

Featured Group—BSCES Government Affairs & Professional Practice Committee

by AnaCristina Fragoso, Geotechnical Engineer, WSP | Parsons Brinckerhoff and Public Awareness & Outreach Committee Chair

The Government Affairs & Professional Practice Committee (GA&PP) serves to extend the reach of our professional engineering expertise to those who develop and administer public policy affecting the built environment. Our goal is to educate and inform our counterparts in the public policy realm about issues that are important to our membership, to our communities, and to our commonwealth. To that end, the GA&PP committee participates in a number of activities throughout the year to engage state and federal legislative officials, as well as officials in the executive departments.

One of our key activities during the year is to participate in Engineers and Land Surveyors' Day, which will occur May 23. This event provides the members of BSCES with an opportunity to speak with their state legislators and/or their staffs in a structured environment, with well-prepared materials explaining issues of concern to our profession. For those of our members who have participated, you are aware

how important this event is for BSCES and the engineering community as a whole. For those of you who have not participated, we strongly encourage you to take this rare opportunity to make sure your voice is heard as the Massachusetts House and Senate deliberate important legislation affecting our lives and livelihoods.

Another of our key events is participation in a similar event at the federal level. The American Society of Civil Engineers (ASCE) hosts an event where members from across the country participate in the Fly-In in Washington, DC. This year it was held March 14 and 15. Participants attend small group briefings with the staffs of their members of Congress and the Senate. Like Engineers and Land Surveyors Day at the state level, meetings are scheduled for the participants. Briefing materials and position papers are provided by ASCE and an entire day is dedicated to presentations on the issues before Congress concerning the civil engineering industry.

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President's Report

by Brian A. Morgan, Esq., Legal Counsel, CDM Smith Inc.



Congratulations! Once again, BSCES is setting the standard for the other ASCE sections. I am pleased to announce that BSCES was recently awarded the Annual Section and Branch Diversity Award for the second year! The Annual Section and Branch Diversity Award was established in July 2003 by ASCE's Committee on Diversity and Women in Civil Engineering, the predecessor of the current Committee on Diversity and Inclusion. Awards are presented each year to sections, branches, and

institutes demonstrating stellar and noteworthy efforts in promoting diversity and inclusion within the civil engineering profession. BSCES is being recognized for making significant and impactful contributions to the enhancement and awareness of diversity and inclusion within their local community. The formation of a Diversity and Inclusion Task Force, a diverse board membership, and its contributions to promoting STEM to underrepresented student populations, establishes BSCES as an exemplary model for demonstrating the essential value of diversity and inclusion.

UPCOMING EVENTS

EMG Networking Event May 10, 2017

Spring Awards Banquet May 12, 2017

2017 Karl R. Kennison Lecture May 17, 2017

Engineers and Land Surveyors Day
May 23, 2017

2017 Bertram Berger Seminar May 24, 2017

BSCES Program Committee Sponsored Training May 25, 2017

2017 Joseph C. Lawler Lecture June 15, 2017

BSCES Program Committee Sponsored NHI Training June 27–29, 2017

Further Details Inside



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ASCE's President-Elect, Kristina Swallow, will be visiting with each New England Section in May. We are fortunate that Ms. Swallow will be attending a Leadership Luncheon on May 12 during which she is expected to discuss ASCE's three initiatives and what she hopes to accomplish during her tenure as ASCE president. Held at CDM Smith's offices in Boston, this lunch is primarily for the BSCES Board of Government members and our Society Sponsor representatives. However, if you would like to participate, please contact Rich Keenan

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Boston Society of Civil Engineers



Featured Group—BSCES Government Affairs & Professional Practice Committee

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ASCE has also released the Infrastructure Report Card for 2017, which shows the current standing for the nation at a D+. Massachusetts has several key infrastructure needs and stands at a D. We are focusing on water, wastewater and bridges this year and are staying alert for opportunities to support other infrastructure incentives, especially towards climate change needs.

The GA&PP committee also provides an interface between the BSCES Legislative Fellow and the membership-at-large. For the current 18-month Massachusetts legislative session, our Legislative Fellow is Byron Clemence, PE, consulting engineer, who was introduced to Representative William Strauss’ staff by 2016–2017 BSCES Legislative Fellow Michael Sullivan, PE, on March 28. After the legislative fellow begins serving as a technical resource for the Joint Committee on Transportation, which Representative Strauss chairs, he or she is invited to participate in GA&PP committee meetings, providing insight on the current state of affairs on Beacon Hill. Of course, the legislative fellow is bound by confidentiality requirements, so their input must be limited to information that is not confidential in nature.

The primary focus of the GA&PP committee has always been and continues to be the legislative and regulatory process of government. Throughout the year, the GA&PP committee tracks legislative and regulatory initiatives, reviewing new proposals to determine their

impact on the built environment and civil engineering profession. Currently, the committee is tracking several initiatives, including funding for water resources infrastructure, sustainability and resiliency, public private partnerships (P3) initiatives in the water resources domain.

To that end, GA&PP committee sponsored an April 10 dinner with Joseph Aiello, partner and board member, Meridian Infrastructure, on Public Private Partnerships. Joseph Aiello has been involved in numerous mega-projects in the public transportation sector in North America, including Boston’s South Station Transportation Center. His presentation included a review of the Port Miami Tunnel project, a highly complex project which was built through a public-private partnership (P3) that includes the design, build, finance, operation and maintenance. It is a 35-year concession agreement between the Florida Department of Transportation and MAT Concessionaire, LLC. Other topics that he discussed include P3 projects and corporate social responsibility (CSR). The program concluded with a brief look at P3 projects in Massachusetts and Rhode Island, legislative champions and lessons learned.

If any of our activities sound interesting to you, we would welcome your participation! The GA&PP committee is always looking for new members. Anyone interested can contact me at Fragoso@pbworld.com or at 617/459-8513.

Become a BSCESNews Contributor

Would you like to contribute to the newsletter of the oldest civil engineering society in the country? The BSCES Newsletter Editorial Board is seeking members who are willing to write articles for publication in *BSCESNews* or to join the Editorial Board.

Typically 300 to 700 words, *BSCESNews* featured articles are about technical topics or professional matters of interest to civil engineers. The June 2017 issue of the newsletter for example, will highlight the ASCE Coasts, Oceans, Ports and Rivers Institute Boston Chapter and feature one or more articles on the theme of Emergency Preparedness.

Editorial Board members meet monthly via conference call to plan upcoming issues of the newsletter. They also solicit, write and/or review newsletter articles.

For more information on how you can become a *BSCESNews* contributor, contact BSCES Newsletter Editorial Board Chair Mike Cunningham at mcunningham@kleinfelder.com or BSCES Association Manager Rich Keenan at rkeenana@engineers.org.

South Bay Boston

by Anna Dastgheib-Beheshti, EIT, Design Engineer, Bohler Engineering

EDENS, one of the nation's leading retail real estate developers, received approval from the Boston Planning and Development Agency in May 2016, and officially broke ground in August 2016 for a 700,000 square foot expansion of South Bay. The approximately 11-acre project site, located at 101 Allstate Road in Dorchester (within walking distance from the Andrew Square Red Line station and the Newmarket stop on the Fairmount Line) was previously a vacant industrial property with aging buildings and a concrete plant. The current expansion is a stimulus for future development in the Newmarket District, transforming the underutilized site into a dynamic and vibrant center of community life.

