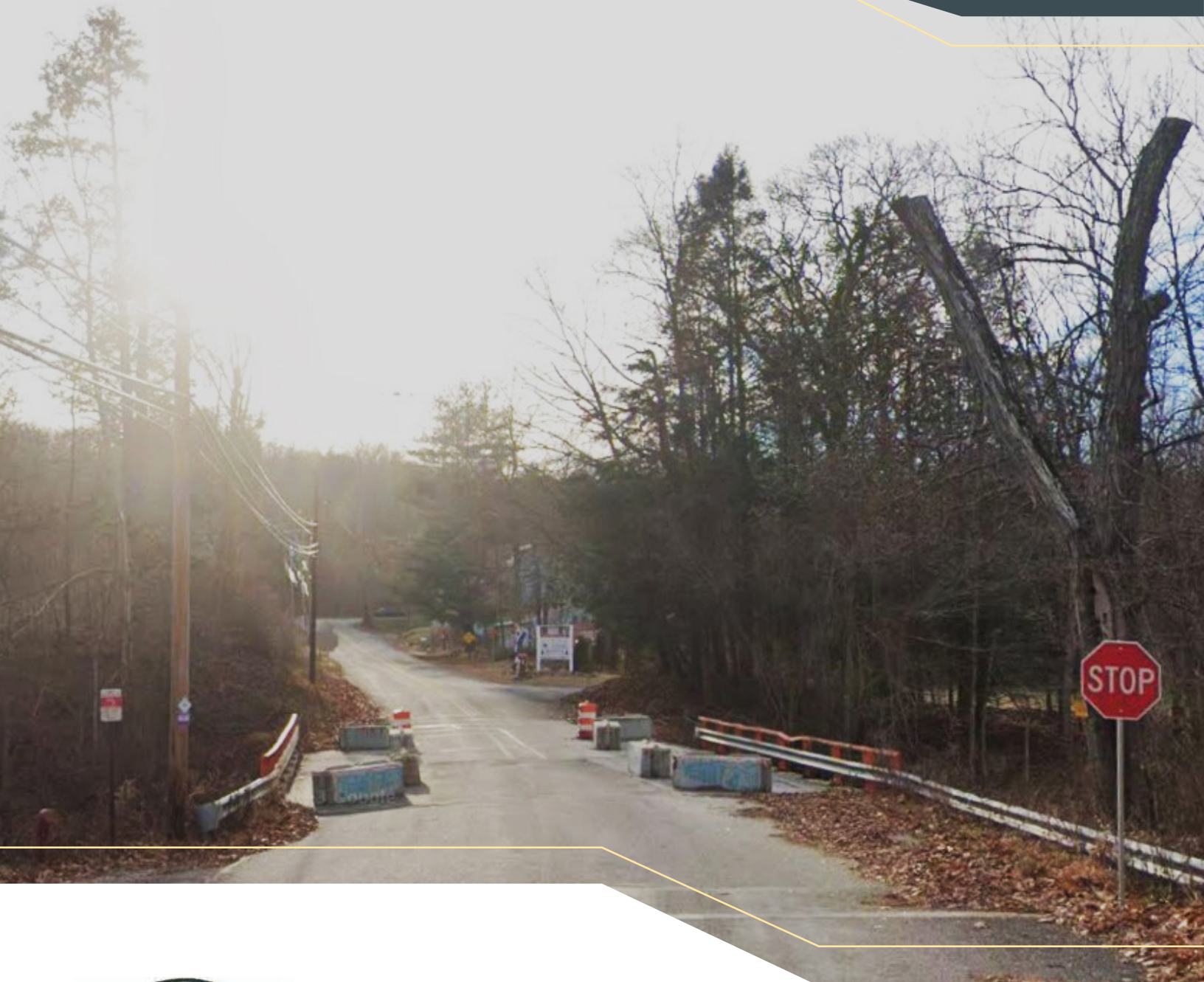


February 22, 2024



Town of Andover

Replacement of Bunker Hill Road Bridge Over Hop River

RFP AN-2024-25-01 | Project No. 0001-0106

Submitted By:

M&J ENGINEERING P.C.

"INNOVATIVE AND STATE-OF-THE-ART SOLUTIONS"



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February 22, 2024

Mr. Jeffrey Maguire, First Selectman
17 School Road
Andover, CT 06232**RE: RFQ Replacement of Bunker Hill Road Bridge Over Hop River**

Dear Mr. Maguire,

M&J Engineering, P.C. (M&J), is pleased to present our response to the Town of Andover's Request for Qualifications to provide Engineering Services to support the Replacement of Bunker Hill Bridge over Hop River. We recognize the value of this bridge rehabilitation to safety improvements and environmental sensitivity.

The level of service and insightfulness that will be brought to the Town of Andover project is the result of many years of working in a variety of neighborhoods on similar bridge inspection assignments. Furthermore, M&J is exceptionally familiar with the CTDOT Local Bridge Program, simplifying the project coordination and communication process.

To successfully respond to the unique demands of this project, we have strategically assembled a team of seasoned inspectors that will be led by a highly qualified Construction Coordinator. We will deliver this service sensitive to the needs and preferences of the Town of Andover and its community members, as well as the agencies involved in this infrastructure project.

The proposed team has been purposefully chosen to leverage the collective expertise that comes from a long history of excellence with the full range of Construction Engineering and Inspection services. M&J's Construction Coordinator, **Vlad Kaminsky, PE**, has over a decade of experience in transportation improvement projects including safety improvements, bridge rehabilitation, road and drainage improvements, and construction management. His efforts will be supported by our **Chief Inspector, Kyle O'Connor, P.E.** who has extensive experience within the construction industry, having worked on complex bridge and roadway projects for municipal clients as well as the Connecticut Department of Transportation.

Our team will be hands-on in administering this project in close partnership with Town of Andover. Our goal is not only to deliver an outcome to your highest satisfaction, but to inspire a productive, ongoing relationship with the Town beyond this effort.

Any additional questions or additional information regarding this proposal can be obtained through our Municipal Project Liaison via the contact information to the right.

Contact Information

Lynn DiGiovanni

P: (203) 650-559

E: ldigiovanni@mjengineers.com

Thank you for your consideration.

Jamil Miranda, PE
Senior Vice President

Why M&J?

For the last 20 years, **M&J Engineering, P.C. (M&J)** has been a leader in providing construction observation and inspection services for projects that support the betterment and economic vibrancy in communities throughout Connecticut. M&J's keen insight, deep technical bench, and nimble management structure enables us to consistently deliver high-quality, responsive service to our municipal and private clients regardless of the scope of the assignment. **We recognize that**

your success is our success. Therefore, our entire team, from our technical experts to administrative staff, is dedicated to working collaboratively with our clients to ensure that all expected outcomes are achieved to the highest satisfaction.

