

BIANNUAL KCE NEWSLETTER



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2023



Engineering and
Land Surveying, P.C.

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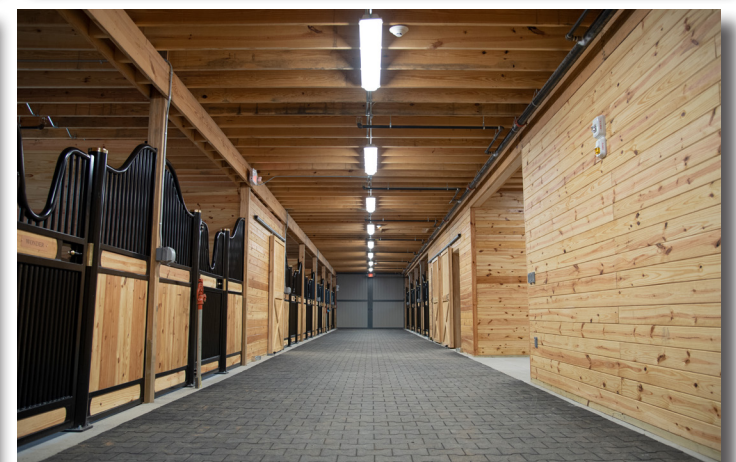
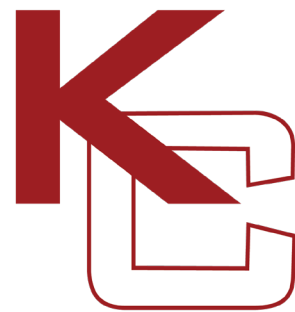
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「A LETTER FROM RAJ RAVILLA」

Happy New Year to KC family and friends. I hope you had a nice and restful holiday season and start to the year.

There is no denying that 2022 was a difficult year for our industry. Rising costs and interest rates, supply chain bottlenecks, labor shortages, and a host of other macro issues compounded to create one of the most challenging economic environments for the architecture, engineering, and construction (AEC) industry in over a decade.

However, despite these significant headwinds, I am optimistic that 2023 will be better. Looking at the big picture, there are many valid

reasons for optimism: Federal and New York State funding for infrastructure will continue to proliferate throughout our industry, providing funds for critical projects in our region. Our expertise will prove to be a good fit for many of these projects, and KC will pursue.

The quality of KC's work is consistently excellent, a characteristic that agencies have come to expect from us. Our commitment to the ISO Quality Management System has served us well: continuous improvement continues to be a cornerstone of what we do. Our openness to new and improved methods has led to more effective ways of operating. Additionally, KC fosters a culture of open and



KC is well-positioned to continue in our success

effective dialogue within our project teams and with our clients. This company culture is conducive to creativity and efficiency and has greatly contributed to our success.

KC is well-positioned to continue in our success due to our hard work and collective, diverse experience. Our willingness to think outside the box has resulted in inroads into new agencies and areas of service: we have won several new and important projects outside of our most frequent areas of service and have also opened ourselves up to work with new agencies in the future. KC continues to expand our capabilities, having expanded our Construction Inspection / Construction Management group throughout 2022. Additionally, the opening of our Albany office will result in more work for the company in the Capital District.

Furthermore, 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. Personal achievements abounded in 2022 as well, and I am excited to highlight employee achievements that occur outside of our office walls in this newsletter.

