



GOVERNMENT RELATIONS

LEGISLATIVE FLY-IN

AGENDA AND SCHEDULE

Wednesday May 17, 2017

Registration	8:30 - 9:00 AM	<i>Sutter Club, California Room</i>
Welcome & Opening Remarks	9:00 - 9:05 AM	<i>Jay Higgins, Region 9 Director</i>
Overview of Day and Safety Information	9:05 – 9:10 AM	<i>MJ Hashemi, Region 9 Government Relations Chair</i>
Introduction to the Legislative Process	9:10 – 9:45 AM	<i>Richard Markuson, ASCE Legislative Advocate Bob Franzoia, former Staff Director, Senate Appropriations Committee</i>
Keynote Speaker	9:45 – 10:00 AM	<i>Senator Bill Dodd, Senate District 3</i>
Break	10:00 – 10:05 AM	
Current Issues at BPELSG	10:05 – 10:30 AM	<i>Ric Moore, BPELSG Executive Officer</i>
Keynote Speaker	10:30 – 10:45 AM	<i>John Howard, Editor, Capitol Weekly</i>
Keynote Speaker	10:45 – 11:00 AM	<i>Assembly Member Frazier Interview and Award Acceptance Video</i>
Break	11:00 – 11:05 AM	
Talking Points and Guide to Advocacy	11:05 – 11:30 AM	<i>Richard Markuson, ASCE Legislative Advocate</i>
Role Play Sessions	11:30 – 12:00	<i>Richard Markuson, ASCE Legislative Advocate & all Attendees</i>
Lunch & Attendee Networking	12:00 - 12:30 PM	<i>Sutter Club, California Room</i>
Group Photo	12:45 - 1:00 PM	<i>California State Capitol</i>
Legislative Visits	1:00 - 4:30 PM	<i>California State Capitol</i>
Debriefing (Informal, No Host)	5:00 - 5:30 PM	<i>Hyatt Regency Lobby</i>

Key Facts About California's Infrastructure

190 public-use airports in California



\$4.85 billion of unmet needs for its parks system

1,388 bridges (**5.5%**) are structurally deficient and California spent **\$25,783,900** on bridge capital projects in 2013



230.2 million short tons of cargo in 2014, ranking it **#3** nationally

There are **678** high-hazard potential dams and **68%** of California's regulated dams have an Emergency Action Plan



5,295 miles of rail across the state, ranking **#3** by mileage nationally

\$44.5 billion in drinking water infrastructure needs over 20 years



195,834 miles of public roads, with **50%** in poor condition

766.1 trillion British thermal units of renewable energy produced, ranking **#2** nationally



\$844 per motorist per year in costs from driving on roads in need of repair

98 sites on the National Priorities List



\$3.2 billion gap in estimated school capital expenditures in California

290 miles of inland waterways, ranking **#26** nationally



1,435,298,779 annual unlinked passenger trips via transit systems including bus, transit, and commuter trains

9,560 miles of levees in California in the National Levee Database



\$26.2 billion in wastewater infrastructure needs over 20 years



2017

INFRASTRUCTURE REPORT CARD

America's Grade: **D+**



Aviation

U.S. Airports serve 2 million passengers daily



Bridges

9.1% of bridges rated structurally deficient



Dams

15,498 (17%) dams identified as high-hazard potential

Schools

53% of schools need improvements to reach "good" condition



Drinking Water

6 billion gallons of treated water lost every day



Solid Waste

258 million tons of municipal solid waste generated in one year



Parks

11.9 billion in National Park Service deferred maintenance



Roads

6.9 billion hours delayed in traffic - 42 hours per driver



Transit

\$90 billion transit maintenance backlog



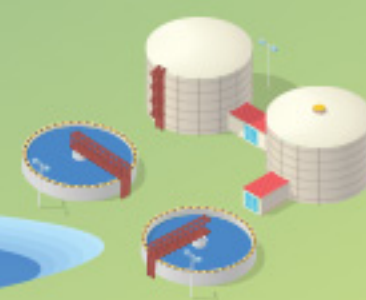
Rail

\$27 billion in improvements in one year by the freight railroads



Wastewater

Demand on treatment plants will grow more than 23% by 2032



Energy

3,571 total power outages reported in one year



Inland Waterways

49% of vessels experience delays across the inland waterways system



Levees

Over \$1.3 trillion in property value behind levees



Ports

99% of America's overseas trade passes through ports



Hazardous Waste

53% of Americans lives within 3 miles of a hazardous waste site



Founded in 1852, the American Society of Civil Engineers represents more than 150,000 members of the civil engineering profession worldwide and is America's oldest national engineering society.