While we have the experience and resources of a larger company, we maintain the responsiveness and flexibility of a smaller service provider. This is particularly important to the provision of municipal engineering services. Our local client list includes the towns of Granby, Woodbury, and Weston, as well as the Connecticut Department of Transportation (CTDOT).

MANAGEMENT AND ORGANIZATIONAL CAPABILITIES

M&J's organizational capability is directly related to our ability to manage resources and employees effectively to gain an advantage over the work product of our competitors. Our priorities are organized around meeting the demands of our clients. Our capabilities improve the outcome of our projects and allow M&J to provide the best personnel for the delivery of the highest quality products. We are always striving to achieve innovative engineering and construction management and inspection solutions. The skills and knowledge of the M&J team are the results of training programs, education assistance, and effective recruiting to get the best and brightest personnel. Further, we have an excellent quality management team in place to help with the QA/QC of the work may it be studies, analyses, or drawings and specifications.

CONSTRUCTION MANAGEMENT AND INSPECTION

M&J specializes in all aspects of Resident Engineering, Construction Management (CM), and Inspection. Our CM staff has a long track record in the construction of new infrastructure and rehabilitation projects for transportation and environmental agencies and authorities including major and complex bridge, highway and road reconstruction projects, sewer and water installations, marina, wastewater and pump station facilities, tunnels, transit systems, communications, and security systems. Our staff has extensive experience managing projects funded through federal and state grant programs and understands the requirements and procedures to ensure our clients are reimbursed to the maximum extent possible. M&J provides a wide spectrum of Construction Phase Services including:

- Site Construction Management & Inspection
- Quality Control/Quality Assurance
- Special Inspections
- Condition Inspection and Evaluations
- Scheduling and Construction Estimating
- Community Outreach
- Value Engineering



M&J has a long and solid track record in providing Resident Engineering and Inspection services allowing us to deliver a project on time and within budget with good construction practices. Our staff's typical approach involves developing a thorough understanding of all aspects of the project, seeking out technical and/or material issues and risks that may impact its progression, and addressing these concerns before they become major problems.

M&J is aware that major infrastructure projects present numerous anticipated and unanticipated challenges. We have delivered many quality infrastructure projects safely, on time, and within budget. Our goal is to solve a problem before it occurs. Our extensive infrastructure experience allows us to anticipate an issue and provide a solution before it becomes problematic. Our staff includes strong Resident Engineers and Managers who have been there before and who can prepare and administer an effective project control system.



We vigilantly monitor construction for quality, compliance with design, safety, and protection of personnel. When it comes to safety, no one is exempt. Working in a safe manner and taking into consideration safety in all aspects of the work is paramount. One of the most important aspects of any project is to provide a safe working environment for employees, residents, pedestrians, and the traveling public. **Our approach to safety is simple: take a proactive role by planning and ensuring that work plans are considered and incorporated into the work well in advance.**

BRIDGE INSPECTION SERVICES

Ranging from small local structures to complex interstate and signature structures, M&J's experience includes an extensive array of bridge engineering projects. Using the latest best practices, advanced technology, and proven project delivery methods, we assist owners in ensuring safety, functionality, and viability of their infrastructure assets. Our team members are highly experienced and thoroughly understand bridge inspection protocols on the local as well as federal levels and the need to deliver the appropriate staff for all assignments. All of this helps them to move swiftly when called upon



to perform such tasks as standard-cycle-frequency inspections (Routine, Complex, FCM) evaluations. They are experienced in the safe operation of all types of under-bridge inspection units and self-propelled manlifts, coordinating such work, as necessary, with traffic control suppliers and railroad flaggers. M&J's speed in addressing client needs is aided, too, by the personal relationships that its bridge engineers have built with numerous vendors whose cooperation is critical to obtaining equipment when and as needed for the timely and seamless delivery of services.

Our services have ranged from the provision of team leaders and full inspection teams to complete project management on minor and major bridges, viaducts, elevated structures, culverts, and sign structures. We have strong credentials as both a prime and subconsultant on infrastructure inspection projects throughout the region. We believe in a collaborative interdisciplinary approach to problem solving to help ensure our solutions efficiently, practically, and functionally bring a bridge inspection project to completion.

SURVEY

M&J's Survey Group is renowned for utilizing cutting-edge Trimble Robotic Total Stations and Global Navigation Satellite System (GNSS) Receivers. Our expansive range of surveying services is delivered through the latest Trimble systems and software, ensuring precise and seamless workflows. Emphasizing accuracy, we employ rigorous quality control measures, making us a benchmark for precision and reliability in the industry. Our broad spectrum of surveying services includes:

- Topographic Surveys
- Boundary Surveys
- Construction Surveys
- Site Planning Surveys
- As-Built Surveys
- Route Surveys
- Geodetic Surveys
- Volumetric Surveys
- Hydrographic Surveys
- Subdivision Surveys
- Land Title Surveys
- ALTA/NSPS Surveys
- Engineering Surveys
- Environmental Survey
- Deformation/Monitoring Surveys

Our proficiency in utilizing advanced CADD systems allows for a seamless integration of comprehensive survey data into architectural and engineering designs, ensuring detailed, accurate, and industry-leading project outcomes.

ENGAGING STAKEHOLDERS

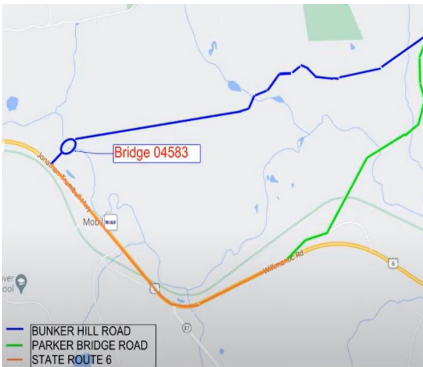
Our assignments routinely integrate affected stakeholders and the general community into the decision-making process. Whether through formal public participation programs or informal outreach, we believe that public engagement not only provides for the exchange of ideas, it plays an important role in achieving credibility. No one knows better than citizens who are living or working in a potentially affected area. The insight and honesty they bring to the table can be vital to the successful implementation of projects. Therefore, we welcome and value their contributions.

Project Understanding

The scope of work for this project is the replacement of Bridge No. 04583, originally constructed in 1960 and rehabilitated in 1988 when a third barrel was added. The bridge carries Bunker Hill Road over Hop River in the Town of Andover. The existing bridge handles 300 vehicles per day and has one lane of traffic in each direction. The bridge consists of triple Corrugated Metal Pipe (CMP) culverts with sand and gravel fill, and reinforced concrete headwalls, and concrete wingwalls. The total length of the existing superstructure is approximately 57 feet, and the curb-to-curb width varies from 27 feet to 31 feet at the east end where the road widens. The existing bridge deck suffered a collapse two years ago due to sink holes created by the loss of gravel fill washed out through perforations in the steel barrels of the culvert during several heavy storms. The existing culvert is in serious condition with random hollow areas and perforations along the steel arches, particularly along the normal flow level and the floor. The headwalls exhibit serious cracking. Therefore, this classifies the structure as Structurally Deficient and eligible for replacement.



