



MEMORANDUM

TO: ASCE Board of Direction
Region Boards of Governors

FROM: Thomas W. Smith III, CAE, ENV SP, F.ASCE
Secretary

DATE: November 2, 2017

SUBJECT: Declared Candidates for President-elect and Election Guidelines

Pursuant to the ASCE Bylaws, I am pleased to notify you that the following four (4) individuals have submitted their declaration of intent to pursue the office of ASCE President-elect in the 2018 election. Please find attached the Biographical and Vision Statements for the declared Candidates.

- ATTACHMENT 1:** Louis C. Aurigemma, P.E., F.ASCE (Region 5)
(954) 303-4179; louaurigemma@yahoo.com
- ATTACHMENT 2:** Kancheepuram (Guna) N. Gunalan, Ph.D., P.E., D.GE. F.ASCE
(Region 8)
(801) 904-4166; k.n.gunalan@aecom.com
- ATTACHMENT 3:** Jay H Higgins, P.E., ENV SP, F.ASCE (Region 9)
(818) 406-4896; jayhiggins896@gmail.com
- ATTACHMENT 4:** Thomas R. Walther, P.E., ENV SP, F.ASCE (Region 3)
(715) 835-4511; walthetr@charter.net

Pursuant to the Rules of Policy and Procedure, **only a Geographic Region with declared Candidates may select up to two (2) individuals as Nominees for President-elect from among the declared Candidates from their Region.** The Chair of the Geographic Region Board of Governors shall convene a meeting on a date and time that will ensure the name(s) of their President-elect Nominee(s) are submitted to the Society Secretary not later than **December 1** for consideration by the Board of Direction Nominating Committee.

All activities associated with the Society's election shall be conducted with due regard for the high character and dignity of the Society and the profession, and shall conform to the standards represented by the Code of Ethics. Please refer to the list of frequently asked questions provided in **Attachment 5** to ensure you and your members comply with the current election rules.

The election process is designed to respect each member's needs and time. It is the intent of the process to keep the electorate informed while also shielding members from unwanted intrusions and limiting expenses for Nominees.

The Society manages the Society-level election process. Election questions and conflicts should be referred to the Society Secretary through Patty Montgomery (pmontgomery@asce.org; 703/295-6101) for resolution. In the case of violations to stated election procedures, the Society Secretary may refer the violation to the Executive Committee or Committee on Professional Conduct, as appropriate.

Please feel free to contact Patty with any questions you may have regarding the election.

cc: Louis C. Aurigemma, P.E., F.ASCE
Kancheepuram (Guna) N. Gunalan, Ph.D., P.E., D.GE., F.ASCE
Jay H Higgins, P.E., ENV SP, F.ASCE
Thomas R. Walther, P.E., ENV SP, F.ASCE



LOUIS C. AURIGEMMA, P.E., F.ASCE
PRESIDENT-ELECT CANDIDATE

VISION STATEMENT

I am truly humbled to have the opportunity to prepare this Vision Statement as a tool to work with ASCE Members and future ASCE Boards of Direction.

The ASCE Board of Direction approved the following six goal statements for the Society during its October 2017 Board meeting in New Orleans, LA:

- Civil engineers develop and apply innovative, state-of-the-art practices and technologies.
- All infrastructure is safe, efficient, and sustainable.
- ASCE advances the educational and professional standards for civil engineers.
- The public values civil engineers' essential role in society.
- An ever-growing number of civil engineers are members of, and engage in, ASCE.
- ASCE excels in strategic and operational effectiveness.

ASCE must continue to provide “member value” and maintain the Society’s Vision, Mission and Goals to (paraphrase) building a better quality of life while protecting the public’s health, safety and welfare. ASCE does have other challenges such as organizational membership, finances and effectiveness (member value). We, as an Organization, must have the proper balance of the strategic vision, goals and objectives.

ASCE issued its 2017 Report Card with a D+ infrastructure grade and a \$2+ trillion funding gap. Since the initial ASCE Report Card in 1998, the highest overall grade received has been a D+. We all know that our current and past Report Cards are not acceptable as we continue to lose ground on improving our Infrastructure.

I was reading the October 2017 issue of Car and Driver magazine and much to my surprise, the ASCE Report Card was mentioned in their article “Infrastructure Rupture – Rating the Terribleness of American Roads”. This was an excellent article that could have been published in **ASCE Civil Engineering** magazine. The article included roads in all 50 states with the number of road miles and percentage of road miles in poor condition; number of bridges with the percentage of structural deficient bridges and the gasoline tax per gallon sold in each state. This article certainly opened my eyes that the ASCE Report Card is infiltrating in many areas, not just engineering circles!

The Report Card together with the six goal statements and the future Strategic Plan(s) are intertwined. The sustainability of our quality of life will heavily depend on our political leaders making decisions to stop “kicking the can down the road”. It is up to us to educate elected officials, cutting through the “bureaucracy” and ultimately investing in our infrastructure (existing and proposed).

For those of us involved in ASCE for any period of time, we know that ASCE is full of acronyms. Therefore, I would like to put on a public relations/marketing “hat” and introduce a new “campaign” acronym, and embark:

I³ (I-cubed), Invest(ment) In Infrastructure

While efforts are being made across our country to invest in our infrastructure, more has to be done. Our political leaders at the local, state and federal levels must come together to make I³ a reality. Our Investment In Infrastructure will not happen overnight. However, we must educate our leaders and citizens on the significant benefits to our quality of life by investing in our Nation’s infrastructure.

I³ must represent bold and intelligent solutions to bringing America’s infrastructure to a respectable/acceptable level as determined by future ASCE report cards. Infrastructure has a certain design life -- it does not last forever. When the design life is exceeded, negative occurrences -- including loss of life -- could happen. Much of our infrastructure may be considered “out of sight, out of mind”, however, that does not obviate the need to maintain and update our infrastructure.

Public Funds are sometimes not properly prioritized and unfortunately, infrastructure improvements suffer. Publicly funding new sports stadiums across the country are glitzy and great for their economic impacts, but are they really necessary? When public funds are scarce, infrastructure priorities are neglected.

As I was watching the 2017 Baseball World Series, a comment was made that the Los Angeles Dodger Stadium, a privately funded stadium, was built in 1962. It is the third oldest major league ballpark, and is holding up well after 55 years. Therefore, public funding is not necessary to build and maintain such entertainment facilities.