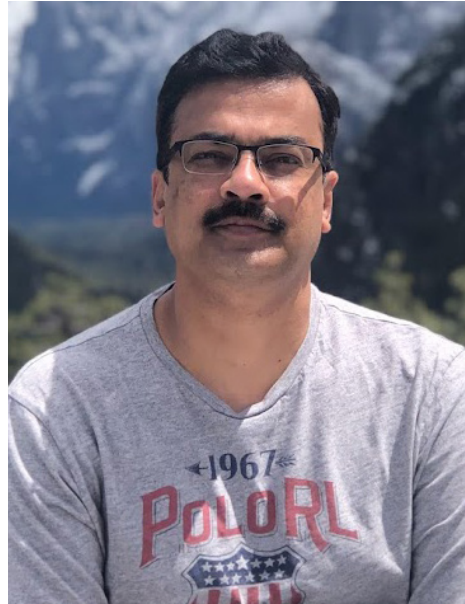
It's sometimes easy to forget that our company performs a critical service to the public; there is no question that our work is a net societal good. I believe that tougher times frequently result in innovation from the best and brightest, and KC is always ready to rise to the occasion. I look forward to seeing how KC meets these industry challenges with enthusiasm in 2023.

I wish you the utmost success in the new year.

-RAJ

「MILESTONES」

Today and every day, we
celebrate our employees.



15

RAGHU MANNEPALLI SR. ENGINEERING AUDITOR

Raghu celebrated 15 years with KC in October. As Senior Engineering Auditor at the New York City Department of Environmental Protection (NYCDEP) Office of Engineering Audits (OEA), he evaluates the quality and progress of the work, ensuring that payment requests are justified, that contractual obligations are fulfilled, and that the City receives appropriate value under the contract terms. He also serves as KC's IT Manager, helping KC employees with all their technology-related needs.



10

RAM SHARMA, P.E., ENV-SP SR. ASSOCIATE / PROJECT MANAGER

Ram has been with KC for 10 years as of this past November. An experienced structural engineer, he has experience designing a wide variety of structures including bridges, elastomeric bearings, concrete slabs, box culverts, culvert footings, retaining walls, and temporary construction supports. Ram has been Lead Structural Engineer on some of KC's most important projects, including I-95 Resurfacing, East Midtown Greenway, and Bridge NY Culvert projects.



10

MILLAN PATEL CAD MANAGER

Millan marked 10 years with KC this past October. Our resident CAD expert, Millan has been involved in many aspects of roadway and highway design including drainage, highway geometry, utilities, superelevation, roadside appurtenances, stopping sight distance, site grading, permitting, and work zone traffic control (WZTC). He is also experienced in the design of interchanges and pavement, erosion and sediment control, cost estimation, and hydraulic / hydrologic analysis.



10

BOBBY DAHIT, P.E., ENV-SP ASSOCIATE / PROJECT ENGINEER

In the ten years that Bobby has been with KC, he has applied his knowledge of fluid mechanics, hydrology, structural analysis, steel structural design, concrete structures, foundation and geotechnical engineering, and transportation engineering to some of KC's most important projects. Having earned his P.E. license last year, Bobby was promoted to Associate / Project Engineer and now oversees a team of civil engineers at KC's Hudson Valley office.



**RAY ABBIATICI, P.E., ENV-SP
ASSOCIATE / PROJECT ENGINEER**

In July 2022, Ray marked 5 years with KC. On Cashless Tolling, one of KC's biggest projects of the last few years, Ray excelled as Design Production Manager (Structures / Special Systems), where he led the design group for steel gantry structures and utility buildings and coordinated structural and utility design plans for 55 independent sites to meet the schedule.



**COLLEEN O'DONOVAN
HR MANAGER**

In the 5 years she has been with KC, Colleen has worn many hats, starting as a Project Accountant before being promoted to HR Manager. In addition to her HR duties, she works as KC's Corporate Compliance Officer and Contract Administrator, overseeing contracts, sub agreements, insurance policies, and ethics training.



**VIJAY LALCHANDANI, P.E., DBIA
QA / QC MANAGER**

Vijay joined the KC team last February, bringing with him 35 years of experience providing electrical engineering and design services for complex, large-scale projects. He is adept at developing electrical solutions for transit and transportation initiatives. He has also served in several leadership roles for New York City Transit (NYCT).



