



NEW JERSEY SOCIETY OF
PROFESSIONAL ENGINEERS

Installation and Awards Reception

June 27, 2024



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**Congratulations
to Janella Guillermo,
NJSPE Outstanding
Professional Engineer!**



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NEW JERSEY SOCIETY OF
PROFESSIONAL ENGINEERS

INSTALLATION AND AWARDS RECEPTION

WELCOME

Tejal Patel, P.E., NJSPE Past President

Patrick Stewart, NJSPE Executive Director

KEYNOTE SPEAKERS

Francis K. O'Connor

Acting Commissioner, New Jersey Department of Transportation

INDUCTION OF 2024 - 2025 OFFICERS

President **Carolyn Feigin, P.E., P.P.**

President Elect **Erica Vigliorolo, P.E.**

Vice President **Gregory Stolowski, P.E.**

Treasurer **Darren Ferlazzo, P.E.**

Secretary **Christopher Iacono, P.E.**

NJSPE Director At Large **Brian Van Nortwick, P.E.**

NSPE Delegate **Isaac Forero, P.E.**

Immediate Past President **Jeffrey Laux, P.E.**

REMARKS BY INCOMING PRESIDENT

Carolyn Feigin, P.E., P.P.

PRESENTATION OF AWARDS

Distinguished Engineering Service Award

Steven A. Tardy, PE

French & Parrello Associates

Outstanding Professional Engineer Award

Janella Guillermo, P.E.

TPD

Outstanding Young Professional Engineer Award

Joseph P. Letinski, P.E.

Van Cleef Engineering Associates, LLC

Outstanding Public Service P.E. Award

John A. Wiggins, P.E., F. ASCE

Township of Irvington

Gene O'Brien Lifetime Achievement Award

Mark V. Shourds, P.E., P.P., F-NSPE

Shourds Consulting, PC

Outstanding Public Project Award

Sharon Station Road Corridor Improvements

Van Cleef Engineering Associates, LLC

Exemplary Public Project Award

Replacement of Nacote Creek Bridge

Michael Baker International

Honorable Public Project Award

Route 3, Bridge over Northern Secondary and Ramp A

Michael Baker International

Meritorious Public Project

Roadway Improvements to Witherspoon Street

T&M Associates

Meritorious Public Project

Central Avenue Streetscape Improvements

French & Parrello Associates

SCHOLARSHIP AWARD RECIPIENTS

Anna Sasse

Rowan University

Gulmina Imran

New Jersey Institute of Technology

Hailey Achille

Stevens Institute of Technology

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NSPE-NJ



ENGINEERS' CREED

As a Professional Engineer,
I dedicate my professional knowledge
to the advancement and betterment of
human welfare. I pledge to give the
utmost of performance; to participate
in none but honest enterprise; to live
and work according to the laws of man
and the highest standards of
professional conduct; to place service
before profit, the honor and standing
of my profession before personal
advantage, and the public welfare
above all other considerations. I pledge
to uphold the Bylaws of the National
Society of Professional Engineers and
the New Jersey of Professional
Engineers. In humility and with the
need for divine guidance, I make this
pledge.



***Congratulations Carolyn Feigin, PE,
PP on being inducted NJSPE's
President for 2024-2025 term. ARH is
thrilled to have you leading the way
and as an advocate for Professional
Engineers across NJ!***



Hammonton - Tinton Falls - arh-us.com

KEYNOTE SPEAKER

Francis K. O'Connor

Acting Commissioner, New Jersey Department of Transportation



Francis (Fran) O'Connor was nominated to serve as Commissioner of the New Jersey Department of Transportation by Governor Murphy in January 2024. He currently is awaiting New Jersey Senate approval and is serving as Acting Commissioner.

Fran returns to New Jersey State service with over 40 years of public and private sector transportation experience. He began his public service career at the New Jersey Turnpike Authority as a toll collector and rose to be the Deputy Director of the NJTA's Electronic Toll Collection Program. In that role he launched the

Authority's first electronic toll collection installation.

While in the private sector, Fran advised transportation agencies across the country on the development and execution of critical projects with a strategic focus on toll roads. In this work, Fran has overseen hundreds of employees at a time, implemented large-scale customer service centers, and engaged with regulatory entities at all levels of government.

He graduated summa cum laude with a bachelor's in accounting from St. Peter's University.



