



#2022EEA

## Engineering Excellence & Awards Gala

June 29, 2022 | Renaissance Boston Waterfront Hotel | Boston, MA

The ACEC/Massachusetts annual Engineering Excellence Awards (EEA) competition recognizes engineering firms for projects that demonstrate an exceptional degree of innovation, complexity, achievement, and value.

ACEC/MA is delighted to celebrate outstanding projects and recognize great people at our 2022 Awards Gala.

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## A Letter from our 2022 President



**Welcome to the  
ACEC/MA 2022  
Engineering Excellence  
& Awards Gala**

June 29, 2022

Each year we gather to celebrate and recognize engineering firms for projects that demonstrate innovation and excellence. Tonight culminates a process that began many months ago, from the initial call for entries last summer to the selection of finalists and Grand Conceptor by a distinguished panel of judges. This evening we recognize all the firms who took the time and investment to participate in the competition.

In addition, tonight's Gala also recognizes those who work tirelessly throughout the year to advance the goals and values of not only our organization, but also the industry. Therefore, we are excited to share with you the winners of the ACEC/MA Education Corporation scholarship and Young Professional Awards.

Again, welcome and thank you for joining us this evening and congratulations to all of the winners!

Sincerely,

**Scott Miller, PE**  
*2021-2022 ACEC/MA President*

## 2022 ACEC/MA Education Corporation President's Scholarship



### **Deidra Anderson**

Deidra Anderson is currently pursuing a Bachelor of Science in Civil Engineering at Worcester Polytechnic Institute. Deidra secured an internship in Jacobs structural engineering group upon graduating from high school. Over the past few summers, Deidra has had an opportunity to be part of an engineering team and see how her work provides a benefit to the client and the community. Her supervisor shared that Deidra has “great blend of energy and pleasantness mixed with a high level of ambition” which is demonstrated through her work, school and athletics. Her love of running has extended from serving as captain of her high school track and field teams to now being on the varsity teams at WPI. Also at WPI, Deidra is serving as President for a new Society of American Military Engineers student chapter.



### **Samantha Hemphill**

Samantha Hemphill is pursuing a Bachelor of Science in Civil Engineering with a Minor in Mathematics at Northeastern University. On campus she is active in Engineers Without Borders and served as group lead for the Uganda Program for the past two years. During a Program Management and Construction Management internship at Jacobs, Samantha was involved in a wide range of projects involving facility demolition, construction, renovation, and expansion. She had an opportunity to work alongside and learn from electrical, environmental, energy, mechanical, civil, fire protection, industrial and marine/coastal engineers. In her essay, Amanda noted how this experience helped her recognize that “it is the amalgamation of creativity and expertise that make an engineer an asset to the project team.” Her supervisor praised her exceptional proactiveness, ability to complete assignments on time, and communication skills. These qualities will serve Samatha well in her engineering career.



## 2022 ACEC/MA Education Corporation President's Scholarship



### Anna LeClair

Anna LeClair is pursuing her Bachelor of Science in Environmental Engineering at Northeastern University. With an anticipated May 2023 graduation date, Anna has made the most of her college experience by being involved in many organizations and activities. She is active in the student chapters of NEWEA, ASCE and Chi Epsilon, as well as Engineers Without Borders. Anna also finds time for athletics and music through participation in the Hus-Skiers and Outing Club, Running Club, Wind Ensemble and Pep Band. In her essay, Anna discussed how her coursework and intern experience at Environmental Partners has shown her how the world of engineering is a “symbiotic business model” that “generates lasting rewards for the client, community, and consulting engineer.” It is this type of thinking matched with her co-op supervisor’s praise of her “attitude, intellect, and work ethic” that will help Anna succeed as an engineer.



### Matthew Sylvia

Matthew Sylvia is pursuing a Master of Science in Project Management at Lasell University while working as a Civil Engineer at WSP. Since graduating from Wentworth Institute of Technology, Matt’s work has focused on projects involving private land development, MBTA, MassDOT and the City of Boston. In addition to preparing project design plans, permits and reports, he was also part of a team that revitalized a summer internship program for interns across all business lines in New England. Matt’s supervisor noted he has “continuously advanced his technical skills while quickly gaining project development, project management, and other business knowledge.” Matt has a well-rounded skill set, holds his EIT, CMIT, and Envision Sustainability Professional credentials, and is passionate about staying current and applying industry best practices to each of his projects.