Politicians must include Investments In Infrastructure as a priority.

I believe some I³ has already begun in our country. For example, in 2017, voters approved a penny sales tax increase for infrastructure improvements in Palm Beach County, Florida. These types of initiatives can be done throughout our Nation. We as an organization, we as Americans, must shift into a higher gear to move I³ into the fast lane.

Failure of our infrastructure is not an option! The message has to infiltrate every town, village, borough, city, county, state and federal governing body.

As I stated earlier, I put on a public relations/marketing “hat” and we, as ASCE, must get the I³ campaign message out to all. The message must get down to the grass roots of our governing bodies. I³ must become part of our culture.

Investing In Infrastructure is key to our future quality of life. So let’s “**Dream Big**” and **Invest In Infrastructure!** ASCE Members, let’s make this Vision a reality.

Life, as we know it, would not be possible without Civil Engineers and the Engineering Profession. Let’s embrace our profession and let others know what we do to serve Society as a whole.

I promise you that I will work intensely with ASCE Members and the ASCE Board of Direction to maintain ASCE as the premier Civil Engineering Society in the World!

**LOUIS C. AURIGEMMA, P.E., F.ASCE
PRESIDENT-ELECT CANDIDATE**

BIOGRAPHICAL STATEMENT

EDUCATION

- Bachelor of Science in Civil Engineering, University of New Haven, West Haven, Connecticut
- Licensed Professional Engineer
 - Florida, 1982
 - Connecticut, 1982
 - Georgia, 2013
 - Tennessee, 2013
 - Alabama, 2013
- Elected ASCE Fellow, 1998

WORK EXPERIENCE

- Louis C. Aurigemma, P.E., Consulting Engineer, 2016-present
- City of Riviera Beach (FL) Utility Special District, Executive Director, 2010- 2016
- Keith and Schnars, P.A., Fort Lauderdale, FL., Director of Civil Engineering, 2007-2010
- The Nielsen-Wurster Group, Inc., SE Regional Manager/Senior Associate, 2005-2007
- City of Coral Springs (FL), City Engineer/Assistant PW Director, Utilities Operations Manager, Assistant City Engineer, 1986-2005
- City of Fort Lauderdale (FL), Civil Engineer I/II, 1981- 1986
- Design Development Group, Inc., Cheshire, CT, Assistant Project Engineer; 1977-1980

ASCE INVOLVEMENT

Leadership Positions:

- Treasurer, ASCE Board of Direction, 2013-2014
- Assistant Treasurer, ASCE Board of Direction, 2011-2012
- Member, ASCE Executive Committee, 2013-2014; 2002-2004
- Zone II Vice President, ASCE Board of Direction, 2002-2004
- District 10 Director, ASCE Board of Direction, 1999-2002
- Member, ASCE District 10 Council, 1992-1999; Secretary, 1996-1999
- Director, ASCE Broward Branch, 1992-1996

- ASCE South Florida Section
 - Treasurer, 1987-1988
 - Secretary, 1988-1989
 - President-Elect, 1989-1990
 - President, 1990-1991
 - Past President, 1991-1992
- ASCE Broward Branch
 - Treasurer, 1983-1984
 - Secretary, 1984-1985
 - President-Elect, 1985-1986
 - President, 1986 -1987
 - Past President, 1987-1988

Committees:

- Member, ASCE Task Committee on Governance Structure, 2017
- Member, ASCE Task Committee on Geographic Boundaries, 2016
- Corresponding Member, ASCE Task Committee on Governance Activity Review, 2015
- Chair, ASCE Finance and Program Committee, 2013-2014
- Member, ASCE Audit Committee, 2013-2014; 1999
- Member, ASCE Program Committee, 2013
- Member, ASCE Finance Committee, 2011-2012; 1999-2002
- Member, ASCE Program Committee, 2011-2012
- Member, ASCE Task Committee on Volunteer Reimbursement, 2011
- Member, ASCE Task Committee on Institute Operating Procedures, 2011
- Corresponding Member, ASCE Committee on Licensure and Ethics, 2009-2012
- Chair, ASCE Committee on Diversity and Women in Civil Engineering, 2007; Member, 2004-2007
- Member, Task Committee on Faculty Licensure, 2004
- Member, ASCE Council of Vice Presidents, 2002-2004
- Member, ASCE Task Committee on Government Engineers, 1999
- Member, ASCE Membership Committee, 1998-2003
- Member, ASCE Committee on Section and District Councils, 1996-1997

Awards:

- ASCE South Florida Section "Engineer of the Year", 1992
- ASCE Broward Branch "Engineer of the Year", 1991
- ASCE Broward Branch "Young Engineer of the Year", 1987

OTHER VOLUNTEER ACTIVITIES

- Treasurer, Southeast Florida Utility Council, 1999-2005
- Life Member, American Public Works Association
- President, American Public Works Association South Florida Branch 1996-1997, 1998-1999
- Member, American Water Works Association



**KANCHEEPURAM N. GUNALAN (GUNA), Ph.D., P.E.,
D.GE. F.ASCE
PRESIDENT-ELECT CANDIDATE**

VISION STATEMENT

The American Society of Civil Engineers (ASCE) has served the profession and its members well, for over 165 years. Being a beacon of technical excellence with a vision of “building a better quality of life”, ASCE grabbed my attention while pursuing my Master’s degree in India 36 years ago. Upon arriving in the United States to pursue my Doctoral degree approximately 35 years ago, I signed up to be part of this preeminent organization with the help of my advisor. Ever since I have been actively engaged with the organization and its activities at the local, national and international levels. In addition to serving on the Board of Direction, one of the highlights of my ASCE tenure was being Chair of the 2014 Global Engineering Conference in Panama City, Panama that was held in conjunction with the 100th anniversary celebration of the Panama Canal. I am very humbled by the contributions made by our members on a daily basis to their fellow professionals, the organization, the profession and society at large. I have been very fortunate that my journey has provided me a better understanding and appreciation for the challenges our members and the industry faces around the world.

