



BOARD OF DIRECTION MEETING

MINUTES

**July 16-17, 2021
Virtual Meeting**

STATUS OF ACTION ITEMS FROM PRIOR BOARD MEETINGS

ASSIGNED TO STAFF

- Assess the market needs and interest of the ILC Cyber Security Report education recommendations, disseminate the ILC Cyber Security Report to the Institutes, Technical Divisions, and other applicable organizational entities to evaluate the recommendations in the report and develop a plan to implement those recommendations they deem appropriate, and present a progress report of resulting actions and findings to the Board at the October 2021 meeting. *(January 2021)*
- The Executive Director is to forward the top priority recommendations from the “Time to Act” session to the appropriate Organizational Entities for further evaluation and possible implementation pending a report to the Board at its Spring 2022 meeting. *(July 2021)*

The recommendations have been distributed to the entities identified with instructions that a report is due to the Board at the Spring 2022 meeting.

- Disseminate the report from the Region and Institute Presidential Group to the appropriate entities. *(July 2021)*
- Diane Javaid is to work with Dan Cook regarding items contained in the report from the Region and Institute Presidential Group. *(July 2021)*
- Provide the Board of Direction with a master plan for the Digital Strategy project to avoid coming back repeatedly for funds. *(July 2021)*
- Disseminate the final report and recommendations from the Task Committee to Review Organizational Efficiency to the applicable organizational entities for evaluation and development of a plan to implement those they deem appropriate and provide a progress report to the Board at its Spring 2022 meeting. *(July 2021)*

The list of recommendations has been distributed to the Senior Leadership Team to evaluate, with the affected stakeholders, a recommendation on how to proceed.

- For the October 2021 meeting, provide a prediction of what the Partners Program will look like, a graph showing the membership trend from year to year, and a comparison of student transition in Region 10 compared to the other Regions. *(July 2021)*
- Invite the Student Presidential Group to address the Board regarding their report on student voting and student dues at the October 2021 meeting. *(July 2021)*

ASSIGNED TO BOARD, COMMITTEE OR OTHER ENTITY

BOARD OF DIRECTION

- Region Directors should add the report from the Region and Institute Presidential Group to their next Region meeting for discussion. (July 2021)

CIVIL ENGINEERING CERTIFICATION

- Review their bylaws and operating procedures and develop a plan for transitioning the current Academy governance to one single oversight body and create certification boards to administer the certifications proposed in the interim report of the Task Committee on Credentialing to Raise the Bar. (July 2019)

Civil Engineering Certification submitted a written report for inclusion in the January 2020 agenda on the progress it has made to provide a mechanism for the post-licensure certification of the various specialties within civil engineering. A presentation was made to the Board at its July 2020 meeting.

The Board authorized the Executive Committee to form an inclusive task group of impacted stakeholders including individuals representing sustainability, the academies, and credentialing, to investigate a comprehensive certification program that includes CEC and sustainability, with a uniform and focused approach. (From October 2020)

A client summit was held February 26, 2021, as approved by the Executive Committee. Results of the summit were reported to the Board at its April 2021 meeting and the Board created a Task Committee to Resolve ASCE Certification and/or Certificate Options. The President was authorized to appoint the members of the Task Committee with approval from the Executive Committee. The Task Committee will provide a progress report to the Board in October 2021 and its final recommendations in March 2022.

COMMITTEE ON SUSTAINABILITY

- In conjunction with Civil Engineering Certification (1) work with the appropriate staff and volunteer leadership of Engineer Tomorrow, the Institutes and the Academies to determine whether sustainability needs a new certification or should simply be incorporated into ASCE's existing certification programs and membership requirements; (2) conduct a market study of demand for this certification in parallel, and at no cost to ASCE; and (3) develop a Business Plan to create a sustainable infrastructure certification program for approval by the Board at its July 2019 meeting. (From March 2019)

The Committee on Sustainability was granted an extension by the Executive Committee at its May 2019 meeting to submit its Business Plan to create a sustainable

infrastructure certification program for approval at the October 2019 Board of Direction meeting.

The Executive Committee authorized an extension from October 2019 to July 2020 for the Committee on Sustainability to provide a Schedule, Marketing Plan, and Business Plan for a Sustainable Infrastructure Certification Program.