## 2022 Young Professional Award Winners



**Julie Eaton Ernst**

**Lead Resiliency Engineer**

**Weston & Sampson**

Julie Eaton Ernst is a Professional Engineer working at Weston and Sampson. She began and continues to lead their corporate strategic initiative on climate resiliency. She established this service at Weston and Sampson and coined the phrase “Weston & Sampson: designers of resilient infrastructure.” Julie is very involved and active in several professional organizations such as: Environmental Business Council of New England (EBCNE), American Society of Landscape Architects (ASLA), New England Parks & Recreation Association, American Planning Association, Consulting Planners of Massachusetts. ACEC. Climate Adaptation Forum, Infrastructure & Climate Network (CNet), MassECAN, and ASCE/BSCES. Julie has volunteered as keynote speaker on Introduce a Girl to Engineering Day as well as participated in several other events. She also has published several articles on Resiliency.

## 2020 Young Professional Award Winners



**Betsy Kirtland**  
**Structural Engineer**  
**Stantec**

Betsy Kirtland graduated from Tufts University with a Bachelor of Science in Civil Engineering in 2016 and obtained her Master of Engineering in Structural Engineering in 2017. She began working as a Structural Engineer for Stantec in the summer of 2017. Betsy has progressed from entry level Structural Engineer to Project Manager at Stantec. She received her professional engineering license in 2021. Some notable projects that she has worked on are the following: Logan Airport Project and Gloucester Drawbridge. Betsy in her spare time outside of her everyday challenging work schedule finds time to be a part time lecturer in the Department of Civil Engineering at Tufts University, Chair of the Construction Institute in BSCES, and a volunteer Counselor at the Fleur de Lis Circle weeklong camp for girls aged 8-15 who have lost a parent.

# 2022 EEA Award Winning Lead Engineering Firms

## Bronze Award



Arup  
BETA Group, Inc.  
CDM Smith Inc.  
CMA Engineers, Inc.  
Environmental Partners Group, LLC  
Fitzemeyer & Tocci Associates, Inc.  
Greenman-Pedersen, Inc.  
Haley Ward, Inc.  
Jacobs Engineering Inc.  
Kleinfelder  
McMahon Associates  
Nitsch Engineering, Inc.  
Simpson Gumpertz & Heger  
SLR International Corporation  
Stantec  
Thornton Tomasetti, Inc.  
Tighe & Bond, Inc., Interfluve  
VHB  
Wright-Pierce

## Silver Award



AECOM  
Alfred Benesch & Company  
Arup US, Inc.  
BSC Group, Inc.  
Coastal Engineering Company, Inc.  
Environmental Partners Group, LLC  
VHB  
Weston & Sampson

## Finalist



HDR  
Howard Stein Hudson  
Kleinfelder  
Stantec  
Thornton Tomasetti, Inc.



## 2022 EEA Bronze Award Winner

### Martha's Vineyard Transit Authority Bus Electrification Edgartown, MA Arup

Arup is helping the Vineyard Transit Authority to realize the goals of its Electric Drives the Future initiative, involving the transition of its entire fleet to all electric vehicles. Pioneering a decarbonizing model for transit, the combined system supports a more reliable and environmentally responsible public transportation network for Martha's Vineyard. The microgrid establishes a resilient independent energy source while significantly reducing carbon emissions. The all-electric bus fleet will eliminate 36,000 tons of carbon dioxide over ten years of driving 1.4 million miles annually and will be powered largely by solar energy.





## 2022 EEA Bronze Award Winner

### **Cochituate Rail Trail**

Natick and Framingham, MA

BETA Group, Inc.

The Town of Natick and MassDOT recognize that multi-use paths offer a great opportunity for an alternative means to connect people to destinations, services, and each other, while also promoting recreation and healthy lifestyles. The CRT corridor is a unique opportunity to construct a public multi-use facility that also enhances economic development, the regional transportation network, and regional recreation. The resulting improvements extend the region's network of bike and pedestrian amenities and promote mode split. The CRT is consistent with MassDOT's Healthy Transportation Policy achieving transportation equity, improving safety and reliability, and significantly increasing opportunities for walking and biking.







## 2022 EEA Bronze Award Winner

### John F. Kennedy Memorial Highway Phase 2

New Bedford, MA

CDM Smith Inc.

The vision for New Bedford encompasses a robust mixed-use area and a thriving waterfront that adds significant economic value, while fostering future private investment in a key New England region. The \$9.2 million JFK Memorial Highway Phase 2 project demonstrates the long-term value of mobility improvements and the critical role they play in the city's overall revitalization and economic vitality. In keeping with the historical context of the city, this sustainable, 1-mile boulevard style multimodal arterial achieves the city's goals and improves user accessibility to the waterfront, enhances safety and traffic flow, and promotes walking and livability.