The redevelopment, which includes proposed upgrades to the existing South Bay center in addition to the new construction, will create a true gathering place for the surrounding neighborhood. The project is comprised of:

- 475 housing units;
- A 130-room hotel;
- 1,095 new surface and structured parking spaces;
- 125,000 SF of retail/restaurant space; and a
- 60,000 SF AMC cinema with an IMAX & AMC Prime.

Construction is being sequenced into three distinct phases to facilitate ideal timing and accommodate current tenants. A strict construction management plan will mitigate possible construction period impacts. Existing buildings and uses are being razed and replaced to make room for the implementation of an original street grid. The proposed grid's walkable sidewalks, pristine landscaping, and shared bicycle/vehicular lanes are designed to be both pedestrian and



Figure 1: Oblique View of Existing Site



Figure 2: Project Site Plan

transit-oriented, thereby linking the development to local communities and nearby MBTA stations.

Carefully considered transition zones between the established center and the expansion will create clear connectivity between the old character and the new. To create an interesting pedestrian rhythm, many of the buildings have been designed with various projections (bays or building masses that push in and out toward the sidewalk) along their lengths. Furthermore, lessening the industrial uses in the area will result in a reduction of truck traffic from local streets.

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South Bay Boston

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To address the common challenge of urban parking and resident access, the new design features garaged parking for the onsite residences. Those buildings, including retail spaces, will wrap these garages to ensure they are not visible from the streetscape, further maximizing aesthetic appeal for abutting properties. A full traffic analysis was also performed to ensure the proposed infrastructure meets the needs of a lifestyle-centered, mixed use destination.

With the City's goals for a sustainable future in mind, the buildings will be in full compliance with federal, state and city environmental regulations through energy-efficient, environmentally friendly, and LEED-certifiable design. The South Bay expansion embraces the opportunity to positively influence the urban environment. Its location takes advantage of the existing infrastructure, while its convenient access routes to mass transportation will reduce dependence on single-occupant vehicle trips and minimize transportation impacts. Sustainable upgrades, like reducing the current amount of impervious cover and the inclusion of stormwater treatment and infiltration systems, will result in improving both the quantity and quality of stormwater runoff. Strategies, such as low-flow plumbing fixtures and drought-



Figure 3: Project Rendering

tolerant plant species in the landscaped areas, will fulfill water conservation requirements. The installation of 880 roof-mounted solar panels at the existing center will provide on-site, renewable energy and reduce demand on the district's grid. Additionally, EV charging stations will be available in the new retail and residential parking garage.

The various site amenities for residents and the public at large will contribute to the transformation of the currently underutilized site. South Bay will enrich the Dorchester community through its unique approach to project design, merchandising and operations, and community engagement.

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President's Report

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at 617/305-4110 or rkeenan@engineers.org. Seating is limited due to the venue and will be on a first-come, first-served basis.

In addition to the Leadership Luncheon, Ms. Swallow will be the keynote speaker at the Outreach Spring Awards Dinner, which will be hosted at Louis Berger's office in Needham and occurs the evening of May 12. Ms. Swallow will discuss ASCE's inspiring, giant-screen movie *Dream Big: Engineering Our World*. This night provides BSCES the opportunity to recognize BSCES student contest winners, ASCE and BSCES Life Members and others.

BSCES technical groups and institute chapters have lined up a lot of activities for this spring and I would encourage you to attend the upcoming events before we take a break for the summer. These include three events supported by BSCES Special Funds.

On Wednesday, May 17, at the Boston headquarters of CDM Smith, the Environmental & Water Resources Institute Boston Chapter will be presenting the 2017 Karl R. Kennison Lecture. This dinner meeting features Beth Lambert, aquatic habitat restoration program manager, MA Division of Ecological Restoration,

and Nick Nelson, regional director & fluvial geomorphologist, Inter-Fluve, presenting the topic *Creating Resilient, Healthy Rivers: Dam Removal Projects in Massachusetts*.

The Transportation & Development Institute Boston Chapter will be hosting the 2017 Bertram Berger Seminar at the Omni Parker House in Boston on Wednesday, May 24. Organized under the theme, *Multimodal Transportation for Today's Modern Society*, this seminar includes a keynote address by Anna M. Barry who is deputy commissioner of the Connecticut Department of Transportation and features two panel discussions. The first, *Advocacy for Multimodal Transportation Infrastructure*, is moderated by Luisa Paiewonsky, director, infrastructure systems and technology, U.S. DOT/Volpe Center. The second, *Design Challenges to Accommodate Multimodal Transportation*, is moderated by Lisa Brothers, chairman and chief executive officer, Nitsch Engineering.

The Engineering Management Group will be holding the 2017 Joseph C. Lawler Lecture on Thursday, June 15 at the Top of the Hub restaurant in Boston. The guest speakers will be Rick Dimino who is president and CEO of A

Better City and Barry Bluestone, senior research associate at the Dukakis Center for Urban and Regional Policy, Northeastern University. Both speakers will be discussing *Greater Boston's Infrastructure Needs*.

Please see the inserts at the end of this newsletter for further information on each of these upcoming BSCES Special Fund events and be sure to register to attend by their respective registration deadlines.

I would like to thank our Society and Program Sponsors, whose financial support helps enable BSCES and its committees, institute chapter and technical groups to host the numerous networking and professional development events that are planned for this year. I am especially appreciative of AECOM, which is a 2016-2017 BSCES Society Sponsor and sponsor of the April 2017 *BSCESNews*.

The theme of this month's newsletter is State of Infrastructure and I urge you learn more about this issue's featured group, the BSCES Public Awareness & Outreach Committee, which is chaired by AnaCristina Frago of WSP | Parsons Brinckerhoff. This issue of *BSCESNews* contains a page 1 article written by AnaCristina.



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Complete Streets—MassDOT's Successful Twist for an Overdue Concept

by William J. Scully, PE, Director of Transportation Planning & Complete Streets Program Practice Leader, Green International Affiliates, Inc.

The Commonwealth of Massachusetts has taken great strides in advancing the Complete Streets philosophy and its principles. From incorporating Complete Streets elements into state projects to providing grants to municipalities to plan comprehensive approaches to Complete Streets, Massachusetts is leading the charge through its Department of Transportation. All of our communities benefit from the increased focus on making our streets more “friendly” to all users.

A Complete Street is defined by many, including the Institute of Transportation Engineers (ITE), as one that considers the movements and needs of all users of streets and roads, including pedestrians, bicyclists, persons with disabilities, seniors, children, motorists, public transportation users and operators, drivers of goods and emergency responders. Over the past 10 years, there has been a notable increase in emphasis on Complete Streets, building on previous concepts of traffic calming, safe routes to school and context-sensitive principles to name a few. Creating Complete Streets has been shown to provide numerous benefits including improved public health and welfare, enhanced economic vitality, increased transportation safety, and at the end of the day, an enhanced quality of life, all of which contribute toward creating great communities. By incorporating a Complete Streets approach, communities improve the environment and degree of comfort for all users of the street right of way. The Complete Streets philosophy is not to have the private motor vehicle disappear, but instead to open up “avenues” in a safer manner to those that may have found it difficult to travel from point A to B in the past. Complete Streets also becomes a tool in encouraging and accommodating an active transportation lifestyle.