The Executive Committee authorized a final extension until March 2021 for the Committee on Sustainability to submit the sustainable infrastructure certification program for Board consideration, with an interim progress report presented at the October 2020 Board meeting.

The Board authorized the Executive Committee to form an inclusive task group of impacted stakeholders including individuals representing sustainability, the academics, and credentialing, to investigate a comprehensive certification program that includes CEC and sustainability, with a uniform and focused approach. (From October 2020)

A client summit was held February 26, 2021, as approved by the Executive Committee. Results of the summit were reported to the Board at its April 2021 meeting and the Board created a Task Committee to Resolve ASCE Certification and/or Certificate Options. The President was authorized to appoint the members of the Task Committee with approval from the Executive Committee. The Task Committee will provide a progress report to the Board in October 2021 and its final recommendations in March 2022.

EXECUTIVE COMMITTEE

- Form an inclusive task group of impacted stakeholders including individuals representing sustainability, the academics, and credentialing, to investigate a comprehensive certification program that includes CEC and sustainability, with a uniform and focused approach. (October 2020)

A client summit was held February 26, 2021, as approved by the Executive Committee. Results of the summit were reported to the Board at its April 2021 meeting and the Board created a Task Committee to Resolve ASCE Certification and/or Certificate Options. The President was authorized to appoint the members of the Task Committee with approval from the Executive Committee. The Task Committee will provide a progress report to the Board in October 2021 and its final recommendations in March 2022.

FUTURE WORLD VISION

- Prepare a financial master plan, schedule and set of deliverables for the complete Future World Vision project, including metrics, for the October 2021 Board of Direction meeting, reconsider the decision to eliminate the virtual reality experience, and

provide the requested information to the Program and Finance Committee for its evaluation of the \$3,000,000+ request in advance of the October 2021 meeting. (July 2021)

PROGRAM AND FINANCE COMMITTEE

- Advise the Future World Vision team what information is necessary for evaluation of the \$3,000,000+ request for funding and be prepared with a recommendation for the Board at its October 2021 Board meeting. (July 2021)

PUBLIC POLICY COMMITTEE

- The Board of Direction returned the following Policy Statements to the Committee for further revisions: PS 400, PS 535, and PS 543. (July 2020)

The IRPC is still working on Policy Statements 400 and 543 and hope to bring those back to the Board for consideration at its October 2021 meeting.

PS 524 was remanded back to the Public Policy Committee and the Board directed that the committee work with Directors David Odeh and Ken Rosenfield on the language for Board consideration at its meeting in October 2021.

Action on PS 535 was tabled until the Task Committee on Building the Civil Engineering Team has an opportunity to provide feedback on the policy statement and provide its final report to the Board.

REGION 10 BOARD OF GOVERNORS

- Work with the Committee on Student Conferences and Competitions, the Structural Engineering Institute, the Architectural Engineering Institute, the Construction Institute, the Engineering Mechanics Institute, and the Geo-Institute to evaluate the feasibility of a more comprehensive global student steel bridge competition and present their recommendations and timeline for implementation by 2026 to the Board of Direction for consideration at its October 2022 meeting. (July 2021)

BOARD OF DIRECTION MINUTES

July 16-17, 2021

1.0 ROLL CALL

1.1 Convene

The Board of Direction **CONVENED** virtually at 11:00 a.m. Eastern Daylight Time on July 16, 2021.

1.2 Attendees: President Briaud, Chair; President-elect Truax; Past President Gunalan; Directors Cagle, Folts, Lau, McKeegan, Nielsen, Paz, Pena-Mora, Pratt, Odeh, Raudenbush, Rosenfield, Ruedas, Stafford, Sayah, Sutter; Treasurer Lehman; Assistant Treasurer Burress; Secretary Smith; members of staff; guests.

Invited: Directors-elect Becker, Edwards, Magura and Mika

2.0 PURPOSE, VISION, MISSION, and FIDUCIARY RESPONSIBILITY

2.1 Purpose

Help you matter more and enable you to make a bigger difference.

2.2 Society's Vision

Civil engineers are global leaders building a better quality of life.

2.3 Society's Mission

Deliver value to our members, advance civil engineering, and protect the public health, safety, and welfare.