ASCE Mission: ASCE is the preeminent organization representing the civil engineering profession. Its mission is to provide essential value to its members and partners, advance civil engineering, and serve the public good. ASCE facilitates the advancement of technology, encourages and provides the tools for lifelong learning, promotes professionalism and the profession, influences public policy, and develops and supports civil engineer leaders. ASCE advocates investment in infrastructure, promotes the adoption of sustainable practices and seeks to "Raise the Bar" on engineering knowledge and competency.

Leadership and Organization: In 2016-2017, the Society's Board of Direction is led by President Norma Jean Mattei, Ph.D., P.E., F.SEI, F.ASCE, Past President Mark Woodson, P.E., L.S., D.WRE, F.ASCE, President-Elect Kristina Swallow, P.E., ENV SP, F.ASCE, and Executive Director Thomas W. Smith III, ENV SP, CAE, F.ASCE, leads the Society's 275 staff members. ASCE's membership is organized into nearly 400 local affiliates, which include 75 Sections, 158 Branches and 130 Younger Member Groups.

CALIFORNIA Leadership and Organization: In 2016-2017, the ASCE California (Region 9) Board of Governors is led by Jay H. Higgins, P.E., ENV SP, F.ASCE, Chair/Director; Kwame Agyare, P.E., M.ASCE, Governor, At-Large and Vice-Chair; John C. Hogan, P.E., M.ASCE, Governor, Los Angeles Section; Jim Frost, P.E., M.ASCE, Governor, San Diego Section and Internal Secretary; Matt Kennedy, P.E., M.ASCE, Governor, San Francisco Section and External Secretary; Thor Larsen, P.E., M.ASCE, Governor, Sacramento Section; and Kenneth H. Rosenfield, P.E., F.ASCE, Governor, At-Large. ASCE Region 9 comprises over 18,000 members, and is organized into 4 Sections, 17 Branches, 12 Younger Member Groups, and 25 Student Chapters.

Engineering Programs: Each year, more than 6,000 civil engineering professionals contribute volunteer technical expertise that benefits the Society and the profession through participation on ASCE technical committees. The efforts of these volunteers advance the profession in many ways including the numerous conferences held each year and the creation of practice manuals, journals and standards. As an ANSI-accredited standards development organization, ASCE committees use an established and audited process to produce consensus standards.

The Society has nine institutes created to serve professionals working within specialized fields of civil engineering. ASCE's nine institutes include the Architectural Engineering Institute (AEI); the Coasts, Oceans, Ports and Rivers Institute (COPRI); the Construction Institute (CI); the Engineering Mechanics Institute (EMI); the Environmental and Water Resources Institute (EWRI); the Geo-Institute (G-I); the Structural Engineering Institute (SEI); the Transportation and Development Institute (T&DI); and the Utility Engineering & Surveying Institute (UESI). ASCE's Committee on Technical Advancement (CTA) focuses on additional specialty areas: Aerospace Engineering, Cold Regions Engineering, Computing in Civil Engineering, Energy, Forensics Engineering, Infrastructure Resilience, Wind Engineering and Adaptation to Climate Change.

Government Relations & Infrastructure Initiatives:

ASCE is the voice of the civil engineering profession in federal and state policymaking. The Society's federal priority issues include infrastructure improvement and investment, drinking water and wastewater, water resources infrastructure, transportation and related infrastructure, natural hazards mitigation and infrastructure security, sustainable development and sustainable energy use, qualifications-based selection (QBS) for engineering services and STEM education. State priority issues include continuing education, licensing, STEM education, QBS engineering services, sustainability, and transportation infrastructure and related financing.

Through its *Infrastructure Report Card*, State and Regional Infrastructure Report Cards, economic studies, Fix the Trust Fund website, and #GameChangers project, ASCE has become widely recognized for its efforts to engage the public as informed advocates for the renewal and development of America's public works.

ASCE's Key Contact Program keeps members apprised of critical national issues affecting the civil engineering profession, offering them the opportunity to engage with federal and state lawmakers and advocate on behalf of the profession.

The Society's Government Relations office is located at 101 Constitution Ave., NW, Suite 375 East, Washington, D.C. 20001. Call 202-789-7850 or email govwash@asce.org.

Media Relations:

ASCE maintains a program devoted to enhancing public awareness and understanding of civil engineering and its impact on society. Stories featuring ASCE and its members have appeared in *The Wall Street Journal*, *The New York Times*, *USA Today*, *The Washington Post*, the *Los Angeles Times*, , and on National Public Radio, NBC's *Today Show*, *60 Minutes*, *CBS Evening News* and HBO's *Last Week Tonight with John Oliver*, among many others.

