the City of Burbank's Public Works Director, responsible for engineering, design, and construction programs; solid waste collection, disposal, and recycling; wastewater collection and treatment; fleet, building, and street maintenance; and traffic engineering and operations.

Bonnie is a California-registered civil engineer with a bachelors degree from UC Santa Cruz in cultural anthropology, a bachelors degree in civil engineering from Cal State University Sacramento, and a masters degree in public administration from Cal State University, Northridge. Upon finishing her engineering degree, she worked at the California Department of Water Resources and Department of Toxic Substances Control. In 1987, she joined a national environmental consulting firm, where she was a program director.

She has served as a director/officer in APWA's Southern California Chapter since 2009. She is also active in the League of California Cities and is the Past President of the LA City and County Engineers Association.



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**Director—Past Presidents
Chapter Delegate—Alternate**

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PAT SOMERVILLE

Patrick Somerville has joined HNTB as Vice President, Southern California Group Director. Pat has more than 25 years of experience in civil engineering and management with a focus on municipal transportation and capital improvement projects throughout Southern California. In his role at HNTB, Somerville will col-

laborate with HNTB's local leaders to expand the firm's Southern California transportation practice. He brings long-term relationships and project experience with many of HNTB's key clients, including OCTA, Los Angeles County Metro, Alameda Corridor-East Construction Authority, Caltrans and cities throughout Southern California.

Prior to joining HNTB, Pat worked for AECOM and the City of Fullerton. He has managed significant projects including I-710 South Study for LA Metro; the Westside Parkway, a brand new \$180 million freeway for the city of Bakersfield; and has played a role in the planning or design of 15 grade separation projects. Pat is a member of the American Public Works Association Board of Directors, Southern California Chapter and chairs their Awards Committee. He has a bachelor's degree in civil engineering from California State University, Long Beach.



DAVE WEBB

Mr. David Webb was promoted to Director of Public Works for the City of Newport Beach in August 2012 after serving as the City's Deputy Director of Public Works/City Engineer for five years. Prior to serving Newport Beach, Mr. Webb enjoyed 16 years with the City of Huntington Beach where he

served as Deputy Director of Public Works over Utilities and Maintenance Operations and as City Engineer. Prior to this, he worked for several consulting firms including HDR Engineering and Ott Engineering.

Mr. Webb earned a Master Degree in Public Administration from California State University, Long Beach as well as a Bachelor of Science Degree in Civil Engineering from California State Polytechnic University, Pomona.

Outside of work, David leads an active family life with his wife and three children, including boating, camping, scouting, and recent new endeavors in College Cheer (Go CSUF Titans!), High School Lacrosse, and Teenage Acting. He also enjoys gardening and home improvement projects (pending available time and funding).

KEYVAN PIRBAZARI



Keyvan Pirbazari, P.E., a long-time member of APWA, has joined Gannett Fleming as the Southern California manager for rail and transit. Keyvan will be responsible for developing and delivering rail facilities, bus facilities, heavy rail, light rail and commuter rail. Pirbazari brings 22 years of experience in transportation and transit in Southern California, having worked with cities throughout the region and transit agencies such as Metro, OCTA, RCTC, and SANDAG in areas of planning, design, and construction management.

DIEGO CADENA



Deputy Director Diego Cadena retired on January 3rd after almost 31 years of service with the Los Angeles County Department of Public Works. He was responsible for the direction, management, and administration of the Los Angeles County Flood Control District, including such major projects as the LACDA Project and the renovation of the Big Tujunga Dam. Cadena previously served as a project manager, area engineer and assistant deputy director. His responsibilities have included almost every departmental function within the land development, flood, roads, capital projects and solid waste divisions.

As the original Project Manager for the Los Angeles River Master Plan, Cadena helped lead the Department in the development of a new environmental approach to public works. He previously served as Chair of the Leadership Committee for the adoption of the Integrated Regional Water Management Plan that is leading the entire region to a new approach in integrated watershed planning. Cadena has served as an alternate commissioner for the Southern California Coastal Water Research Project, the Rivers and Mountains Conservancy, and the Watershed Council Authority.

Cadena attended California State University, Los Angeles, where he received a Bachelor of Science in Civil Engineering. He is also a Professional Civil Engineer in the State of California. He has served as the LA Section Treasurer and as a committee member for the Society's Volunteer Community Services and Diversity and Inclusion committees, as well as a member of County Engineers Association of California, the National Association of Flood and Storm Management Agencies, and the Society of Hispanic Professional Engineers. He also serves on the American Public Works Association's awards and scholarship committees. Diego is taking two months to travel and plans to join Geosyntech as a consultant beginning on March 1st.