## 2022 EEA Bronze Award Winner

### Cambridge Turnpike Improvement Project

Concord, MA

CMA Engineers, Inc.

Concord's Cambridge Turnpike extends 6,800 feet as an essential gateway to this richly historic community. The roadway includes residential neighborhoods and is an important commuter corridor. The roadway has two significant marsh crossings of Mill Brook. These crossings are underlain by deep peat layers, which for decades caused significant settlement and chronic, severe, and dangerous roadway flooding. The project incorporated unique application of deep ground geotechnical improvements to support raising the roadway including bridges and culverts, mitigating flooding while limiting wetlands impacts. This was combined with a context sensitive design of a multi-modal corridor in the significant historic setting.







## 2022 EEA Bronze Award Winner

### **Newtonville Center's Complete Streets: The Intersection of Placemaking & Community Safety**

Newton, MA

Environmental Partners Group, LLC

Environmental Partners' Newtonville Center Placemaking project transformed one of Newton's village centers into a more welcoming experience for shoppers, diners, pedestrians, and cyclists. Strategically designing a corridor intended to enhance the beauty of Newtonville Center and safety for all modes of transportation, the project has helped to revitalize the area and encourage a healthier and more sustainable future for Newton residents and visitors.





## 2022 EEA Bronze Award Winner

### Shawmut Corporation - Nonwoven Meltblown PPE Production Facility

West Bridgewater, MA

Fitzemeyer & Tocci Associates, Inc.

Fitzemeyer & Tocci provided MEP/FP engineering and construction administration for the fast-paced design and construction of Shawmut Corporation's new Nonwoven Meltblown PPE Production Facility. In the early days of the COVID-19 Pandemic, PPE was in high demand but short supply, increasing the complexity of this project not only in the design but also in the speed to market. In partnership with Linea 5, Inc. and A/Z Corporation, this exciting project went from concept to production in just six months. The state-of-the-art expanded manufacturing facility based in West Bridgewater, Massachusetts, enables end-to-end production of up to 180 million masks per year.





## 2022 EEA Bronze Award Winner

### The Reconstruction of Route 140

Princeton, MA

Greenman-Pedersen, Inc.

The Reconstruction of Route 140 was a complex project with several challenges that required some unique solutions. It also required many involved with the project to consider other factors when weighing alternatives or applying minimum standards to a design. The adage “no one size fits all” best describes this project. A standard arterial section could have been forced through the East Princeton Village or a typical tee intersection implemented at Route 140 and Route 31, but the town trusted GPI to provide a design that would meet their goals, and their trust was rewarded.







## 2022 EEA Bronze Award Winner

### Village Street Water Tank Decomission

Marblehead, MA

Haley Ward, Inc.

100 years ago, predecessor firm Barbour-Dixon, designed the Village Street Water Tank (Village Tank) for the residents of Marblehead. Fast forward to 2020 the riveted steel tank was at the end of its useful life after successfully providing Marblehead residents with drinking water for decades. Through this master planning and agency coordination process, Haley Ward helped the Town of Marblehead to avoid the replacement cost of an elevated water storage tank. A fraction of the planned capital funds was redirected to pumping system redundancy improvements. Long term maintenance costs were avoided, and the system water age was reduced.





## 2022 EEA Bronze Award Winner

**Harvard Quincy DeWolfe Multimodal Corridor Project**  
Cambridge, MA  
Jacobs

Since its completion in December 2020, the new bike infrastructure has successfully expanded the City of Cambridge's bicycle facility network with a new north-south corridor for cyclists, improved bike facilities along Quincy, Bow, and DeWolfe Streets to accommodate two-way bike circulation, new traffic calming measures along the corridor, and improved adjacent street surfaces. This project sets a new standard in public-private partnership, advancing women in our engineering and construction industry, and ensuring safe and enhanced mobility for all modes of travel.





## 2022 EEA Bronze Award Winner

**Resilient Cambridge**  
Cambridge, MA  
Kleinfelder

Resilient Cambridge is the City's plan, to prepare the City for the impacts of climate change, building resiliency while enhancing the City and its citizens' quality of life. The plan was developed with Kleinfelder, the City's lead resiliency consultant, and utilizes the latest data and science to assess impacts due to changes in extreme heat, rainfall, sea level rise, and storm surge. Resilient Cambridge details resiliency strategies under four categories (Closer Neighborhoods, Better Buildings, Stronger Infrastructure, and Greener City) and establishes a roadmap for implementation of prioritized resiliency strategies over the next ten years.