The *Infrastructure Report Card* and the *Failure to Act* economic study garner media mentions daily, even years after release. In addition, ASCE members across the country participate in interviews in their communities. With the Report Card's state facts and State Report Cards, ASCE conducts regular outreach to state media with locale-specific information, ensuring greater media attention and more stories.

By establishing and cultivating relationships with news outlets and reporters, ASCE has become a trusted resource, providing expert commentary during the reporting of breaking news related to civil engineering and infrastructure, such as the recent Oroville Dam crisis, dam failures and flooding in South Carolina, and the drinking water crisis in Flint, Michigan.

Professional Activities: ASCE is dedicated to helping its members navigate the issues currently affecting the profession, including licensure, ethics, employment, business practices, career development, leadership and management.

ASCE supports inclusion of civil engineers from diverse backgrounds and values their contributions, skill sets and broad professional experiences. ASCE's Pre-College Outreach Program increases awareness, understanding and interest in civil engineering among preK-12 grade students to develop future engineers and knowledgeable citizens. ASCE members volunteer their time to the STEM education community by providing hands-on activities about civil engineering, educating young people about the many ways civil engineers make a difference in the world;. To see our complete set of resources please visit http://www.asce.org/pre-college_outreach/.

Publications: ASCE is the world's largest publisher of civil engineering information with publications being the largest revenue-producer for ASCE. The Publications Division produces 36 professional journals, conference proceedings, Standards, manuals of practice, technical reports and monographs under the ASCE Press imprint.

ASCE Foundation: Founded in 1994 as the philanthropic arm of the American Society of Civil Engineers, the ASCE Foundation (a separate 501(c)3) supports programs that enable ASCE to influence the future of the civil engineering profession. During the last 20 years, the Foundation has provided more than \$25 million in funding thanks to members' charitable gifts. In 2017, the Foundation's goal is to raise and immediately grant to ASCE \$1.7 million in funds. It does this through a robust fundraising program that includes annual, major and planned gifts. All gifts to the Foundation are tax-deductible. For more information, please visit www.ascefoundation.org.



GOVERNMENT RELATIONS LEGISLATIVE FLY-IN

TEN TIPS FOR MEETING WITH YOUR CALIFORNIA SENATOR AND ASSEMBLY MEMBER

Establishing a solid relationship with your legislators is a good way to help advance the engineering profession in the public policy arena and improve congressional decision-making. Here are some helpful hints:

- 1. Call ahead of time for an appointment,** either in the district or Sacramento office.
- 2. Be confident.** Don't feel intimidated by the legislator. Most likely, you are more of an expert on your subject than the legislator. Be confident.
- 3. Be personable.** If possible, begin your meeting by complimenting the Senator or Assembly Member on legislation that s/he has written or supported. This will set a pleasant tone for the rest of your meeting.
- 4. Be knowledgeable of your subject and organized in your presentation.** Show that you are a credible authority on your topic and keep your pitch concise. Remember to emphasize how the issue affects those in your community. For instance, infrastructure investment is a national issue with local ramifications.
- 5. Be open to questions.** Be an active listener and answer the legislator's questions with accurate facts. If you're unsure about an answer, offer to look into the matter and call back.
- 6. Stay on point.** Don't allow the legislator to divert from a subject matter. If s/he attempts to evade your question, tactfully ask for an answer on how the Senator or Assembly Member plans to vote on the issue.
- 7. Be polite but diligent when your legislator seems unsupportive of your cause.** Respond to any hostility by providing arguments to opponent's questions. This may require you to do some additional research before you meet with your legislator.
- 8. Tell your story.** Emphasize that the legislator's constituency supports what you are advocating. The fact that an issue is important to his/her constituents will most likely prompt the Senator or Assembly Member to make your goals part of his/her agenda.
- 9. Ask for a commitment.** Find out exactly how the Senator or Assembly Member will further your cause. But, do not press for a commitment if your legislator is clearly opposed to your views.
- 10. Be willing to meet with a staff person** if the legislator is unavailable. A staffer is able to inform the Senator or Representative of your views and relay your concerns.