Upon review of the project documents and following with a field visit, M&J has developed a clear understanding of the overall project scope and the detailed requirements of this project. The proposed project will consist of replacing the existing structure with a reinforced concrete box beam and reinforced concrete deck superstructure on pile-supported integral abutments found on piles to bedrock. The structure will have an 80-foot clear span and a 31-foot curb-to-curb width composed of two 12-foot travel lanes and two 3 1/2-foot shoulders. The deck will be a 6-inch minimum cast-in-place slab topped with waterproofing membrane and 3-inches of bituminous wearing surface.



The M&J Team realizes that to complete the bridge rehabilitation during one (1) Construction Season, a full closure of the bridge will be required. The proposed detour measures 5.4 miles and is approximately 11 minutes in length. The detour will utilize Bunker Hill Road, Parker Bridge Road, and Route 6 (Jonathan Trumbull Hwy/Willimantic Road). The Maintenance and Protection of Traffic (M&PT) for the project must be developed in accordance with the CTDOT Construction and Municipal Manuals and Manual on Uniform Traffic Control Devices (MUTCD). The Detour Plans require review and approval by the Town of Andover before the onset of any construction activity.

We understand that the Connecticut DEEP Freshwater Fishing Guide imposes special regulations that apply to the Hop River. This would be in accordance with the anticipated DEEP permits for this project for the protection of the Hop River and its aquatic life. Also, the overhead utilities may require temporary relocation prior to construction activities. **Our team will work closely with the Town on these tasks, which will enable us to avoid potential delays and minimize impacts to schedule, cost and protect these valuable natural resources.**

There are no insignificant details in bridge construction and therefore, M&J's Team always pays close attention to all details to ensure integrity of each element of the bridge and its approaches. M&J's

unique experience working on a variety of similar bridge rehabilitation projects within municipalities makes our Team prepared to provide The Town of Andover with high quality products.

M&J's experience is exemplified by our successful municipal bridge inspection projects for the Towns of New Canaan and Granby. Undertaking these endeavors, we demonstrated our adeptness in managing tasks within tight schedules and budgets. Despite the encountered challenges, **our proactive approach ensured that both projects were completed seamlessly within a single construction season and remained firmly within the allocated budget.** Additionally, we started this construction season successfully with the City of Stamford for the Replacement of Lakeside Drive Bridge over the North Stamford Reservoir. Our ability to navigate conflicts swiftly and effectively allowed us to maintain project momentum and deliver exceptional results for our municipal clients.

Project Administration: The Key to Success

Pre-Construction Period

M&J understands that to successfully administer this Project, our field personnel must be thoroughly familiar with the Plans and Special Provisions for the Project, the latest iteration of the CTDOT Municipal Manual and CTDOT Form 818, Supplemental Specifications, and the Town of Andover Standards. Based on our knowledge of these items, a record keeping system will be established for the project including tracking logs for RFI, RFC, submittals, and materials testing. During the pre-construction period, M&J will contact the Town of Andover, Contractor, CTDOT, and the respective utility companies (the TEAM) to collaborate and establish procedure/protocol that will be utilized by the TEAM throughout the project duration. Also, during the pre-construction period, M&J will request the selected Contractor to submit the baseline construction schedule for review and approval. The Pre-Construction Meeting with all parties involved will be scheduled at least two weeks prior to the date of meeting. The Pre-Construction Meeting agenda, draft of Notice to Proceed to Contractor, and Pre-Construction Meeting minutes will be completed and submitted to the Town of Andover Project Manager for approval in a timely manner. Public outreach and the coordination of all construction activities with the Town of Andover will play a crucial role in successfully completing the Project on time, on budget and to the highest satisfaction of the Andover community. We will work with the Town to identify key stakeholders and the best means of communicating with them. Our Municipal Liaison will initiate this activity during the pre-construction period, giving residents advance notice of project activity and an opportunity to express their concerns. A Work Zone Safety Meeting will be scheduled with the TEAM to discuss Maintenance and Protection of Traffic (M&PT) during construction. M&J will be well prepared to "hit the ground running" immediately following the Notice to Proceed.



Construction Period

Full coordination with the Town of Andover Project Manager throughout construction activities is necessary and will be provided. The Chief Inspector for this project will serve as the Town of Andover representative. Additionally, coordination with the MSAT Leader will be required for the verification of acceptable progress of work. Throughout the duration of the project, the Chief Inspector will be thoroughly involved in Project Administration. The Team's responsibilities will include but not be limited to:

- Working with the Town of Andover and Designer of Record in the process of reviewing the Contractor's shop drawings, working drawings, and other materials and product submittals.

- Ensuring that all work within the Project limits is performed in accordance with the Project plans and specifications.
- Maintaining Daily Activity Reports (DWR) in accordance with the CTDOT Municipal Manual and Town of Andover Standards.
- Reviewing monthly pay estimates submitted by the Contractor and ensuring that all payments generated are initiated only when all completed work has been verified and performed in accordance with the plans and specifications.
- Proactively coordinating utility relocation/adjustment within Project limits with respective utility companies and the Town of Andover.
- Verifying that all activities within the Project limits are performed in accordance with the Project's Limitation of Operations and the Town of Andover Standards.
- Reviewing and monitoring Contractor EEO and DBE requirements and alerting the Town of Andover and MSAT Leader of any potential issues.
- Preparing Construction Change Orders for review and approval by the Town of Andover and MSAT Leader with full documentation attached.
- Reviewing and verifying RFIs and RFCs for conformance to contract documents, which will be maintained and updated in a Tracking Log. (Transmittal of RFIs and RFCs to the Contractor shall take place only after approval by the Town of Andover)
- Upon Final Inspection, when the Project is deemed as "final" by the Chief Inspector, As-Built Drawings will be transferred to the Town of Andover and CTDOT.

M&J will take a lead role in discussing the procurement of materials and shop and working drawings review during the bi-weekly Progress / Design / Schedule Meetings. A Project Submittals Log will be updated regularly, and a copy will be promptly provided to the Town of Andover Project Manager. We will be proactive and work daily with the TEAM on all submittals, fabrication, delivery, and inspection to ensure that the Project is completed on time and on budget. The



Chief Inspector will perform Materials Testing, which is a significant part of the project. The Chief Inspector will ensure that all materials permanently incorporated into the Project will meet the CTDOT and Town of Andover Standards and all requirements of the Contract. To achieve this, M&J personnel will abide by the materials samples requirements as indicated in the latest CTDOT edition of the "Minimum Schedule for Acceptance Testing" and tests will be performed in accordance with the latest revision of the standard method of AASHTO and ASTM, and the Town of Andover Standards. The Chief Inspector will work with CTDOT Division of Materials Testing (DMT) to obtain approval of the source of supply for each of the materials specified in the Contract before commencing delivery of such materials to the Project site. All materials that require field testing will be tested in accordance with the DMT Quality Assurance (QA) Program of the "Material Acceptance and Assurance Testing Policies and Procedure," dated 2015. Field testing will be performed by the Certified Inspector and CTDOT Requests for Material Testing (Form MAT100) will be filled out and submitted to DMT for approval. A Materials Testing Log will be maintained and updated diligently throughout construction. Payments for completed work will be issued only if materials incorporated into the Project have been approved by DMT or other Materials Testing Laboratories approved by CTDOT and the Town of Andover.