NEW JERSEY SOCIETY OF
PROFESSIONAL ENGINEERS

The background of the page is decorated with abstract, flowing blue lines that create a sense of movement and depth. These lines are composed of many thin, parallel strokes that overlap and curve, forming a complex, organic pattern. The lines are primarily blue, with some lighter, almost white, lines interspersed, giving the design a layered and dynamic appearance. The overall effect is modern and sophisticated, typical of contemporary corporate branding.

2024-2025 Executive Committee

EXECUTIVE COMMITTEE

President

Carolyn Feigin, P.E., P.P.

Carolyn is a Principal Associate Engineer who has been doing Land Development, mainly in the private sector, for nearly 30 years. She has concentrated her career in Civil Engineering Design, Planning and Feasibility Studies. She has extensive experience with Planning and Zoning Boards, providing expert testimony on Site Plans and Subdivisions that she designs with her team, taking projects from proposal through concept, design, approval and ultimately through construction. She is familiar with all aspects of developing a site, including meeting municipal, county, state and various agency requirements, with a specialty in stormwater management design. As part of her role at ARH, she has taken on municipal engineering projects, including design and funding for roadway reconstruction, parks and trails, as well

as doing design and construction management work for multiple schools in the South Jersey area. She has also been involved with Community Association work, including stormwater management basin inspections and remediation plans. She is the current Engineer for the Brick Township Planning Board as well as for the Casino Reinvestment Development Authority, as well as the lead engineer at ARH for a large power company in South Jersey.

Carolyn joined ARH Associates in February 2022, as the Senior Associate for the Site Design and Development team, and recently became the 9th owner in the firm's nearly 90 year history. She runs the Tinton Falls office for ARH. Prior to that, she worked in the Land Development Department at FWH Associates, PA, in Toms River, from 2020 - 2022. She was previously employed by DW Smith Associates, LLC, of Wall Township and Owen, Little & Associates, Inc., of Beachwood, NJ. Carolyn has been a licensed Professional Engineer in the State of New Jersey since 2000 and obtained her Pennsylvania PE license in 2018. She has also been a licensed Professional Planner (PP) in the State of New Jersey since 2018. She earned a Bachelor of Science in Civil Engineering from New Jersey Institute of Technology in 1995, and an Associates Degree in Engineering from Ocean County College in 1992.

Carolyn is currently the President-Elect of the New Jersey Society of Professional Engineers and is a Past President and active member of the Ocean County Society of Professional Engineers. She volunteered for many years with the annual local MathCounts competition for middle school students. She was an active member of the Shore Builders Association of Central NJ, Inc., as well as the Professional Women in Building Council of the Garden State, and volunteers as a mentor to high school and college students. She has also participated in the Making Strides Against Breast Cancer walk for 19 years and enjoys raising money and awareness for this important cause. She is married and the mother of three sons. She is a lifelong resident of Ocean County and can be found at the beach in her down time.



EXECUTIVE COMMITTEE

President Elct
Erica Ann Vigliorolo, P.E.



Erica Vigliorolo, P.E. works in the Northeast Water group at Mott MacDonald and has over 7 years of experience with the company. Erica has worked on various geotechnical and municipal projects throughout her career. Erica currently supports the Township Engineer of several municipalities, including construction inspections, Board reviews, and preparing grant applications and site plans. She also assists on designs for flood mitigation and dam rehabilitation projects throughout the state.

Erica graduated from the New Jersey Institute of Technology (NJIT) in 2016 with a Bachelor of Science degree in Civil Engineering and a minor in Business. She has also completed her Master's degree in Civil Engineering at NJIT in 2018

Erica has written and presented original research at the GeoRisk 2017 conference held in Denver, Colorado. Her research paper, "Risk-Based Slope Hazard Evaluation System," focused on analyzing and establishing a rating system for slopes that may be at risk of failure. This work is applicable to engineers, owners, and contractors alike to ensure safe working environments and the long-term safety of the proposed construction.

In her free time, Erica enjoys traveling and spending time outdoors. She has also been volunteering at the Secaucus Animal Shelter for over 6 years. Erica appreciates the constant encouragement from her coworkers and supervisors at Mott MacDonald, and most importantly from her parents, Faith and Rocco, and boyfriend, Michael who have all supported her decisions throughout her career, and continue to do so as she grows within the engineering industry.

