

# BIAZZUAL

Jan. 2020  
[kcepc.com](http://kcepc.com)

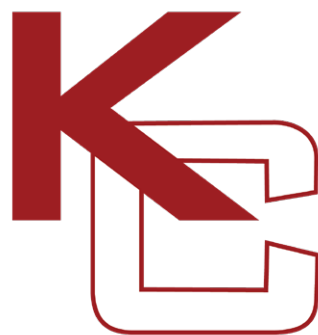


# SEVENTEEN ZERO

03

## A LETTER FROM RAJ RAVILLA

KC's president looks back at another successful year and ahead to the future.



04

## MILESTONES

... in which we welcome new employees and recognize the services of others.



05

## KC PET CORNER

Highlighting some of KC's most valuable four-legged friends.

06

## WHAT'S THE DEAL WITH DESIGN-BUILD?

Exploring an efficient and increasingly prevalent project delivery method.



09

## KC HOLIDAY PARTY 2019

Per KC tradition, staff gathered during the holiday season to celebrate the year.



10

## KC ABROAD

Some snapshots from KC employees' well-earned R&R over the past year.

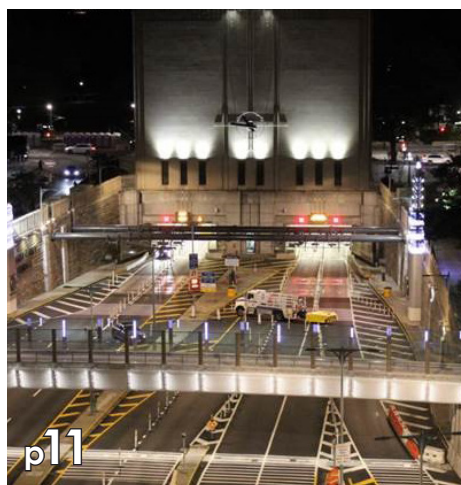
11

## PROFESSIONAL DEVELOPMENT

Internships are a valuable step to a successful career.

## AWARD TOUR

A KC bridge project received acclaim from industry experts.



12

## PROJECT HIGHLIGHTS

From KC's workbench: a sneak peek at some of the contracts on our desks.



13

## NUMBERS

Statistics about KC.



## A LETTER FROM RAJ RAVILLA

*As the year and decade draw to a close, I reflect upon KC's significant accomplishments and thank our staff who have been so instrumental to this success.*

KC has grown and succeeded through the talent of our employees, by offering an increasingly diverse array of services, continuing to take on complex and vital projects, consolidating and expanding our offices, and so much more. I am proud of our KC employees that have attained countless professional milestones during their tenure here, including but certainly not limited to attaining valuable certifications and training, earning their professional licenses, or receiving well-deserved internal promotions.

Of course, any success story comes with challenges to overcome; however, any challenges that arose were taken in stride by KC's excellent staff. Through our continued commitment to the ISO Quality Management System, we remain steadfast in our dedication to continuous improvement, and our openness to new ideas and methods have led to more effective ways of operating. This standard of quality permeates through all levels of the firm, contributing to KC's success and the satisfaction of our clients. At KC, challenges are viewed as opportunities for growth and success, making us individually and collectively stronger as a result.

*At KC, challenges are viewed as opportunities for growth and success.*

One significant challenge and, therefore, opportunity from the past decade involved the introduction of the design-build method of project delivery to New York, which we explore in detail in this newsletter's main feature. As agencies procured for more design-build projects as the decade progressed, engineering companies statewide were forced to adapt to the large scale and demanding schedule of design-build projects. I am proud that KC's talent, creativity, and forward-thinking approach as a member of several successful design-build teams have enabled us to be at the

forefront of this new project delivery method as it expanded in New York, demonstrating ourselves as a valuable resource on some of New York's most highly visible and important design-build projects in the process. As we have done and continue to do on all projects, we hold quality and client satisfaction in the utmost regard.

I look forward to our continued success in the new year and decade. Let's continue to give 100% in all of our work and we will all continue reap the benefits.

**-RAJ**



# MILESTONES

*This quarter, we celebrate several employees who have made KC their home for several years and welcome new employees to KC. The KC family is always growing, and we are especially happy for one of our employees for a very special addition to his own family.*



**SURVEY MANAGER  
NICHOLAS BURGHER, P.L.S.**

Nick celebrates his 10<sup>th</sup> year with KC this quarter. Nick is the survey manager at KC's Poughkeepsie (POK) office and has overseen the POK survey team through many of the company's most complex survey projects, becoming a valuable member of the KC family in the process. He is proficient in a multitude of survey equipment and has ample experience in right-of-way, design, ALTA and ACSM, and topography mapping.

10



**SENIOR AUDIT MANAGER  
ANAND LALCHANDANI, P.E.**

In May 2020, Andy will have been with KC for 10 years, and his diverse experience in design, construction, auditing, management, and inspection of multimillion-dollar contracts have been invaluable to the firm. Andy currently represents KC as Senior Audit Manager at the DEP Office of Engineering Audits (OEA) and has resolved numerous highly complex contract interpretation and audit issues throughout his career.