STEVE BADUM



Mr. Steve Badum recently accepted the position of Assistant City Manager for the City of Newport Beach. He is now working with City Manager Dave Kiff on a variety of special projects to build a smaller, faster and smarter government to meet community needs and future goals. Steve has over 30 years experience in the field of municipal engineering. Graduated from the University of Massachusetts –Amherst with a Bachelors of Science in Civil Engineering and holds a Masters of Public Administration from California State University Long Beach. He is a registered Civil Engineer in the State of California since 1983. Mr. Badum has served as Public Works Director for the cities of Seal Beach and most recently Newport Beach. Among his successes are the recent completions of several large scale green building projects including the Oasis Senior Center, Newport Coast Community Center, Back Bay Marine Science Center, Santa Ana Heights Fire Station, and the Mariners Library. He is currently overseeing the construction of the City's Civic Center and Park.

MICHELLE LEONARD



Michelle Leonard has recently rejoined SCS Engineers, where she will serve as Vice President and Director of Sustainable Materials Management. She has nearly 30 years of experience in environmental consulting and project management, with expertise in solid waste management planning and facilities. Ten of those years were spent with SCS Engineers. Michelle will work out of SCS's new Pasadena satellite office, and will support the materials management practice throughout the country.

Ms. Leonard is an industry leader in the preparation of comprehensive solid waste management plans and zero waste strategic plans. She has designed recycling and composting programs; conducted feasibility studies for transfer stations, material recovery facilities, and conversion technologies; and permitted landfills and other solid waste facilities. Ms. Leonard has a strong working knowledge of solid waste management regulations and practices throughout North America, and has delivered numerous successful projects to city, county and State regulators.

Ms. Leonard earned a BS in Environmental Studies from the UC Berkeley. She is the Solid Waste Association of North America (SWANA) International Board Secretary; and is currently a Board Member of the Southern California Founding Chapter. She has served on the APWA Southern California Chapter Newsletter Committee for the past 2 years.

Ms. Leonard earned a BS in Environmental Studies from the UC Berkeley. She is the Solid Waste Association of North America (SWANA) International Board Secretary; and is currently a Board Member of the Southern California Founding Chapter. She has served on the APWA Southern California Chapter Newsletter Committee for the past 2 years.

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PLANNING TIME FOR YOUR PROJECT

The time planning elements you need to keep in mind are 1) activity definition, 2) activity sequencing, 3) activity resource estimating, 4) activity duration estimating, and 5) schedule development.

The Project Manager is responsible for identifying the specific schedule activities that need to be performed to produce the various project deliverables. Preparing a work breakdown structure, which decomposes the project into smaller components, can do this.

Activity sequencing is the process of identifying and documenting dependences among schedule activities. When sequencing activities into a network diagram, the Project Manager should initially assume that the resources and time needed to complete the activities are available.

Activity resource estimating is the process of estimating the types and quantities of resources required to perform each schedule activity. Developing a milestone chart may be helpful at this point. By identifying significant activities in the project (organized by sequence), the Project Manager helps focus on the resources that will be needed for key activities or items.

Activity duration estimating is the process of estimating the number of work periods that will be needed to complete individual schedule activities. When estimating activity duration, it is important for the Project Manager to be aware of who and what specific resources are available on the project.

Time estimates of activities can be based on history (i.e., how long it took to do those activities in the past) and is known as "analogous estimating." For example, if the activity in question took five months to complete in the last five projects similar to this one, then it should also take that long in this project.

Schedule development is the process of analyzing schedule activity sequences, schedule activity durations, resource requirements, and schedule constraints to create the project schedule. There are various scheduling software applications available in the marketplace today. Some are complex and expensive; some require training and others get the job done quickly. The ability of the software application to calculate and show critical path is mandatory. The critical path is the longest sequence of activities that must be completed on time for the project to be completed on or before the schedule completion date. The choice of the software application is a function of the size, complexity, and length of the project.

An unrealistic timeframe is a common project problem. The Project Manager should always review the schedule impacts of changes to time, cost, scope and risk. The objective is to try to compress the schedule without changing project scope.