## 2022 EEA Bronze Award Winner

### Ferry Street Redevelopment

Easthampton, MA

McMahon Associates

For decades, the mills on Ferry Street in Easthampton, MA produced world-renowned textiles. When the mills closed in the 1960s, it left behind an abandoned site that remained empty until 2021. When private developers created a new vision for the site, the City of Easthampton engaged McMahon Associates to use a \$3.5 million MassWorks grant for vast roadway, intersection and streetscape enhancements, along with pedestrian improvements to connect to the Manhan Rail Trail. The successful completion of this project created a revitalized section of the City, with modern transportation and pedestrian designs that promote safe travel and recreation.





## 2022 EEA Bronze Award Winner

### Weston Town Center Improvements

Weston, MA

Nitsch Engineering, Inc.

Nitsch Engineering provided engineering design and land surveying services to revitalize the Weston Town Center into a community hub, building upon Arthur Shurcliff's vision from over 100 years ago. The project established a sense of place by relocating overhead utilities underground, improving pedestrian accessibility and safety, and creating new open spaces and amenities. The Town's decision to underground utilities improves the aesthetics of the Town Center, improves resilience by minimizing outages, and reduces the risk of accidents caused by downed power lines. This major transition to the historic Weston Town Center serves as an example to other aspiring urban communities.







## 2022 EEA Bronze Award Winner

### Charlestown Bus Facility Shoreline Stabilization and Yard Improvements

Charlestown, MA

Simpson Gumpertz & Heger

The Charlestown Bus Facility is the MBTA's largest bus garage and critical to daily transportation service. The steel sheet pile seawall, which protected the facility from flooding and river erosion, was severely deteriorated, allowing for settlement behind the wall that threatened the facility's operations. By designing an embankment, the team created a more natural and resilient sea barrier, while also providing a new multiuse path for the community and the better protection for the MBTA facility.





## 2022 EEA Bronze Award Winner

### Route 7 (Cold Spring Road) Culvert Replacement

Williamstown, MA

SLR International Corporation

This culvert replacement project is worthy of special recognition as it is one of the first in the Commonwealth to be designed to specifically match its unique stream channel setting. The project eliminated a chronic maintenance need for the Highway District, and was designed and built in a short period of time to allow use of supplemental funding offered to MassDOT for project implementation. The design approach is a product of the Massachusetts Rivers & Roads Training to reduce risks and river-road conflict zones through the application of river science to transportation engineering.





## 2022 EEA Bronze Award Winner

**Rehabilitation of Runway 05-23, Westover Air Reserve Base**  
Chicopee, MA  
Stantec

Stantec provided full design services to address the repair of Runway 05/23 and Runway 05/23 Overruns at Westover Air Reserve Base, located in Chicopee, Massachusetts. The project includes the \$5.6M repair of the 05 and 23 overruns and approach lighting system, and the \$21.5M repair of the 05/23 Runway. Despite the aggressive schedule, the project was delivered on time, within budget, and to high standard while meeting the owner's and end user's conditions of satisfaction.







## 2022 EEA Bronze Award Winner

### Harvard University, District Energy Facility

Allston, MA

Thornton Tomasetti, Inc.

Harvard's new District Energy Facility (DEF) provides the future capability to transition its campus to a fossil-fuel-free future, withstands climate impacts including storm surge flooding, and provides a reliable, resilient source of heating, cooling and electricity to all the buildings on the new research campus. The facility generates fuel flexibly, with 5.2 megawatts of power via dual-fuel (natural gas/fuel oil) engines, hot water boilers, electric centrifugal chillers and an electric switching station.





## 2022 EEA Bronze Award Winner

### Coonamesett River Restoration and John Parker Road Bridge

Falmouth, MA

Tighe & Bond, Inc., Interfluve

The Coonamesett River Restoration and John Parker Road Bridge established a thriving, self-sustaining river and wetland ecosystem that supports aquatic organisms and wildlife while increasing coastal resiliency. The restoration allows fish to pass freely along the river and seeds from wetland plants that had been buried for 300 years under mill ponds and cranberry bogs to spring to life. The economical and sustainable design of the John Parker Road Bridge ensures a reliable structure and a connection to the area's walking paths. This project has increased educational opportunities for the public to learn about the important impact of ecological restoration.