**PETER BANTA, CPA
PROJECT ACCOUNTANT**

Peter holds both a B.S. and M.S. in Accounting and is experienced in GoFileRoom, GoSystems, TaxSlayer Pro, QuickBooks, Ultra-Tax, Accounting Creative Solutions, and Creative Fixed Assets. He continues to expand on his accounting experience, having earned his Certified Public Accountant (CPA) license last year.



**CONSTANCE LAM
PROPOSAL COORDINATOR**

A graduate of Pennsylvania State University and Rutgers University, Constance joined KC in the Newburgh office this past July as a Proposal Coordinator. Constance's background in Communication and Health Administration allows her to seamlessly integrate with the Marketing department and produce quality content for KC.



**BANU TEJA VADDI
STRUCTURAL ENGINEER**

Banu joined KC in July. He holds a B.S. in Civil Engineering from VNR Vignanajyothi Institute of Engineering & Technology and is a recent graduate of Cleveland State University with an M.S. in Structures and Foundations. Additionally, he has 3 years of hands-on field experience as a site civil engineer and is skilled in Autodesk and MicroStation.



**NARAYANAN MENON, E.I.T.
SR. ENGINEERING AUDITOR**

Narayanan, who goes by Nick, joined KC in March and has 50 years of experience in the infrastructure, transportation, commercial, process, and power industries. He has high-level experience performing engineering and project management of industrial, commercial, water, infrastructure, and power projects.



**BRIAN FALKENA
PROJECT ACCOUNTANT**

Brian became a KC employee in April, and in that time he has put his four years of client-facing accounting experience to good use, handling select project billing of the company and coordinating with project managers. He is proficient in Microsoft Office, CaseWare, Accounting CS, Fixed Assets CS, UltraTax, and QuickBooks.



**TIMOTHY CONWAY, P.E.
DIRECTOR, ALTERNATIVE PROJECT DELIVERY**

Tim, who joined KC in May, is a design-build expert, having overseen the beginning of the design-build programs for both the New York State Department of Transportation (NYSDOT) and the New York State Thruway Authority (NYSTA). He is knowledgeable on principles adopted for design-build from an owner's perspective based on lessons learned.



**MOHAMED SELIMAN
INSPECTOR**

Mohamed joined KC with eight years of experience providing field engineering and inspection services for major paving operations and bridge replacement. His technical competencies include asphalt and soil testing and inspection, concrete cylinder field and plant inspection, and as-built drawing review, among other items.



**BRETT WILLIAMS, P.E., ENV-SP
PRINCIPAL**

Brett joined the KC team in September, bringing with him over 32 years of experience overseeing all phases of construction management and design for capital improvements and major infrastructure projects. He most recently served as Director, Office of Construction Management at NYSTA, overseeing 500+ major projects.



**PAUL MARKS
SR. ENGINEERING AUDITOR**

With over 35 years of experience providing engineering auditing and construction-related services for multi-million-dollar construction contracts in the New York metropolitan area, Paul has been a valuable addition to the KC NYCDEP OEA team. He previously served as Senior Auditor at the NYCDEP OEA for 20 years.



NEW

**MUSFIQUR RAHMAN
OFFICE ENGINEER**

Musfiqur became a KC employee in December and has 20 years of experience providing resident and office engineering and detailed inspection services for reconstruction of sanitary and storm sewers, water mains, and appurtenances; installation of sidewalks, curbs, and pedestrian ramps; and other incidental traffic work.



NEW

**ERICH DESUZA
COMMUNITY LIAISON**

Erich recently joined the KC team, having worked as Community Construction Liaison on many projects in the past, where he has communicated with stakeholders, resolved complaints, and initiated investigative procedures as needed to ensure compliance with requirements and agency and community expectations.



NEW

**CHINTAN VOHRA, E.I.T.
STRUCTURAL ENGINEER**

Chintan was an intern with KC in the summer and fall, and just joined KC full-time. Chintan successfully completed his FE Exam this year, and plans on taking the PE exam this year as well. He holds a B.S. in Construction Technology from CEPT University and an M.S. in Civil Engineering and Engineering Mechanics from Columbia University.