EXECUTIVE COMMITTEE

Vice President

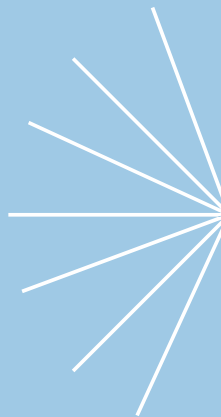
Gregory Stolowski, P.E

Mr. Gregory Stolowski, P.E., Lead Structural Engineer and Technical Principal of WSP USA, Inc graduated from Lehigh University in 2010 with a Bachelor's Degree in Civil Engineering and in 2011 with a Master of Engineering Degree in Structural Engineering. Greg has diverse experience in bridge design and bridge inspection. He has modeled, analyzed, designed and detailed multiple unique bridge structures throughout New Jersey.

Greg has made key contributions to Route 76/676 over Klemm Ave Bridge superstructure replacement, Contract 3, 4, 7, and 8 of the Pulaski Skyway deck replacement, steel repairs, and seismic analysis as well as New Jersey Turnpike Hudson County Extension seismic analysis, isolation bearing design and substructure retrofit design, and the Garden State Parkway over the Passaic River Bridge superstructure replacement and widening.

He also worked on the rapid response inspection and repair design on the 2017 fire under Route 139 in Jersey City. As a member of the PESMC, has been on the executive board since 2017 and Greg served as the 2018-2020 Treasurer and 2020-2021 President. Greg served as the 2022-2023 NJSPE Secretary and 2023-2024 Treasurer.

Greg has written several papers for ASCE and IBC and he's the Co-Author for the Structural Steel Designer's Handbook, 6th Edition Chapter 11 "Beam and Girder Bridges". Greg was the 2019 PESMC Young Engineer of the Year and the 2020 NJSPE Young Engineer of the Year. In his free time, he coaches the top Ultimate Frisbee team in New Jersey. Greg, his wife Abbey, and son Anthony reside in Belmar, New Jersey.



EXECUTIVE COMMITTEE

Secretary
Christopher Iacono, P.E.

Mr. Iacono is the Geographic Discipline Leader for Highways Engineering in New Jersey for Colliers Engineering & Design. Mr. Iacono has 18 years of experience in the Transportation Engineering Industry which includes the management and development of roadway designs and the preparation of contract plans, specifications, and construction cost estimates for a variety of on-call assignments, roadway resurfacing / reconstruction projects, including interchange design and minor/major bridge projects for the NJDOT, NJTA, and various other agencies and counties throughout New Jersey.

Christopher is also a Past President of the Professional Engineers Society of Mercer County, having served for several years on the Executive Board in various capacities. Christopher has also served as the Mercer County Chapter Coordinator of the MATHcounts Competition Series since 2016. MATHcounts is a Math competition for middle school students, which is sponsored and supported by the NJSPE.

He is also a contributing member to other Professional Societies in New Jersey.



EXECUTIVE COMMITTEE

Treasurer

Darren Ferlazzo, P.E.



Darren Ferlazzo is a Group Manager within T&M's Transportation Division. He brings more than twenty years of experience in structural design, inspection, and project management of bridges, dams, waterfront structures, and other heavy construction structures in the public and private sector. He plays a vital role in the planning, growth, and project delivery in T&M's transportation markets and leads efforts in the state of New Jersey, New York, and Pennsylvania.

Mr. Ferlazzo has managed projects for many of the area agencies including the Port Authority of New York and New Jersey and many NJ counties, including and has successfully completed a variety of infrastructure projects involving close coordination with clients, public and private

agencies, utility companies, and contractors. Most recently, Mr. Ferlazzo has been the Project Manager for the Outerbridge Crossing Priority Repairs involving main gusset plate repairs. He has been involved in several dam rehabilitation and replacement projects for several public and private clients in New Jersey.

Mr. Ferlazzo is a licensed professional engineer in the states of New Jersey, New York, Pennsylvania, Delaware and Ohio. He holds a bachelor of science in civil engineering from The Pennsylvania State University. Additionally, Darren is a member of the Association of State Dam Safety Officials and the Society of Professional Rope Access Technicians (SPRAT) conducting inspections on structures such as the Outerbridge Crossing and the Air Traffic Control Towers. When not working Darren is PADI Divemaster and assists with teaching SCUBA lessons or out hiking and photographing wildlife.

EXECUTIVE COMMITTEE

NJSPE Director At Large
Brian Van Nortwick, P.E.



Brian Van Nortwick, P.E. is a Senior Construction Engineer at American Water who specializes in the planning, design, permitting, and construction management of water supply and treatment improvement projects. His areas of expertise include water treatment process design, water supply master planning, and lead service line replacement program (LSLRP) management. Brian is currently working on the development and implementation of New Jersey American Water's LSLRP, as well several treatment process improvement projects for New Jersey American Water and Indiana American Water.