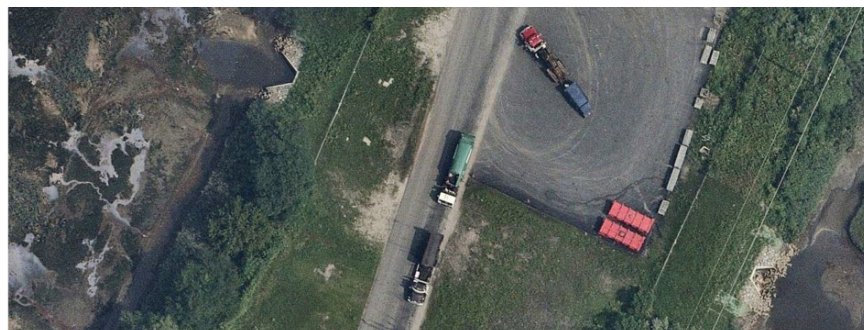
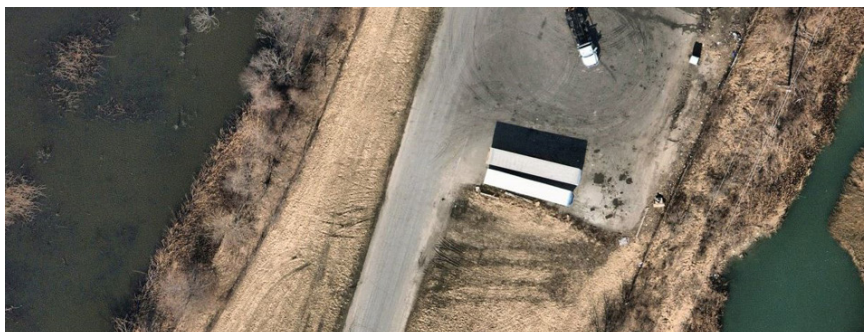
## 2022 EEA Bronze Award Winner

### Crescent Marsh Restoration Project

Saugus, MA

VHB

Part of a state-designated Area of Critical Environmental Concern, Crescent Marsh in Saugus constitutes an important natural resource. The marsh's fragile 23-acre ecosystem declined when an undersized culvert connecting it to an estuary failed. With the culvert located under an access road that crossed a capped municipal landfill, VHB's project team had to determine a safe solution for its replacement that minimized the impact to the business operations of the company that owned the road. Successfully installed, the 6-foot concrete box replacement culvert now supplies adequate tidal flow and stormwater drainage for the eventual restoration of this critical habitat.







## 2022 EEA Bronze Award Winner

### Utilities Master Plan

Gloucester, MA

Wright-Pierce

Wright-Pierce developed a holistic 20-year utility master plan to include GIS mapping; prioritization of wastewater and stormwater assets based on criticality; sewer system, pump station, and force main assessments; and presentation of results in a GIS format.

The results of the master plan included inspections of catch basins, manholes, pipes, and outfalls with condition assessments which led to recommendations for future investigations via a Capital Improvement Implementation Plan focused on meeting the City's Level of Service goals. The plan was presented in GIS and incorporated into the City's GIS data to be utilized for implementing/updating year to year.





## 2022 EEA Bronze Award Winner

### WWTF Secondary Systems Upgrade

Fitchburg, MA

Wright-Pierce

This \$25 million project included extensive upgrades to the aeration tanks including new 3-zone anoxic/anaerobic selectors with hyperbolic mixers, concrete re-surfacing and coating, and fine bubble diffuser system replacement. The WWTF's hydraulic grade was increased to allow gravity flow through a future tertiary solids removal process for phosphorus removal. The secondary clarifiers were upgraded with new mechanisms and extensive concrete resurfacing and coating as well as raising the level for the second stage. Secondary system pump galleries and the primary gallery were renovated with new pumps, HVAC, and electrical components. Higher flow capacity and lower chemical usage were successfully achieved.







## 2022 EEA Silver Award Winner

### **Peirce Island WWTF Upgrade Project**

Portsmouth, NH

AECOM

The Peirce Island WWTF Upgrade project has and will continue to contribute to the well-being of the people of Portsmouth and the entire Great Bay Estuary. It has transformed the facility into a modern WWTF that meets limit-of-technology effluent nitrogen limits in a constrained footprint with minimal disruption to a thickly-populated downtown community. The project incorporates numerous sustainable features, has met all Consent Decree milestones, and achieved client and community satisfaction. Peirce Island underscores the value of extensive public education and outreach to encourage buy-in and understanding of a project that supports a better, healthier future.