RETURNING

**MAHMOUD TARAWNEH
SENIOR INSPECTOR**

Mahmoud rejoined the KC team in December. He has 12 years of extensive experience in inspection, including preparing cost estimates and inspection reports, monitoring on-site activities, managing the completion of infrastructure projects, maintaining audit reports, and developing as-built and shop drawings.

**MARTIN WHITE, P.E.
QUALITY MANAGER**

As a Quality Manager on several complex infrastructure projects, Martin has been responsible for reviewing project deliverables to ensure that work was performed in accordance with applicable design codes, requirements, and ISO 9001 quality standards. He has also worked as Director of Construction for NYSTA and as a Resident Engineer.

**MICHELE CHEN, E.I.T.
STRUCTURAL ENGINEER**

A recent graduate of Cornell University with a M.Eng. degree in Structural Engineering, Michele joins KC with lots of hands-on experience, including as an Intelligent Transportation Systems Intern at the Federal Highway Administration (FHWA) and an Analyst Intern at NYSDOT. She received her E.I.T. certification in 2021.

PROFESSIONAL MILESTONES

Congratulations to all!

Promotions / Organizational Changes

Bobby Dahit – Promoted to Associate / Project Engineer
Yogendra Gauchan – Promoted to Senior Structural Engineer
Michael Tamigi – Joined CI Team as QA / QC Engineer and IT support
Aliyah Thomas – Promoted to Marketing and Proposal Manager

DBIA

Amr Hafez, Vijay Lalchandani, Rajashekar Ravilla, Joseph Zacharia

EIT

Andrew Tracey, Chintan Vohra

ENV-SP

Raymond Abbiatici, John Bolger, Kelli Capka, Nancy Clark, Bobby Dahit, Douglas Edwins, Amr Hafez, Nathaniel Havener, Neel Patel, Rajashekar Ravilla, Ram Sharma, Michael Tamigi, Chakradhar Vallabh, Brett Williams, Jamil Yousef, Joseph Zacharia

FAA Remote Pilot License

Michael Tamigi

ISO 9001:2015 Lead Auditor

Ahmad Awan, Nancy Clark, Decire Gonzalez, Amr Hafez, Vijay Lalchandani, Rajashekar Ravilla, Michael Tamigi, Aliyah Thomas, Evan Thomas, Martin White, Brett Williams, Jamil Yousef, Joseph Zacharia

Professional Engineer

Raymond Abbiatici, Bobby Dahit, Douglas Edwins, Yogendra Gauchan



PERSONAL MILESTONES



QA / QC Manager Vijay Lalchandani, P.E., ENV-SP, on June 8, 2022, gave a 4-hour class to 25 attendees on Grounding for Continuing Education Credits (4PDH) at Metropolitan Transportation Authority (MTA) / New York City Transit (NYCT) Headquarters. He plans to give this class to others to increase safety awareness culture as an ongoing collaborative effort on the DBIA process of execution, sharing, and training to meet OSHA regulations and minimize project impacts to schedule and costs due to accidents, claims, or delays.



Survey Manager Dave Baker, P.L.S. rode his bicycle from Middletown, NY to Richmond, VA for a family affair back in September. 500+/- miles, 7 days, and four states one way.



Senior Associate / Project Manager Julian Llorente, P.E., P.T.O.E. and his wife bought a house.



Marketing and Proposal Manager Aliyah Thomas adopted an adorable kitten named Shelly back in June.

Additionally, Associate / Project Engineer Ray Abbiatici, P.E., ENV-SP worked with the SEAOSC Concrete and Sustainability Committee to publish a white paper on the **Embodied Carbon Reduction potential of Portland Limestone Cement** and graduated from the UCLA Samueli School of Engineering with an MS in Structural / Earthquake Engineering.

Congratulations to all!