10



**OFFICE ENGINEER/SR. INSPECTOR  
VLADIMIRO ARISTODEMOU, E.I.T.**

Vladimiro is celebrating five years with KC this quarter. He has a master's degree in Structural Engineering; a bachelor's degree in Civil Engineering; and decades of engineering, inspection, and project management experience, which has included responsibility for project activities and oversight of engineers from project start to completion.

5



**IT SPECIALIST  
ANTHONY NAGLE**

Anthony has his five-year anniversary as a KC employee this June. Our IT guru, he manages KC's backup system and file security; installs, diagnoses, and repairs software; and installs and configures routers and switches. He is also proficient in wireless technologies, virus prevention, and arranging network and workstation configurations.

5



NEW

**STRUCTURAL ENGINEER  
KAMAL REGMI, E.I.T.**

Kamal joined our Structural Engineers in the NYC office in July, bringing with him four years of experience in structural design, analysis, and drafting. He has hands-on expertise in modeling and designing high-rise, multi-story residential buildings using SAP 2000 and AutoCAD, and is skilled in several kinds of engineering software.



NEW

**CIVIL ENGINEER  
LIAM REGAN**

Liam, a recent Civil Engineering graduate from Stevens Institute of Technology, joined the KC Circleville (CIR) family in August and has already worked on major KC projects, including the NYSTA Cashless Tolling Design-Build. His experience in wastewater and geotechnical projects through several engineer co-ops have already proven useful to the firm.



NEW

**CIVIL ENGINEER  
DEVIN MCKENNA**

Devin started as a Civil Engineer at KC's POK office this past quarter. His first quarter has been quite busy, with him providing support on the NYSTA Cashless Tolling Design-Build project and Franny Reese Park project. His experience on construction sites as a Civil Engineer makes him a valuable addition to the Team.



NEW

**STRUCTURAL ENGINEER  
YOGENDRA GAUCHAN, E.I.T.**

Yogendra joined KC with both a B.S. and M.S. in Civil Engineering, five years of professional involvement in the construction industry, and experience in the review of design and analysis of various aspects of civil engineering projects. His experience in steel, RCC, and timber design will serve our Team well.





CIVIL ENGINEER  
**TILO KRÜLLE**

Tilo started at the CIR office in October as a Civil Engineer and has already found himself working on several of KC's most high profile projects, including the Kew Gardens Interchange, for which he is providing lighting design support. In addition to his Civil Engineering expertise, Tilo's background in architectural work will prove highly useful.



CIVIL ENGINEER  
**MOSES VINCENT AGARE**

Moses recently earned a degree in Civil Engineering and joined KC's NYC office this past fall, bringing to the table hands-on experience in environmental and transportation design, AutoCAD, MicroStation, Inroads, BIM 360, AggFlow, and C++. He is currently preparing for his FE exam, an important step to becoming a Professional Engineer.



SR. GEOTECHNICAL ENGINEER  
**RAM KASTURI, P.E.**

Ram joined the KC team in November to lead KC's new and burgeoning Geotechnical Engineering team. With 25+ years of experience regularly performing site investigations, vibration monitoring, slope stability, development of soil and rock profiles, and more, Ram is well-enabled to grow KC's newest discipline from the ground up.



**Congratulations!**

Assistant Survey Manager **Vinny DiBello, P.L.S.** and his wife **Laura** welcomed a baby boy this past summer! **Samuel DiBello** was born at 9:19pm on **Saturday, June 29, 2019.**

**KC would like to congratulate our employees who recently passed their PE exams, including Chak Vallabh, P.E., Saroj Napi, P.E., Sean Lenahan, P.E., and Shrujal Barvaliya, P.E.**

**Great job, team!**



# KC PET CORNER

*Our furry friends bring us joy and company and vice versa: a symbiotic relationship that has stood since time immemorial. In this mini-feature, we highlight several of KC's most valuable friends.*



Project Accountant **Emily Winner** has a Great Dane by the name of **Daisy**. Daisy is coming up on her second birthday and is already taller than Emily. Happy birthday, pup!



Proposal Coordinator **Decire Gonzalez** and her fiancé rescued **Ares**, a Pitbull / Husky mix, when he was one year old. Now three, he loves kids and the snow but doesn't like the cold or long walks!



Survey Manager / Vice President **Dave Baker, P.L.S.** has two dogs. Eight-year-old **Finnegan**, the black and white pup, is a rescue and a mix of about nine breeds. Dave raised **Figgie**, a nine-year-old black Lab, for Guiding Eyes for the Blind.



Architect **Jim Terwilliger** has a Lab / Pitbull mix that is almost six years old. Before adoption, the pup went by the name Napoleon, but Jim found **Nero** to be a more fitting name.