2.4 Fiduciary Responsibility

Each member of the Society's Board of Direction has a fiduciary duty to the Society, including the duty of care, duty of loyalty, and duty of obedience. Board members shall act responsibly, avoid and disclose conflicts of interest, and ensure the Society carries out its purposes and mission.

Board members should be sure they understand the issue, vote in the best interest of the entire Society as a whole, and support the vote of the Board.

2.5 Board Values

The Board-approved values are:

- Integrity
- Honesty
- Respect
- Service
- Committed to ASCE's purpose, vision, mission, goals and Code of Ethics
- Excellence
- Teamwork
- Accountability

3.0 AGENDA

3.1 The Board of Direction **APPROVED** the published agenda, as modified.

3.2 The Board of Direction **ADOPTED** the consent agenda, as modified.

4.0 MINUTES of PREVIOUS BOARD of DIRECTION MEETING(S)

4.1 Minutes of April 30-May 1, 2021, Board of Direction Meeting

The Board of Direction **APPROVED** the minutes of the April 30-May 1, 2021, meeting held virtually. The minutes are available on the Board collaborate site.

5.0 BUSINESS

5.1 Safety Minute

Jean-Louis Briaud, Ph.D., P.E., D.GE, Dist.M.ASCE

The Board of Direction **ENGAGED** in a safety minute at the start of the meeting.

5.2 "Time to Act"

Jean-Louis Briaud, Ph.D., P.E., D.GE, Dist.M.ASCE

The Board of Direction **PRIORITIZED** the list of ideas that resulted from the January and April 2021 Board discussions and **DIRECTED** the Executive Director to forward the top priority recommendations to the appropriate Organizational Entities for further evaluation and possible implementation pending a report to the Board at its Spring 2022 meeting. See **Attachment 1**.

5.3 Region and Institute Presidential Group

Daniel R. Cook, P.E., P.Eng, S.E., M.ASCE

The Board of Direction **RECEIVED** a report on the activities of the Region and Institute Presidential Group. See **Attachment 2.**

5.4 Public Policy and Practice Committee

Marsia Geldert-Murphey, P.E., F.ASCE; Chair

See **Attachment 3.**

5.4.1 Revised Policies and Resolution

The Board of Direction **APPROVED** revisions to the following policy statements and resolution:

- 5.4.1.1** PS 101 Appointment of Engineers to Policy Positions in Government
- 5.4.1.2** PS 138 Engineering Services for Government Agencies
- 5.4.1.3** PS 146 Relationships with Engineering Organizations in Other Countries
- 5.4.1.4** PS 162 Protection and Development of Coastal Resources
- 5.4.1.5** PS 187 Research in Civil Engineering, as modified
- 5.4.1.6** PS 208 Bridge Safety
- 5.4.1.7** PS 256 Alternative Dispute Resolution
- 5.4.1.8** PS 275 Atmospheric Water Resources Management
- 5.4.1.9** PS 276 Integrated Truck and Highway Design, as modified
- 5.4.1.10** PS 290 Post-Construction Drawing of Civil Engineering Projects
- 5.4.1.11** PS 325 Unrelated Business Income Tax
- 5.4.1.12** PS 333 Engineering Surveying Definition
- 5.4.1.13** PS 360 Climate Change
- 5.4.1.14** PS 365 International Codes and Standards
- 5.4.1.15** PS 377 Science, Technology, Engineering, and Mathematics (STEM) Education
- 5.4.1.16** PS 382 Transportation Funding
- 5.4.1.17** PS 385 Licensure Requirements for Government Engineers
- 5.4.1.18** PS 390 Earthquake Hazards Mitigation
- 5.4.1.19** PS 395 Combined Sewer Systems
- 5.4.1.20** PS 416 Government Engineering Management Positions
- 5.4.1.21** PS 417 Justice, Equity, Diversity, and Inclusion
- 5.4.1.22** PS 420 Clean Water Act Reauthorization
- 5.4.1.23** PS 421 Floodplain Management
- 5.4.1.24** PS 422 Watershed Management
- 5.4.1.25** PS 425 Continuing Professional Development for Licensure
- 5.4.1.26** PS 434 Transportation Trust Funds
- 5.4.1.27** PS 439 Design Competition