ARCHITECT-ENGINEER QUALIFICATIONS

PART I - CONTRACT-SPECIFIC QUALIFICATIONS

A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*

Replacement of Bunker Hill Road Bridge Over Hop River (Andover, CT)

2. PUBLIC NOTICE DATE

1/24/2024

3. SOLICITATION OR PROJECT NUMBER

State Project No. 0001-0106

B. ARCHITECT-ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Jamil Miranda, P.E., Senior Vice President

5. NAME OF FIRM

M&J Engineering, P.C.

6. TELEPHONE NUMBER

C: 516.547.2905 | O: 203.680.0907

7. FAX NUMBER

8. E-MAIL ADDRESS

Jmiranda@mjengineers.com

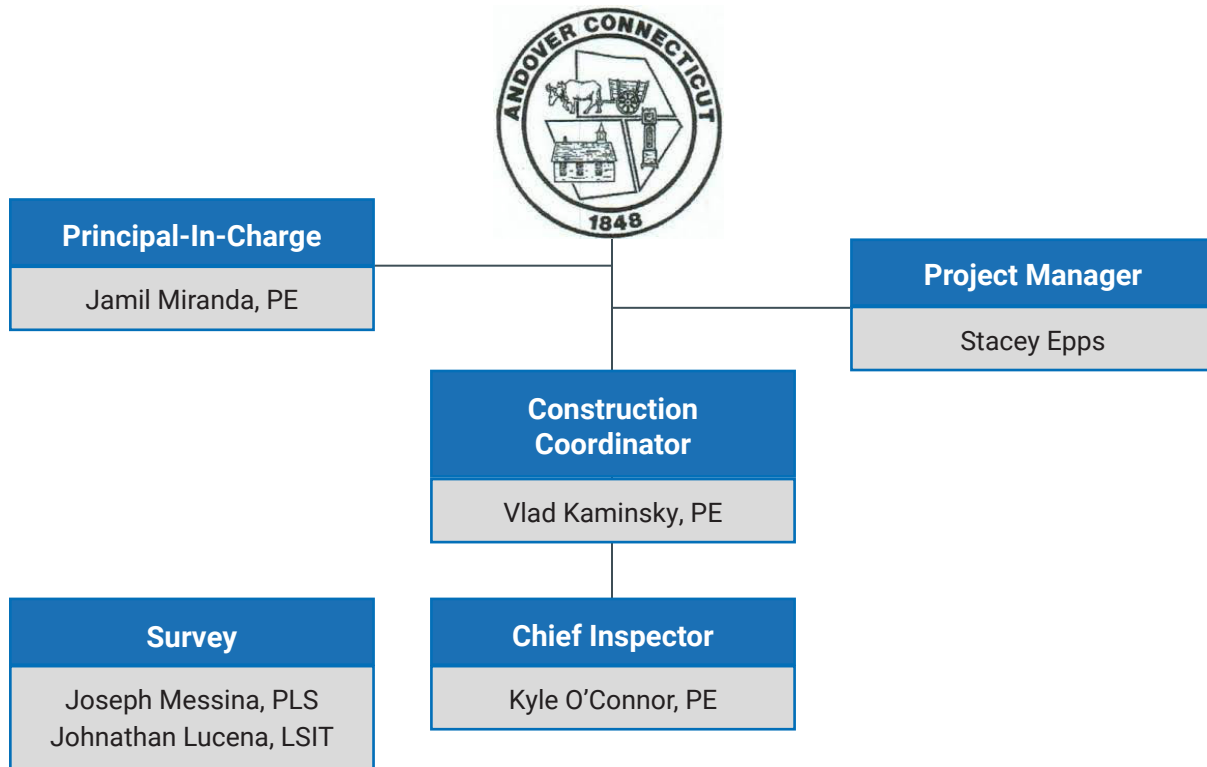
C. PROPOSED TEAM

(Complete this section for the prime contractor and all key subcontractors.)

	(Check)			9. FIRM NAME	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V PARTNER	SUB-CONTRACTOR			
a.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	M&J Engineering, P.C. <input type="checkbox"/> CHECK IF BRANCH OFFICE	116 Washington Avenue 2nd Floor North Haven, CT 06473	Construction Engineering/Inspection Services
b.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> CHECK IF BRANCH OFFICE		
c.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> CHECK IF BRANCH OFFICE		
d.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> CHECK IF BRANCH OFFICE		
e.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> CHECK IF BRANCH OFFICE		
f.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> CHECK IF BRANCH OFFICE		

Organizational Chart

To enable us to provide the most qualified professional staff in response to the needs of the project, we have assembled a team that collectively has the technical competence, experience, and understanding of the client's needs. Our management structure will provide for effective communication and coordination, particularly among the M&J Team, the Town of Andover, and other stakeholders.



12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Jamil Miranda, PE	Principal-In-Charge	a. TOTAL 21	b. WITH CURRENT FIRM 3
15. FIRM NAME AND LOCATION (City and State) M&J Engineering, P.C. (North Haven, CT)			
16. EDUCATION (Degree and Specialization) B.S., Civil Engineering, Hydraulics, Water Resources, De La Salle University		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) ▪ Professional Engineer: CT, NY	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

As a Project Manager and Senior Vice President at M&J, Mr. Miranda has a broad range of design and construction management/ inspection/ observation expertise in the civil, mechanical, electrical, and environmental engineering disciplines. He is experienced in municipal and state-owned projects located throughout CT and NY and has provided project team oversight and client services on behalf of municipalities and transportation agencies for a broad range of projects.