# WHAT'S THE DEAL WITH DESIGN-BUILD?

*With several design-build (DB) projects underway and more successfully completed, KC has quickly become a regional leader on successful DB teams. In this feature, we explore the history of the DB and design-bid-build (DBB) methods, track a DB project from fruition to completion, and explain some commonly used abbreviations and terms.*

## BACKGROUND HISTORY

DB is a project-delivery system recently adopted in NY State consisting of a joint bid by a construction firm and a design firm.

This contrasts with the DBB method, by which a design firm will sell a design to a client, who is then largely responsible for the procurement of construction services. DB is a cost-saving operation for the client, usually resulting in higher value for all parties involved. Unlike DBB, in which the designer is awarded the project after a conceptual proposal, DB typically has teams shoulder most or all of the cost of full practical design development. This full design is included in the final proposal, and a winning team is awarded the project.



KC is providing bridge, utility, and drainage design and risk and quality management services on NYSDOT's D900043 Kew Gardens Interchange DB.

While the DB method is relatively new to NY State, a precursor to DB dates back centuries, even predating the DBB method.

The Code of Hammurabi, one of the earliest written legal writings or written material of any kind, outlined several laws and responsibilities regarding building and construction. Laws and responsibilities for construction and design would evolve over the next few millennia; however, responsibility for these projects would almost always stay in the hands of one individual or small group until relatively recently.

The **master builder** was a highly revered individual or small group in the Ancient, Classical, Medieval, and Renaissance eras of human history who was responsible for leading the design and construction of large-scale projects. During this time, the concepts of what today would be considered "engineering" versus "architecture" were blended into one profession. A master builder frequently oversaw the project from beginning to end, incurring responsibility for the overall success or failure of the project. The master builder was typically directly chosen by a ruler or institution. In other cases, the rulers themselves were the master builder.

Imhotep is regarded as the first named master builder, having pioneered the construction of step pyramids and the widespread use of

stone columns in building in Ancient Egypt in 27<sup>th</sup> century BC. Master builders were responsible for many of humanity's early great infrastructure projects and wonders of the world, including the buildings of Ancient Mesopotamia, many of Ancient Rome's aqueducts and roads, the Mausoleum at Halicarnassus, the Parthenon, and the rebuilding of the Basilica of Saint Denis.

Due to the ever-increasing complexity of design and construction projects, deviation from the master builder method began to emerge by the Renaissance era; however, many projects were still designed and constructed by master builders, including Filippo Brunelleschi with the famous Florence Cathedral Dome. Leon Battista Alberti lived in 15<sup>th</sup> century Italy and is considered one of the first to exclusively focus on design, separating the duties from construction.

The concept of separating design and construction became standard during the Industrial Revolution, especially in the United

States. A then-new method of project delivery – DBB – encouraged free market competition and allowed for less corruption in awarding projects, helping to ensure a best value project. In the United States, the Miller Act of 1935 greatly contributed to the DBB method becoming standard, which required the contractor on federal construction projects with a cost greater than \$100,000 to post performance and payment bonds. While this only applied to federal construction projects, states passed "Little Miller Acts" on their own that emulated the federal Miller Act of 1935.

The DBB method of project delivery would become and remain the dominant form of project delivery until present day. However, shorter schedules and increasing size and complexity of construction projects led to the DB method emerging in the late 20<sup>th</sup> century and taking off in the 21<sup>st</sup> century.

NY passed a law in 2011 to permit 5 agencies to procure for DB services. More agencies have since been added to the list through legislative action, and individual DB projects have been given the go-ahead on a case-by-case basis.

KC has been involved in some of NY's most high-profile DB projects, and our experience informs our process.



On NYSDOT's D900034 Region 8 Bridge Replacement DB, KC, as Lead Designer, provided the design of the two bridge structures, including staged construction and WZTC; geotechnical work; environmental permitting; surveying; roadway design; hydraulic analysis; and quality management services.



# ABBREVIATIONS

The wide variety of abbreviations used in this industry may seem daunting to the uninitiated. Read on for an explanation into common terms as they are used on DB projects.

## QUALITY CONTROL (QC)

Quality is integral to the success of any DB project. QC refers to the internal quality measures that ensure work is in compliance with the standards, requirements, and QCP. The QC team provides unbiased oversight as part of the DB team while also remaining separate from design / construction.

## QUALITY CONTROL PLAN (QCP)

The basis of any good Quality Program is the QCP, which details the standards of quality to be upheld at every level of the project. All members of the DB team are expected to read and understand the QCP. QC staff trains and audits team members to ensure adherence to project quality standards.

## QUALITY CONTROL REVIEW (QCR)

QCRs are the design team's internal methods of checking that the design is in compliance with the standards, requirements, and QCP. This is done, at minimum, before each design package submission and includes relevant discipline engineers, QC engineers, and independent reviewers as needed.

## NOTICE OF DESIGN CHANGE (NDC)

Changes to the design may be required after Release for Construction (RFC) approval due to plan errors, requests from the contractor for a change, comments from agencies, and/or varying field conditions. NDCs undergo the same rigorous checking process as any other design package.

## NON-CONFORMANCE REPORT (NCR)

NCRs are used to monitor and track non-conforming work and prevent recurrence of non-conforming conditions. Anyone can submit an NCR for either design or construction issues, and they must be resolved by both QC and QA before the work can be accepted.