As the population grows, demand for more resources and services will grow to maintain the quality of life we all seek. Civil engineers have a moral obligation to preserve the limited resources and sustain this planet we call home. Hence the ASCE Board of Direction (BOD) reviews the state of our profession on a regular basis to develop strategies to keep the organization and its members relevant through ever-changing times. The BOD has been working this past year on developing a six-goal strategic plan to keep the focus on moving us toward the aspirational global vision; and to assure that the progress is being managed and measured along the way. The working list of goals focus broadly on the following:

- Best practices and state-of-the-art technologies
- Safe, efficient, and sustainable infrastructure
- Education and professionalism
- Valuing the role of civil engineers
- Membership growth
- Organizational excellence

Based on my discussions with a number of our members who are very passionate about our profession and its future, and with a commitment to carrying out the will of the BOD, my vision is that ASCE:

1. Continues to be an organization of the future -- transparent, diverse, inclusive and accessible;
2. Sustains itself financially and stays relevant for the foreseeable future;
3. Attracts the best and brightest to the profession;
4. Supports faculty advisors/liaisons in keeping students engaged; keeps Younger Members actively engaged by providing opportunities and platforms that help shape the future of our profession;
5. Continues to encourage pursuit of knowledge and technical excellence;
6. Recognizes and rewards innovation;
7. Fights marginalization of the profession by helping members enhance their value to their employers, clients, and communities;
8. Continues to promote “zero tolerance” of bribery, corruption and fraud;
9. Builds on its strong “brand” globally;
10. Serves as a global leader in solving quality of life issues.

ASCE continues to embrace transparency, gender equality, diversity, inclusiveness as evident by the recent adoption of Canon 8 and provides access to all -- including younger members and students from all walks of life around the world.

ASCE takes advantage of emerging technologies and tools to remain relevant, enabling members to continue to enhance their value to the global community. Value to membership and in turn enhanced member value is achieved by providing easy access to the most current and relevant technical information -- including state-of-the-art practices that bring value to programs, projects and clients.

ASCE continues to provide members the tools and know-how to enhance their value while fighting marginalization of our profession. Enhanced value of our profession will not only continue to attract the best and brightest, but will also help retain the best and encourage their active participation in the organization.

ASCE continues to encourage and provide an effective vehicle for mentorship so we do not leave any one in our profession behind. I had the good fortune of having great mentors who encouraged, supported and guided me both in my professional career and at ASCE. I believe everyone needs someone to help climb the ladder of success.

ASCE continues to encourage pursuit of knowledge and technical excellence through higher and continuing education, research and innovation. This advanced knowledge will in turn help members envision, plan and develop the next generation of sustainable

infrastructure projects. ASCE's nine institutions, the cornerstone of the organization, are a great resource in helping achieve this Challenge.

ASCE continues to provide a platform to develop our members' professional and leadership skills that will enhance their value and enable them to influence public policies pertaining to emerging topics such as autonomous vehicles, sustainability, resiliency, big data, smart cities, etc. ASCE continues to show leadership in gathering information and lessons learned; developing policies and procedures that help address both natural and man-made challenges such as those caused most recently by "Hurricanes Harvey and Irma".

ASCE always strives to help members and partners preserve the integrity and dignity of our profession. ASCE promotes "zero tolerance" toward ethical digressions, and continues to help everyone in the profession achieve their personal goals without compromising their integrity.

ASCE continues to build on its brand globally and sustains itself for the future by serving as a Beacon of Excellence for generations of Civil Engineers to come – just as it did for me, and many others.

I will work very diligently with your support to shape and structure an ASCE that is relevant to both its members and the profession; financially stable; nimble and influential globally. I am passionate about our profession and I am proud to be a Civil Engineer. I chose to be a Civil Engineer to make a difference and hope to have the opportunity to serve as your President to move us one step closer to the aspirational global vision.

**KANCHEEPURAM (GUNA) N. GUNALAN, Ph.D., P.E., D.GE., F.ASCE
PRESIDENT-ELECT CANDIDATE**

BIOGRAPHICAL STATEMENT

EDUCATION

- Doctor of Philosophy, Civil Engineering, Texas Tech University, Lubbock, Texas, 1986
- Master of Engineering, Soil Mechanics and Foundation Engineering, Anna University, India, 1981
- Bachelor of Engineering, Civil Engineering, College of Engineering, University of Madras, India, 1979
- Licensed Professional Engineer (Civil), New Mexico (1990-present), Utah (1994-present)

WORK EXPERIENCE

- **AECOM, Vice President Alternative Delivery, 2012-present**
 - Capture Manager on major Infrastructure Projects managing multi-national and multi-discipline teams, contract and fee negotiations, developing pursuit strategy, and identification of risk and mitigation strategy. Providing lessons learned and best practices in developing senior, mid-level and junior staff on mega alternative delivery (design build, P3, CMGC) pursuits and projects throughout U S. and Canada.
 - Capture Manager/Deputy Design Manager on \$1.2B Central 70 pursuit in Denver, Colorado.
 - Advised Mass DOT in Development of Basic Technical Concept Design and revision of D-B Manual.
 - Developed and provided oversight of Quality Program for \$500M CAD Waterloo LRT Project.
 - Deputy Project Director and AECOM's Project Manager assisting NYSTA with procurement of the \$3.9B design-build Tappan Zee Bridge Project, 2012-2013
- **Parsons Brinckerhoff, Inc., Vice President, Senior Project Manager, Senior Professional Associate, 1996-2012**
 - Manager, Design Build Technical Excellence Center responsible for design build work in all market sectors on the owner's side and design builder's side of project delivery, 2006-2009.
 - Deputy Manager, Geotech and Tunneling Technical Excellence Center assisting with utilization, marketing and management of 200 geo professionals, 2006-2012.

- Program Manager of \$265M I-15 NOW Expansion Design Build Project; Project Manager/Design Manager on the \$330M Legacy Parkway DB Project; Program Manager for PB, Technical Oversight Manager/Pavement Construction Oversight Manager on the \$1.529B I-15 Reconstruction Project.
- **Maxim Technologies, Inc., Office Manager/Engineering Manager**
Responsible for marketing, management and operations; managed staff of 35 geotechnical professionals, industrial hygienists, and technicians providing geotechnical, environmental and material testing services, 1993-1996.
- **Terra Engineers, Inc., Vice President/General Manager**
Responsible for marketing, management and operations; managed staff including 15 technicians providing geotechnical and material testing and inspection services, 1986-1993.
- **Adjunct Faculty, Civil Engineering Department, Texas Tech University**
Undergraduate Geotechnical Engineering Course, 1991-1992.
- **Part-time Instructor/Research Assistant, Department of Civil Engineering, Texas Tech University**
Geotechnical Engineering/ Materials Lab, 1982-1985.
- **Associate Lecturer in Civil Engineering, College of Engineering, Guindy, Madras, India**
Geotechnical Engineering Lab, provided consulting services, 1981-1982.