When compressing a project schedule, the Project Manager should focus on the critical path that determines the duration of the project. Any time added to an activity on the critical path increases the duration of the project. Two techniques to decrease a critical path activity are 1) Fast tracking which is performing critical path activities in parallel and 2) Crashing which is increasing the assignment of resources. The Project Manager should be aware that this technique almost always results in increased project costs.

Float is an asset and is extremely useful for a Project Manager to understand. Activities on the critical path almost always have zero floats or the least amount of total float. There are three types of float (or slack) the Project Manager needs to be aware of when assessing a project schedule. They are 1) Total float which is the total amount of time an activity can be delayed without delaying the project finish date; 2) Free float which is the total amount of time a scheduled activity can be delayed without delaying any immediately-following schedule activities; and 3) Project float which is the amount of time a project can be delayed without delaying the externally imposed project completion date required by the Client.

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NEW LA COUNTY MS4 PERMIT PRESENTS CHALLENGES FOR CITIES

ELROY KIEPKE PE, CBO, QSD | CITY ENGINEER | WILLDAN

On January 1, 2013, we all celebrated the beginning of a new year. But 83 cities along with the County of Los Angeles, and the Los Angeles Flood Control District—began addressing issues raised by a new water quality permit. This new permit, Order 2012-0175, was issued by the Los Angeles Regional Water Quality Control Board on November 8, 2012. It went into effect on January 1, 2013. It's not an entirely new challenge; the cities have been implementing water quality permits since 1991, with the stated goal of improving the quality of the water that runs off city streets and is discharged *untreated* to the San Gabriel River and to the Pacific Ocean.

This permit is related to the Federal Clean Water Act which was adopted in the 1970s to address the discharge of all wastewater to America's rivers and lakes. Many of us can recall stories about the Monongahela River in Pittsburgh Pennsylvania, actually catching on fire because of all the pollutants that were being indiscriminately discharged into it by a number of industries. Studies showed that without regulation, the rivers and lakes of America would eventually become unusable. To address this problem, the U.S. Environmental Protection Agency (EPA) proposed the Clean Water Act. With its passage, the discharges from sewage treatment plants—and a wide variety of other industries—came under regulation. And our rivers and lakes have made an amazing comeback.

In the late 1980s, with the new regulations successfully bringing *industrial* discharges under control, the EPA started looking at other potentially harmful discharges. They determined that the discharge of storm water from large urban areas was a significant source of pollutants that were degrading water quality. Accordingly, the Clean Water Act was amended to address the discharges of storm water to rivers and lakes. In California that responsibility fell to the state and regional water boards.

The 1991 permit issued to the cities of Los Angeles County imposed a fairly simple mandate; cities were asked to implement 13 best management practices (BMPs) to control pollutant discharges from the storm drain systems. But under this *new* regulation—a 600 page document—the cities now have to prohibit non-storm water discharges that flow through the storm drain system to LA County's rivers. The permit also requires cities to regulate construction activity involving city-issued permits, and specifically to implement BMPs that will reduce the discharge of pollutants carried by storm water runoff from properties undergoing construction.

The reader may be wondering what pollutants are covered. The definition of pollutants that cannot be discharged into water now includes dredged spoil, solid waste, incinerator residue, sewage, garbage, sewage sludge, munitions,

chemical wastes, biological materials, radioactive materials, heat, wrecked or discarded equipment, rock, sand, and cellar dirt, as well as industrial, municipal, and agricultural waste. In a typical city, this commonly includes trash and debris that ends up in the street, automotive fluids that drip or spill from vehicles on the street, and bacteria that result when the homeless cannot find sanitation facilities, or when a dog leaves a deposit on your yard. These are just a few of the urban activities that reduce water quality.

With the issuance of this new permit, the cities are facing ever-increasing demands on their limited funding. But each city must implement this permit or face enforcement by the regional board—and oversight from a number of environmental groups that are monitoring implementation of the new permit. Over the next few months you will probably see new funding requests appear on city council agendas, and cities will likely be forced to redirect funding from popular programs to implement this new mandate. We all want clean water, but it does come at a price.

Elroy Kiepke is a Professional Engineer, a Certified Building Official, and a Qualified Stormwater Developer. He serves as the Special City Engineer for the Cities of Rolling Hills Estates and Azusa.

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UPDATE ON LEGISLATIVE ADVOCACY

JAMES A. BIERY | DIRECTOR OF PUBLIC WORKS | BUENA PARK

2013 begins another two-year legislative session. Two key dates are February 22, 2013 (the last day for bills to be introduced), and May 31 (last day for any bills to be passed for any purpose). In a two year session bills do not die, and those bills that do not move out of their house of origin will again be brought up for consideration in the 2014 legislative session. With these dates in mind we will need to continue tracking bills of interest until September 13, which is the last day for each house to pass bills and then those bills move on to the Governor whose deadline is October 13 to be signed or vetoed.