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Rehabilitation of Ponus Ridge Road Bridge over Collins Pond, New Canaan, CT		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable) 1/2024
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Principal-In-Charge for providing construction engineering and inspection services for the Town of New Canaan for the rehabilitation of Bridge No. 05002 over Collins Pond. The existing bridge over Collins Pond is classified as functionally obsolete due to the weight restriction and due to the narrow curb to curb width. The rehabilitation consists of replacing the existing superstructure with precast concrete units with slight modification at the existing abutment seats to accept the new superstructure. The substructure will remain in place and be repaired where required. Substructure work anticipated to be outside of the water. The bridge span will match the existing span of 32.5 feet and will be widened to accommodate a ten (10.0) foot travel lane and two (2.0) foot shoulder in each direction. The Maintenance and Protection of Traffic plan also involves detailed detour of traffic for construction duration. The project also includes the temporary ariel utility relocation.			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Rehabilitation of Donahue Road Bridge over Belden Brook, Granby, CT		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable) 1/2024
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Principal-In-Charge for providing construction engineering and inspection services for Bridge 04516, which carries Donahue Road over Belden Brook in Granby. The rehabilitation of Bridge No. 04516 involves replacing the existing superstructure with adjacent prestressed concrete deck units that are topped with a 6" (min.) thick concrete deck. The roadway profile and curb-to-curb width of the new superstructure will match the existing profile and curb-to-curb width of 22'-10". Concrete repairs to existing wingwalls and abutments. Roadway pavement reconstruction at the bridge approaches and the installation of a new bridge rail and guiderail systems will also be included in the project.			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
City of Stamford, Construction Engineering and Inspection Services for Mill River Greenway Phase 2, Stamford, CT		PROFESSIONAL SERVICES Ongoing 12/21 - Present	CONSTRUCTION (If applicable)
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Project Manager M&J will be providing construction inspection services to the City of Stamford for the extension of the Mill River Greenway Phase 2, Project No 135-338. The scope of the project includes an extension of the Mill River Greenway along the west side of the Mill River from Hanrahan St. North to Scalzi Park for approximately 2,300 feet. The proposed improvements include the construction of a 12-foot-wide paved pathway to accommodate pedestrians and bicyclists, installation of a pedestrian bridge, stormwater drainage improvements, minor sidewalk construction, parking lot reconstruction, and the installation of lighting, fencing, and landscaping. This project was funded by the Municipal Systems Action Team.			

(1) TITLE AND LOCATION <i>(City and State)</i> CTDOT, Construction Engineering and Inspection Services for Devon Bridge Rehabilitation over Housatonic River (Project #0083-0267), Stratford and Milford, CT	(2) YEAR COMPLETED <table border="1"> <tr> <td data-bbox="1003 212 1268 275">PROFESSIONAL SERVICES Ongoing 8/21 - Present</td> <td data-bbox="1268 212 1549 275">CONSTRUCTION <i>(If applicable)</i></td> </tr> </table>		PROFESSIONAL SERVICES Ongoing 8/21 - Present	CONSTRUCTION <i>(If applicable)</i>
PROFESSIONAL SERVICES Ongoing 8/21 - Present	CONSTRUCTION <i>(If applicable)</i>			
(3) BRIEF DESCRIPTION <i>(Brief scope size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager for this \$13.5 million rehabilitation of the Devon Bridge (Bridge No. 00327), an 876-foot, 10-span bascule structure which carries Route 1 across the Housatonic River. Structural deterioration and wear are prevalent throughout the concrete and steel elements, warranting repairs across the structure. Rehabilitation of concrete elements such as abutment stems, piers, spandrel arches, counterweight, and prestressed deck units will require repairs inclusive of cracks, hollow areas, spalls, and honeycombs. The rehabilitation and/or repair of the structural steel components include replacement of stringers under the lift span and sidewalk and select repair to section loss strengthening members of the floor beams, movable truss, and trunnion towers. Vehicle and pedestrian traffic will be maintained through a three-stage construction plan with a lightweight barrier system maintaining two lanes of traffic and a walkway during construction. In addition, modifications will be made to the existing deck with partial and full-depth patches, fiberglass sidewalks will be incorporated, and a fiberglass grid deck will replace the existing steel grid deck. Additional repairs involve deck patching, substructure patching, replacement of waterproof membrane, spot painting, replacement of motors and drive systems, and replacement water service.				
(1) TITLE AND LOCATION <i>(City and State)</i> CTDOT, Intersection Improvements at Route 34 and SR 490 Toddy Hill Road, Newtown, CT	(2) YEAR COMPLETED <table border="1"> <tr> <td data-bbox="1003 653 1268 709">PROFESSIONAL SERVICES Ongoing 10/21 - Present</td> <td data-bbox="1268 653 1549 709">CONSTRUCTION <i>(If applicable)</i></td> </tr> </table>		PROFESSIONAL SERVICES Ongoing 10/21 - Present	CONSTRUCTION <i>(If applicable)</i>
PROFESSIONAL SERVICES Ongoing 10/21 - Present	CONSTRUCTION <i>(If applicable)</i>			
(3) BRIEF DESCRIPTION <i>(Brief scope size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Project Manager The project, which is in the Town of Newtown in the vicinity of I-84 Interchange 11 ramp terminus, includes major intersection improvements at the following three signal-controlled intersections: Interchange 11ramps at Wasserman Way (SR 490); Berkshire Road (Route 34) at SR 490 and Route 34 at Toddy Hill Road. In addition, the establishment of a new slip ramp, which provides direct access for westbound Route 34 vehicles to the I-84 Interchange 11 entrance ramp, will significantly reduce the volume of westbound left-turning vehicles on Route 34 at SR 490 and southbound left-turning vehicles on SR 490 at the Interchange 11 ramps. The project includes a 0.57-mile section of Route 34 which starts in the vicinity of Newtown High School and ends in the vicinity of Pole Bridge Road and a 0.33-mile section of SR 490 which starts on the north side of Bridge No. 5969, SR 490 over Pootatuck River and terminates at Route 34. The project also includes the section of the I-84 Interchange 11 exit ramp south of Route 34 and all the entrance ramp(s). It also includes the construction of a (500) feet soldier pile retaining wall with tie backs.				

12. NAME		13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Stacey Epps		Project Manager	a. TOTAL 29	b. WITH CURRENT FIRM 3
15. FIRM NAME AND LOCATION (City and State) M&J Engineering, P.C. (North Haven, CT)				
16. EDUCATION (Degree and Specialization)		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline)		
B.S., Building Construction Technology, Norfolk State University		<ul style="list-style-type: none"> ▪ ATSSA Traffic Control Supervisor: PA ▪ NETTCP Concrete Inspector ▪ OSHA 10 		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)				

Mr. Epps is an accomplished Engineer with 29 years of experience in Heavy Highway & Civil Construction. During his tenure with the CTDOT he has held several positions on transportation construction projects in the capacity of Field Engineer, Project Manager (Resident Engineer) and Project Engineer on Major Interchange, Movable Bridge, Simple Span Bridge, Major Roadway and Traffic Signalization projects. Responsibilities for the titles respectively; are the daily inspection/oversight, testing and reporting; lead field engineer overseeing a group of engineers inspecting construction projects and managing several engineering and inspection teams on individual projects simultaneously. The positions coincide with scopes of work inclusive of corridor programs, marine construction, steel erection, concrete works, micro tunneling, utility relocation/construction, steel erection, pile driving, deep drainage, earth support systems, groundwater control, environmental remediation, and most other related activities.