How we get to a Complete Streets environment varies and it comes with interests and perspectives from a number of different sources including transportation departments, engineers, planners, health organizations and advocate groups including AARP, and in this region, WalkBoston.

Many state transportation departments across the country have now adopted some form of a Complete Streets policy in their normal course of doing business. Smart Growth America (SGA) has encouraged and fostered a push for communities to create and adopt comprehensive Complete Streets policies. We now have transportation projects incorporating various elements such as ADA compliant sidewalks, wider shoulders that can accommodate bicycle travel, narrow travel lanes to slow speeds, and enhanced street crossings and streetscape elements. However, while the above concepts and principles now exist and may be “moving the needle,” it is still common today that the transportation engineer or planner entering a community at large will see poor or no sidewalks, less than safe or desirable bicycle accommodation, transit service that may be “invisible” in the communities we live and work and the lack of connectivity. This means there is work to be done.

Massachusetts has been a leader in the country for encouraging Complete Streets and incorporating this way of thinking, which design engineers must now embrace going forward. In 2014, Gov. Patrick signed the Healthy Transportation Policy into practice. The Baker administration has continued advancing the principles through its Community Compact program and issuing grant awards. Up to now, Massachusetts has uniquely advanced the Complete Streets concept by instituting a program with 2015 legislation that not only encourages municipalities to think Complete Streets, but also provides them with direct financial assistance to plan a comprehensive communitywide Complete Streets approach and implement eligible actions to advance the principles.

The MassDOT grant program is a three-tier program that requires municipalities that want to participate to develop and adopt a Tier 1 Complete Streets policy and have municipal staff attend a free, required training class on Complete Streets. As of February 2017, more than 1,724 attendees

from communities, public agencies and private industry across the Commonwealth had attended either the introduction or the more advanced class. Tier 2 is the development of a Prioritization Plan that looks holistically in their respective communities and outlines at least a five-year program of actions and priorities. Once a policy is adopted, the communities become eligible for a Tier 2 planning grant up to \$50,000 to fund the Complete Streets Prioritization Plan. With a plan in place, the community can apply for a Tier 3 grant up to \$400,000 every year to implement one or more actions from the plan. These Tier 3 monies can cover stand-alone projects or supplement other funding sources as part of larger projects. Project categories of pedestrian, bicycle, transit and traffic operations outline a wide range of specific actions eligible for funding. These include such items as new or repaired sidewalks, ADA compliant ramps, pedestrian crossing signals, bicycle lanes, transit shelters, bicycle storage equipment, driver speed display feedback signs and place making components. The key to Tier 3 awards is that projects must be “ready to go.”

The MassDOT program got underway in February 2016 and the results have been pretty remarkable. There have been 297 communities that have sent staff and officials to the program training. As of early March 2017, 117 municipalities have adopted a Complete Streets policy. Thirty (30) communities have developed and submitted the Tier 2 Prioritization Plans and the program has now awarded Tier 3 implementation grants to 26 communities totaling approximately \$10 million. Factors lending to its success is its simplicity, direct award to municipalities and letting them to decide how to prioritize and spend the funds, and minimizing the “red tape” so implementation occurs quickly. Overall, this program has gotten off to a great start and accomplished much in its first year. Here's to a successful continuation of the Complete Streets program and its improving to the vitality of our communities.



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2017 Section Awards—Call for Nominations

by Richard F. Keenan, BSCES Association Manager

Each year, BSCES presents Section Awards to members and other individuals who have made significant contributions to the profession and their communities. BSCES also presents Large and Small Employer Recognition Awards annually to employers that encourage their engineers to participate in ASCE and BSCES. Award recipients are chosen by members of the BSCES Board of Government from among a group of deserving individuals in the Section or community who are nominated by their peers in recognition of their service. There are a wide variety of awards including those that recognize individuals for their technical expertise, community involvement and government service. Award recipients will be acknowledged and presented their awards during the 169th BSCES Annual Awards Dinner this fall.

BSCES members are encouraged to review the list of annual awards below and to nominate a colleague or friend who deserves special recognition by downloading, completing and submitting a 2017 Section Award Nomination Form and/or 2017 Employer Recognition Award Nomination Form on or before the May 15 submission deadline. You may contact the Awards Committee Chair Christopher Smith at 617/532-2223 or crsmith@hntb.com if you would like to discuss a nomination or have any questions.

• **Citizen Engineer Award:** This award is presented to a BSCES member or registered professional engineer for outstanding public involvement in local or national legislation, education (at any level), non-profit volunteer organizations, community activities, or similar

activities improving the image of ASCE, BSCES and the civil engineering profession.

- **Lester Gaynor Award:** This award is presented to a BSCES member or registered professional engineer for part-time elected or appointed service as a city or town official, whose reimbursement for this service has not been more than an honorarium.
- **Government Civil Engineer Award:** This award is presented to a BSCES member who is serving as a paid public sector engineer at a federal, state, or municipal agency, department, or authority in Massachusetts.
- **Clemens Herschel Award:** This award recognizes those individuals who have published papers, not necessarily published in the BSCES Journal, that have been useful, commendable and worthy of grateful acknowledgment. If nominating for the Clemens Herschel Award, please attach the name of the paper and names of all authors, if co-authored.
- **Ralph Horne Award:** This award is presented to a BSCES member or registered professional engineer for unpaid public service in a municipal, state or federal-elected or appointed post for philanthropic activities in the public interest.
- **Journalism Award:** This award is to be presented to a member of the media who reports on engineering topics, particularly civil engineering, in a manner that benefits the profession. The Public Awareness and Outreach Committee reviews these nominations and recommends the recipient to the Board.

• **Pre-college Educator Award:** This award is to be presented to a member of the K–12 educational community who integrates engineering topics, particularly civil engineering, in a manner that benefits the profession and may promote students to pursue an engineering career. The Public Awareness and Outreach Committee reviews these nominations and recommends the recipient to the Board.

• **Technical Group Award:** This award is given for papers which have been presented at a Technical Group meeting or for papers that were submitted to a Technical Group for review and recommended for publication by its Executive Committee. Each paper should be original (i.e., not contributed or published elsewhere). This award is open to all BSCES members.

• **Younger Member Award:** This award is intended to recognize a member, 35 years of age or younger on February 1 in the year of the award, who has made an outstanding contribution to BSCES.

• **Large Employer Recognition Award:** This award is intended to recognize an employer with more than 50 employees that encourages their engineers to actively participate in ASCE and BSCES.

• **Small Employer Recognition Award:** This award is intended to recognize an employer with fewer than 50 employees that encourages their engineers to actively participate in ASCE and BSCES.

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Recent News and Updates

Call for Nominations—

BSCES Lester Gaynor Award

Do you know someone who is currently volunteering their time in service to a city or town? Please consider nominating them for the 2017 BSCES Lester Gaynor Award! One of the BSCES Section Awards (See page 7 article), this award is presented annually to a BSCES member or to a registered professional engineer who is engaged in the practice of civil engineering. The award recipient should be an individual who has been outstanding as a part-time elected or appointed city or town official and whose reimbursement for this service has not been more than an honorarium. Consider nominating someone you know!