## QUALITY ASSURANCE (QA)

QA auditors are representatives of the owner who provide oversight of the DB team and verify that the QC team is performing their duties. Similar to QC, QA ensures that work is in compliance with the standards, requirements, and QCP. QA auditors also provide final inspection and acceptance of work.

## ALTERNATIVE TECHNICAL CONCEPT (ATC)

Design requirements in DB contracts must be followed to the letter. Any proposed deviation from these that arise during the proposal phase almost always require submission of an ATC to the owner for approval. ATCs must demonstrate a marked improvement to the end product.

## CONSTRUCTABILITY REVIEW (CR)

One of the benefits of DB is the integration of design and construction at every phase of the project. CRs allow the design team to engage and solicit input from the construction team regarding the design, resulting in greater team cohesion, reduced RFIs, and an outstanding final product.

## REQUEST FOR INFORMATION (RFI)

RFIs are used to obtain clarification on design documents that have previously reached RFC status and can be issued by any party to request information from another. The outcome of an RFI varies and could include no formal action; however, it could also result in a need to issue an NDC.

## CORRECTIVE / PREVENTATIVE ACTION (CPA)

CPAs detail how individual NCRs are resolved and must include a solution for preventing the problem from recurring in the future. CPAs are filled out by those responsible for the non-conforming work and are signed off when deemed acceptable by QC and QA staff.

*KC has been involved in some of NY's most high-profile DB projects, and our experience informs our process.*



KC Engineers Siddhant Mehta and Neel Patel, P.E. review the new tolling gantry mock-up.

On this D800002 DB for NYSTA to convert Exits 16 to 61 of the Thruway ticketed system to cashless tolling, KC is Lead Designer along with Stantec as part of the Cashless Tolling Constructors, LLC Team. KC is designing the cashless tolling gantries and communication buildings, and provides quality management, surveying, and civil and utility engineering services.



# P R O C E S S

KC is well-versed in the various NY agencies' DB approaches and recognizes what is required for a high-quality proposal submission.

The DB process varies greatly between agencies; however, it typically begins with the owner issuing a letter of intent that provides interested firms with a bird's eye overview of the project and a rough timeline of the procurement phase so that firms can begin to set up their teams and prepare.

Sometime after the letter of intent is issued, the owner will issue a Request for Qualifications (RFQ). The RFQ outlines project goals, requirements, and the schedule, and provides a due date for the Statement of Qualifications (SOQ) submitted by the DB team. The SOQ varies in format depending on the agency, but it typically requests legal, financial, backlog, past project and key personnel experience and performance, and other organizational information of the main team members, including the design-builder (contractor) and lead designer.

Based on the responses to the SOQ, the owner will develop a shortlist of DB teams who are invited to submit a response to the Request for Proposals (RFP). A draft RFP is then issued. The owner invites the teams to ask questions and addenda are formulated by the owner, which are then consolidated into a Final RFP. The RFP requests more in-depth information than the RFQ, including additional key personnel and organizational information; narratives explaining design, construction, and quality approaches; proposed project schedule and cost; and design drawings. Multiple staff

members from both design and construction organizations meet on regular bases beginning in the procurement phase of the project, form task forces, and work as one DB team. The key personnel typically meet weekly in person, while smaller units work together on daily bases conducting brainstorming discussions, performing investigations and reviews, supervising the development of preliminary plans, coordinating with vendors and/or fabricators, developing scheduling and staging strategies, considering possible impacts of emergency events on construction activities, addressing logistics, and identifying design and construction special issues.



On NYSDOT's D900040 Bruckner Viaduct Deck DB, KC provided field verifications and RFC drawings for all substructures and structural steel repair work.

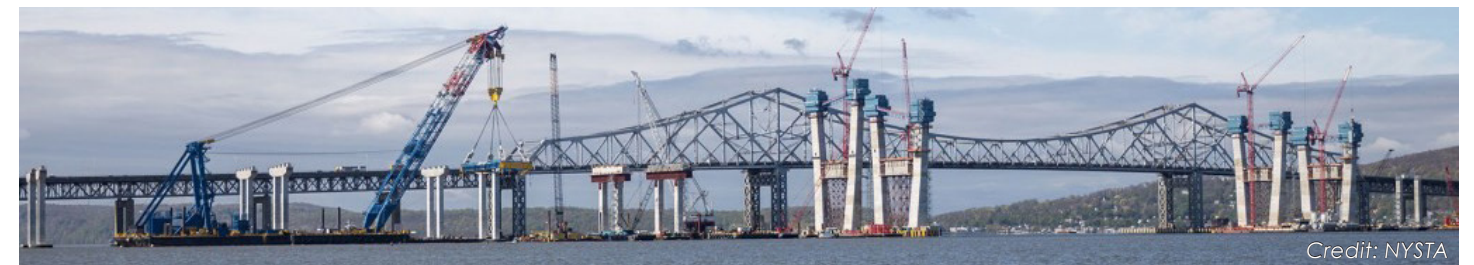
Continuity is integral to KC's approach to DBs. In addition to the key personnel, who are required to stay with the project until completion, KC has as many personnel as possible who were involved in the proposal phase follow the project through to completion due to their established knowledge of the project.