- 5.4.1.28 PS 441 Stormwater Management
- 5.4.1.29 PS 443 Indemnification for Pro Bono Service
- 5.4.1.30 PS 444 The Role of the Federal Government in Civil Engineering Research and Development
- 5.4.1.31 PS 445 Aviation Transportation Program
- 5.4.1.32 PS 450 State Licensure Boards for Professional Engineers
- 5.4.1.33 PS 451 Life-Cycle Cost Analysis
- 5.4.1.34 PS 452 Investing in America's Schools
- 5.4.1.35 PS 453 Federal Capital Budgeting
- 5.4.1.36 PS 460 The Role of Non-Profit Educational Organizations in the Public Sector
- 5.4.1.37 PS 461 Non-Point Source Pollution
- 5.4.1.38 PS 471 Aviation Infrastructure Research
- 5.4.1.39 PS 482 Harmful Algal Blooms and Hypoxia Program
- 5.4.1.40 PS 497 Surface Transportation Research Funding
- 5.4.1.41 PS 499 Emergency Preparedness and Response
- 5.4.1.42 PS 502 Professional Ethics and Conflict of Interest
- 5.4.1.43 PS 504 Rehabilitation of Historic Bridges
- 5.4.1.44 PS 506 Building Engineering Capacity in Developing Countries
- 5.4.1.45 PS 507 Restoring and Maintaining Beaches
- 5.4.1.46 PS 509 Provision of Engineering Services Across State and International Boundaries
- 5.4.1.47 PS 526 Public Private Partnerships
- 5.4.1.48 PS 533 Offshore Facilities Development
- 5.4.1.49 PS 538 Publication of Publicly Funded Research
- 5.4.1.50 PS 539 Hydraulic Fracturing
- 5.4.1.51 PS 546 Freight Mobility
- 5.4.1.52 PS 548 Connected and Automated Vehicles
- 5.4.1.53 PS 550 Role of Science and Engineering Research in Government
- 5.4.1.54 PS 551 Visas and National Security
- 5.4.1.55 PS 556 Owners Commitment to Sustainability
- 5.4.1.56 PS 557 SMART Cities
- 5.4.1.57 R 558 Mandatory Use of Work Verification Software as Part of a Public Contract

5.4.2 **PS 524: Post-PE Certification within the Civil Engineering Profession**

The Board of Direction **REMANDED** PS 524 back to the Public Policy Committee and directed that the committee work with Directors David Odeh and Ken Rosenfield on the language for Board consideration at its meeting in October 2021.

5.4.3 PS 535: Defining the Civil Engineering Team

The Board of Direction **TABLED** PS 535 until the Task Committee on Building the Civil Engineering Team has an opportunity to provide feedback on the policy statement and provide its final report to the Board.

5.5 Committee on Student Conferences and Competitions

Scott D. Schiff, Ph.D., M.ASCE

5.5.1 Read Report

The report of the Committee on Student Conferences and Competitions was **READ** into the official record of this meeting. See **Attachment 4**.

5.5.2 ASCE Innovation Contest

The Board of Direction **APPROVED** the ASCE Blue Sky Innovation Contest as a Society-wide competition starting with the 2022 Student Symposia and **APPROVED** a motion to change the name of the contest to "ASCE Innovation Contest".

5.6 Continuing Education

Gayle Claman, Managing Director, Education

The Board of Direction **RECEIVED** a report on the Society's continuing education program. See **Attachment 5**.

5.7 Digital Strategy

Diane Javaid, Aff.M.ASCE; Director, Web Operations

The Board of Direction **RECEIVED** an update on the Digital Strategy project. See **Attachment 6**.

5.8 Program and Finance Committee

Maria C. Lehman, P.E., ENV SP, F.ASCE

5.8.1 Dues Increase

The Board of Direction **TABLED** discussion on the process for considering future dues increases until its October 2021 meeting.

5.8.2 Fiscal 2022 Operating Budget

The Board of Direction **APPROVED** the Fiscal 2022 Operating Budget with operating revenue of \$44,171,000 and expense of \$44,171,000, which includes (i) the originally proposed Fiscal 2022 Operating Budget

of \$44,357,000, plus (ii) a **RESTORED** \$188,500 in funding that was cut for Institute, Region and Section allotments, and Region Governor travel, plus (iii) a **REDUCTION** of \$250,000 as further approved in 5.11 (Future World Vision) below.