HOLIDAY PARTY 2022 NYC, HV, AND DEP

As 2022 drew to a close, KC employees celebrated another excellent year by enjoying a holiday lunch.

As has become tradition, KC organizes a KC-sponsored event at the end of each year to eat, be merry, and celebrate the success of the previous year. It is one of many ways that KC shows employees that they are appreciated, and gives employees the chance to reflect upon the events of the previous year.

Employees celebrated the achievements of the company as well as their own personal milestones of the past year as they do every year. It is always important to take stock of your achievements and experiences from the past year, and what better way to do so than with your KC colleagues?

Here's looking forward to next year! ☺



PERSPECTIVE: DESIGNING SAFER ROADS



The United States of America is a nation of cars. 86% of miles traveled are in passenger vehicles, with the rest coming from another form of transportation. Americans own more vehicles per capita than any other country on earth, with 865 vehicles per 1,000 Americans.

Unfortunately, driving a vehicle can be a dangerous affair and traffic accidents are a persistent issue. Cars were responsible for the deaths of 42,915 people in 2021, up from 38,824 the year before and 36,355 in 2019. While traffic accidents and deaths have decreased on average since the turn of the century, it has not been at the rate as other countries with similar per capita accident rates. The increase of 10.5% in traffic fatalities between 2020-2021 is the highest year-over-year increase since 1946. That is concerning. One major issue is car-on-pedestrian accidents, which continue to increase at an alarming rate. Unfortunately, pedestrian deaths have increased 62% nationwide since 2009. These horrifying trends must be reversed.

Of course, opting for public transit makes it very unlikely that you'll be involved in an accident. Despite recent headline-grabbing tragedies

on the New York City subway, there is only around one violent crime or accident per million subway rides. However, not everyone is fortunate enough to live within the service area of one of the oldest, longest, and most efficient rapid transit systems in the world. But still, it's an interesting thought experiment to compare your safety odds when taking the subway to driving a vehicle: 77% of drivers have been involved in an accident in a vehicle and there are over six million accidents each year in the United States. The odds of dying in one of these car accidents is 1 in 107. Whatever your reason for driving instead of taking another form of transportation, the United States of America continues to be a nation of cars and the importance of traffic safety cannot be overstated.

There's much we can do as individuals to reduce the likelihood of being involved in an accident. Attentiveness is key: always be aware of your surroundings and never drive under the influence. Wear your seatbelt. Additionally, always drive at the speed limit, drive defensively, and drive with respect for your fellow travelers. Taking a traffic safety class once every few years can be incredibly

beneficial (and possibly lower your insurance costs!).

Some municipalities around the country have taken matters into their own hands and adopted Vision Zero, which is an international framework for completely eradicating traffic deaths and injuries. Of course, this is easier said than done. Indeed, there are many municipalities that have declared Vision Zero that have failed to make material improvements, therefore amounting to nothing more than lip service from those in charge. However, as ambitious as Vision Zero is, there are several cities that have had success with Vision Zero, including in our own backyard. New York City adopted Vision Zero in 2014, and in the 10-year period between 2010 and 2020, traffic fatalities dropped by 19% while the National rate rose 8% during the same period. In 2022, as part of the mayor's mission to become America's safest big city, the City committed \$904M over 5 years for street safety and public transportation infrastructure, demonstrating that their commitment to Vision Zero is very real. This includes improvements to 1,000 intersections, including raised crosswalks and other visibility and pedestrian focused measures. Additional improvements include redesigns of open streets, bus lane, and bike lane improvements.

But is it even possible to get to zero, especially with the national accident rate still rising? For the answer to this question, we don't need to look very far. Jersey City, sometimes called the sixth borough of New York City (much to the chagrin of some Jersey City residents), was the first city in New Jersey to adopt Vision Zero back in 2018. In 2022, they achieved something that might have once seemed impossible for a city of its size and density: Zero traffic deaths for an entire calendar year.