In addition to our design expertise, KC brings valuable quality management experience to any DB team, as an ISO 9001:2015 certified firm with extensive experience managing quality programs. KC provides a dedicated Team Coordinator who compiles the SOQ and RFP responses when KC is Lead Designer and who is well versed in ISO requirements. Then, if the team is selected, the Team Coordinator provides input during the design and construction phases of the project due to their ample knowledge of the RFP. If KC provides quality management on the project, this individual becomes the Project QC Auditor and assists the Quality Manager (QM) in developing a full, project-specific QCP based on the initial QCP submitted with the proposal. The QM, assisted by the Project QC Auditor, then audits the design and construction teams quarterly to ensure adherence to the QCP, RFP, and standards.

# P R O J E C T

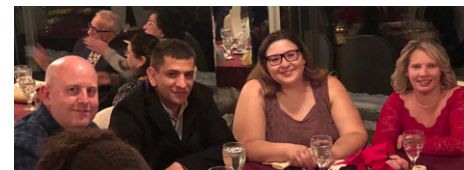
KC's in-house services and talent enable us to offer excellent services on any DB project.

After evaluating submitted proposals based on a variety of factors, the owner chooses a Best Value team. While work cannot begin until Notice to Proceed (NTP) is given by the owner, preparation typically begins immediately in order to meet the demanding schedule of DB projects. For example, preparation of Project Management Plans usually begins as soon as possible after Best Value designation, since the owner typically needs time for commenting and for final acceptance before work can begin. Critical design packages may also need to be progressed at risk for particularly schedule-intensive DB projects. Critical meetings between the DB team and the owner ramp up during this period, which focus on how best to utilize the combined resources of the teams to achieve or exceed the project objectives. Since the DB team was formed and developed during the proposal phase and every entity on the team is familiar with each other and their respective responsibilities, the DB team is ready to hit the ground running to deliver a successful project safely, within budget, and on schedule. ☐



As part of the design team for NYSTA's New NY Bridge project, KC provided design support services, including on-the-bridge approach, approach roadways, and new maintenance access ramps connecting the Thruway mainline and River Road in Rockland County.





# KC HOLIDAY PARTY 2019

KC's annual holiday party was held on December 6<sup>th</sup>, 2019 from 6-10pm at the Views at Mt. Fuji in Hillburn, NY.

As has become tradition at KC, employees and their guests meet at a KC-sponsored event at the end of each year to eat, drink, be merry, and celebrate the success of the previous year.

And there was much to celebrate! KC continues to grow with each passing year with new and returning employees; new areas of service; and new, exciting, increasingly diverse

projects to tackle. Employees celebrated their own personal milestones this year as they do every year and the holiday party reflected everyone's individual exuberant spirit.

The venue was conveniently located in the geographic middle of the three KC offices, allowing for easy travel for KC employees and their guests. Transportation from the Suffern train station to the venue was provided for the NYC employees.

Here's looking forward to next year! φ

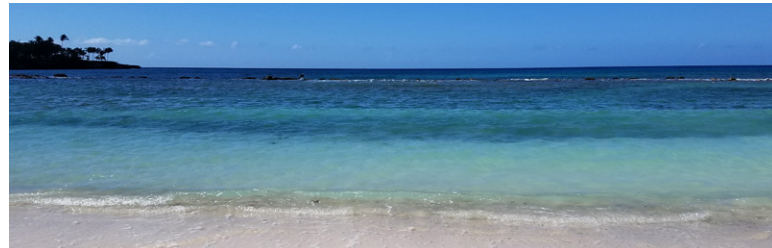




# KC ABROAD

*Work-life balance is of the utmost importance at KC. As one of the company's many benefits, KC offers a generous Paid Time Off (PTO) and Flex Time policy to its employees. Read on for a selection of excursions that KC employees took this past year.*

Marketing and Proposal Manager **Alyssa Watkins** went to the Dominican Republic in April. Her friend was selected for an all-expenses paid vacation and chose Alyssa as her guest, and they spent the week relaxing and exploring.

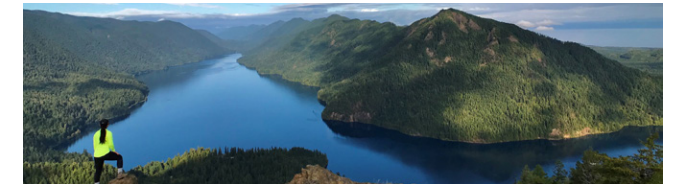


In December, Civil Engineer **Moses Vincent Agare** went to Sirembe, Kenya to celebrate his graduation with his family and friends. As the first person in his family to earn a college degree, celebrating this achievement was a momentous occasion.