Before earning a B.S. in Civil Engineering and an M.S. in Environmental Engineering at NJIT,

Brian joined the Ocean County Chapter while studying Engineering at Ocean County College. Since then, his involvement has included helping the NJSPE Young Engineers Committee start a student chapter at NJIT, serving as NJSPE Director at Large, and serving as an officer of the Ocean County Chapter, most recently as President from 2018-2019.

In addition to NSPE, Brian is an active member of the American Water Works Association (AWWA), where he has served as co-chair of the AWWA NJ Young Professionals Committee (YPC) and as a voting member of the 13-member national AWWA YPC. Brian is also an active volunteer for the NJ Water for People Committee, a non-profit organization committed to bring clean drinking water and sanitation to developing countries.

An Ocean County native, he currently resides in Oaklyn, Camden County with his wife, Bethany. In his spare time, he enjoys spending time outdoors with family and surf fishing at Island Beach State Park.

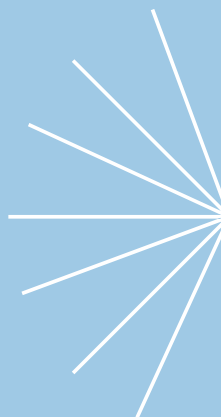
EXECUTIVE COMMITTEE

NSPE Delegate
Isaac Forero, P.E.

Mr. Forero is a Senior Structural Engineer and Structures Lead at STV, Inc. He graduated from NJIT with a bachelor's degree in civil engineering and a Master of Engineering degree in structural engineering. Isaac has been working in the transportation industry (bridges and structures) for about 12 years and is currently pursuing an MBA.

Isaac has been part of engineering teams on projects all over the tri-state area for a variety of clients. Some of the projects and clients he has recently been involved with include the Brooklyn Bridge Rehabilitation Contract 7, NJ approach spans demolition work for the old Goethals Bridge, Henry Hudson Ramps (Bus Station Bridge Rehabilitation), and the Betsy Ross Bridge Interchange Project. Other clients include NJDOT, NJTA, PennDOT, NYCDOT, MTA, and multiple counties throughout NJ and PA.

Isaac has served as secretary of the NSPE Monmouth County chapter, is actively involved in other professional societies, and recently participated and placed 2nd in the ACEC food drive and can competition. In his free time, Isaac enjoys spending time with his family and participating in triathlons as well.



EXECUTIVE COMMITTEE

Immediate Past President
Jeffrey Laux, P.E., C.M.E.

Jeff is currently an Engineering Consultant with Affiliated Engineering Laboratories in Edison, where he performs forensic engineering evaluations and inspections of the design and construction of elements in civil and safety engineering. He received his bachelor's degree in civil engineering from The College of New Jersey in 2011 and is a licensed Professional Engineer in New Jersey, New York and Pennsylvania, a Certified Municipal Engineer in New Jersey, and licensed Building Inspector in New Jersey.

During his 13-year career, Jeff has served as a Field Engineer, Project Engineer and Construction Engineer on projects ranging from the fabrication of maritime vessels to the construction of heavy civil and marine infrastructure to the design and management of municipal infrastructure improvement projects. These projects were completed for various public and private entities in the New York/New Jersey metropolitan area. He embraces the challenges and construction and believes there is tremendous value in collaborating with team members at all levels and across all disciplines.

In addition to his work responsibilities, Jeff has held several positions on the board of the Professional Engineers Society of Mercer County, including most recently the president during the 2021-22 fiscal year. Jeff has also served as a mentor to civil engineering students at his alma mater, The College of New Jersey. Outside of the office, Jeff enjoys spending time with family and friends, rooting for his favorite sports teams, playing basketball, and traveling near and far in search of different foods, cultures and ways of life.



NJSPE Exemplary Public Project Award



Replacement of Nacote Creek Bridge (PR-07), Old New York Road (CR610) over Nacote Creek, Owner: Atlantic County, Designer: Michael Baker International, Contractor: South State, Inc.

NJSPE Honorable Public Project Award



Route 3, Bridge over Northern Secondary and Ramp A, Owner: NJDOT, Designer: Michael Baker International, Contractor: Ritacco Construction, Inc.

Congratulations to all of this year's award recipients!

The background features a series of overlapping, wavy lines in shades of blue and grey. The lines are thin and densely packed, creating a sense of movement and depth. The blue lines are more prominent, forming a large, flowing shape that dominates the upper half of the image. The grey lines are more subtle, weaving through the blue lines and the white space. The overall effect is a modern, artistic, and dynamic composition.