5.8.2 Fiscal 2022 Operating Budget

The Board of Direction **APPROVED** the Fiscal 2022 Operating Budget with operating revenue of \$44,171,000 and expense of \$44,171,00, which includes (i) the originally proposed Fiscal 2022 Operating Budget of \$44,357,000, plus (ii) a **RESTORED** \$188,500 in funding that was cut for Institute, Region and Section allotments, and Region Governor travel, plus (iii) a **REDUCTION** of \$250,000 as further approved in 5.11 (Future World Vision) below. **Attachment 7, Schedules A-B.**

5.8.3 Institute Budgets

The Board of Direction **APPROVED** the Fiscal 2022 budgets, as modified, for each of the Institutes as shown in **Attachment 7, Schedule C.**

5.8.4 ASCE Foundation

The Board of Direction **CONCURRED** with the ASCE Foundation Fiscal 2022 budget as shown in **Attachment 7, Schedule D.**

5.8.5 Civil Engineering Certification, Inc.

The Board of Direction **CONCURRED** with the Civil Engineering Certification, Inc. Fiscal 2022 budget as shown in **Attachment 7, Schedule E.**

5.8.6 Fiscal 2022 Capital Budget

The Board of Direction **APPROVED** the Fiscal 2022 Capital Budget as shown in **Attachment 7, Schedule F.**

5.8.7 Phase 2 Digital Strategy

The Board of Direction **APPROVED** provisional Phase 2 digital strategy funding of \$600,000 as shown in **Attachment 7, Schedule F,** subject to future Board updates and approval with details as Phase 2 planning progresses.

5.8.8 Investment Advisor

The Board of Direction **APPROVED** the continuation of Vanguard as the Society's investment advisor. See **Attachment 8**.

5.9 Task Committee to Review Organizational Efficiency

Mario Ricozzi, P.E., F.ASCE; Chair

5.9.1 Read Report

The final report of the Task Committee to Review Organizational Efficiency was **READ** into the official record of this meeting. See **Attachment 9**.

5.9.2 Recommendations

The Board of Direction **DIRECTED** staff to (1) disseminate the report and recommendations to the applicable organizational entities for evaluation and development of a plan to implement those they deem appropriate, and (2) provide a progress report to the Board at its Spring 2022 meeting.

5.9.3 Discharge

The Board of Direction **DISCHARGED** the Task Committee to Review Organizational Efficiency, with thanks.

5.10 Membership Update

Loretta Cranbourne, MBA, CAE, Aff.M.ASCE

The Board of Direction **RECEIVED** an update on 2021 membership numbers and dues revenue. See **Attachment 10**.

5.11 Future World Vision

Gerald Buckwalter, M.ASCE

The Board of Direction (1) **AUTHORIZED** an expenditure of \$250,000 in FY2021 as an advance from the \$600,000 Future World Vision line item approved in the FY2022 budget, to be contributed to ASCE from the ASCE Foundation, for a sizzle reel, film treatment, script development, and outreach to funders and partners to explore creation of a FWV film/exhibit for museums and science centers, (2) **MODIFIED** the approved FY2022 budget by reducing it by \$250,000, (3) **DIRECTED** that a financial master plan, schedule and set of deliverables for the complete project, including metrics, be provided to the Board of Direction at the October 2021 meeting, (4) **REQUESTED** that the decision to eliminate the virtual reality experience be reconsidered, and (5) **DIRECTED** the Program and

Finance Committee to consider the additional request of the \$3,000,000+ in preparation for a Board decision in October 2021. See **Attachment 11.**

5.12 Executive Committee

Jean-Louis Briaud, Ph.D., P.E., D.GE, Dist.M.ASCE; Chair

The minutes from the Executive Committee meetings were **DISTRIBUTED** to the Board of Direction upon approval.

5.13 Civil Engineering Certification Board Appointments

The Board of Direction **APPOINTED** Karen Kabbes, P.E., ENV SP, D.WRE, F.ASCE and Gordon Matheson, Ph.D., P.E., D.GE, M.ASCE, to the Civil Engineering Certification Board of Directors for a three (3) year term, commencing October 2021.