The 2017 Lester Gaynor Award will be presented during the 169th BSCES Annual Awards Dinner in the fall. Examples of past recipients include BSCES members and professional engineers who volunteer on their local conservation commission or planning board. Similar to the other BSCES Section Awards, nomination is easy! Just fill out the [nomination form](#) that is available on the BSCES website and included as an insert at the end of this newsletter and send with a brief (no more than one page) explanation of the candidate's qualifications for nomination to BSCES Awards Committee Chair Topher Smith at crsmith@hntb.com.

BSCES Welcomes its New Members

The BSCES Board of Government is pleased to welcome the following new members who joined BSCES during the month of March, 2017:

Affiliates

Kyle Morose, Hadley, MA

Associates

Babak Kamranimoghaddam, Karen Clark & Company

Students

Giuseppe Ardito, Worcester Polytechnic Institute

Koby Avramovich, Syracuse University

Alex J. Candiloro, University of Massachusetts Lowell

Andrew E. Card, University of Rhode Island

Michelle N. Chrisman, Wentworth Institute of Technology

James Daley, Merrimack College

Daisy Draper, Tufts University

Grace Federiconi, Medford, MA

Sonja Hartmann, Tufts University

Kozel Jules, Northeastern University

Aleksandr Kirpach, Tufts University

Gabriela Kuran, Wentworth Institute of Technology

Georgios Michos, Peabody, MA

Miguel Munarriz, Northeastern University

Anna M. Pelletier, University of Massachusetts Lowell

Stephen Peterson, Worcester Polytechnic Institute

Madison Ryan, Worcester Polytechnic Institute

Sovathya Sar, Wentworth Institute of Technology

Anna I. Schab, Worcester Polytechnic Institute

Emily Schneider, University of Massachusetts Lowell

Shuojia Shen, Boston, MA

Kelsey Shukis, Northeastern University

Jennifer B. Skerker, Tufts University

Stephanie Sok, University of Massachusetts Lowell

James Sullivan, Wentworth Institute of Technology

Edmundo Zambrano, Wentworth Institute of Technology

ASCE Virtual Career Fair is Next Month

The upcoming ASCE Virtual Career Fair is a free online event enabling job seekers and employers with openings to connect and interact. The event will take place Wednesday, May 17, starting at 11 AM. Find out more about the virtual fair online, including a list of [organizations](#) and [job seekers](#). [Register online today!](#)

Have you seen the new print ASCE News?

ASCE News has returned in print! It arrives in your mail with *Civil Engineering* magazine. Catch up on major Society activities, what members are doing at the local level, and where to find details online, all in a lively, quick read. If you don't receive the magazine, or want a preview, view it online. [Click here](#) to see March's ASCE News.

In Memory of Stanley C. Rossier

BSCES is sad to inform you that Stanley Clark Rossier of Lee, MA, the 1982 president of BSCES and ASCE fellow, passed away peacefully on Sunday, April 16, 2017 after a long illness. Stan began his career in 1955 with Boeing Aircraft Company in Seattle, Washington. In 1969 he moved to Massachusetts to join Stone and Webster Engineering Corporation. In his 24 years there he participated in the formation of the

geotechnical division and was involved in the design and construction of large international engineering projects. He retired from Stone & Webster in 1994 as engineering manager and vice president, S&W civil and transportation services. Stan's complete obituary is available [online](#). In accordance with Stan's wishes, in lieu of flowers the family requests donations be made to the Massachusetts Council of Churches, the Massachusetts Bible Society, or Hospice Care in the Berkshires in care of Kelly Funeral Home, 3 Main Street, Lee, MA 01238.

Boston By Foot Tour of Fort Point Channel on May 18

On Thursday, May 18, 2017, Boston By Foot will be offering a special tour of Fort Point Channel. This unique walking tour will focus on the history and engineering of the waterway as well as its three remaining historic bridges, plus the memories of the Mt. Washington, the rolling bridges at South Station and the ambitious cofferdam. The tour will cover topics such as the architecture and usage of the several bridges that cross the Channel, and how they have evolved over time. Participants will gain a new understanding and appreciation for the history of this industrial waterway that has become the centerpiece of this neighborhood's revival. [Click here](#) for additional information including how to register for this event.

Sanborn Head Celebrates MGM Springfield Topping Off

On March 29 MGM Springfield held a topping off ceremony during which the final steel beam set in place on top of this much anticipated resort-style casino. Sanborn Head has been instrumental in this mixed-use redevelopment that is expected to transform the South End area of Springfield. Among the attendees at this event was Sanborn Head Senior Vice President Tricia Pinto, who is principal in charge of site assessment and due diligence for this project and a BSCES member. Commenting on this major milestone, Pinto said "I've been working on this project since 2012, and it gives me a great sense of pride to see the structure reach its final height." Pinto added "I'm proud that we contributed to the integrity of the MGM structure and am certain that it will give the economic boost the community is looking for." It is anticipated that MGM Springfield will open September 2018, attracting 8 million visitors annually.

Upcoming Events

For more information and to register for events, please visit www.bsces.org

To register online for an event at the BSCES member rate you must login using your BSCES assigned username and password.

If you do not know your BSCES member login information, call 617/227-5551.

Engineering Management Group Event

Wednesday, May 10, 2017

American Fresh Brewhouse Beer Garden
Assembly Row, 301 Canal Street
Somerville, MA

5:30 PM Networking/Social

2017 EMG Networking Event

What's EMG? This is your chance to learn more about the Engineering Management Group; who we are and what we do! EMG and the Younger Member Group would like to invite you to join us at the American Fresh Brewhouse Beer Garden for an informal social gathering on Wednesday, May 10th. Join us for a night of networking and great food.

Please see the Insert at the end of this month's newsletter for further details.

Public Awareness & Outreach Committee Event

Friday, May 12, 2017

Louis Berger, 117 Kendrick Street, Suite 400
Needham, MA

5:30 PM Social/Registration

6:30 PM Dinner

7:15 PM Presentation

The Spring Awards Banquet

ASCE President-Elect Kristina L. Swallow, PE,
ENV SP, FASCE, Program Manager for the City
of Las Vegas

Join us as we celebrate the civil engineering profession and the dedication of professionals and young individuals who have strived for excellence this year. We will be honoring the student winners of the Ralph Salvucci Online Bridge Contest, the Model Bridge Competition and the New England Regional Future City

Competition. We will also be honoring professional engineers who have achieved excellence with BSCES Lifetime membership. ASCE President-Elect Kristina L. Swallow will deliver the dinner's keynote address.

Please see the Insert at the end of this month's newsletter for further details.

2017 Karl R. Kennison Lecture

Hosted by the EWRI Boston Chapter

Wednesday, May 17, 2017

CDM Smith Conference Room

75 State Street, Suite 701, Boston, MA

5:45 PM Social/Registration

6:30 PM Dinner

7:00 PM Presentation

Creating Resilient, Healthy Rivers: Dam Removal Projects in Massachusetts

Beth Lambert, Aquatic Habitat Restoration
Program Manager, MA Division of Ecological
Restoration

Nick Nelson, Regional Director & Fluvial
Geomorphologist, Inter-Fluve

Massachusetts has more than 300 dams, most of which were built in the 1800s to power mills. These aging dams have outlived their original purpose and are now deteriorating, threatening public safety and river health. Massachusetts, through regulatory efforts and community involvement, has become one of the leading states in removing dams and restoring the health of the rivers in the state. This session will cover a broad range of topics associated with dam removals to provide a better understanding of the history, costs and benefits, and design and construction details for the removal of dams.