Award Winners

AWARD RECIPIENT

Distinguished Engineering Service Award

Steven A. Tardy, P.E.

French & Parrello Associates



Over his 33-year career, Steven A. Tardy, PE has played a critical role in shaping French and Parrello's impact on the engineering profession. He has sought to inspire young engineers and has guided the firm's involvement with industry and community organizations. Having received a bachelor's degree from Rutgers University and a master's degree from the University of California at Berkeley, the focus of his professional career has been in geotechnical engineering. From 1995-2000, Steve served as NJSPE's Career Day Committee Chairman and from 2011-2023 he served as a member of the Rutgers University CE

Industry Advisory Board. He also served as Graduate School instructor at Rutgers University from 2002-2007. His contributions to the profession earned him ASCE-NJ's "Civil Engineer of the Year" award in 2012.



NEW JERSEY SOCIETY OF
PROFESSIONAL ENGINEERS

AWARD RECIPIENT

Outstanding Professional Engineer Award

Janella Guillermo, P.E.

TPD



Janella Guillermo, PE, Senior Project Manager at TPD, is an experienced structural engineer and project manager who works to successfully deliver bridge replacement and rehabilitation projects to private and public sector clients in New Jersey and Pennsylvania, including for Monmouth County, Mercer County, Passaic County, Sussex County, Ocean County, NJDOT, and the DRJTBC. She is a dedicated mentor and advocate for women in the profession, as a leader in TPD's Freehold office and an active member of WTS New Jersey. Outside of work, Janella resides in Howell with her husband, two kids, mom

and dad, 1 horse, 1 donkey, 7 ducks, 2 dogs and 1 cat. She coaches youth soccer for her children, in addition to a local team for disabled children.



NEW JERSEY SOCIETY OF
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AWARD RECIPIENT

Outstanding Young Professional Engineer Award

Joseph P. Letinski, P.E.

Van Cleef Engineering Associates, LLC



Joe graduated with a B.S. in Civil Engineering from Rowan University in 2018. He went onto receive his Master's degree in Geotechnical Engineering from NJIT in 2021, while working full-time at Van Cleef Engineering. Joe earned his Professional Engineering License in 2022.

Joe has taken on key roles providing both geotechnical and structural engineering service on numerous bridge projects for clients such the NJ Turnpike Authority, Ocean County, and Monmouth County.

Joe served this past year as President of the Ocean County Chapter of the NJSPE and completed his first semester as an Adjunct Professor of Engineering at Ocean County College. Joe is an outstanding young leader, produces excellent work, and is always willing to step up to help out others.



NEW JERSEY SOCIETY OF
PROFESSIONAL ENGINEERS

AWARD RECIPIENT

Outstanding Public Service P.E. Award

John A. Wiggins, P.E., F. ASCE

Township of Irvington



John A. Wiggins, P.E., F. ASCE, is a 1973 graduate of Newark College of Engineering with a Bachelor's of Science degree in Civil engineering. He is also a 1981 graduate of the New Jersey Institute of Technology with a Master's degree in Civil Engineering and a 1980 graduate of the Seton Hall School of Law with a Juris Doctor Degree and has done post graduate work in Civil Engineering (ABD) at Rutgers University. He is currently a licensed Professional Engineer in New Jersey as well as a licensed Professional Planner and has been admitted to the New Jersey Bar but is currently inactive.

Mr. Wiggins currently serves as the Township Engineer for the Township of Irvington on a part-time basis and has served in this capacity since 1993. Additionally, Mr. Wiggins is a Senior University Lecturer and the Program Coordinator for the Construction Engineering Technology and Construction management Technology Programs at NJIT.

Mr. Wiggins has been involved with the New Jersey Municipal Engineering Institute, the educational branch of the New Jersey Society of Municipal Engineers, which created and continues to sponsor the Certified Municipal Engineer (CME) program. He has served as the Chairman of NJMEI since 1990. NJMEI is a volunteer organization that was created to address the continuing education needs of those seeking to practice as municipal engineers within New Jersey.



TM NEW JERSEY SOCIETY OF
PROFESSIONAL ENGINEERS

AWARD RECIPIENT

Gene O'Brien Lifetime Achievement Award

Mark V. Shourds, P.E., P.P., F-NSPE

Shourds Consulting, PC



Shourds has been a member of the New Jersey Society of Professional Engineers since 1997. He has held Chapter and State offices from Secretary through President, participated in numerous committees, represented New Jersey at National conferences as the State's delegate, represented the Northeast Region on the NSPE Professional Engineers in Government (PEG), committee, and the NSPE Candidate Screening Committee. In 2018 Shourds was honored by the NJSPE with the Outstanding Professional Engineer Award and he has been inducted as a Fellow.