Issue Brief

Providing Increased Transportation Investments – The Road Repair and Accountability Act of 2017

ASCE Position

The American Society of Civil Engineers (ASCE) Region 9 has long supported measures that address the state's transportation funding crisis. SB 1 (Beall) and AB 1 (Frazier), along with Governor Brown's proposed budget proposals, brought this matter into the current legislative session. The outcome of the passage of SB 1 will provide the means to repair this infrastructure under the "fix it first" model and provide long-term funding sustainability. This measure is an important step toward addressing the chronic backlog of deferred maintenance for our State's Transportation System. ASCE Region 9 thanks you for your support of infrastructure which enhances the quality of life for all Californians.

Key Points

- The legislation invests \$52.4 billion over the next decade - split equally between state and local projects to (a) Fix Local Streets and Transportation Infrastructure (50 percent); and (b) Fix State Highways and Transportation Infrastructure (50 percent):
- The bills also ensure Taxpayer Dollars Are Spent Properly with Strong Accountability Measures, including (i) Constitutional amendment to prohibit spending the funds on anything but transportation, (ii) Inspector General to ensure Caltrans and any entities receiving state transportation funds spend taxpayer dollars efficiently, effectively and in compliance with state and federal requirements, (iii) Provision that empowers the California Transportation Commission to hold state and local government accountable for making the transportation improvements they commit to delivering, (iv) Authorization for the California Transportation Commission to review and allocate Caltrans funding and staffing for highway maintenance to ensure those levels are reasonable and responsible, and (v) Authorization for Caltrans to complete earlier mitigation of environmental impacts from construction, a policy that will reduce costs and delays while protecting natural resources.
- The transportation investment package is funded by everyone who uses California roads and highways, including: (a) \$7.3 billion by increasing diesel excise tax 20 cents, (b) \$3.5 billion by increasing diesel sales tax to 5.75 percent, (c) \$24.4 billion by increasing gasoline excise tax 12 cents, (d) \$16.3 billion from an annual transportation improvement fee based on a vehicle's value (from \$25 to \$175), (e) \$200 million from an annual \$100 Zero Emission Vehicle fee commencing in 2020, and (f) \$706 million in General Fund loan repayments.

Action

- **Ask your Assembly Member** to continue to support measures such as AB 1 that increase transportation investments in California



Issue Brief

□ **Ask your Senators** to continue to support measures such as SB 1 that increase transportation investments in California

Background

□ ASCE's ASCE has long been an advocate for improving and maintaining the nation's infrastructure. ASCE's 2017 Infrastructure Report Card rates the overall condition of the nation's infrastructure a "D+," with an investment gap of \$2 trillion. An economic study we released last year found that the U.S. is on track to invest only half of what is needed in infrastructure over the next decade. This underinvestment will cause our infrastructure to further degrade, resulting in a loss of 2.5 million jobs and \$3.9 trillion in GDP by 2025. And it will cost American families \$3,400 a year – \$9 a day.

ASCE References

- ASCE policy paper, "Modernizing the Nation's Surface Transportation Program: A Blueprint for Success" <http://www.asce.org/issues-and-advocacy/public-policy/authorization-of-the-nation-s-surface-transportation-funding-program--a-blueprint-for-success/>
- ASCE 2012 *California Infrastructure Report Card* – www.ascecareportcard.org
- ASCE 2017 *Report Card for America's Infrastructure* – download the app at www.infrastructurereportcard.org
- For updates on surface transportation authorization, visit ASCE's advocacy webpage: www.FixTheTrustFund.org
- ASCE Policy Statement 382 – Transportation Funding
- ASCE Policy Statement 434 – Transportation Trust Funds
http://www.asce.org/public_policy_statements/
- ASCE Failure to Act: The Economic Impact of Current Investment Trends in Surface Transportation economic study www.asce.org/failure_to_act_economic_studies/

ASCE Staff Contact

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Issue Brief

Recognizing the Role of Critical Infrastructure – Infrastructure Week (SCR 35)

ASCE Position

The American Society of Civil Engineers (ASCE) Region 9 supports efforts to recognize the role critical infrastructure plays in building a robust economy and supporting public health, safety and welfare. SCR 35 recognizes the week of May 15, 2017, to May 19, 2017 as Infrastructure Week. ASCE believes that making vital investments in infrastructure must be a priority.