Please see the Insert at the end of this month's newsletter for further details.

Government Affairs & Professional Practice Committee Event

Tuesday, May 23, 2017

Massachusetts State House

24 Beacon Street, Boston, MA

9:00 AM – 11:45 AM

Engineers and Land Surveyors Day at the State House

Engineers, Land Surveyors, Public Works Professionals and other design professionals will meet with Massachusetts state legislators at the State House May 23, 2017. We make appointments for you and provide issue briefings; we arrange for meeting with our members' Massachusetts State Representatives and State Senators based on where our members live and vote.

For further details, or to register for Engineers and Land Surveyors Day at the State House, [click here](#).

continued on page 10

Register Today!

Monday, June 19, 2017

Silver Anniversary Golf Tournament to Benefit the Engineering Center Education Trust

Shaker Hills Country Club, Harvard, MA

9:30 AM Registration

11:00 AM Shotgun Start

4:30 PM Reception

5:30 PM Dinner & Awards

All proceeds benefit The Engineering Center Education Trust and our mission to support engineering through professional development, student outreach, and public awareness.

[Click here](#) to register for this event.

2016–2017 BSCES Program Sponsors

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Upcoming Events *(continued from page 9)*

2017 Bertram Berger Seminar

Hosted by the T&DI Boston Chapter

Wednesday, May 24, 2017

Omni Parker House

60 School Street, Boston, MA

1:30 PM Registration

1:50 PM Opening Remarks

2:00 PM Panel Discussion

5:00 PM Social

6:00 PM Dinner, Bertram Berger Tribute,

Keynote Address, and Awards

Multimodal Transportation for Today's Modern Society

Keynote Speaker: Anna M. Barry, Deputy Commissioner, Connecticut Department of Transportation

Join the Transportation & Development Institute Boston Chapter for the 2017 Bertram Berger Seminar. The annual event focuses on transportation related issues around New England with presentations from experts within our industry. In addition to a keynote address by ConnDOT Deputy Commissioner Anna M. Barry, this seminar features two panel discussions. The first, *Advocacy for Multimodal Transportation Infrastructure*, is moderated by Luisa Paiewonsky, director, infrastructure systems and technology, U.S. DOT/Volpe Center. The second, *Design Challenges to Accommodate Multimodal Transportation*, is moderated by Lisa Brothers, chairman and chief executive officer, Nitsch Engineering.

Please see the Insert at the end of this month's newsletter for further details.

BSCES Program Committee Sponsored Training

Thursday, May 25, 2017

The Aldrich Center at TEC

One Walnut Street, Boston, MA

12:30 PM Registration

1:00 PM – 5:00 PM Training

Floodplain Management 101

Peter A. Richardson, PE, LEED AP, CFM, ENV SP, Executive Vice President, Green International Affiliates, Inc.

Joy Duperault, CFM, Director, MA DCR Flood Hazard Management Program, State NFIP Coordinator & Hazard Mitigation Officer

Eric Carlson, Assistant Director, MA DCR Flood Hazard Management Program and Environmental Engineer

John Grace, CFM, Coastal Engineer, FEMA Region I Mitigation

This four-hour course will cover the basics of floodplain management relative to compliance with FEMA regulations under the National Flood Insurance Program (NFIP), 44 CFR60.3 and the Massachusetts Wetland Protection Act 310 CMR 10.00. This course is perfect for engineers who need to know the basics of how FEMA flood maps are prepared, the different types of flood zones shown on the maps and the design requirements for the different types of flood zones (coastal and riverine).

Please see the Insert at the end of this newsletter for further details.

2017 Joseph C. Lawler Lecture

Hosted by the Engineering Management Group

Thursday, June 15, 2017

Top of the Hub, Prudential Tower, 52nd Floor
800 Boylston Street, Boston, MA

6:00 PM Social/Registration

6:45 PM Dinner; Presentation to Follow

Greater Boston's Infrastructure Needs

Rick Dimino, President and CEO, A Better City
Barry Bluestone, Professor of Public Policy and Urban Affairs, Northeastern University

In the 2016 publication, *State of the Built Environment: Greater Boston's Infrastructure*, A Better City in Partnership with the Dukakis Center for Urban and Regional Policy teamed up to lay out the needs of the region's

transportation, energy, water, sewer and waste management systems. In the report, the state of infrastructure in nearly 150 communities surrounding Boston were measured. Join us for this year's Joseph C. Lawler Lecture to hear what the team determined were the major infrastructure needs of greater Boston and to understand how regional leaders and stakeholders can use this information as they plan for projected population and economic growth leading up to 2030.

Please see the Insert at the end of this month's newsletter for further details.

BSCES Program Committee Sponsored NHI Training

Tuesday – Thursday, June 27 – 29, 2017

Hilton Garden Inn Worcester

35 Major Taylor Boulevard, Worcester, MA

8:00 AM – 4:30 PM

FHWA-NHI-130053 Bridge Inspection Refresher Training

The major goals of this course are to refresh the skills of practicing bridge inspectors in fundamental visual inspection techniques; review the background knowledge necessary to understand how bridges function; communicate issues of national significance relative to the nations' bridge infrastructures; re-establish proper condition and appraisal rating practices; and review the professional obligations of bridge inspectors. This course is based on the "Bridge Inspector's Reference Manual," 2002 (updated 2006), with reference to the AASHTO Manual as defined by the National Bridge Inspection Standards regulation.

Please see the Insert at the end of this month's newsletter for further details.

ASCE Webinars

ASCE WEBINARS

SUPPORT OUR SECTION

Use WEBBOSSEC to have
20% of your purchase
donated to our Section.

ASCE | CONTINUING EDUCATION

Are you planning to take an ASCE webinar? Sign up with the code WEBBOSSEC and 20% of your registration fee will be donated to the Boston Society of Civil Engineers Section/ASCE.

For a full listing of ASCE Webinars, [click here](#).

Need to Take FHWA-NHI-130055 Safety Inspection of In-Service Bridges?

The BSCES Program Committee is trying to determine whether there is enough member need to host the two week-long FHWA-NHI-130055 Safety Inspection of In-Service Bridges course this year. If you need to take this course, please contact Rakaia El-Kasaby at relkasaby@engineers.org as soon as possible so that one may be scheduled.

Classifieds

CLD Consulting Engineers, Inc.

CLD Consulting Engineers, Inc., a mid-sized multi-discipline civil engineering firm located in southern New Hampshire is seeking candidates to fill an immediate need for a **Mid-level Bridge Engineer**. CLD is a team oriented company that makes client satisfaction our highest priority. CLD's clients include the States of New Hampshire, Vermont, Maine and Massachusetts and a wide range of municipalities in several states. We offer a comprehensive range of benefits and flexibility to our team members. Interested candidates, please visit our website at www.cldengineers.com.

Siena Engineering Group, Inc.