Shourds is licensed in three states as a Professional Engineer and is licensed in New Jersey as a Professional Planner. Shourds holds a BSCE from Drexel University where he received the Senior Merit Citation.

Shourds has also been a member of the American Society of Civil Engineers since joining as a student in 1994. In 2015, the American Society of Civil Engineers, South Jersey Branch, honored Shourds with the Distinguished Engineer Award.

For most of Shourds' career, he was in private practice, working with some great firms. Shourds also had the privilege of managing his own firm. In 2014 Shourds was appointed the County Engineer for Atlantic County where he managed the County Engineering Division for seven years before going back into private practice.

THE GENE O'BRIEN LIFETIME ACHIEVEMENT AWARD IS SPONSORED BY



AWARD RECIPIENT

Outstanding Public Project Award

Sharon Station Road Corridor Improvements

Van Cleef Engineering Associates, LLC



Van Cleef Engineering was contracted by Monmouth County to provide design and construction support services for 1.5 miles of corridor improvements to Sharon Station Road (CR 539A). The existing two-lane, undivided roadway had several substandard safety features, including congestion, high crash rates, poor sight distance, narrow bridge crossings, no shoulders, and roadway flooding.

The project's design features to mitigate these deficiencies included a wider corridor to improve geometric alignments, three bridge replacements, full depth pavement reconstruction, new guide rail, new shoulders, a landscaped median, signalized intersection, a new roundabout, median landscape design, as well as stormwater management design, including new inlets, drainage pipes, detention basin, roadside swales, and underground quality/retention systems. Extensive Community Outreach was required, including coordination with local residents, businesses, and local officials.

- Joseph Ettore, PE – County Engineer
- Erik Vieira – County Project Manager
- Lawrence Diffley, PE, PTOE – Project Manager
- Jeffrey Munzing, PE – Structural Manager
- George Afful, PE – Lead Highway Engineer
- George Gkionis, PE – Highway Engineer
- Michael Freno, PE – Highway Engineer

AWARD RECIPIENT

Exemplary Public Project Award
Replacement of Nacote Creek Bridge
Michael Baker International



- **Background:** The Nacote Creek Bridge (Bridge No. PR-07) was initially built in 1904 as a two-span swing steel truss bridge with approach causeways. Over time, it became functionally obsolete due to inadequate deck width and poor condition.
- **Replacement:** The project replaced the old bridge with a new six-span continuous curved plate-girder bridge. The new bridge has an out-to-out width of 42'-3", including two 12ft travel lanes, two 5ft shoulders, and a 5ft sidewalk on the west side.
- **Improvements:** The replacement bridge eliminated structural deficiencies, improved alignment, and met the 40mph speed requirement. It accommodates bicycles and pedestrians, enhancing public safety.
- **Utility Considerations:** The improved alignment avoided relocating a critical high-voltage line and didn't impact utility poles. The project also eliminated a substandard intersection.
- **Historic Preservation:** Close coordination ensured compliance with historic preservation requirements, including HAER recordation and interpretive displays.
- **Construction:** South State Inc. won the construction bid (\$11.9 million) and was substantially completed September 22, 2023.
- **Michael Baker International (designer)**
 - Joseph Romano, PE, Project Manager
 - Sarat Peyyeti, PE, Deputy Project Manager
 - Meb Mezgebo, PhD, PE, Project Engineer
 - Ron Rudolph, Sr. Resident Engineer
- **Atlantic County (project owner)**
 - Douglas DiMeo, PE, Project Manager
 - Michael Alfano, PE, Project Engineer
- **South State, Inc. (contractor)**
 - Jeff Dumas, Project Manager

AWARD RECIPIENT

Honorable Public Project Award

Route 3, Bridge over Northern Secondary and Ramp A

Michael Baker International



The Route 3 Bridge over Northern Secondary and Ramp A project included:

- Replacing the multi-span Route 3 Bridge with a single span.
- Roadway safety improvements, wider shoulders, and improved super-elevations meeting NJDOT standards.
- Eliminating the structurally deficient bridge by constructing a new bridge with a minimum 23'-0" clearance.
- Widening Route 3 Bridge and approaches to provide two 12' lanes, 10' right shoulders, and 4' left shoulders in each direction.
- Shifting the alignment 29' south to accommodate widening and maintain traffic during construction.
- Removing piers adjacent to railroad tracks, allowing for more efficient freight transportation and future rail expansion.
- Constructing sidewalks on the north side of the bridge for pedestrians and bicyclists.