Key Points

- Since ASCE first began evaluating the Nation's infrastructure conditions in 1998, the overall grade has fallen from a C to a D+. Worse, the total cost from 2016 to 2025 to upgrade our vital infrastructure systems from their current D+ to a B has risen to \$4.59 trillion.
- The people of California rely on critical infrastructure, such as roads and bridges, railroads and transit systems, ports and airports, pipes and water systems, reliable power supply, passive and active open space, and access to broadband, and this infrastructure enhances our local and regional economy, our quality and enjoyment of life, our safety, and the strength of our communities
- Infrastructure enhances our local and regional economy, our quality and enjoyment of life, our safety, and the strength of our communities. However, decades of underfunding and deferred maintenance have pushed infrastructure across the state to the brink of crisis, with preventable catastrophic failures occurring in some communities.
- California risks losing its competitive advantage by failing to adequately invest in its infrastructure. The poor condition of California's infrastructure and transportation systems is more than a drag on the economy: it can be harmful to our health and safety, even though tragedies resulting from infrastructure failures are most often preventable with adequate investment.
- Every dollar invested in infrastructure generates nearly \$2 in economic output. To grow our economy, keep people safe, strengthen our communities, and preserve and protect our green infrastructure and environment, we need all levels of government and the private sector to work together to rebuild and repair all of our infrastructure.
- Infrastructure Week 2017 has been established to highlight infrastructure investment needs in communities throughout California, and to recognize and encourage leadership at the federal, state, and local levels to address our pressing infrastructure challenges.

Action

- **Ask your Assembly Member** to continue to support measures such as SCR 35 that recognize the role of critical infrastructure, and Infrastructure Week.



Issue Brief

□ **Ask your Senators** to continue to unanimously support measures such as SCR 35 that recognize the role of critical infrastructure, and Infrastructure Week.

Background

□ ASCE's ASCE has long been an advocate for improving and maintaining the nation's infrastructure. ASCE's 2017 Infrastructure Report Card rates the overall condition of the nation's infrastructure a "D+," with an investment gap of \$2 trillion. An economic study we released last year found that the U.S. is on track to invest only half of what is needed in infrastructure over the next decade. This underinvestment will cause our infrastructure to further degrade, resulting in a loss of 2.5 million jobs and \$3.9 trillion in GDP by 2025. And it will cost American families \$3,400 a year – \$9 a day.

ASCE References

- ASCE 2012 *California Infrastructure Report Card* – www.ascecareportcard.org
- ASCE 2017 *Report Card for America's Infrastructure* – download the app at www.infrastructurereportcard.org
- ASCE Policy Statement 131 – Growth and Development
- ASCE Policy Statement 299 – Infrastructure Investment Policy
http://www.asce.org/public_policy_statements/

ASCE Staff Contact

In California (Region 9) Richard Markuson, ASCE Region 9 Legislative Advocate,
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THIRD READING

Bill No: SCR 35
Author: Beall (D)
Introduced: 3/8/17
Vote: 21

SUBJECT: Infrastructure Week

SOURCE: American Society of Civil Engineers Region 9
Professional Engineers in California Government

DIGEST: This resolution recognizes the week of May 15, 2017, to May 19, 2017, inclusive, as Infrastructure Week, and urges the citizens of California to join in this special observance with appropriate events and commemorations.

ANALYSIS: This resolution makes the following legislative findings:

- 1) The people of California rely on critical infrastructure, such as roads and bridges, railroads and transit systems, ports and airports, pipes and water systems, reliable power supply, passive and active open space, and access to broadband.
- 2) This infrastructure enhances our local and regional economy, our quality and enjoyment of life, our safety, and the strength of our communities.
- 3) Decades of underfunding and deferred maintenance have pushed infrastructure across the state to the brink of crisis, with preventable catastrophic failures occurring in some communities.
- 4) Every dollar invested in infrastructure generates nearly \$2 in economic output.
- 5) Infrastructure Week challenges policymakers and the public to address head-on the challenges facing green and traditional infrastructure, to move beyond short-term fixes and deferred maintenance, and to envision the innovative solutions, technologies, policies, and investments that will improve our infrastructure today and in the future.

This resolution recognizes the week of May 15, 2017, to May 19, 2017, as Infrastructure Week, and urges the citizens of California to join in this special observance with appropriate events and commemorations. This resolution provides that despite fiscal challenges, it is important for the Legislature to dedicate sufficient resources to transportation, infrastructure, and green investments in our community.

Related/Prior Legislation

SR 74 (Beall, 2016) recognized the week of May 16 to 23, 2016, inclusive, as Infrastructure Week in the State of California. The resolution was adopted by the Senate.