This wasn't a fluke. Jersey City put in the work to make Vision Zero a reality. They

started with incremental changes, such as raised crosswalks and speed bumps. Then, they moved on to bolder undertakings. For example, St. Pauls Avenue is frequently inundated with traffic trying to avoid the busy roadways of Route 139, Route 1&9, and the Tonnele Circle interchange. Local residents complained frequently about dangerous driving in this area, an area that also features high pedestrian traffic. In 2021, Jersey City installed speed bumps and a Rectangular Rapid-Flashing Beacon (RRFB) on St. Pauls Avenue. Then, in 2022, Jersey City tried something bold to meet their vision: a pilot program was undertaken to place temporary roundabouts on St. Pauls Avenue for one week. They collected traffic data both before and after the pilot program and found that speeds came down 10% and safety improved. The public was polled after the fact, and it was found that the public was greatly in favor. Jersey City stumbled into a way of rapidly improving infrastructure to make roads safer for everyone while still engaging the community.

After the success of this pilot program, Jersey City began pursuing other pilot programs. These pilot programs contrast with one of the most common methods of community engagement: a community meeting. Community meetings have their positives, of course; it's a tried-and-true way to solicit opinions from the community before major infrastructure improvements are undertaken. However, community meetings can miss underserved communities and working people due to their very nature: they can be at inconvenient times and not effectively marketed. People can be resistant to change, especially in their own communities, and these particular individuals can frequently be the loudest at community meetings, muddying prevailing public opinions on the matter. Pilot programs allow the public to see

the possibilities first-hand before final decisions are made. To further improve safety, Jersey City also experimented with vehicle-restricted areas, protected bike lanes, and more.

As Jersey City and countless other locales around the world have demonstrated, roundabouts in particular are very effective ways for improving road safety. In fact, compared to traditional intersections, roundabouts result in 39% fewer accidents, 76% fewer injuries, and 90% less fatalities. The reasons being that they naturally reduce traffic speeds; minimize head-on and t-bone collisions; effectively allow safe U-turns for vehicles, as drivers can simply go around the roundabout and exit where they entered; and create less opportunities for vehicle-on-pedestrian impacts. Roundabouts also have the added benefit of saving drivers gas and reducing vehicle emissions as there is less time spent idling than if you were stopped at a stoplight. While it may feel as if roundabouts have always been a part of our roadways, 'modern' roundabouts with consideration for vehicle safety were only standardized in the late 1960's.

Modern innovations continue to present new opportunities for improving safety on our roadways. For example, the diverging diamond interchange is a relatively new innovation: the first in America opened in Missouri in 2009. Essentially, traffic on each side crosses over to the other side of the road, which decreases the number of clearance intervals needed for the traffic lights. The benefits to this relatively new design are numerous. The biggest benefit is that of safety; reduced conflict points reduce the opportunities for an accident to occur and reduced horizontal curvature can result in less rollovers. Additionally, two-phase, short

signals reduce the time that motorists are stuck at the interchange. Diverging diamond interchanges can also present cost savings.



The first ever diverging diamond interchange
Source: Missouri Department of Transportation

There are over 150 diverging diamond interchanges operational in America with 80 more underway. Currently, there are two in New York State; the first opened in the Brighton neighborhood of Rochester in 2012, and the second opened in 2019 in the Town of Woodbury, less than 20 minutes from KC's Newburgh office! Of course, in addition to the benefits, a diverging diamond interchange has its drawbacks as well. They can only be effective at certain locations; however, every feasible option must be considered when improving road safety. Another variant of the diverging diamond interchange, a double crossover merging interchange, was patented in 2015 and reduces some of the drawbacks of the diverging diamond interchange such as the lane weaving, yet no examples of this interchange have been built.