## 2022 EEA Silver Award Winner

### Revitalization of Route 147 with Complete Streets Implementation & Bridge Replacement

Agawam, MA & West Springfield, MA

Alfred Benesch & Company

Springfield Street/Memorial Avenue (Route 147) is an urban principal arterial within Agawam and West Springfield, Massachusetts. Alfred Benesch & Company was selected by MassDOT to implement bicycle and pedestrian improvements to promote safe and efficient movements of all modes of transportation. Upgrades included signal optimization and lane reconfigurations; installation of medians and channelizing islands for traffic calming; implementing a two-way bicycle path with crossings, two-stage queue boxes and bicycle signals at intersections; installing two ADA compliant sidewalks to promote accessibility; and replacing the Memorial Avenue bridge to accommodate the width for the various complete streets features.





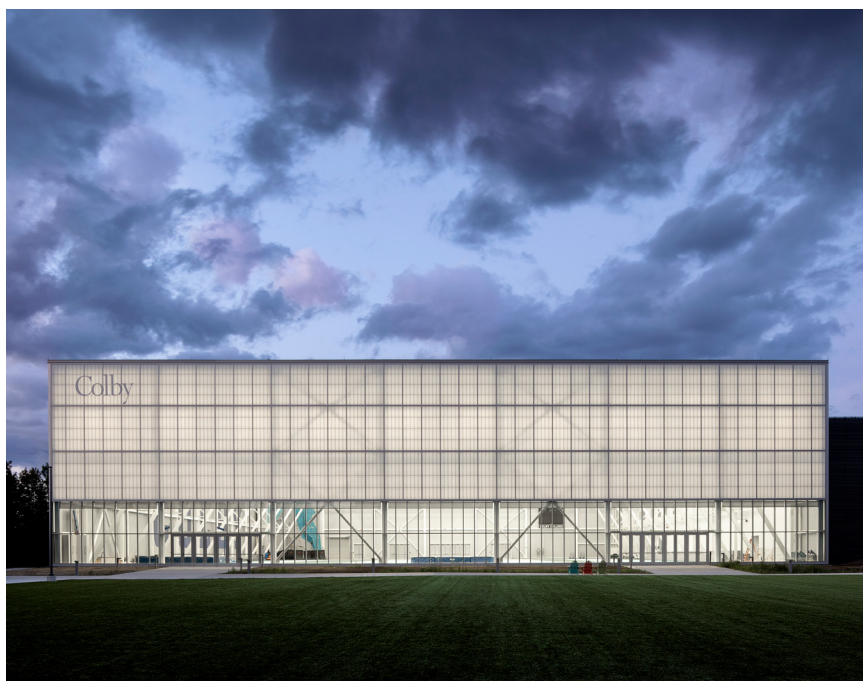
## 2022 EEA Silver Award Winner

### Colby College Athletic Complex

Waterville, ME

Arup

Arup provided a suite of engineering and consulting services to Colby College to help design the most advanced and comprehensive NCAA D-III facility in the country. The 350,000<sup>ft</sup><sup>2</sup> Harold Alfond Athletics and Recreation Center consists of an athletic training facility, a track and field house, a year-round ice facility, an aquatic center, and recreational activity centers. Arup's parametric modeling and engineering solutions resulted in a target energy reduction of 47% below modern code baseline, including a reduction in embodied carbon of 800 tons. The complex serves as a gateway to the campus for both Colby students and the Waterville community.







## 2022 EEA Silver Award Winner

### Cambridge Discovery Park - Final Phase

Cambridge, MA

BSC Group, Inc.

The Cambridge Discovery Park project is worthy of special recognition because of its careful consideration of many multifaceted competing priorities: ecological functionality, storm resilience, regulatory compliance, and the need for open space. The innovation and complexity involved, using both natural and engineered solutions, enhances the environment within the park and throughout the surrounding community. The expertise of all project team members transformed the former Arthur D. Little campus into a world class office and research campus for the life sciences community with five new LEED-certified buildings and first-class amenities that protects environmentally sensitive areas and responds to climate change challenges.





## 2022 EEA Silver Award Winner

### Bradford Street Access Project

Provincetown, MA

Coastal Engineering Company, Inc.

Engineered to create a prominent gateway to the grounds of the historic Pilgrim Monument and Provincetown Museum site, the Bradford Street Access project provides barrier free access and a direct connection between the town center and the monument grounds for all to enjoy. The center piece of the project is a state of the art “inclined elevator” that was custom built for the site and designed to carry passengers from street level to the top of the hill, where visitors can enjoy sweeping views of Provincetown Harbor while visiting the historic site and its impressive 252 ft tall monument.