The project received \$18.2 million in 2017 from the U.S. DOT AASHTO TIGER Discretionary Grants, had a total construction cost of \$24.8 million, and was substantially completed June 16, 2023.

Michael Baker International (designer)

- Magdy Hagag, PE, Project Manager, Design Stage
- William McBride, Jr., PE, Project Manager, Post-Design Stage

New Jersey Department of Transportation (NJDOT) (project owner)

- Girish Patel, Executive Regional Manager Team A
- Dhananjay Rana, Division of Project Management Team A
- Sagar Patel, Resident Engineer

Ritacco Construction (contractor)

- Giuseppe Gencarelli, Construction Lead

AWARD RECIPIENT

Meritorious Public Project

Roadway Improvements to Witherspoon Street

T&M Associates



Historic Witherspoon Street is Princeton's "Main Street" located within Princeton's Central Business District (CBD). Last improved in the prior century, the roadway had narrow sidewalks and few trees. Improvements were needed to create a vibrant downtown for pedestrians, businesses, and operations. Phase 1 extends from Nassau (Route 27) to Green Street. Princeton adopted a design which converts a portion of the roadway into a one-way pedestrianized space. The southern roadway section (Nassau to Spring) converts from a two-way 40' wide vehicle-centric street into a 12' one-way street with a 10' service lane with concrete pavers on both the road and sidewalk. Wider sidewalks accommodate outdoor dining, enhanced landscaping, and furnishings. A reduced speed limit, mid-block raised crosswalk, and a curb extension at Spring Street calm traffic. Green infrastructure elements include urban tolerant trees, landscaping, and concrete pavers with porous joints to improve flood and energy resiliency. The original two-way traffic pattern North of Spring Street is maintained and curb extensions, wider sidewalks and an exclusive pedestrian traffic signal phase at Paul Robeson Place further enhance safety.

- Deanna Stockton, Municipal Engineer, Municipality of Princeton
- Tejal Patel, PE, CME, LEED AP, T&M Associates
- Earle Asphalt Company
 - Bill Mead, Group Manager
- Princeton Historic Preservation Commission (HPC)
 - Elizabeth H. Kim, Historic Preservation Officer
- New Jersey Department of Transportation
 - Ashish Patel, Division of Local Aid and Economic Development District 3

AWARD RECIPIENT

Meritorious Public Project

Central Avenue Streetscape Improvements

French & Parrello Associates



French & Parrello Associates (FPA) led a transformative two-year, nearly \$4 million streetscape improvement project in Jersey City's Heights neighborhood. Faced with pandemic disruptions and unexpected challenges, the project aimed to rejuvenate the urban landscape, funded by the City's Capital Budget and NJDOT Municipal Aid Program. FPA's comprehensive efforts included road resurfacing, new signage, bicycle-friendly features, drainage enhancements, ADA-compliant sidewalks, and aesthetic additions. Collaboration with stakeholders, including CASID, played a crucial role. Overcoming COVID-related supply constraints and structural surprises, FPA's innovative solutions ensured a remarkable revitalization aligned with the community's vision, despite unprecedented hurdles.

- Michael Drobny, PE, CME
- William Masol, PE, CME
- Charles LaPlaca
- Michael Carangui, EIT



Congratulates the



**NEW JERSEY SOCIETY OF
PROFESSIONAL ENGINEERS**

Award Recipients and 2024-2025 Officers

KEEPING WHAT REALLY MATTERS IN SIGHT

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FOCUS ON THE WORK THAT MATTERS MOST TO YOU.**

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David Montag, Esq. • Richard J. Davies, Esq.**

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Newtown, CT 914.681.8700**

The background features a series of overlapping, wavy lines in shades of blue and grey. The lines are thin and densely packed, creating a sense of movement and depth. The blue lines are more prominent, while the grey lines provide a subtle contrast. The overall effect is a modern, artistic design.