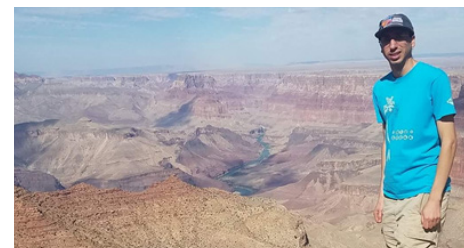


Civil Engineer **Caleb Stevens** took a week in Switzerland this past Autumn. When he wasn't working from abroad during the work week, he was out exploring with his wife, who is a Swiss citizen.

Civil Engineer **Melinda Kwok** and her boyfriend are big fans of hiking, especially at National Parks, making a point to visit some each August. This August, they went to Washington, Oregon, and northern California to visit five National Parks.



Survey Manager / Vice President **Dave Baker, P.L.S.** is an avid biker. In June, he met up with his friend in the Black Hills of South Dakota and spent a week riding the length of the 109-mile Mickelson Trail and about 200 miles of local roads.



Controller **Joshua Brooks** traveled to Grand Canyon National Park in October.



Civil Engineer **Neel Patel, P.E.** traveled to Mexico in June and swam with whale sharks. In September, he observed the Milky Way above Mount Rainier.





# PROFESSIONAL DEVELOPMENT

KC offers summer internships as a valuable professional development opportunity for undergraduate students.

Interns are recruited at career fairs and invited to intern in our offices under the supervision of experienced KC staff, gaining hands-on experience over the course of the summer in the process. To thank the interns for their hard work and wish them well in their upcoming Fall semester at school, KC throws them a party with a catered lunch. Staff are invited to join as well for a proper sendoff. ϕ

## NEW YORK CITY



Engineering interns Alexei Ohotin, Gianna Arata, Abdullah Yousef, Nicole Feledy, and Matt Mullan

## POUGHKEEPSIE



Engineering intern Andrew Graham and surveying intern Kayla Bocianowski

## CIRCLEVILLE



Engineering interns Robert Keddrell and Katherine Santic-Centorcelli



Look for our booth at a future career fair at your school to discuss internship and job opportunities!