The bills are considered by Legislative Committees until May 10, 2013. Typically, the League of California Cities, ASCE, APWA and others attend Committee Hearings to testify regarding their concerns or provide written comments up until May 10, 2013. Listed below is a list of bills or potential bills currently being considered and may be of interest to APWA members:

SCA 4 and SCA 8 - Special tax for transportation - these could lower the voter threshold for transportation measures. This could create more Public Works funds.

SCA 9 - Special tax for local community and Economic Development. This could create funding for Public Works again - since Redevelopment was abolished.

Zero Based Budgeting - Caltrans is starting this now. It may gain interest for use by other agencies. It is important to see how this rolls out.

High Speed Rail - Governor Brown continues this project as a top priority. Some areas are being designed now to reduce impacts and restrictions. Engineering design will be underway for the next few years but the project is only partially funded for construction. This may be one of the biggest shelf projects in the state for most of us. The segment in north end of the central valley will be

the first to be constructed.

AB 890 - CEQA exemption for minor roadway improvements. This law passed in 2012. Check to see if it applies to your pavement projects - no expansion of existing use.

AB1422 - Set November 2014 ballot for Statewide Water Bond - includes some Delta work, still underfunded. This bill passed last year.

AB1706 - Transit bus weights - This temporary allows overweight buses to use our streets - at least until January 2015. This bill passed last year., There will be a review of options before this bill expires and cities will be involved. Overweight buses definitely impact our streets, but nobody seems to have a solution.

Jim Biery is a Past President of the SoCal Chapter and chairs the Legislative Advocacy Committee. He is available at (714) 562-3672 and jbiery@buenapark.com.

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2013 Calendar

Mar 28	Chapter Luncheon — Out of This World Project Mgmt, Space Shuttle Move - Centre, Lakewood
Apr 24	2013 Streets and Technology Conference — Carson Community Center, Carson, CA
Apr 24	Chapter Luncheon — The History of Asphalt — Carson Community Center, Carson, CA
May 30	Chapter Luncheon — Joint meeting with ASCE— LA & OC MPO Exec's— Centre, Lakewood
June 27	Chapter Luncheon — LID Testing & Demo Facility—Riverside Co. Flood Control Dist, Riverside
July 25	Chapter Luncheon — Scholarship BBQ & Eco-friendly Power Plant Tour , Burbank, CA
August 25-28	APWA International Congress and Expo —McCormick Place, Chicago, IL
Sept 19	Annual GIS Conference — Carson Community Center, Carson, CA
Sept 26	Annual Chapter Golf Tournament & Chapter Dinner — Anaheim Hills GC, Anaheim, CA
Oct 24	Chapter Luncheon — Location TBA
Dec 10	Annual BEST Awards Luncheon — Lakewood, CA



2404 Elm Avenue
Manhattan Beach, CA 90266

March 28 - Out of This World Public Events Planning—Space Shuttle Endeavor Move

The Centre at Sycamore Plaza, Lakewood, CA

Moving the Space Shuttle from LAX to its new home at the California Science Center required careful coordination with affected agencies, crowd control, media relations and a whole host of other challenging tasks. Hear from the Project Managers in charge of this mammoth undertaking. Our featured speaker will be Roberto Ramirez of Cordova Engineering.

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April 24 - The Glorious History of Asphalt!

Carson Community Center, Carson, CA

Join the attendees of the Complete Streets and Technology Conference for the luncheon program. Speaker Steve Marvin of LaBelle Marvin will regale our members with this entertaining and informative presentation on the material we all love to hate.

May 30 - OCTA & MTA Execs on Major Projects

The Centre at Sycamore Plaza, Lakewood, CA

Annual joint meeting with ASCE. Come and hear the Executives of the LA and OC MPOs talk about their planned projects and programs.

Monthly Luncheon Program:

Time: 4th Thursday of the month (Unless otherwise noted)

11:30 am - 12:00 pm Registration

12:00pm - 1:30 Lunch & Program

Location: To Be Announced for Each Program

Cost: \$40 members • \$45 non-members • \$55 all walk-ins

RESERVATIONS ARE REQUIRED

RSVP: To register, go to <http://southernca.apwa.net>

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