FISCAL EFFECT: Appropriation: No Fiscal Com.: No Local: No

SUPPORT: (Verified 3/21/17)

American Society of Civil Engineers Region 9 (co-source)
Professional Engineers in California Government (co-source)
AFSCME, AFL-CIO
American Council of Engineering Companies California
California Geotechnical Engineering Association
National Society of Professional Engineers California
Structural Engineers Association of California

OPPOSITION: (Verified 3/14/17)

None received

Prepared by: Karen Chow / SFA / (916) 651-1520
3/22/17 12:56:05

**** END ****



Issue Brief

Expanding Design-Build Procurement Process to California Special Districts – Local Agency Design-Build Projects (AB 851)

ASCE Position

The American Society of Civil Engineers (ASCE) Region 9 supports the utilization of multiple procurement options for public infrastructure improvements in order to align the best results for the type of infrastructure being implemented. AB 851 (Caballero) modifies the definition of “local agency” that may use the design-build procurement process, to include Special Districts that provide or operate specified types of services or facilities. Providing public agencies with these procurement options will result in the efficient utilization of scarce public dollars.

Key Points

- ☐ Design-build is a project delivery system whereby both design and construction responsibilities are consolidated into a single contract to better achieve the owner's objectives with regards to cost, quality, and schedule.
- ☐ Existing law authorizes a local agency, until January 1, 2025, to use the design-build procurement process when contracting for specified public works, and defines the term “local agency” for those provisions to mean specified entities, including a city or county, or a special district that operates specified types of facilities. Existing law authorizes a city or county or a special district that falls within the definition of a local agency to use the design-build procurement process for specified types of public works projects.
- ☐ This bill would modify the definition of “local agency” for those purposes to include special districts that provide or operate specified types of services or facilities. This bill would expand the list of public works projects for which a local agency may utilize the design-build procurement process.

Action

- ☐ **Ask your Assembly Member** to support AB 851 Caballero, as amended, that extends the use of design-build projects to California Special Districts



Issue Brief

□ **Ask your Senators** to continue to support measures such as AB 851 that extend the use of design-build projects to California Special Districts

Background

- The American Society of Civil Engineers (ASCE) supports the use of Qualifications-Based Selection (QBS) criteria when using the two-phase competitive source-selection process required by the Federal Acquisition Reform Act of 1996 for design-build contracts awarded by government agencies.
- The Act clearly contemplates retaining the essential QBS concepts embodied in the Brooks Act and requires that the contracting agency ("owner") devote sufficient architectural and engineering (A/E) services to prepare the design-build solicitation (which must identify the disciplines needed in the design-build team), and to represent the owner's interests throughout the project duration.
- Design-build is a project delivery system whereby both design and construction responsibilities are consolidated into a single contract, in order to better achieve the owner's objectives with regards to cost, quality, and schedule. However, this approach presents certain challenges which must be addressed if quality is not to be arbitrarily sacrificed in favor of cost or schedule. These challenges include: (a) ensuring that the design-build team is highly qualified in both the construction and the design fields, and (b) providing a contractual mechanism enabling the designer to fulfill its professional and ethical obligations to the owner and the general public.

ASCE References

- ASCE Policy Statement 400 – Design-Build Procurement

ASCE Staff Contact

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Issue Brief

Supporting Programs that foster Teaching of Science, Technology, Engineering and Mathematics (STEM) – STEM Professional Teaching Pathways Act (SB 436)

ASCE Position

The American Society of Civil Engineers (ASCE) Region 9 supports programs that foster an appreciation and understanding of science, technology, engineering and mathematics (STEM) at the K-12 level. SB 436 (Allen) establishes the California STEM Professional Teaching Pathway to recruit, train, support, and retain qualified science, technology, engineering and mathematics (STEM) professionals, including military veterans, as mathematics and science teachers in California.

Key Points

- ☐ Existing law establishes a system of public elementary and secondary schools in this state and authorizes local educational agencies throughout the state to operate schools and provide instruction to pupils in kindergarten and grades 1 to 12, inclusive.
- ☐ Existing law also requires the Commission on Teacher Credentialing to, among other things, establish professional standards, assessments, and examinations for entry and advancement in the education profession and to establish standards for the issuance and renewal of credentials, certificates, and permits. Existing law in addition establishes the California Center on Teaching Careers for the purpose of recruiting qualified and capable individuals into the teaching profession, as provided.
- ☐ The bill would authorize various activities as part of the California STEM Professional Teaching Pathway, including developing and distributing statewide recruitment materials encouraging interested STEM professionals to pursue teaching careers in mathematics and science and providing information to STEM professionals regarding the requirements for obtaining a teaching credential in mathematics and science and how to complete those steps, applying to teacher preparation programs, and accessing financial aid.
- ☐ ASCE supports STEM programs that: provide all students, regardless of background or career intentions, with STEM literacy that enables them to be successful in our increasingly technological society; support the development and implementation of high-quality college-preparatory and career-ready standards in STEM disciplines; and encourage students to pursue careers in STEM disciplines, including civil engineering.