# AWARD TOUR

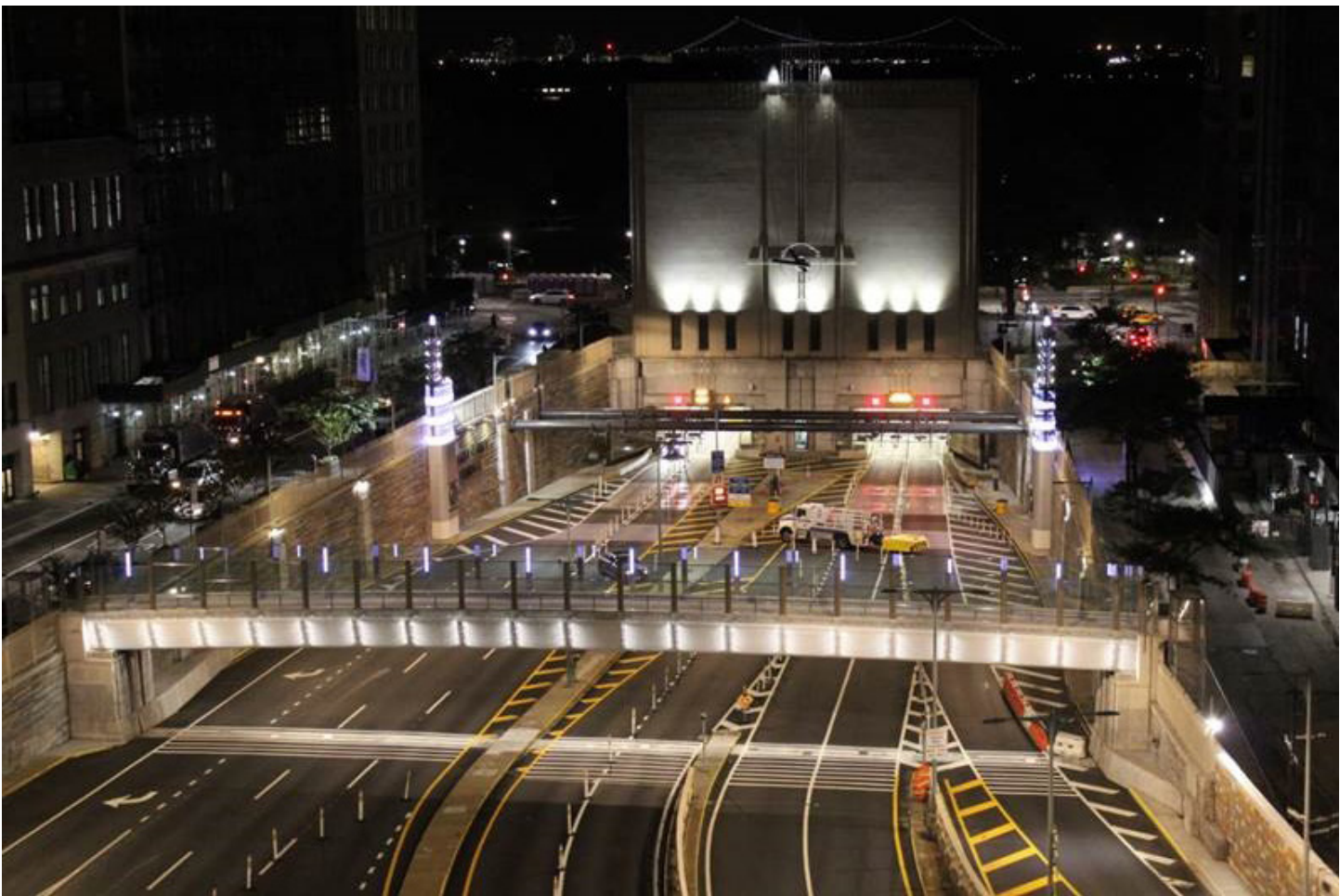


One of KC's recent projects, the Morris Street Pedestrian Bridge Reconstruction, won the 2020 ACEC New York Platinum Award in the category of Category I: Special Projects after adjudication by a panel of industry experts.

This project involved the replacement of the pedestrian bridge, which used two steel columns, with one that spans the roadways entering the Brooklyn Battery Tunnel. KC provided electrical engineering design, including the power service and distribution, electrical panel layout and circuit layout for bridge lights, and over-height sensing equipment and platform lifts.

Other new features of the bridge include glass panel fencing, handrail and fence post embedded lighting, architectural dimmable and color-changing fascia lighting, dimmable and color-changing under-bridge lighting extending the full bridge length, digital signage, a vehicle over-height detection system, and a heat trace system covering the entire pedestrian bridge and stairs for automatic snow melting. The new lighting design and sensing equipment enhance pedestrian safety and the overall aesthetics of this highly visible pedestrian bridge in busy downtown Manhattan.

Congratulations, Team! ϕ





# PROJECT HIGHLIGHTS

*KC utilizes our time-tested and dedicated multi-disciplinary approach on all projects, which has resulted in a consistent flow of new work for the company.*

KC's diverse worklog demands meticulous attention to detail, and our highly capable staff is always ready to rise to the occasion.

**NEW AWARD: DPW01-19: Orange County Construction Inspection Term Agreement 2019-2024:** KC was awarded this Construction Inspection Term Agreement with the County of Orange on an as-needed basis for various construction projects that could include site construction, building renovation and/or construction, bridge rehabilitation and/or replacement, dam rehabilitation and/or replacement, roadway construction and placement of asphalt pavement, concrete curbing and sidewalk installation, gas main installation, sewer and water main installation, boring and jacking of sleeves across county roads, and/or sanitary sewer collection and treatment system improvements. The extensive experience and expertise of KC's inspection staff make us a perfect choice for any variety of inspection work that Orange County has on the docket.

**NEW AWARD: DCP-72-19: Dutchess County On Call Professional Land Surveying Services:** KC

was chosen by Dutchess County to provide on call surveying services in 2020, with the possibility for extension. KC has a highly qualified survey team located in the heart of the City of Poughkeepsie, the Dutchess County Seat. With added support from KC's CIR survey staff, KC is well-positioned to offer excellent survey services to Dutchess County in 2020 and, hopefully, beyond.

**NEW AWARD: D037949, PIN S119.13: Regional Design Services Agreement (RDSA) Region 8:** This newly awarded RDSA adds to the multitude of projects that KC has been awarded with NYSDOT. KC, as 20% of the Creighton Manning team, will be providing design survey / mapping and bridge design services in the NY counties of Columbia, Dutchess, Orange, Putnam, Rockland, Ulster, and Westchester for the next 5 years.

**NEW AWARD: CY-XS-0001-20: Various Professional Engineering and Related Services for Somerset County for the Year 2020:** KC was selected to provide professional engineering services for Somerset County in 2020 in the categories of engineering / design services

KC staff Jim Terwilliger and Liam Regan review the then-newly installed Town of Wallkill Sludge Dewatering equipment, designed by KC.



for the replacement or rehabilitation of various types of bridges; engineering / design services for the reconstruction of roadways; and bridge and roadway inspection services, including construction engineering and integrity inspections. Our team of structural and civil engineers, as well as our inspection staff, are dedicated to responsive and quality service and are equipped to serve Somerset County's engineering needs.

**RENEWED AWARD: Town of Wallkill Engineering Services 2020:** The Town of Wallkill chose to renew their agreement with KC to provide engineering services throughout 2020.

**RENEWED AWARD: Tri-Municipal Sewer Commission (TMSC) Engineering Services 2020:** The TMSC chose to renew their agreement with KC to provide engineering services throughout 2020.