Siena Engineering Group, Inc. is seeking a **Licensed Civil Engineer** for a part-time (16 hours per week) Burlington, MA-based position. Provide engineering, planning and project management for the construction of fiber optic facilities throughout the Northeast and Pacific Northwest. Oversee preparation of construction plan sets, reviewing and stamping them for bidding. Please send resumes to: leanne.trauger@sienaengineeringgroup.com.



McFarland Johnson
Innovative Solutions / Sustainable Results

McFarland Johnson, a nationally recognized, 100% employee-owned, multi-disciplined firm seeks highly motivated, entry-associate level engineers for our growing Bridge Practice in New England.

Bridge Engineer, Westford, MA

Design & construction plan development for complex & innovative bridge rehabilitation & replacement projects throughout New England. BSCE required, MS preferred, with EIT + 1-4 years' bridge design experience. Experience with MicroStation & AutoCAD highly desired.

Go to: www.mjinc.com to view this Job Posting & learn more on becoming an employee owner of MJ. Interested candidates may submit resume online, or directly to: employment@mjinc.com.



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2017 EMG Networking Event **Wednesday, May 10, 2017**

American Fresh Brewhouse Beer Garden

Assembly Row, 301 Canal Street, Somerville, MA 02145

5:30 PM Networking/Social

What's EMG? This is your chance to learn more about the Engineering Management Group; who we are and what we do! EMG and the Younger Member Group would like to invite you to join us at the American Fresh Brewhouse Beer Garden for an informal social gathering on Wednesday, May 10th. Join us for a night of networking and great food.

This no-cost event is open to anyone and everyone who is interested in learning more about EMG; what our interests are; EMG's role as a BSCES institute chapter; and how you can become more involved! Heavy appetizers will be provided along with a cash bar.

Registration Information:

Registration Fee: FREE!

Please email Michaela Bogosh, Chair of the EMG at bogoshml@cdmsmith.com if you are interested in attending this event.

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Engineers, Inc.

The Spring Awards Banquet

Keynote Speaker:

ASCE President-Elect Kristina L. Swallow, PE, ENV SP, F.ASCE
Program Manager for the City of Las Vegas

Friday, May 12, 2017

Louis Berger, 117 Kendrick Street, Suite 400, Needham, MA

5:30 PM Social/Registration; 6:30 PM Dinner; 7:15 PM Presentation

Join us as we celebrate the civil engineering profession and the dedication of professionals and young individuals who have strived for excellence this year. We will be honoring the student winners of the Ralph Salvucci Online Bridge Contest, the Model Bridge Competition, and the New England Regional Future City Competition. We will also be honoring professional engineers who have achieved excellence with BSCES Lifetime membership. ASCE President-Elect Kristina L. Swallow will deliver the dinner's keynote address.

Registration Deadline: Friday, May 5, 2017

\$40 BSCES Members, \$50 Non-Members

\$35 Public Sector Members, \$45 Public Sector Non-Members

\$25 Senior Members (+65), \$25 Student Members

\$240 Table of 6

Information/Registration:

Register to attend this meeting and pay by credit card online at bit.ly/SpringAwards17. To register online for an event at the BSCES member rate you must login using your BSCES assigned username and password. If you do not know your BSCES member login information call 617/227-5551. You can also register for this event by mail or email. To do so, download and complete a [BSCES Event Registration Form](#) and follow the submission instructions. Cancellations received after May 5, 2017 and no-shows will be billed.

Each year, BSCES presents awards to deserving individuals in the Section or in the community who are nominated by their peers in recognition of their service. **Here is your opportunity to nominate a co-worker, friend, or someone who you think deserves special recognition.** To submit a nomination, complete this form and return it to:

**BSCES Awards Committee, Boston Society of Civil Engineers Section/ASCE,
The Engineering Center, One Walnut Street, Boston, MA 02108-3616**

The Nominations Deadline is **Monday, May 15, 2017**. The Awards Committee will review all nominations and present a list of candidates for selection by the Board of Government at their May meeting. Awards will be presented at the 169th BSCES Annual Awards Dinner in the fall.

I would like to nominate _____

For the:

_____ **CITIZEN ENGINEER AWARD:** This award is presented to a BSCES member or registered professional engineer for outstanding public involvement in local or national legislation, education (at any level), non-profit volunteer organizations, community activities, or similar activities improving the image of ASCE, BSCES and the civil engineering profession.

_____ **LESTER GAYNOR AWARD:** This award is presented to a BSCES member or registered professional engineer for part-time elected or appointed service as a city or town official, whose reimbursement for this service has not been more than an honorarium.

_____ **GOVERNMENT CIVIL ENGINEER AWARD:** This award is presented to a BSCES member who is serving as a paid public sector engineer at a federal, state, or municipal agency, department, or authority in Massachusetts.

_____ **CLEMENS HERSCHEL AWARD:** This award recognizes those individuals who have published papers, not necessarily published in the BSCES Journal, that have been useful, commendable, and worthy of grateful acknowledgment. If nominating for the Clemens Herschel Award, please attach the name of the paper and names of all authors, if co-authored.

_____ **RALPH HORNE AWARD:** This award is presented to a BSCES member or registered professional engineer for unpaid public service in a municipal, state or federal-elected or appointed post for philanthropic activities in the public interest.

_____ **JOURNALISM AWARD:** This award is to be presented to a member of the media who reports on engineering topics, particularly civil engineering, in a manner that benefits the profession. The Public Awareness and Outreach Committee reviews these nominations and recommends the recipient to the Board.

_____ **PRE-COLLEGE EDUCATOR AWARD:** This award is to be presented to a member of the K-12 educational community who integrates engineering topics, particularly civil engineering, in a manner that benefits the profession and may promote students to pursue an engineering career. The Public Awareness and Outreach Committee reviews these nominations and recommends the recipient to the Board.

_____ **TECHNICAL GROUP AWARD:** This award is given for papers which have been presented at a Technical Group meeting or for papers that were submitted to a Technical Group for review and recommended for publication by its Executive Committee. Each paper should be original (i.e., not contributed or published elsewhere). This award is open to all BSCES members.

_____ **YOUNGER MEMBER AWARD:** This award is intended to recognize a member, 35 years of age or younger on February 1 in the year of the award, who has made an outstanding contribution to BSCES.

Name and Company Address of Nominee(s)*: _____

Is this a re-nomination? Yes _____ No _____

***Please attach a brief (no more than one page) explanation of the candidate's qualifications for nomination.**

Your Name: _____ Daytime Telephone: _____ Email: _____

NOTE: If you nominated someone last year who was not selected, you may re-nominate the individual(s).

QUESTIONS: Contact BSCES Awards Committee Chair Christopher Smith at 617/532-2223 or crsmith@hntb.com.

2017 Employer Recognition Awards

The Boston Society of Civil Engineers Section of the American Society of Civil Engineers Awards Committee invites you to nominate an organization to receive the Small Employer Recognition Award or the Large Employer Recognition Award. Please see the following awards description and page 2 of this form for nomination instructions. To be eligible to receive this award your award nomination must be received by the BSCES Awards Committee no later than Monday, May 15, 2017.