Action

- ☐ **Ask your Assembly Member** to support bills such as SB 436 (Allen) that foster STEM education in California



Issue Brief

□ **Ask your Senators** to support SB 436 (Allen) to ensure that there are sufficient pathways for would-be teachers to support the teaching of STEM in California.

Background

- The American Society of Civil Engineers (ASCE) believes that our education system is not meeting the needs of our increasingly technological society. Many elementary, middle, and high school students do not receive adequate instruction, inspiration, motivation, and information to pursue STEM education at the college level. Moreover, many of these students receive little or no exposure to engineering. As a result, students who have the aptitude to be successful engineers never have an opportunity to develop an interest in this career path.
- STEM education is closely linked with our nation's economic prosperity, social well-being, and environmental sustainability. Strong STEM skills are a central element of well-rounded education and essential to effective citizenship. There is a need to provide STEM education at all levels of our education system, to promote the pursuit of STEM careers, and to guide qualified students toward civil engineering careers
- ASCE support programs nationwide that foster the teaching of STEM.

ASCE References

- ASCE Policy Statement 377 – Science, Technology, Engineering and Mathematics (STEM) Education

ASCE Staff Contact

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Issue Brief

Supporting Creation of Joint Legislative Infrastructure Committee

ASCE Position

The American Society of Civil Engineers (ASCE) Region 9 supports the creation of a Joint Legislative Infrastructure Committee.

Key Points

- ☐ In their August 2011 report *A Ten-Year Perspective: California Infrastructure Spending* the Legislative Analyst included some suggestions on improving the infrastructure planning process. *“To effectively assess the enormous variety and complexity of the state’s infrastructure needs, the state needs a well-defined process for planning and financing projects. Unfortunately, the state currently lacks such a process. In order to better address the issue of infrastructure planning and financing, we believe it is time to alter the state’s approach.”* They made several observations:
 - ☐ *Infrastructure Funding Remains a Mostly Ad Hoc Decision Making Process.*
 - ☐ *Previous administrations have not consistently provided an annual five-year statewide infrastructure plan. (Brown has been more consistent)*
 - ☐ *The Legislature’s decision-making process remains fragmented.*
 - ☐ *Each of these planning failures contributes to the other. Without a clear legislative process for debating and acting upon the statewide infrastructure plan, the administration has little incentive to prepare the plan for the Legislature. Without a comprehensive statewide plan to consider, the Legislature continues with the existing approach to infrastructure financing and spending.”*
- ☐ Their conclusion: Establish Legislative Committees to Focus on Statewide Infrastructure.

Action

- ☐ **Ask your Assembly Member** to support *the creation of a Joint Legislative Infrastructure Committee*



Issue Brief

- **Ask your Senators** to support *the creation of a Joint Legislative Infrastructure Committee*

Background

- California's infrastructure includes a diverse array of capital facilities across many program areas. Additionally, the state provides funding for local public infrastructure such as K-12 schools and local streets and roads. Over the last decade, infrastructure costs have taken up a larger share of the state's budget, yet the state's infrastructure demands continue to grow. In this report, we summarize the state's infrastructure spending and provide ideas for planning and funding future infrastructure. Specifically, we recommend that the Legislature establish a more coordinated process for financing infrastructure. Throughout the report, we also highlight ways the state could manage infrastructure to reduce state costs such as prioritizing the state's infrastructure investments to the most critical and appropriate programs, adopting strategies to reduce infrastructure demand, and identifying additional revenue to support infrastructure.

ASCE References

- **A Ten-Year Perspective: California Infrastructure Spending**
<http://www.lao.ca.gov/Publications/Detail/2509>

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GOVERNMENT RELATIONS

LEGISLATIVE FLY-IN

Please complete one form per meeting and print as legibly as possible. If there are multiple ASCE members in your meeting, you may include their names at the bottom.

CALIFORNIA STATE CAPITOL ISSUES WORKSHEET

Senator/Assembly Member: _____

Met with (circle one): Legislator Staffer Both

If staffer, full name: _____

ISSUES:	Supports our position	Opposes our position	Has no position	Not discussed
Transportation Funding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments: (continue on back if necessary)				
National Infrastructure Week Issues	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments: (continue on back if necessary)				
Local Agency Design-Build Projects	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments: (continue on back if necessary)				
STEM Professional Teaching Pathways	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments: (continue on back if necessary)				
Joint Legislative Infrastructure Committee	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comments: (continue on back if necessary)				

Place Additional Comments on back.