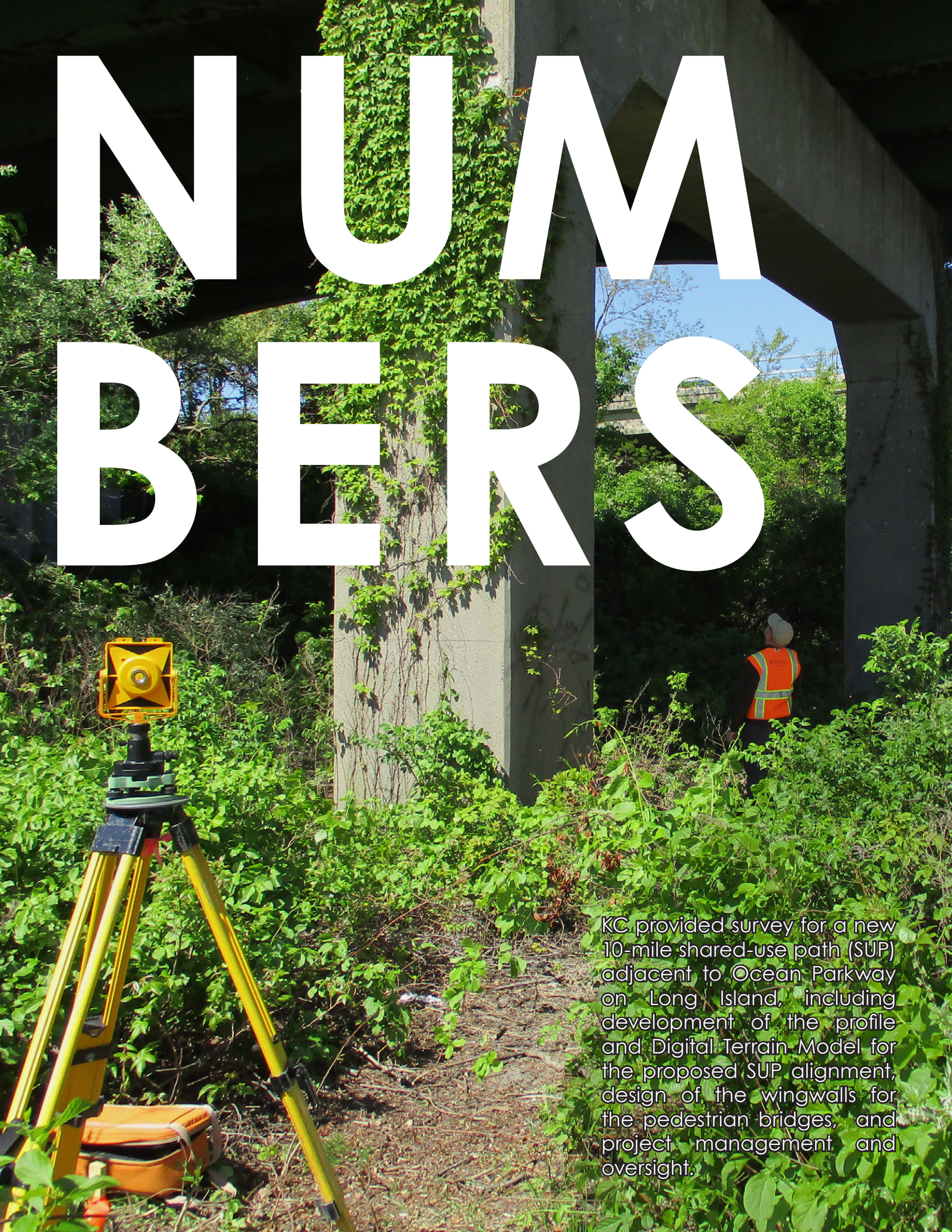
**RENEWED AWARD: Town of Bethel Engineering Services 2020:** The Town of Bethel chose to renew their agreement with KC to provide engineering services throughout 2020.

**RENEWED AWARD: Town of Milan Engineering Services 2020:** The Town of Milan chose to renew their agreement with KC to provide engineering services throughout 2020.





# NUMBERS

A surveying instrument on a tripod in a field with a worker in the background.

KC provided survey for a new 10-mile shared-use path (SUP) adjacent to Ocean Parkway on Long Island, including development of the profile and Digital Terrain Model for the proposed SUP alignment, design of the wingwalls for the pedestrian bridges, and project management and oversight.

41

***New opportunities awarded in 2019***

KC continually wins new jobs thanks to our qualifications and our leadership.

4

***Municipalities where KC is the Municipal Engineer***

We take pride in serving our clients, especially when it benefits our local communities and residences.

156

***Proposals submitted in 2019***

KC's project managers, in tandem with the marketing group, produce a steady stream of new proposals, keeping KC at the forefront of the industry.

135

***KC employees***

KC's staff is comprised of engineers from many disciplines, land surveyors, inspectors, and administrative staff.

3

***KC offices***

KC is currently located in New York, NY; Circleville, NY; and Poughkeepsie, NY.

1,000+

***Milestones completed in 2019***

Project milestones, sometimes called "tasks," define key developments. KC works to complete all projects on or ahead of schedule.

3

***Career positions currently listed on KC's website***

There are plenty of opportunities to join KC, and new ones are always being added. Visit our website's career page at [www.kcepc.com/careers](http://www.kcepc.com/careers) to find out more.