ASCE INVOLVEMENT

- Awards
 - 2016 Professional Practice Ethics and Leadership Award
- Governor, Geo Institute, 2014-2017
 - Digital Media/ Website
 - Regional Conferences
- Member, Steering Committee for ASCE India Conference, 2016-2017
- Chair, Global Engineering Conference, Panama City, Panama, 2014
- Program Chair, Annual Conference, Montreal, Canada, 2012
- Chair, Committee on Ethical Practice, 2012-2015
- Director Region 8, 2009-2012
 - Program/Finance Committee
 - Strategic Advisory Committee
 - Executive Committee
- Chair, Subcommittee on Global Principles for Professional Conduct, 2009-2012
- Governor, Region 8, 2005-2007
 - Chair, Awards/Program Committee
- Chair, Geo Institute Task Force on MSE Wall, 2005-2007
- President, Utah Section, 2002-2003

- President, High Plains Branch, Texas Section, 1992
- Member, Annual Convention Organization/Sponsorship Subcommittee, 2014-present
- Corresponding Member, Task Committee on Governance Structure, 2016-present
- Corresponding Member, Global Strategy Council, 2016-present
- Member, Indian Initiative Advisory Task Committee, 2015-present
- Advocacy Captain/Member, Key Contact Committee, 2015-present
- Member, Task Committee on International Strategy, 2012-2014
- Member, Task Force on Global Principles for Professional Conduct, 2005-2006
 - Technical Advisor, Development of Ethicana
- Member, Technical Committee on Embankments, Dams and Slopes, 2005-2008

OTHER VOLUNTEER ACTIVITIES

- Member, National Institute of Engineering Ethics, 2015-present
- Vice Chair, Americas - World Federation of Engineering Organizations (WFEO) Anti-Corruption Committee, 2015-present
- Member, WFEO Anti-Corruption Committee, 2013-2015
- Boy Scouts of America, 1995-2002
- Member, Chi Epsilon Honor Society
- Texas Tech University CE Academy Inductee, 1997

Presentations/ Publications:

- Keynote Lecture, “A Blueprint for a Successful Delivery of a P3 Project”, ASCE India Conference “Urbanization Challenges in Emerging Economies”, IIT Delhi, New Delhi, India, 2017
- Keynote Lecture, “Understanding Performance and Developing Global Geotechnical Standards”, Indian Geotechnical Conference IGC 2016, IIT Madras, Chennai, India, 2016
- Facilitator, discussion on “Design and Performance of Deep Foundation Under Liquefied Soil Conditions”, DFI-IGC Preconference Workshop, IIT Madras, Chennai, India, 2016
- Geotechnical Delivery On Mega Transportation Projects: Challenges of Accelerated Delivery, GEOSTRATA, July/August 2016
- Moderated Panel discussions on a variety of topics including Ethical Challenges at various ASCE Annual Convention/Conferences
- Presentations on various topics of Ethics at ASCE MRLC, AECOM, 2009-2012
- Expert Panelist, DBIA Transportation Conference, Grapevine, Texas, 2010.
- Invited Lecturer, “Geotechnical Challenges on Transportation Projects”, Geotechnical Engineering, Indian Experience GEOINDEX, Indian Geotechnical Conference 2006, Chennai, India, 2006.
- Principle Author, “Chapter 14 – Highway Construction, the Handbook of Highway Engineering”, CRC Publication 2006.
- Principle Author, “Accelerating Construction of Bridge Abutments and Embankments, Legacy Parkway Project, Salt Lake/Davis Counties, Utah”, Geo Trans 2004, Los Angeles, California, 2004.

- “Developing Pavement Performance Specifications for Interstate 15 Reconstruction Project, Salt Lake County, Utah,” 4th International Conference on Road and Airfield Pavement Technology, Kunming, Yunnan Province, P. R. China, 2002.
- “Beneficial Use of Ground Improvement on a Major Design Build Transportation Project in Salt Lake Valley, Utah,” 4th International Conference on Ground Improvement Techniques, Kuala Lumpur, Malaysia, 2002.
- “Ground Modifications on I-15 Reconstruction Project, Salt Lake County, Utah,” Symposium on Recent Developments of Ground Improvement, Osaka, Japan, 2001.
- Coauthor, “Accelerated Reconstruction of I-15 through Salt Lake County, Utah,” International Conference on Soft Ground Technology, Netherlands, 2000.
- Coauthor, “Secrets to Performance Specifying for Transportation Design-Build,” Design-Build for Transportation Conference, DBIA; Salt Lake City, Utah, 1999.
- “Geotechnical Aspects of the I-15 Reconstruction Project in Salt Lake City, Utah,” ASCE/PA DOT Seminar on Emerging Technologies in Geotechnical Engineering, Hershey, Pennsylvania, 1999.
- Coauthor, “Soil Strength Gain Due to Long-Term Embankment Loading—a Case Study from the I-15 Corridor Reconstruction Project, Salt Lake County, Utah,” presented at the 32nd Symposium on Engineering Geology and Geotechnical Engineering, Boise, Idaho, 1997.
- Coauthor, “An Analysis of Forklift Loads on Industrial Floor Slabs,” International Colloquium on Industrial Floors, Germany, 1987.

PERSONAL

- Married to Duru 35 years.
- Son, Kabilar Gunalan pursuing M.D./Ph.D., in Biomedical Engineering at Case Western University. Daughter, Pallavi K. Gunalan pursuing Ph.D. in Biomedical Engineering at USC.
- Love to read, travel, meet people, learn about various cultures.



**JAY H HIGGINS, P.E., F.ASCE
PRESIDENT-ELECT CANDIDATE**

VISION STATEMENT

At the start of each Board of Direction meeting the Officers and Directors review the Society's Vision, Mission, and Goals. This is to remind the Board of Direction of their responsibility to remain focused on the strategic direction of the Society, and to monitor key performance indicators toward outcomes that will achieve the Society's Mission and Goals.