Name(s): _____

E-mail: _____

Please give to an ASCE Region 9 Board of Governors or staff member or email to aettley@gmail.com. Thank you.

LIST OF AYE VOTES FOR SB1

LAST	FIRST	HOUSE	SALUTATION		LAST	FIRST	HOUSE	SALUTATION
Allen	Ben	Senate	Senator		Aguiar-Curry	Cecilia	Assembly	Assembly Member
Atkins	Toni	Senate	Senator		Arambula	Joaquin	Assembly	Assembly Member
Beall	Jim	Senate	Senator		Berman	Marc	Assembly	Assembly Member
Bradford	Steven	Senate	Senator		Bloom	Richard	Assembly	Assembly Member
Cannella	Anthony	Senate	Senator		Bocanegra	Raul	Assembly	Assembly Member
deLeón	Kevin	Senate	Senator		Bonta	Rob	Assembly	Assembly Member
Dodd	Bill	Senate	Senator		Burke	Autumn	Assembly	Assembly Member
Galgiani	Cathleen	Senate	Senator		Caballero	Anna	Assembly	Assembly Member
Hernandez	Ed	Senate	Senator		Calderon	Ian	Assembly	Assembly Member
Hertzberg	Bob	Senate	Senator		Cervantes	Sabrina	Assembly	Assembly Member
Hill	Jerry	Senate	Senator		Chau	Ed	Assembly	Assembly Member
Hueso	Ben	Senate	Senator		Chiu	David	Assembly	Assembly Member
Jackson	Hannah-Beth	Senate	Senator		Chu	Kansen	Assembly	Assembly Member
Lara	Ricardo	Senate	Senator		Cooley	Ken	Assembly	Assembly Member
Leyva	Connie	Senate	Senator		Cooper	Jim	Assembly	Assembly Member
McGuire	Mike	Senate	Senator		Dababneh	Matthew	Assembly	Assembly Member
Mendoza	Tony	Senate	Senator		Daly	Tom	Assembly	Assembly Member
Mitchell	Holly	Senate	Senator		Eggman	Susan	Assembly	Assembly Member
Monning	William	Senate	Senator		Frazier	Jim	Assembly	Assembly Member
Newman	Josh	Senate	Senator		Friedman	Laura	Assembly	Assembly Member
Pan	Richard	Senate	Senator		Garcia	Cristina	Assembly	Assembly Member
Portantino	Anthony	Senate	Senator		Garcia	Eduardo	Assembly	Assembly Member
Roth	Richard	Senate	Senator		Gipson	Mike	Assembly	Assembly Member
Skinner	Nancy	Senate	Senator		Gloria	Todd	Assembly	Assembly Member
Stern	Henry	Senate	Senator		Gomez	Jimmy	Assembly	Assembly Member
Wieckowski	Bob	Senate	Senator		GonzalezFletcher	Lorena	Assembly	Assembly Member
Wiener	Scott	Senate	Senator		Gray	Adam	Assembly	Assembly Member
					Grayson	Timothy	Assembly	Assembly Member
					Holden	Chris	Assembly	Assembly Member
					Irwin	Jacqui	Assembly	Assembly Member
					Jones-Sawyer	Reginald	Assembly	Assembly Member
					Kalra	Ash	Assembly	Assembly Member
					Levine	Marc	Assembly	Assembly Member
					Limón	Monique	Assembly	Assembly Member
					Low	Evan	Assembly	Assembly Member
					McCarty	Kevin	Assembly	Assembly Member
					Medina	Jose	Assembly	Assembly Member
					Mullin	Kevin	Assembly	Assembly Member
					Muratsuchi	Al	Assembly	Assembly Member
					Nazarian	Adrin	Assembly	Assembly Member
					O'Donnell	Patrick	Assembly	Assembly Member
					Quirk	Bill	Assembly	Assembly Member
					Quirk-Silva	Sharon	Assembly	Assembly Member
					Rendon	Anthony	Assembly	Assembly Member
					Reyes	EloiseGómez	Assembly	Assembly Member
					Ridley-Thomas	Sebastian	Assembly	Assembly Member
					Rodriguez	Freddie	Assembly	Assembly Member
					Rubio	Blanca	Assembly	Assembly Member
					Santiago	Miguel	Assembly	Assembly Member
					Stone	Mark	Assembly	Assembly Member
					Thurmond	Tony	Assembly	Assembly Member
					Ting	Philip	Assembly	Assembly Member
					Weber	Shirley	Assembly	Assembly Member
					Wood	Jim	Assembly	Assembly Member