As diligent and resourceful engineers, we have the unique opportunity to innovate and design safer roads to help mitigate the traffic accident epidemic. Roads should be designed with everyone's safety in mind, including pedestrians, cars, bicyclists, truck drivers, and public transportation, and countless different factors contribute to road safety. Access management is important to consider, which involves considering the entrance and exit areas for a road and how they relate to safety. High visibility crosswalks, curb extensions, appropriate lighting, and raised crossing islands can all contribute to pedestrian safety. A bunch of small improvements may not amount to much on their own, perhaps getting lost in the noise of traffic data, sometimes making it difficult to evaluate their effectiveness. However, a sustained, multi-faceted approach can yield safety dividends.

At KC Engineering and Land Surveying, P.C., we put quality and safety at the forefront, and we focus on innovation while still meeting all applicable standards. KC has senior engineers on staff with both NY and NJ PE licenses, and KC's traffic engineering experience includes the formulation and presentation of traffic impact statements, operational analysis, level-of-service (LOS) calculations, signal design and operational assessment, safety studies, implementation, maintenance, and more. We effectively and efficiently plan, design, and oversee intersection improvements, parking facilities, maintenance and protection of traffic (MPT) plans, highways, utility relocations, site lighting, driveways and other roadways, curbs, and sidewalks so that the outcomes not only provide for smooth transitions, but also for safer and cost-effective results. ϕ



KC ALBANY

A new space brings enhanced capabilities.

As KC Engineering and Land Surveying, P.C. (KC) continues to expand our capabilities and the needs of our clients continue to diversify, a decision was made by KC Management to open a new office in Albany, NY.

The new Albany office is located at 100 Great Oaks Boulevard, Suite 122, Albany, NY 12203. The Albany office is located just 2 minutes off Exit 24 on the Thruway, just off Route 20 near the Crossgates Mall. This centralized location is convenient for employees, clients, and visitors to KC, and serves as an effective home base for any Capital District work undertaken by KC Albany staff for clients. The office is led by KC Principal Brett Williams, P.E., ENV-SP. Brett is well-attuned to the infrastructure needs of the Albany area, having served in progressively responsible positions for the New York State Thruway Authority (NYSTA) and New York State Department of Transportation (NYSDOT) at their offices in Albany before joining KC.



KC has greatly expanded our office space recently: the new office in Albany was opened a little under two years after KC consolidated the staffs of the former Poughkeepsie and Circleville offices into a new office in Newburgh in October 2020. The Albany office features office space, several cubicles with seated / standing desks, a conference room, and a kitchenette. There is space set aside for KC employees from other offices to work should they visit the Albany office. The Albany office, in addition to the space afforded by the HV office, offers KC upstate staff scalability for expected future workforce growth.

As KC continues to grow, a wider geographic area for our offices enables us to provide proximity for a greater number of key projects, allowing us to continue providing our clients with high-quality work in the process. ϕ



PROJECT HIGHLIGHTS

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

NEW AWARD: Contract BA-2022-RE-XX-SU: System-Wide Construction Inspection Services, New York State Bridge Authority (NYSBA): KC, as a subconsultant, will provide inspection for various NYSBA projects, including, potentially, the following: the Mid-Hudson Bridge Overlay Replacement, Mid-Hudson Bridge Necklace Lighting Rehabilitation, Bear Mountain Bridge Tower Painting, System-Wide Pier Base Repairs, System-Wide Steel Repairs, and/or System-Wide Suicide Detering Fencing Installation.

NEW AWARD: Design-Build Contract 6000000680: JFK Central Substation #2, Port Authority of New York and New Jersey (PANYNJ): KC will provide a Quality Control Manager for design and construction quality control for this design-build project, which involves the construction of Central Substation #2; ensuring connectivity and compatibility of the new Central Substation #2 with existing PANYNJ facility management systems, buildings, terminals, and the cogeneration plant in conjunction with other airport substations; and providing an aesthetic consistent with the Central Terminal Area (CTA).

NEW AWARD: Surveying Services, New York City Department of Transportation (NYCDOT): KC, as prime consultant, will provide surveying services as required for new concrete construction projects known as Street Improvement Projects (SIPs), involving curb, sidewalk, traffic medians, roadway, etc. as designated by NYCDOT Sidewalks Inspection and Management (SIM).