The Society's Vision is: Civil Engineers are global leaders building a better quality of life. This aspirational global vision was built on the tenets of *The Vision for Civil Engineering in 2025*. For the Society to make progress toward this vision, the Board of Direction needs to take the necessary actions to provide opportunities for civil engineers to be prepared to practice in an ever-changing world environment. With advances in technology and rapid communications, the opportunities to build a better quality of life not only domestically, but also worldwide, are ever increasing. However, a vision needs actions to become reality. The Board of Direction has recently defined the necessary actions to be taken through a strategic planning process that established six top goals. In concert with the vision and goals is the Society's Mission. The Society's Mission is: Deliver value to our members, advance civil engineering, and protect the public health, safety, and welfare. A key phrase in this mission statement is, to deliver value to our members, for without providing value to its members the Society will struggle to exist efficiently. Of course the overarching mission of all civil engineers is to protect the health, safety, and welfare of the public, the basis of all state licensing boards. The advancement of the civil engineering profession to stay current with the demands of an ever-expanding society is one of the principle reasons for the Society's existence.

I believe that the Board of Direction, by utilizing the wealth of talented members and with a focused staff, can make significant progress to enhance the civil engineering profession. Looking at the six top goals of the Society will give a better understanding of how the vision can be achieved and the mission accomplished.

The goals are:

- 1) Civil engineers develop and apply innovative, state-of-the-art practices and technologies.
- 2) All infrastructure is safe, efficient, and sustainable.
- 3) ASCE advances the educational and professional standards for civil engineers.
- 4) The public values civil engineers' essential role in society.
- 5) An ever-growing number of civil engineers are members of, and engage in, ASCE.
- 6) ASCE excels in strategic and operational effectiveness.

Each goal has a focus strategy and ongoing strategies with key performance indicators to measure progress made. Although each goal is important to the health of the Society and the civil engineering profession, my top three priorities are: member value (portion of Goal

5), financial stability (portion of Goal 6) and educational criteria and experience (portion of Goal 3).

The key to the Society's growth and maintaining its membership is member value. The value a member is most directly impacted by the activities at their local branch or section, or their involvement in their selected institute or local institute chapter. I believe the Board of Direction in seeking to achieve Goal 5 should focus on assuring that adequate financial and staff resources are available to assist branches, sections, younger member and life member forums, and institutes. Various training opportunities are currently being provided to the leaders of these entities through face-to-face conferences and webinars. The development of key performance indicators measures the impact of this training and also alerts the Society on how it can help provide value to all members at all levels of involvement in ASCE, but especially at the local level.

If the Society makes progress on providing value to all members, the ability to achieve operational effectiveness of Goal 6 will be enhanced as we achieve Goal 5. To continue to grow the current programs, and to take on new strategic initiatives both domestically and internationally, is a function of the financial resources available to our operation. A continued effort to grow our revenue generating potential and the efficient use of human and financial resources are the key to the Society's success in the future. Financial stability will allow the Society to continue its important programs, especially programs such as the Younger Member Forum's *Emerging Leaders Shaping the Future* program.

Educational criteria and experience are the keys to successful practice in civil engineering. State legislators, ABET, and state licensing boards, external entities to ASCE, are determining the very important criteria to practice at the professional licensure level. Over time the educational credit hours requirement and the years of experience in many cases have diminished. Although ASCE has input to each of these external entities, and should continue to have input, I believe the Board of Direction has a tremendous opportunity to set the standard for practice in all capacities of involvement in the field of civil engineering. The role of the technologist, the practice at various capacities as a civil engineer, including the responsibility of the licensed professional engineer, is currently being established through the ASCE's Body of Knowledge undertakings. These criteria along with other ASCE developed criteria, and with an ASCE system of recognition, will establish ASCE as the authority that sets the standards for our profession.

The Board of Direction is a dedicated group of forward thinking civil engineers. The Board consists of talented members that have either years of experience through participation in activities at the branches, sections, regions, and institutes, or individuals that meet the recommended criteria established by the At-Large Director Review panel. A goal of diversity is included in the At-Large Director criteria. My term from 2014 to 2017 on the Board of Direction as the Director from Region 9 was enlightening and enjoyable. I would like to continue to be part of that team as President-elect and work with the Board to achieve our vision for the civil engineering profession.

**JAY H HIGGINS, P.E., ENV SP, F.ASCE
PRESIDENT-ELECT CANDIDATE**

BIOGRAPHICAL STATEMENT

EDUCATION

- Master of Business Administration, University of Chicago, 1985
- Master of Science in Environmental Engineering, Northwestern University (Evanston, IL), 1975
- Bachelor of Science in Civil Engineering, Northeastern University (Boston, MA), 1972
- Associate in Architectural Engineering Technology, Wentworth Institute of Technology (Boston, MA), 1969

WORK EXPERIENCE

- Licensed professional civil engineer in California and Illinois with 44 years of experience in the design and construction management of water, wastewater, stormwater, transportation, building, and earthwork projects.
- Semi-retired as a Senior Project Manager after 22 years with URS/AECOM Corporations in Construction Management
- Consulting Civil Engineer specializing in construction dispute resolution and construction claims analysis for State of California Aqueduct Projects, Department of Water Resources; 2014-present
- URS Corporation/AECOM, Senior Project Manager, Chicago, IL and Los Angeles, CA; 1991-2013
- Consoer, Townsend and Associates, Inc., Vice President/Project Director, Water and Wastewater Group, Chicago, IL; 1988-1991
- O'Hare Development Program, Manager of Contracts Administration, Chicago, IL; 1984-1988
- Harza Engineering Company, Project Engineer/Project Manager, Chicago, IL; 1973-1984

ASCE INVOLVEMENT

Leadership Positions:

- Member, American Society of Civil Engineers since 1974
- Metropolitan Los Angeles Branch
 - Treasurer, 2002-2004
 - Present-Elect, 2004-2005
 - President, 2005-2006