5.14 Governing Documents Committee

5.14.1 Section and Branch Annual Reports

The Board of Direction **APPROVED** by two-thirds vote on second reading amendments to the Bylaws, Article 9.2, to modify the dates for Sections and Branches to submit their Annual Report and Report of Section Finances. See **Attachment 12.**

5.14.2 Election Ballot

The Board of Direction **APPROVED** by two-thirds vote on second reading an amendment to remove Bylaws, Article 7.6, requiring Nominees to appear in alphabetical order on the election ballot. See **Attachment 13.**

5.15 Historical Civil Engineering Landmarks

5.15.1 Brooklyn Waterworks

The Board of Direction **DESIGNATED** the Brooklyn Waterworks in Brooklyn, New York, as a National Historic Civil Engineering Landmark. See **Attachment 14.**

5.15.2 Pathfinder Dam

The Board of Direction **DESIGNATED** the Pathfinder Dam in Alcova, Wyoming, as a National Historic Civil Engineering Landmark. See **Attachment 15.**

5.15.3 Sydney Opera House

The Board of Direction **DESIGNATED** the Sydney Opera House in New South Wales, Australia, as an International Historic Civil Engineering Landmark. See Attachment 16.

5.16 Board Appointments

The Board of Direction **APPROVED** the following appointments for FY 2022.

<i>Treasurer:</i>	Louis C. Aurigemma, P.E., F.ASCE
<i>Assistant Treasurer:</i>	F. Jay Burrell, P.E., ENV SP, F.ASCE
<i>Assistant Secretary:</i>	Martin J. Fertal, MCE, P.E., M.ASCE
<i>Parliamentarian:</i>	Tara Hoke, Aff.M.ASCE

5.17 Nominations for Committee Service

Dennis D. Truax, Ph.D., P.E., DEE, D.WRE, F.ASCE; President-elect

The Board of Direction **APPROVED** the nominations of the President-elect for service on ASCE committees, effective at the 2021 Annual Business Meeting. See Attachment 17.

5.18 Tellers Committee

The Board of Direction **RECEIVED** for information the report of the June 3, 2021, Tellers Committee meeting. See Attachment 18.

5.19 Future Meetings

A schedule of upcoming meetings may be found in Attachment 19.

6.0 OPEN FORUM

The Board of Direction **DISCUSSED** topics of interest not covered on the Board agenda. To comply with the Rules of Policy and Procedure, Article 5.4.2.5, the Board may not act on items that were not received by the Secretary thirty (30) days prior to the Board of Direction meeting.

7.0 EXECUTIVE SESSION – CLOSED SESSION

The Board of Direction convened in Executive Session to discuss topics that are confidential in nature. Minutes of actions taken during Executive Session are maintained

by the Society's legal counsel, unless otherwise included with the general meeting minutes for non-confidential actions taken.

7.1 Steel Bridge Competition

The Board of Direction took the following actions regarding the Steel Bridge Competition, following discussion during Executive Session.

- The Board of Direction **AUTHORIZED** the ASCE Executive Director to finalize and execute a new partnering agreement with American Institute of Steel Construction (AISC).
- The Board of Direction **AUTHORIZED** the Executive Committee to (1) appoint the ASCE members to the Rules Committee, (2) finalize the ASCE oversight committee that will oversee the competition in FY22, and (3) approve an unbudgeted FY22 expense of up to \$22,000 for the program if not covered by the Lea Fund or other source.
- The Board of Direction **DIRECTED** the Region 10 Board of Governors, the Committee on Student Conferences and Competitions, and the Structural Engineering Institute to work with the Architectural Engineering Institute, the Construction Institute, the Engineering Mechanics Institute, and the Geo-Institute to evaluate the feasibility of a more comprehensive global student steel bridge competition and to present their recommendations and timeline for implementation by 2026 to the Board of Direction for consideration at its October 2022 meeting.
- The Board of Direction **DISCHARGED** the ASCE Task Force on Evaluating a New Partnership for the Student Steel Bridge Competition, with thanks.

8.0 NEXT MEETING

The next meeting of the Board of Direction will be held October 4-5, 2021.

9.0 ADJOURNMENT

The Board of Direction **ADJOURNED** adjourn at approximately 4:30pm on July 17, 2021.