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Town of New Canaan, Rehabilitation of Ponus Ridge Road Bridge over Collins Pond, New Canaan, CT		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable) 1/2024
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
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(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Town of Granby, Rehabilitation of Donahue Road Bridge over Belden Brook, Granby, CT		PROFESSIONAL SERVICES <input checked="" type="checkbox"/>	CONSTRUCTION (If applicable) 1/2024
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm	
Project Manager providing construction engineering and inspection services for Bridge 04516, which carries Donahue Road over Belden Brook in Granby. The rehabilitation of Bridge No. 04516 involves replacing the existing superstructure with adjacent prestressed concrete deck units that are topped with a 6" (min.) thick concrete deck. The roadway profile and curb-to-curb width of the new superstructure will match the existing profile and curb-to-curb width of 22'-10". Concrete repairs to existing wingwalls and abutments. Roadway pavement reconstruction at the bridge approaches and the installation of a new bridge rail and guiderail systems will also be included in the project.			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
City of London, Construction Inspection Services for Traffic Signal Improvements, New London, CT		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable) 4/2022
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE		<input checked="" type="checkbox"/> Check if project performed with current firm	
Construction Coordinator providing construction inspection services to the City of New London for traffic signal improvements (State Project No. 094-2600). The improvements include but are not limited to replacing and upgrading traffic signal equipment at the intersections of Green Street at Tilley Street, Tilley Street at Bank Street, and Bank Street at Sparyard Street/New London Fire Department firehouse driveway. In addition to replacing the traffic signal equipment, the project will improve ADA accessibility and add emergency preemption equipment for improved fire response.			

(1) TITLE AND LOCATION <i>(City and State)</i> CTDOT, Construction Engineering and Inspection Services for Devon Bridge Rehabilitation over Housatonic River (Project #0083-0267), Stratford and Milford, CT	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing 8/21 - Present	CONSTRUCTION <i>(If applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Chief Inspector for rehabilitation of the Devon Bridge (Bridge No. 00327), an 876-foot, 10-span bascule structure which carries Route 1 across the Housatonic River. The purpose of this project is to upgrade the condition of the bridge to "State of Good Repair" and improve the long-term safety, reliability, and integrity of the movable bridge. Structural deterioration and wear are prevalent throughout the concrete and steel elements, warranting repairs across the structure. Rehabilitation of concrete elements such as abutment stems, piers, spandrel arches, counterweight, and prestressed deck units will require repairs inclusive of cracks, hollow areas, spalls, and honeycombs. The rehabilitation and/or repair of the structural steel components include replacement of stringers under the lift span and sidewalk and select repair to section loss strengthening members of the floor beams, movable truss, and trunnion towers. Vehicle and pedestrian traffic will be maintained through a three-stage construction plan with a lightweight barrier system maintaining two lanes of traffic and a walkway during construction. In addition, modifications will be made to the existing deck with partial and full depth patch, fiberglass sidewalks will be incorporated, and a fiberglass grid deck will replace the existing steel grid deck. Additional repairs involve deck patching, substructure patching, replacement of waterproof membrane, spot painting, replacement of motors and drive systems, and replacement water service. As Prime Consultant, M&J will lead the project team, assuming responsibility for all engineering and inspection services.		
(1) TITLE AND LOCATION <i>(City and State)</i> City of Stamford, Construction Inspection Services for Mill River Greenway, Phase 2, Stamford, CT	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES Ongoing 12-21 - Present	CONSTRUCTION <i>(If applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope size, cost, etc.)</i> AND SPECIFIC ROLE <input checked="" type="checkbox"/> Check if project performed with current firm Construction Coordinator for this \$1.89 million contract (State Project No. 135-338/Federal aid Project No. PEDS [220]), a planned extension of the Mill River Greenway along the west side of the Mill River from Hanrahan Street north to Scalzi Park for a distance of approximately 2,300 feet. Sections of this proposed greenway extension are adjacent to the Hart Magnet Elementary School and the Cloonan Middle School. The improvements include the construction of a 12 -foot-wide paved pathway to accommodate pedestrians and bicyclists, installation of a pedestrian bridge, stormwater drainage improvements, minor sidewalk construction, parking lot reconstruction, and the installation of lighting, fencing, and landscaping.		

12. NAME Vlad Kaminsky, PE		13. ROLE IN THIS CONTRACT Construction Coordinator		14. YEARS EXPERIENCE	
				a. TOTAL 38	b. WITH CURRENT FIRM 1
15. FIRM NAME AND LOCATION (City and State) M&J Engineering, P.C. (North Haven, CT)					
16. EDUCATION (Degree and Specialization) M.S., Structure Engineering, Moscow, University of Railroad Transportation			17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <ul style="list-style-type: none"> Professional Engineer: CT NETTCP QA Technologist 		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					

Mr. Kaminsky has held a multitude of leadership roles with the Connecticut Department of Transportation. His most recent experience as a Supervising Engineer included working on a variety of infrastructural and facilities projects. During the oversight and administration of construction projects, Mr. Kaminsky applies management principles and techniques to ensure success. He has proven experience in maintaining stakeholder involvement and client satisfaction while delivering a high-quality product. As a seasoned construction professional, He has extensive background in performing constructability reviews, analyzing schedules, and leading groups of engineers in the management of complex construction. Mr. Kaminsky will bring his 38 years of experience in Engineering and Construction Administration to any future job.

(1) TITLE AND LOCATION (City and State) Rehabilitation of Ponus Ridge Road Bridge over Collins Pond, New Canaan, CT		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable) 1/2024
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Construction Coordinator for providing construction engineering and inspection services for the Town of New Canaan for the rehabilitation of Bridge No. 05002 over Collins Pond. The existing bridge over Collins Pond is classified as functionally obsolete due to the weight restriction and due to the narrow curb to curb width. The rehabilitation consists of replacing the existing superstructure with precast concrete units with slight modification at the existing abutment seats to accept the new superstructure. The substructure will remain in place and be repaired where required. Substructure work anticipated to be outside of the water. The bridge span will match the existing span of 32.5 feet and will be widened to accommodate a ten (10.0) foot travel lane and two (2.0) foot shoulders in each direction. The Maintenance and Protection of Traffic plan also involves detailed detour of traffic for construction duration. The project also includes the temporary ariel utility relocation.		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) Rehabilitation of Donahue Road Bridge over Belden Brook, Granby, CT		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable) 1/2024
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Construction Coordinator for providing construction engineering and inspection services for Bridge 04516, which carries Donahue Road over Belden Brook in Granby. The rehabilitation of Bridge No. 04516 involves replacing the existing superstructure with adjacent prestressed concrete deck units that are topped with a 6" (min.) thick concrete deck. The roadway profile and curb-to-curb width of the new superstructure will match the existing profile and curb-to-curb width of 22'-10". Concrete repairs to existing wingwalls and abutments. Roadway pavement reconstruction at the bridge approaches and the installation of a new bridge rail and guiderail systems will also be included in the project.		<input checked="" type="checkbox"/> Check if project performed with current firm	
(1) TITLE AND LOCATION (City and State) CTDOT, Intersection Improvement on U.S. Route 1 and Route 122, West Haven, CT		(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If applicable) 2014-2017
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE Supervising Engineer responsible for the improvement of longstanding operational capacity, and safety concerns. Realignment of intersection at U.S. Route 1 and Route 122. The project also included the signalization and replacement of 3 intersections and complete drainage replacement throughout the intersection including the construction of a sedimentation basin. The work was performed through environmentally sensitive areas while accommodating more than 20,000 VPD.		<input type="checkbox"/> Check if project performed with current firm	