- Past President, 2006-2007
- Los Angeles Section
 - Secretary, 2006-2008
 - President-Elect, 2008-2009
 - President, 2009-2010
 - Past President, 2010-2011
- Vice Chair, Los Angeles Section, 2011-2014
- Chair, Region 9 Board of Governors, 2014-2017
- Region 9 Director, ASCE Board of Direction, 2014-2017
- Los Angeles Section Centennial Celebration, Chair Fundraising Committee and Treasurer, 2013

Committees:

- Member, Member Communities Committee, 2013-2015
- Member, Program and Finance Committee, 2016-2017
- Member, Task Committee on Risk Management and Liability, 2015-2016
- Member, Convention Sponsorship Committee, 2015-2017

Awards:

- President's Award, Los Angeles Section, 2008
- Outstanding Section Officer, Region 9, 2009
- Carl Blum Award, Younger Member Forum, Los Angeles Section, 2012
- President's Award, Los Angeles Section, 2013
- Robert W. Bein Lifetime Achievement Award, Life Member Forum, Los Angeles Section, 2014
- Outstanding Civil Engineer in Service to an ASCE Region, Los Angeles Metropolitan Branch, 2016

Other:

- National Concrete Canoe Competition, Line Judge, 2010
- Regional Student Steel Bridge Competition, Head Construction Lane Judge, 2005, 2010-2015, and 2017
- National Student Steel Bridge Competition, Head Construction Lane Judge, 2009-2017

OTHER VOLUNTEER ACTIVITIES

- Director, Chicago Post, American Society of Military Engineers, 1994-1996
- President, Illinois Association of Environmental Professionals, 1995-1996
- City of Los Angeles, Board of Public Works, Certificate of Appreciation, 2005-2006, High School Technical Competitions
- Recipient of the 2012 Alumni Appreciation Award, Wentworth Institute of Technology, for serving as a representative at Pasadena, California college fairs in 2010-2012
- California Safety Assessment Program, Certified Disaster Service Worker, 2015-present

- ACE Mentor Program Los Angeles Metropolitan Area Affiliate (a mentoring program to introduce high school students to careers in Architecture, Construction, and Engineering):

Positions held In ACE Mentor Program:

- Spring Fundraising Campaign Chair 2010-2013
 - Spotlights Awards/Fundraising Committee, 2014-present
 - Scholarship Committee 2010-present
 - Strategic Planning Committee, 2010-present
 - Board of Directors, 2010
 - Secretary, Board of Directors, 2011-2013
 - Vice Chairman, Board of Directors, 2013-2016
 - Chairman, Board of Directors, 2016-present
- Member, Chi Epsilon Honor Society
 - Member, Tau Beta Pi Honor Society

PERSONAL

- Married to Judy Lea
- Two Daughters, Emily Higgins RippetEAU and Lauren Higgins McFee
- Grandson, Malcolm James RippetEAU
- Ukulele group (Joslyn Jumping Fleas)
- Piano lessons (started four years ago)
- Sailor for 44 years, highlights include:
 - Navigator/Helmsman for 30 annual sailboat races from Chicago IL to Mackinac Island, MI
 - Sailboats Inc. and American Sailing Association certified sailing instructor for approximately 35 years in Chicago, IL and Marina Del Rey, CA
 - Sailed on a 38-foot sailboat from Tahiti through the French Society Islands to Cook Islands, South Pacific in 1999
 - Sailed on a 47-foot sailboat with a sailor friend of 43 years across the Atlantic from Cape Verde Islands to Barbados in 2016



**THOMAS R. WALTHER, P.E., ENV SP, F.ASCE
PRESIDENT-ELECT CANDIDATE**

VISION STATEMENT

ASCE has developed a strong Vision and Mission for the Society and the profession. ASCE as an organization continues to assist its members in attaining that vision by providing value to its members, helping members advance themselves and the profession and fostering the ability of members to maximize their service to the public.

While these societal goals are of utmost importance it is up to Board leaders, the entire Board of Direction and staff to ensure implementation. As a Presidential officer my vision is to lead the Board in updating long term strategies to move the Society forward plus ensuring that current strategies are being fully implemented. These issues are summarized in two broad categories:

- Long term – Establish strategies that are forward looking yet reasonably attainable such as:
 - Attain the goals of the Grand Challenge
 - Embrace and adapt to globalization
 - Ensure civil engineering education meets the needs of today and the future
- Near term – Grow and enhance the Society through enhanced member value:
 - Add and retain members
 - Provide desired member services
 - Enhance Society transparency

Regarding the first long term point, I am a strong advocate of all types of needed infrastructure improvements and necessary expansions. As professional engineers it is our duty to create the best infrastructure possible. Yet we must strive to meet the goals of the Grand Challenge by convincing owners that we can create facilities that are sustainable, have reasonable upfront costs and also can be shown to have the best life cycle costs attained through innovation and creative development methods. We must also continue to educate the public and politicians about how critical high quality infrastructure is to everyone's quality of life.

On the second long term point, globalization is here. I encourage all civil engineers to fully recognize, embrace and adapt to this globalization. Civil engineers must understand the societal issues and beliefs of those who reside in other nations and be able to adjust the performance of their work to give all clients the services they desire and need. Today it is not just preparing to do work in other countries within the bounds of those societies that is important but also the realization that much development occurring within the United States is being financed and done by huge multinational firms based in other countries. We must be able to understand their belief structures and work with them to integrate those beliefs into the systems and methodologies we use in this country.

In order to meet the goals of the Grand Challenge and to work in a global economy ASCE must work with the educational community and employers to ensure that current and future civil engineers are adequately educated to perform in the world of tomorrow. Over past decades the minimum graduation criteria at numerous institutions of higher learning have been declining for a plethora of reasons. ASCE must continue to push for enhanced depth and breadth of knowledge and for continuous long term learning for all civil engineers. The goals set forth in ASCE's "Achieving the Vision of Civil Engineering in 2025" remain relevant and need to be pursued. While the original methodologies recommended in ASCE's Raise the Bar initiative may need to be tweaked the need to "raise the bar" for the future viability of the profession still exists and I will work to ensure that this initiative does not wane.

During the near term, I will work to ensure ASCE as an organization remains strong, viable and maximizes service to its members.

I will work with the Board and staff to enhance actions related to growing Society membership and retaining those members. This should especially occur in the area of student transition. I will push for continuing reviews of how the Society actually pursues students, how ASCE treats graduate students and for more surveys and then actions related to meeting the expectations of students so they can be brought on board as full members. Once those persons have become members the Society must be sure to offer relevant services in order to retain them. I will encourage continuing solicitations of the expectations of current members to ensure ASCE is not losing members. While ASCE offers a broad range of valuable member services we must strive to guarantee that we are offering what members actually desire.