## 2022 EEA Silver Award Winner

### Restored Resilience: Replacement of Coastal Cedar Point's Vulnerable Sewer System

Scituate, MA

Environmental Partners Group, LLC

Cedar Point is a small and beautiful seacoast neighborhood of Scituate, attracting tourists to its lighthouse, and residents who wish to enjoy beaches year-round. Sadly, the peninsula has also been plagued by climate change related sewer issues. Environmental Partners (EP) took an innovative and painstaking approach to solving these issues, designing, sourcing, and overseeing construction of a water-tight gravity sewer system. This method required extreme and often unheard of precision at every phase and has successfully fulfilled the needs of the Cedar Point community.







## 2022 EEA Silver Award Winner

### Harvard Allston Enabling Infrastructure Project Allston, MA VHB

All roads lead to the future of sustainability for Harvard's SEC and the Allston campus community. VHB's multimodal, green infrastructure design and multilevel coordination with client, consultant, and neighborhood stakeholders resulted sustainable environment that encourages inclusive, accessible, and equitable transportation alternatives. This forward-thinking, resilient campus infrastructure will reduce commuter carbon footprint and alleviate some of the impacts of climate change—all while reclaiming the old to make way for our bright, bold, and sustainability green future.





## 2022 EEA Silver Award Winner

### Robert Street Bridge Replacement

Roslindale, MA

VHB

VHB partnered with the MBTA to replace the Robert Street Bridge, built in 1898 and used well beyond its intended life. Carrying the MBTA's Needham line, the bridge is in a busy neighborhood and adjacent to Roslindale Village Station. The project helped to spark interest in the engineering field with local youth. VHB's creative design solution used Accelerated Bridge Construction (ABC) techniques to minimize shut downs of the track and road below, and used micropiles to support the new bridge without impact to the adjacent station platform. The forward-thinking foundation design accommodates the possibility of a future second bridge.







## 2022 EEA Silver Award Winner

### Route 44 Over Route 24 Bridge Replacement Raynham, MA VHB

The bridge carrying Route 44 over Route 24 in Raynham, MA, originally constructed in 1950, had reached the end of its useful life and exhibited structural deficiencies. MassDOT awarded a Design-Build contract to the VHB/SPS team for final design and construction of the replacement bridge. The existing four-span bridge was replaced with a two-span, 166-foot-long bridge with added bicycle lanes and widened sidewalks. With a need to minimize disruption to the traveling public and the adjacent communities, VHB and SPS developed an innovative construction approach including a bridge lateral slide, shortening the bridge reconstruction schedule by an entire year.





## 2022 EEA Silver Award Winner

### Langone Park & Puopolo Playground

Boston, MA

Weston & Sampson

First to incorporate Boston's climate resiliency construction standards, the reconstruction of Langone Park and Puopolo Playground will help protect the park and its harbor edge, the neighborhood, and other public and private assets from projected sea level rise and more frequent storm events. An innovative design provides a resilient 4.5-acre signature waterfront park with an elevated Harborwalk, new secondary seawall, and park features constructed at higher elevations. The redesigned space, located within Boston's historic and high-density North End, provides critical, equitable passive and active recreational opportunities for a diverse, multi-generational population along with expansive harbor views and access.





## 2022 EEA Finalist Award Winner

**North End Pedestrian Path under the Connecticut River Line**  
Springfield, MA  
HDR

The new North End Pedestrian Pass Under the Connecticut River Line project provides a safe and direct connection beneath a busy railroad line between two established Springfield North End neighborhoods where none previously existed, resulting in much-needed access to important goods and services and community resources.

Components of the project's design were guided by more than a dozen community meetings that led to security features as well as artistic components including lighted, perforated metal panels throughout the underpass that honor North End leaders and serve as a reflection of the diverse community.







## 2022 EEA Finalist Award Winner

### Columbus Avenue Center Running Bus Lanes

Boston, MA

Howard Stein Hudson

Howard Stein Hudson (HSH) partnered with the Massachusetts Bay Transportation Authority and the City of Boston to design New England's first center-running bus lanes to invest in transit equity, improve bus travel times and reliability, increase passenger safety, and provide ADA-compliant features. These center-running bus lanes eliminate conflicts with automobile traffic in the area, and benefit bus riders, pedestrians, and the neighborhood as a whole. The \$8M project was designed, permitted, and constructed in less than 24 months, during the pandemic. These upgrades result less crowding on the buses and faster, more reliable trips a post COVID-19 world.