(1) TITLE AND LOCATION <i>(City and State)</i> CTDOT, CP243 Interlocking Project, Danbury Branch Dockyard Project, CT	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i> 2015-2022
(3) BRIEF DESCRIPTION <i>(Brief scope size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Supervising Engineer/Project Manager for this \$260 million project; CP243 and the dockyard comprised the \$1.4 billion Walk Bridge Replacement Program. CP243 included six new switches and crossover tracks on the Metro-North main line, 6,200 feet of track replacement and realignment, signal and catenary modifications including 18 catenary structure replacements, a power balancing station, and new drainage installed to the north and south of the tracks. Also, the work included the replacement of signal houses, new connections, and upgrades the fiber optic signal system. The Danbury Branch Dockyard project consisted of rail improvements, including approximately one mile of electrification. The work included the addition of two new tracks, track replacement, signal and communication system upgrades, and new catenary structures. During the Design of CP243/DY and Walk Bridge replacement, Mr. Kaminsky gained valuable experience by utilizing the innovative Construction Manager/General Contractor (CM/GC) project delivery method.		
(1) TITLE AND LOCATION <i>(City and State)</i> CTDOT, I-95/I-91/Route 34 Interchange Reconstruction, New Haven, CT	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION <i>(If applicable)</i> 2007-2016
(3) BRIEF DESCRIPTION <i>(Brief scope size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Supervising Engineer for this \$390 million project with comprises Contract "E" of the \$2 billion Q-Bridge program. The reconstruction of the I-95/I-91/Route 34 Interchange is intended to accommodate six travel lanes of traffic from the new Pearl Harbor Memorial Bridge and improve interstate-to interstate travel. The reconstruction provided three travel lanes on I-95 through the Interchange. Reconstruction also included the elimination of a left lane exit and entrance ramps and provided a two-lane connection to I-91. Eighteen existing bridges were removed. Fifteen new bridges were built, and three existing bridges were widened. Also, twenty-one permanent retaining walls and three temporary retainage walls were built. Looping ramps are being removed. Full shoulders, a new median barrier, drainage, signing, and lighting are being provided throughout the project. While managing more than 180,000 VPD this award- winning project was constructed on time and within budget even in the face of very complex challenges, including environmental restrictions, deep foundations, hundreds of driven piles, and removal of the old bridges while minimizing traffic impacts as well as monitoring the effects of vibrations on underground utilities.		

12. NAME		13. ROLE IN THIS CONTRACT		14. YEARS EXPERIENCE	
Kyle O'Connor, PE		Chief Inspector		a. TOTAL 12 b. WITH CURRENT FIRM 1	
15. FIRM NAME AND LOCATION (City and State) M&J Engineering, P.C. (North Haven, CT)					
16. EDUCATION (Degree and Specialization) B.S., Civil Engineering, Morgan State University			17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <ul style="list-style-type: none"> Professional Engineer: CT ATSSA Traffic Control Technician ATSSA Traffic Supervisor NETTCP HMA Paving Certified Inspector NETTCP Concrete Certified Inspector ACI Concrete Field-Testing Technician – Level I AMPP Basic Coating Inspector APNGA Portable Nuclear Gauge Safety & U.S. D.O.T. Hazmat Certification OSHA 40-Hour Construction Safety and Health Metro-North Railroad Contractor Safety Training Amtrak Contractor Training 		
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)					
<p>Mr. O'Connor has a bachelor's degree in civil engineering from Morgan State University. His background has given him a wide variety of skills and experience in construction and engineering. He has experience in light and heavy steel framing, small budget industrial, commercial, and residential renovation, municipal wastewater facility renovation, construction inspection, computer aided engineering design, and elementary steel design. He is a very hard worker committed to meeting deadlines and has excellent written and communication skills.</p>					
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED			
CTDOT, New Haven Downtown Crossing Phase 2/3, New Haven, CT		PROFESSIONAL SERVICES 6/2021-10/2022		CONSTRUCTION (If applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm			
<p>Senior Inspector project consisted of redirecting Route 34 off ramp, adding thru street intersection and bike travel lanes, with supporting traffic direction devices, street signs, lighting and landscaping. Responsibilities included performing daily inspection of construction, submitting daily reports, reviewing change orders and pay applications, attending meetings, shop drawing submittal reviews, change order reviews, and RFI reviews.</p>					
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED			
CTDOT Middlebury & Waterbury Interchange 17, I-84 Bridge No. 03204 and Culverts 201 & 202, Stratford/Milford, CT		PROFESSIONAL SERVICES 7/2018 & 4/2020		CONSTRUCTION (If applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm			
<p>Inspector Interchange 17 improvements consist of approximately 1,350 LF of new roadway construction and 8,700 LF of roadway and ramp reconstruction. The major addition is the widening of the I-84 eastbound on-ramp and bridge 03204 over I-84 to accommodate two lanes. Inspection tasks included: procured traffic control services and inspection equipment; procured State Police services for traffic control; scheduling and performance of the inspection; preparation of inspection summary and using the inspection findings to produce ratings.</p>					
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED			
CTDOT Task Order Highway Bridge & Overhead Sign Structure, State Project Nos. 0170-3413/3414/3415/3416		PROFESSIONAL SERVICES 5/2018-7/2020		CONSTRUCTION (If applicable)	
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE		<input type="checkbox"/> Check if project performed with current firm			
<p>Inspector on this \$112 Million project, Garg performed routine and in-depth inspections of over thirty-seven (37) state bridges and inspections of over fourteen (14) cantilever, full span, and structure-mounted overhead sign supports over various CT highways.</p>					

(1) TITLE AND LOCATION <i>(City and State)</i> CTDOT, Reconstruction of West Broad Street, Stratford, CT	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 5/2020-6/2020	CONSTRUCTION <i>(If applicable)</i> 2008-2010
(3) BRIEF DESCRIPTION <i>(Brief scope size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Inspector The West Broad Street Intersection Improvements includes complete roadway reconstruction, drainage improvements, sidewalks, traffic signals, lighting and landscaping. Responsibilities included performing daily inspection of construction, submitting daily reports, reviewing change orders and pay applications, attending meetings, shop drawing submittal reviews, change order reviews, and RFI reviews.		
(1) TITLE AND LOCATION <i>(City and State)</i> CTDOT, Bridge Nos. 03176 & 03177 Inspection & Load Rating, State Project Nos. 0151-0333 & 0151-0334	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES 3/2019	CONSTRUCTION <i>(If applicable)</i>
(3) BRIEF DESCRIPTION <i>(Brief scope size, cost, etc.)</i> AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Assistant Team Leader project consisted of the in-depth inspection of the existing structure to note all deficiencies that required repair and performing a load rating of the structures based off the observed conditions. Responsibilities included hands-on visual inspection, drafting plans of deficiencies, and creating inspection notes.		