The final vision point is enhanced transparency within ASCE itself. One concern sometimes stated by Board and staff members is the lack of members who are willing to step up and take on positions of responsibility within the organization, be it at the local, region, institute or national levels. I believe part of this may be because members don't fully grasp what is occurring within the leadership groups of the Society or among the multitude of committees where the "heavy lifting" work of the Society occurs. While ASCE staff does a very good job of informing and educating membership I will encourage staff to work with various organizational entities to expand information items offered to members. With today's technology ASCE should be able to better show its members what the Board, Board Committees, Institutes and other organizational entities are doing. I will strive to have summarized minutes of the above entities readily available on a members only sector of the ASCE website. I truly believe this will allow members to better comprehend what the Society is doing for them. The added information and transparency will hopefully enhance member participation and retention. Members who better understand organizational operations and opportunities are more likely to step forward and volunteer to move the Society in the directions the general membership desires.

To conclude, while following the vision and strategies set by the Board, my vision seeks to strengthen and expand upon these issues to move ASCE forward and most importantly to enhance the ways the Society serves its members.

**THOMAS R. WALTHER, P.E., ENV SP, F.ASCE
PRESIDENT-ELECT CANDIDATE**

BIOGRAPHICAL STATEMENT

EDUCATION

- Bachelor of Science Civil Engineering, University of Wisconsin–Platteville, WI, 1971
- Traffic Institute, Northwestern University, Evanston, IL, 1979
- Registered Professional Engineer, State of Wisconsin
- Registered Professional Engineer, State of Iowa

WORK EXPERIENCE

- Ayres Associates, Eau Claire, WI; Utilities Coordination Engineer, 2013-2014
- Chippewa County, Chippewa Falls, WI; Staff Engineer, Highway Department, 2012-2013
- TEC Design, Eau Claire, WI; Transportation Advisor, 2008-2009
- Eau Claire County, Altoona, WI; Highway Commissioner, 1980-2008. Managed all operations of the county highway department covering all work on county highways, all maintenance work on State highways and contract work for various local governmental units. Also included managerial oversight of the Chippewa Valley Regional Airport for five (5) years and managerial oversight of the Eau Claire County Landfill for fifteen (15) years.
- Iowa Department of Transportation, Resident Maintenance Engineer, Denison, IA, 1977-1980; Assistant Resident Construction Engineer, Waterloo, IA 1973-1977; construction inspection and training program, Ames, IA, 1971-1973

ASCE INVOLVEMENT

Leadership Positions:

- Region 3 Director, 2007-2009
- Chair, Region 3 Board of Governors, 2007-2009
- District 8 Director, 2004-2006
- President, Wisconsin Section, 1997
- President-elect, Wisconsin Section, 1996
- Vice President, Wisconsin Section, 1995
- Director at Large, Wisconsin Section
- Branch Director, Wisconsin Section
- President, Northwest Branch, Wisconsin Section
- Secretary/Treasurer, Northwest Branch, Wisconsin Section

Committees:

- Governing Documents Committee, 2013-2017
- Audit Committee, 2007-2008; 2011-2012
- Task Committee on Elections, 2011
- Blue Ribbon Panel to Review Updates to Manual 45, 2011
- Engineers Joint Contract Documents Committee (EJCDC), 2008-2009
- EJCDC Budget and Finance Committee, 2008-2009
- Executive Committee, 2009
- Finance Committee, 2008-2009
- At-Large Director Review Subcommittee, 2008
- Strategic Planning Committee, 2008
- Board Contact Member, Civil Engineering Forum for Innovation, 2007
- Program Committee, 2004, 2006-2007
- Technical Activities Committee, 2004-2006
- Chair, Region 3 Formation Team, 2005
- Web Site Awards Committee, 2004
- Report Card Committee, Wisconsin Section, 2003
- Chair, History and Heritage Committee, Wisconsin Section, 1999-2002
- Nominating Committee, Wisconsin Section, 1997
- Awards Committee, Wisconsin Section, 1996

Other Activities:

- Legislative Fly-Ins, 2007, 2009-2017
- Leadership Training in Government Relations, 2009
- Multi-Region Leadership Conferences, 2007-2009, 2015
- Zone III Management Conferences, 2004-2006
- Judge, Great Lakes Conference Concrete Canoe Competition, 2005
- Key Contact Member
- Life Member, 2013
- Fellow, 1996
- Charter Member, University of Wisconsin–Platteville Student Chapter, 1967

Awards:

- Distinguished Service Award, Wisconsin Section, 2008
- Engineer in Government Service Award, Wisconsin Section, 1998

OTHER VOLUNTEER ACTIVITIES

- Eau Claire County Position Evaluation Board, Citizen Member, 2009-2012
- Iowa Jaycees Member, 1977-1980
- Iowa Jaycees Region Director, 1980
- St. John's Lutheran Church Choir, 30+ years
- St. John's Lutheran Church Finance Committee, 2017

PERSONAL

- Widower
- Daughter: ReNee Hanson and husband Marc Hanson, Anoka, MN
- Son: Brian Walther and wife Christina, Chippewa Falls, WI
- Grandchildren: Kiersten Clifford, Airman Taylor Walther, Preston Walther, Larissa Walther, Bailey Hanson, Olivia Gunderson, Isabelle Gunderson

FREQUENTLY ASKED QUESTIONS REGARDING THE ELECTION

What is the voting period?

The election will open at 12:00am Central Standard Time on May 1 and conclude at 5:00pm Central Standard Time on June 1.

How can I vote in the election?

To participate in the national election a member must be at the grade of Associate or higher, and be a member in good standing (current on member dues) by **April 1**. Members who pay dues after April 1 forfeit their right to participate in the current year's election, pursuant to Rules of Policy and Procedure, Article 4.1.4. **No exceptions are granted.**

ASCE will use Single Sign-On to access the election site. You will need your ASCE login and password only – no special codes. Eligible voting members should be sure to have created their ASCE member only account via the website (www.asce.org). There is a “Member Login” button on the top navigation bar of the website if you need to create an account or check your membership information.