As a means of fostering participation in Society activities, the Boston Society of Civil Engineers Section/ASCE has established an award to recognize those employers who encourage their engineers to actively participate in ASCE and BSCES. Special recognition will go to those organizations who exhibit exemplary support as evidenced by:

- Providing a model for involvement through organization-wide participation in local, regional, and national ASCE and BSCES activities.
- Allowing engineers time off to attend ASCE and BSCES meetings and seminars.
- Being sponsors of ASCE and BSCES meetings/ seminars or being sponsors of the BSCES Newsletter.
- Supporting and encouraging technical and professional growth.
- Encouraging engineers to prepare articles for publication in the BSCES Newsletter or ASCE and BSCES professional and technical journals.
- Assisting in the payment of ASCE and BSCES dues.

Members who want their organization to be considered for recognition should fill out the attached nomination form which describes their organization's level of support to ASCE and BSCES. The awards committee will review the nominations and select an exemplary small employer and a large employer in the Section. Organizations with less than 50 employees are eligible for the Small Employer Award. Awards will be presented at the 169th BSCES Annual Awards Dinner in the fall. Successful recipients will be considered for endorsement as potential (future) applicants for the ASCE Employer Recognition Award. No organization will be eligible to receive the award in consecutive years.

NAME OF EMPLOYER: _____

2017 Employer Recognition Awards

Complete and return this nomination form and attachment to the BSCES Awards Committee no later than Monday, May 15, 2017 to be eligible for the award.

Nominator/Title:	<hr/>		
Address:	<hr/>		
Telephone:	<hr/>	Email:	<hr/>
Signature:	<hr/>	Date:	<hr/>
Employer:	<hr/>		
Contact Person:	<hr/>		
Title:	<hr/>		
Office Address:	<hr/>	Website:	<hr/>
Telephone:	<hr/>	Email:	<hr/>

Please answer the following questions:

How many employees do you have?	<hr/>		
How many are civil engineers?	<hr/>		
How many civil engineers are members of ASCE? BSCES?	<table border="1" style="width: 100%;"><tr><td><hr/></td><td><hr/></td></tr></table>	<hr/>	<hr/>
<hr/>	<hr/>		
How many times in the last year have you provided sponsorship of BSCES meetings/seminars or sponsorship of the BSCES Newsletter?	<hr/>		
Please attach a list of ASCE and BSCES Members in your organization.			

For those engineers who are ASCE and BSCES Members, please answer the following questions:

What percentage of ASCE and BSCES dues are paid by the employer?	<hr/>
Does the employer pay for subscriptions to ASCE and BSCES technical or professional journals?	<hr/>
On average, how many Technical/Professional seminars (one day or longer) does each of your engineers attend annually?	<hr/>
Does the employer allow time for members to attend ASCE and BSCES activities?	<hr/>
How many technical/professional articles were published by your engineers within the last two years?	<hr/>

How many of your engineers are active on an:

BSCES Board of Government	<hr/>
BSCES Technical Group or Committee	<hr/>
ASCE Regional (District) Council	<hr/>
ASCE National Committee	<hr/>

Please attach one 8.5 x 11 inch sheet (double sided) and describe any specific activities or policies which demonstrate your organization's support for involvement in ASCE and BSCES.

Please return this completed form and the additional page if needed no later than Monday, May 15, 2017 to: BSCES Awards Committee, Boston Society of Civil Engineers Section/ASCE, The Engineering Center, One Walnut Street, Boston, MA 02108-3616. For questions contact BSCES Awards Committee Chair Christopher Smith at 617/532-2223 or crsmith@hntb.com.

Thank you for your continued support of ASCE and BSCES.



Boston Society of Civil Engineers Section
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ENVIRONMENTAL &
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Tufts University

Weston & Sampson
Engineers, Inc.

2017 Karl R. Kennison Lecture Creating Resilient, Healthy Rivers: Dam Removal Projects in Massachusetts

Beth Lambert, *Aquatic Habitat Restoration Program Manager, MA
Division of Ecological Restoration*

Nick Nelson, *Regional Director & Fluvial Geomorphologist, Inter-Fluve*

Wednesday, May 17, 2017

CDM Smith Conference Room, 75 State Street, Suite 701, Boston, MA 02109

5:45 PM Social/Registration; 6:30 PM Dinner; 7:00 PM Presentation

Massachusetts has more than 300 dams, most of which were built in the 1800s to power mills. These aging dams have outlived their original purpose and are now deteriorating, threatening public safety and river health. Massachusetts, through regulatory efforts and community involvement has become one of the leading states in removing dams and restoring the health of the rivers in the state.

This session will cover a broad range of topics associated with dam removals to provide a better understanding of the history, costs and benefits, and design and construction details for the removal of dams. In the first half, Beth Lambert will discuss the evolution of dam removal in MA, the landscape of regulations and partnerships that make dam removal possible, and the primary technical and social challenges to dam removal. In the second half, Nick Nelson will cover some of the basics of the science, engineering, and construction that is involved in the projects. He will provide a review of fluvial geomorphic principals, summarize the data typically required to design the removal of a dam, and discuss some of the challenges with hydraulic modeling and sediment management and transport.

Registration Deadline: Friday, May 12, 2017

\$55 Members, \$70 Non-Members

\$45 Public Sector Members, \$55 Public Sector Non-Members

\$20 Senior Members (65+), \$20 Student Members

Information/Registration:

Register to attend this meeting and pay by credit card online at bit.ly/Kennison17. To register online for an event at the BSCES member rate you must login using your BSCES assigned username and password. If you do not know your BSCES member login information call 617/227-5551. You can also register for this event by mail or email. To do so, download and complete a [BSCES Event Registration Form](#) and follow the submission instructions. Cancellations received after May 12, 2017 and no-shows will be billed.



Boston Society of Civil Engineers Section
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TRANSPORTATION
& DEVELOPMENT
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Skanska Civil

Stantec

TranSystems

Tufts University

Weston & Sampson
Engineers, Inc.

2017 Bertram Berger Seminar Multimodal Transportation for Today's Modern Society

Keynote Speaker:

Anna M. Barry

Deputy Commissioner, Connecticut Department of Transportation

Wednesday, May 24, 2017

Omni Parker House, 60 School Street, Boston, MA

1:30 PM – 7:30 PM

1:30 PM Registration; 1:50 PM Opening Remarks; 2:00 PM Panel Discussion; 5:00 PM Social;
6:00 PM Dinner, Bertram Berger Tribute, Keynote Address, and Awards.

Join the Transportation & Development Institute Boston Chapter for the 2017 Bertram Berger Seminar. The annual event focuses on transportation related issues around New England with presentations from experts within our industry.

Panel 1: Advocacy for Multimodal Transportation Infrastructure

Moderator: **Luisa Paiewonsky**, *Director, Infrastructure Systems and Technology, U.S. DOT/Volpe Center*

Panelists: **Peter Furth**, *Civil Engineering Professor, Northeastern University*
Wendy Landman, *Executive Director, WalkBoston*
Gina Fiandaca, *Commissioner of the Boston Transportation Department*

Panel 2: Design Challenges to Accommodate Multimodal Transportation

Moderator: **Lisa Brothers**, *Chairman and Chief Executive Officer, Nitsch Engineering*

Panelists: **Andrew Paul**, *MassDOT Highway Design Engineer*
John McCormack, *Project Manager for Silver Line Transit, MBTA*
Wes Guckert, *President and Chief Executive Officer, The Traffic Group*

Registration Deadline: Friday, May 19, 2017

\$115 Members, \$145 Non-Members

\$100 Public Sector Members, \$115 Public Sector Non-Members

\$85 Senior Members, \$40 Student Members

\$575 Table of 5, \$1,150 Table of 10

\$500 Public Sector Table of 5, \$1000 Public Sector Table of 10

Information/Registration:

Register to attend this meeting and pay by credit card online at bit.ly/Berger17. To register online for an event at the BSCES member rate you must login using your BSCES assigned username and password. If you do not know your BSCES member login information call 617/227-5551. You can also register for this event by mail or email. To do so, download and complete a [BSCES Event Registration Form](#) and follow the submission instructions. Cancellations received after May 19, 2017 and no-shows will be billed.