## 2022 EEA Finalist Award Winner

### **The Port Flooding Resiliency Project: Parking Lot No. 6 Stormwater Tank** Cambridge, MA Kleinfelder

The City of Cambridge's Port neighborhood has experienced significant flooding and sewer backups exacerbated by climate change. The Port Flooding Resiliency Project: Parking Lot No. 6 Stormwater Tank mitigates flooding by capturing stormwater and redirecting the flow from an overburdened Massachusetts Water Resource Authority combined sewer system to the Charles River. New stormwater infrastructure was successfully installed by microtunneling six feet beneath the active MBTA Red Line subway. The tank was operational in May 2021 and captured 3.5 million gallons of stormwater during the Boston area's 3rd wettest summer on record, providing increased flood protection for this Environmental Justice community.





## 2022 EEA Finalist Award Winner

### L1332-C3 Terminal B Entrance Roadways

Boston, MA

Stantec

The “Terminal B Roadways Contract” at Logan International Airport involved the reconstruction of the Terminal B entrance roadways at both the Departures and Arrivals levels while safely maintaining continuous Airport operations. The Design Team relied on Lean design and construction processes and BIM technology for innovative and complex design development and construction across multiple disciplines with strict constraints. The \$35M C3 contract was designed in just eleven months and constructed in sixteen. Despite the Pandemic, the project was delivered \$1.1M under budget, ahead of schedule, and to high standard while meeting the owner’s and end user’s conditions of satisfaction.





## 2022 EEA Finalist Award Winner

### **Boston Children's Hospital, Excavation Support and Construction Podium**

Boston, MA

Thornton Tomasetti, Inc.

Boston Children's Hospital is a highly rated hospital that serves patients from around the world. The new Hale Family Clinical Building is the centerpiece of an expansion plan to ease crowding in the current facilities. This 11-story and 4-level basement structure is located in the Longwood medical area in Boston—one of the most congested and sensitive area of Boston. Thornton Tomasetti provided engineering services to enable below-grade construction on this highly challenging site, including a support of excavation (SOE) system design utilizing slurry wall for the 75-foot-deep excavation and a 75-foot- by 145-foot-wide construction podium over the excavation site.



## ACEC/MA 2022 Judges

**Dr. Michael Knodler Jr.**

Professor,  
University of Massachusetts  
Amherst

**Jean Vatelina**

Senior Project Manager,  
D/R/E/A/M Collaborative

**Joe Barbone**

President,  
Methuen Construction

**Colleen Cimini**

Senior Vice President,  
PR First

**Jeremy Marsette, PE**

Director of Public Works,  
Town of Natick



## ACEC/MA EEA Committee

**James T. Barnack, PE**  
HNTB Corporation

**Michaela L. Bogosh, PE**  
CDM Smith

**Britt-Anya Bursell**  
Tighe & Bond, Inc.

**Deborah M. Danik, PE**  
Nitsch Engineering, Inc.

**Jennifer Ducey, PE**  
Stantec

**Abbie R. Goodman**  
ACEC/MA, The Engineering  
Center Education Trust

**Kurt Jelinek, PE**  
Nobis Group

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Greenman- Pedersen, Inc.

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**Kristine Wickham, PE**  
VHB

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## Leadership Education Committee

### Leadership Education

ACEC/MA offers several high quality courses for engineers, land surveyors, architects and other design professionals to develop their expertise in the business side of our field through our Leadership Education Committee. The individual courses are geared to different experience levels and often are presented by nationally recognized instructors in a local venue or on Zoom, allowing participants to stay engaged in their workload while building skills.

More on ACEC/MA Leadership Education Programs here:

<https://www.acecma.org/about/news/acec-ma-leadership-education-programs-4345>

### Odyssey

Leadership skills are honed in an extended program that helps key firm members understand the values and interpersonal responses of themselves and others. Participants with 10 or more years of experience learn how to better communicate with and motivate those we work with, in both our day to day operations and in conflict.

- **Eight monthly full day sessions beginning in late September**
- **One Individual Session in November**
- **Class size: 24**

Registration Now Open for Odyssey:

<https://www.acecma.org/events/acec-ma-2022-23-odyssey-program-4337>



## ACEC/MA Education Corporation Golf Tournament

# ACEC *Massachusetts* Education Corporation

**Monday, September 12, 2022**  
**Marshfield Country Club, Marshfield, MA**

<http://bit.ly/ACECMA-EC-Golf2022>

Proceeds benefit the ACEC/MA Education Corporation Presidents'  
Scholarship Fund



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For more information, contact Lydia Zabrycki  
at [Lydia.Zabrycki@acecrteducation.com](mailto:Lydia.Zabrycki@acecrteducation.com)  
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