Scholarship Award Recipients

SCHOLARSHIP RECIPIENT

Anna Sasse
Rowan University



Anna Sasse is entering her senior year in the Martinson Honors College at Rowan University majoring in Mechanical Engineering with a minor in Mathematics. Anna is also a four-year varsity student-athlete competing in cross-country, indoor track, and outdoor track. She has received multiple NJAC and All-Region academic honors for her performance as a distance runner as well as in the classroom. Anna is currently a nuclear engineering intern at PSEG, working to support the operations and maintenance of the plant as a Mechanical Systems Engineer. In the past, Anna worked as an Engineering Assessor under a

grant from NJDMAVA in which she conducted building audits of multiple National Guard sites throughout New Jersey which helped distribute adequate project funding. In her Junior semesters, Anna participated in an engineering project developing a universal hitch attachment for a children's stroller aimed to assist a disabled veteran who suffered a visual impairment in the line of duty. This project would allow him to comfortably pull a stroller while simultaneously utilizing his White Cane. Throughout her years at Rowan, Anna has developed a profound interest in sustainability, product development, and serving a greater purpose. She is grateful for the field of engineering, as it allows her to nurture all of these passions.



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SCHOLARSHIP RECIPIENT

Gulmina Imran

New Jersey Institute of Technology



Gulmina Imran is a senior majoring in biomedical engineering at the New Jersey Institute of Technology with a focus on biomaterials and medical devices. Throughout her academic career, Gulmina has consistently demonstrated excellence, earning recognition as an NJIT Academic Scholar Award Recipient, Dean's List Scholar and Undergraduate Research and Innovation Fellowship recipient. She is currently an intern at Merck, where she works as part of a team manufacturing life-saving vaccines. She collaborates with cross-functional teams to improve and optimize manufacturing processes

and supports projects aimed at enhancing the safety and performance of manufacturing areas. Gulmina has previously completed a co-op at Seres Therapeutics as a MS&T engineer where she developed her passion for personalized healthcare, specifically regenerative medicine. Additionally, she has interned at Siemens Healthineers as a quality engineering intern, gaining valuable experience in supplier quality, compliance and ISO regulations. In 2023, Gulmina was awarded 1st place at the NJIT Undergraduate Research Symposium for her research in the Vision and Neural Engineering Laboratory, where she developed a software analysis tool for studying vergence eye movements in concussion-related convergence insufficiency patients.

In addition to her academic and professional achievements, Gulmina is actively involved in leadership and community outreach. As the Public Relations Coordinator for the Society of Women Engineers, she coordinates outreach efforts and maintains the organization's online presence. Through this role, she is dedicated to supporting and inspiring other women in STEM, fostering a community of collaboration and empowerment. As a future biomedical engineer, Gulmina is committed to leverage her experiences and hone her skills to engineer accessible healthcare solutions.



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Hailey Achille
Stevens Institute of Technology



Hailey Achille is entering her senior year at Stevens Institute of Technology and continuing her Civil Engineering education. She is very involved on campus by being a member of Chi Epsilon Civil Engineering Society, Civil Engineering Student Advisory Board, Order of Omega, and serving on the board of Delta Phi Epsilon. She is the Vice President of her sorority, where she oversees the standing of her chapter with finances, attendance, and safety. She is currently a Marine Engineering Intern at MidAtlantic Engineering Partners, where she assists with permitting, preparing reports, and performing inspections

on bridges and other waterfront structures. Hailey most recently won the “Ports of Philadelphia Maritime” Scholarship where she was recognized for her efforts in Marine Engineering in her prior internship. Hailey is preparing for the Fundamentals of Engineering (FE) Exam in August and plans on taking the Principles and Practice of Engineering (PE) Exam by the end of this year. She is planning on becoming a Commercial Diver to enhance her abilities as a Marine Engineer. She is eager to step out into the real world and become a Professional Engineer using the knowledge she has gained both from her internship experience as well as her time at Stevens Institute of Technology.



NEW JERSEY SOCIETY OF
PROFESSIONAL ENGINEERS

THANK YOU AWARDS COMMITTEE

Thank you to our awards committee members for their time and commitment to the NJSPE award nomination process.



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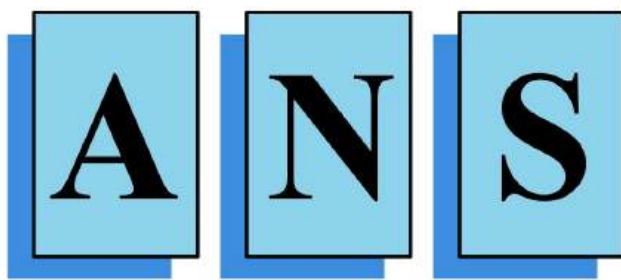
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**Congratulations to Steven Tardy, PE, the
Central Avenue Team, and all of the
2024 NJSPE Award Winners!**





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