Paper ballots are available to eligible voting members upon request. Please contact Patty Montgomery at pmontgomery@asce.org or 800/548-2723, extension 6101. Ballots cannot be mailed to members after May 25.

What campaign activity may an Organizational Entity undertake?

Organizational Entities may distribute approved campaign literature provided they distribute the same literature for each Official or Petition Nominee seeking the same office. Items such as signs, key chains, pens, buttons, pins, press kits or similar items are not permitted.

Organizational Entities should also encourage members to vote in the national election and publish information regarding the election in their newsletters and on their websites. Please help educate the members on the Society's election process and why some races are not contested. Each Region is responsible for soliciting and providing Official Nominees for inclusion on the ballot.

Can an Organizational Entity make its membership information available to the Nominees and/or their supporters?

Pursuant to the Society's governing documents, Organizational Entities shall not provide membership lists of address records or e-mail addresses to Nominees or their supporters.

Organizational Entities shall not distribute correspondence on behalf of an Official or Petition Nominee to their membership. Organizational Entities can help advertise the election to the membership.

Is it permitted to invite a Nominee to attend our meeting?

Organizational Entities may invite Official and Petition Nominees to attend their event, provided all Nominees for the same position are extended the same invitation at least thirty (30) days in advance of the meeting. Nominees may make a presentation to the meeting attendees regardless of whether all the Nominees accept the invitation. Organizational Entities should contact the Nominee(s) directly to coordinate meeting details.

- If a Nominee is unavailable to attend the event in person but wishes to participate via alternative means, the Organizational Entity shall make the necessary arrangements (i.e., conference call, WebEx, etc.).
- Nominees who attend a meeting of an Organizational Entity without an invitation may not make a presentation to those in attendance.
- The only exception to the invitation procedure is that Official and Petition Nominees may address their assigned Section, Branch or Primary Institute without a formal invitation being extended to the remaining Nominees who have an Address of Record outside the Section or Branch, or have designated another Institute as their Primary Institute. Nonetheless, an Organizational Entity or Region is encouraged to extend a formal invitation to all Nominees for the office, regardless of their Address of Record.

If a Nominee attends our function are we required to reimburse them?

Nominees are responsible for all travel related costs when accepting an invitation from an Organizational Entity.

How does our Organizational Entity go about having questions answered by the Nominees?

Written questions for the President-elect Official and Petition Nominees should be submitted to the Society Secretary not later than **March 1**. Upon review, the Society Secretary may forward the questions to the Nominees and publish their responses in *ASCE News*, election podcasts, or other election venues. Questions posed to President-elect Nominees in a face-to-face meeting are not subject to prior approval by the Society Secretary.

Can an Organizational Entity endorse a Nominee for office?

An Organizational Entity may endorse one (1) Nominee for any given office during the Election Cycle. However, an Endorsement Action may only be provided once the slate of Official and Petition Nominees has been determined.

The Endorsement Action includes the action taken by the Organizational Entity during a properly convened meeting, is transmitted directly to the Official or Petition Nominee on Organizational Entity letterhead, signed by the chair of the Organizational Entity. The Endorsement Action may state the rationale used in the decision, provided no reference to or comparison of any other Official or Petition Nominee is included in the Endorsement Action. Endorsement Actions should be provided directly to the Nominee no later than **March 31**. See [Attachment A](#) for a sample Endorsement Action.

We endorsed a Nominee for office. Are we permitted to publish our action?

An Organizational Entity that officially endorses an Official or Petition Nominee may publish its Endorsement Action in their newsletter and website, provided no reference to or comparison of any other Official or Petition Nominee is included. If you publish any election material for the Nominee you endorsed (i.e., biographical statement, vision statement, photograph), the same material must be published for all Nominees pursuing the same office.

Can an individual member endorse a Nominee for office?

Individual Members of the Society may endorse one (1) Official or Petition Nominee per office during the Election Cycle **once the slate of Official and Petition Nominees has been determined**. The Endorsement Letter must include the member's full name, Address of Record, membership number, affiliation with the Society and up to one (1) professional position. Endorsement Letters should be provided directly to the Nominee no later than **March 31**. See [Attachment B](#) for a sample Endorsement Letter by an individual member.

Members of the Board of Direction, the Board of Direction Nominating Committee, and the At-Large Director Review Panel may provide a **VERBAL** endorsement but may not provide a written endorsement for Official or Petition Nominees.

If you have additional questions not addressed herein, please contact Patty Montgomery at pmontgomery@asce.org or 800/548-2723, extension 6101.

SAMPLE ORGANIZATIONAL ENTITY ENDORSEMENT
(Must be submitted on Organizational Entity Letterhead)
Submit to Nominee no later than March 31st

Date (must be after the Nominating Committee convenes)

Addressed to Nominee

Dear _____:

The Board of Governors of the XYZ Section of ASCE convened on Wednesday, March 11, 2018, to consider the Official Nominees for (insert President-elect, Region Director or Region Governor, as appropriate) for the term commencing October 2018. The Board reviewed the election materials for each Nominee and discussed issues of relevance.

[INSERT RATIONALE, IF DESIRED. NO MENTION OF OTHER NOMINEES IS PERMITTED IN THE RATIONALE.]

Upon conclusion of the discussions, the Board voted to endorse _____ for the position of (insert relevant office title).

Please accept this letter as our official Endorsement Action.

Respectfully submitted,

Insert Name of Chair
President, XYZ Section Board of Governors

SAMPLE ENDORSEMENT FROM INDIVIDUAL MEMBER
(Must include Name, Address of Record and Member ID for validation)

Submit to Nominee no later than March 31st

Date

Addressed to Nominee

Dear _____:

I have reviewed the election materials provided by the Nominees for the office of (insert President-elect, Region Director, or Region Governor) for a term commencing October 2018.

[INSERT RATIONALE, IF DESIRED. NO MENTION OF OTHER NOMINEES IS PERMITTED IN THE RATIONALE.]

Please accept this document as my personal endorsement of _____ for the position of (insert relevant office title).

Respectfully submitted,

Name and credentials

Address of Record

Member ID

One (1) ASCE affiliation (i.e., Past Chair, ABC Committee) and one (1) professional affiliation (i.e., President, XYZ Consultants, Inc.) may be included.