NEW AWARD: Contract for Professional Landscape Architectural Design Services for the Expansion and Improvements of the

Bear Mountain State Park Picnicking and Gateway Arch, New York State Office of Parks, Recreation, and Historic Preservation (NYSOPRHP): KC will provide survey services as a subconsultant for this project, which includes expanded picnicking around the Bear Mountain play lawn, reconfigured picnicking to support larger table groupings at Hessian Lake, a destination playground, improvements to the path around Hessian Lake including shade structures, improved circulation throughout the picnic area, a new picnic shelter, and more.

NEW AWARD: Design-Build Contract C31392 / C31393: Indefinite Quantity Repairs to Miscellaneous Structural Steel, Concrete, and Masonry Components in all Boroughs of New York City, Metropolitan Transportation Authority (MTA): KC is the Lead Designer and Engineer-of-Record for this design-build project, which involves the design and construction of structural repairs at various locations throughout New York City Transit's (NYCT's) and Staten Island Rapid Transit Operating Authority's (SIRTOA's) subway systems in the five boroughs of New York City.

NEW AWARD: Contract D214890: Term Agreement for Highway Design Support Services - Albany and Syracuse Divisions, New York State Thruway Authority (NYSTA): KC was awarded this new term agreement for highway design support services in the Albany and Syracuse divisions as a subconsultant.

NEW AWARD: Contract D214892: Term Agreement for Highway Design Support Services, NYSTA: KC was awarded this new term agreement for highway design support services as a subconsultant.

NEW AWARD: Expert Professional Services for the Performance of a Condition Survey of Buildings 10, 30, 31, 100, 111, 116, 157, 185, 186, and 189 at Brooklyn, New York Marine Terminal, PANYNJ: KC, as prime consultant, will perform condition surveys of various buildings at the Brooklyn, New York Marine Terminal to ensure that the conditions of each building are thoroughly inspected, verified, and well documented. The purpose of these surveys will be to determine the condition of existing structures and identify any structural or non-structural deficiencies that might present potential safety hazards.

NEW AWARD: Contract CY-XS-0001-23: Various Professional Engineering and Related Services for Somerset County for the Year 2023: KC was selected to provide professional engineering services for Somerset County in 2023 in the categories of engineering / design services 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.

NEW AWARD: Design-Build Contract A37140: Americans with Disabilities Act (ADA) Upgrades at 13 Stations, MTA: KC will provide services as the Independent Quality Firm (IQF) on this project. KC will provide up to four Quality Assurance Managers and one ISO 9001:2015 Lead Auditor for the ADA upgrades at 13 stations, ensuring quality of work on this important MTA project.

NEW AWARD: Design-Build Contract 1000171020: Replacement of the Park Avenue Viaduct, Phase 1 RFP, MTA: KC will provide

quality management services for this design-build project, which involves the replacement of the Park Avenue Viaduct from Bent 21 to Bent 53 between the north side of East 115th Street to the south side of East 123rd Street along Park Avenue in Harlem, NY.

NEW SHORTLIST: Design-Build Contract D900056, PIN 3501.91: I-81 Viaduct, Phase 1, Contract 2 RFQ, New York State Department of Transportation (NYSDOT): KC was shortlisted on this design-build project, which will consist of the conversion of the section of I-81 between the southern I-81 / I-481 interchange (Interchange 16A) and the northern I-81 / I-481 interchange (Interchange 29) to Business Loop 81 (BL-81), and re-designation of the existing I-481 as I-81. ϕ





NUMBERS

26

New opportunities awarded in 2022

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

2

Municipalities where KC is the Municipal Engineer

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

103

Proposals submitted in 2022

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.

443

Milestones completed in 2022

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

114

KC employees

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

3

KC offices

The KC headquarters is located in New York, NY with regional offices in Newburgh and Albany, NY.