This presentation provides 6 Professional Development Hours (PDH)

Supported by the staff of The Engineering Center Education Trust



Boston Society of Civil Engineers Section
American Society of Civil Engineers



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**BSCES
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Contractors, Inc.

Northeastern
University

Pare Corporation

Skanska Civil

Stantec

TranSystems

Tufts University

Weston & Sampson
Engineers, Inc.

Floodplain Management 101

Peter A. Richardson, PE, LEED AP, CFM, ENV SP
Executive Vice President, Green International Affiliates, Inc.

Joy Duperault, CFM
*Director, MA DCR Flood Hazard Management Program, State NFIP
Coordinator & Hazard Mitigation Officer*

Eric Carlson
*Assistant Director, MA DCR Flood Hazard Management Program and
Environmental Engineer*

John Grace, CFM
Coastal Engineer, FEMA Region I Mitigation (Invited)

Thursday, May 25, 2017

The Aldrich Center at TEC, One Walnut Street, Boston, MA
Registration and Lunch 12:00 PM; Course 1:00 PM - 5:00 PM

This 4-hour course will cover the basics of floodplain management relative to compliance with FEMA regulations under the National Flood Insurance Program (NFIP), 44 CFR60.3 and the Massachusetts Wetland Protection Act 310 CMR 10.00. This course is perfect for engineers who need to know the basics of how FEMA flood maps are prepared, the different types of flood zones shown on the maps and the design requirements for the different types of flood zones (coastal and riverine). Seating is limited, so please register early.

Registration Deadline: Friday, May 19, 2017

Registration Fees:

\$95 Members, \$130 Non-Members

\$80 Public Sector Members, \$95 Public Sector Non-Members

\$35 Student Members and Senior Members (65+)

Information/Registration:

Register to attend this meeting and pay by credit card online at bit.ly/FloodplainMgmt101. To register online for an event at the BSCES member rate you must login using your BSCES assigned username and password. If you do not know your BSCES member login information call 617/227-5551. You can also register for this event by mail or email. To do so, download and complete a [BSCES Event Registration Form](#) and follow the submission instructions. Cancellations received after May 19, 2017 and no-shows will be billed.



This presentation provides 4.0 Professional Development Hours (PDH)

Supported by the staff of The Engineering Center Education Trust



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2017 Joseph C. Lawler Lecture Greater Boston's Infrastructure Needs Thursday, June 15, 2017

Top of the Hub, Prudential Tower, 52nd Floor, 800 Boylston St, Boston, MA 02199
6:00 PM Social/Registration; 6:45 PM Meal; Presentation to Follow



Rick Dimino



Barry Bluestone

Rick Dimino

President and CEO, A Better City

Barry Bluestone

*Professor of Public Policy and Urban
Affairs, Northeastern University*

In the 2016 publication, *State of the Built Environment: Greater Boston's Infrastructure*, A Better City in Partnership with the Dukakis Center for Urban and Regional Policy teamed up to lay out the needs of the region's transportation, energy, water, sewer and waste management systems. In the report, the state of infrastructure in nearly 150 communities surrounding Boston were measured. Join us for this year's Joseph C. Lawler Lecture to hear what the team determined were the major infrastructure needs of greater Boston and to understand how regional leaders and stakeholders can use this information as they plan for projected population and economic growth leading up to 2030. The executive summary of the report can be found here: bit.ly/ABetterCity

Richard A. Dimino has served as the President and CEO of A Better City since 1995. Prior to leading A Better City, Mr. Dimino served the City of Boston as Commissioner of Transportation from 1985-1993. Barry Bluestone is the *Russell B. and Andrée B. Stearns Trustee Professor of Political Economy* in the School of Public Policy and Urban Affairs at Northeastern University in Boston, Massachusetts and served as the founding Director of the Dukakis Center for Urban and Regional Policy from 1999 to 2015.

Registration Deadline: Friday, June 9, 2017

\$100 Members, \$125 Non-Members

\$85 Public Sector Members, \$100 Public Sector Non-Members

\$35 Senior Members (65+) & Student Members

\$1,000 Table of 10 (Regardless of Membership)

Information/Registration:

Register to attend this meeting and pay by credit card online at bit.ly/Lawler17. To register online for an event at the BSCES member rate you must login using your BSCES assigned username and password. If you do not know your BSCES member login information call 617/227-5551. You can also register for this event by mail or email. To do so, download and complete a [BSCES Event Registration Form](#) and follow the submission instructions. Cancellations received after June 9, 2017 and no-shows will be billed.

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FHWA-NHI-130053

Bridge Inspection Refresher Training **Tuesday, June 27, 2017 – Thursday, June 29, 2017** **Hilton Garden Inn Worcester, 35 Major Taylor Boulevard, Worcester, MA** **Tuesday through Thursday, 8:00AM – 4:30PM**

The major goals of this course are to refresh the skills of practicing bridge inspectors in fundamental visual inspection techniques; review the background knowledge necessary to understand how bridges function; communicate issues of national significance relative to the nations' bridge infrastructures; re-establish proper condition and appraisal rating practices; and review the professional obligations of bridge inspectors. This course is based on the "Bridge Inspector's Reference Manual," 2002 (updated 2006), with reference to the AASHTO Manual as defined by the National Bridge Inspection Standards regulation.

Core course topics include inspector qualifications and duties, bridge mechanics, record keeping and documentation, fatigue and fracture in steel bridges, traffic safety features, safety, National Bridge Inventory (NBI) component ratings, superstructure type identification, inspection techniques and case studies for decks, superstructures, bearings, substructures, channels and culverts, and a mock bridge inspection classroom exercise. Optional topics include inspection of truss gusset plates, adjacent box beams, and post-tensioning tendons.

Registration Deadline: Monday, May 29, 2017

Registration Fees: \$1,400 Members, \$1,700 Non-Members

Registration fee includes course materials, continental breakfast, breaks, and lunch.

Information/Registration:

Attendance for this program is limited to 30 participants. Individuals who attempt to register after the course is closed will be added to a waiting list.

Reservations will be accepted on a first-come first-serve paid reservation basis. Payment must be received with registration to secure a slot. Register to attend this course and pay by credit card online at <http://bit.ly/BridgeRefresher6-17>. To register online for an event at the BSCES member rate you must login using your BSCES assigned username and password. If you do not know your login information call 617/227-5551. You can also register for this event by mail or email. To do so, download and complete a [BSCES Event Registration Form](#) and follow the submission instructions. Cancellations or no shows after May 29, 2017 will be billed.