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
Joseph Messina, PLS	Survey Party Chief	a. TOTAL 30	
		b. WITH CURRENT FIRM 1	
15. FIRM NAME AND LOCATION (<i>City and State</i>) M&J Engineering, P.C. (North Haven, CT)			
16. EDUCATION (<i>Degree and Specialization</i>) A.A.S., Union County College, 1986		17. CURRENT PROFESSIONAL REGISTRATION (<i>State and Discipline</i>) • Professional Land Surveyor, NJ	
18. OTHER PROFESSIONAL QUALIFICATIONS (<i>Publications, Organizations, Training, Awards, etc.</i>) Mr. Messina has 30 years of experience in land surveying and construction engineering, having served in many capacities including Director of Survey, principal owner, project manager, and project document control (QA/QC) manager. He has managed up to five offices locations with up to 11 field crews and respective office staff to effectively coordinate and deliver client products. Mr. Messina has worked on some of the largest transportation projects within the Metropolitan area. He has extensive experience with record research, retracement, and analysis of boundary tracts along with the preparation of survey plats. He has prepared numerous surveys ranging from small to very large parcels of land for title conveyances.			

(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
NYCDDC, Resident Engineering Inspection Services for Beach 108th Street Streetscape Improvements, Beach Front Parkway to Beach Channel Drive, Brooklyn, NY	PROFESSIONAL SERVICES	CONSTRUCTION (<i>If applicable</i>)
	1/23	
(3) BRIEF DESCRIPTION (<i>Brief scope size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Survey Party Chief/Foreman for this \$4.5 million project for Beach 108th Street streetscape improvements from Shore Front Parkway to Beach Channel Drive in the Borough of Queens (FMS SANDR04). Work includes replacement of watermain and storm sewer extension. Mr. Messina was responsible for the overall project task which included the establishment of a horizontal and vertical control network utilizing both global positioning survey and conventional survey location effort; and development of final as-built record drawings for DDC submittal.		

(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
NYCDEP, Design-Build Services for Architectural and Engineering Services for DEP Upstate Infrastructure Projects, NY	PROFESSIONAL SERVICES	CONSTRUCTION (<i>If applicable</i>)
	11/19	
(3) BRIEF DESCRIPTION (<i>Brief scope size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Survey Party Chief/Foreman Led a survey crew that completed the field survey for the rehabilitation of the Calvary Road Bridge in Weston, Connecticut. Responsible for the completion of a topographic and planimetric survey conforming to class A-2 standards for horizontal control, V-2 for vertical control and T-2 for topography in the vicinity of the bridge. The survey was performed in accordance with CTDOT Location Survey Manual. Completed initial research, set control, completed field reconnaissance and the location of all physical features in the right-of-way and on private property within the project limits. Obtained details under the bridge including top of bank and completed 12 hydraulic stream sections 500 feet both upstream and downstream.		

(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
NYCDDC, Land Surveying Services for Marlboro Agricultural Education Center, Brooklyn, NY	PROFESSIONAL SERVICES	CONSTRUCTION (<i>If applicable</i>)
	11/22-12/22	
(3) BRIEF DESCRIPTION (<i>Brief scope size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Survey Party Chief/Foreman for professional land surveying services for the \$3.5 million construction of an Agricultural Education Center in the NYCHA Marlboro Houses complex, including the preparation of a boundary and topographic survey of the project area; recovering and establishing horizontal and vertical control networks published on a previous survey that was completed for the NYCDDC; performing research and obtained relevant deeds and mapping materials to aid in the boundary line retracement; using GPS and conventional survey measurements to collect topographic and planimetric features across the site; and using the collected data to create a digital terrain model (DTM) with 1/2-foot contour interval for the topographic mapping effort.		

(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
MTA/LIRR, Eastside Access (ESA) – Task Order No. 1, General and Right of Way Surveying, Queens, NY	PROFESSIONAL SERVICES	CONSTRUCTION (<i>If applicable</i>)
	11/19	
(3) BRIEF DESCRIPTION (<i>Brief scope size, cost, etc.</i>) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm		

Project Surveyor for continuing survey services to the ESA team during final design and construction under this task order contract. Task Order 1 is for Block 183/Lots 185, 189 & 375. Task Order 2 is for new survey standard sheets. Task 3 is for Northern Boundary. Task Order 4 involves field survey and preparation of temporary and permanent easements for Lots 150 and 158 in Block 119 to allow construction of a two-track railroad bridge abutment and a retaining wall. Task Order 5 involves the establishment of additional project survey control monuments in Queens to be used during construction of the East Side Access project, which will bring Long Island Railroad service to Grand Central Station in Manhattan. This task includes 60 monuments located inside the Sunnyside Rail Yard in Queens, bringing the total number of monuments set in Queens to 100 and providing recoverable control every 500 feet throughout the project area. Work includes coordination with Amtrak, Long Island Rail Road, Metro-North Railroad, NJ Transit, and private railroad companies who occupy portions of the project area. Task Order 21 is for construction phase services.

12. NAME Johnathan Lucena, LSIT	13. ROLE IN THIS CONTRACT Project Surveyor	14. YEARS EXPERIENCE a. TOTAL 6 b. WITH CURRENT FIRM 1	
15. FIRM NAME AND LOCATION (City and State) M&J Engineering, P.C. (North Haven, CT)			
16. EDUCATION (Degree and Specialization) B.S., Engineering Technology, Survey Engineering Technology, New Jersey Institute of Technology		17. CURRENT PROFESSIONAL REGISTRATION (State and Discipline) <ul style="list-style-type: none"> Land Surveyor in Training OSHA 30 Hour 	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Lucena has over six years of experience in land surveying, having served in many capacities including Project Surveyor, Project Manager, Survey Technician, and Field Crew Chief. He has managed numerous survey projects ranging from small to large parcels of land. Furthermore, he has extensive experience in the establishment of horizontal and vertical control networks, utilizing both GPS and conventional survey procedures. Mr. Lucena has worked on private, county, and state projects. Additionally, he has extensive experience in boundary retracement, research, and boundary line resolution, and is proficient with terrestrial LiDAR Imaging (3-D laser scanning).			

(1) TITLE AND LOCATION (City and State) NYCDDC, Resident Engineering Inspection Services for Beach 108th Street Streetscape Improvements, Beach Front Parkway to Beach Channel Drive, Brooklyn, NY	(2) YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES 1/23</td> <td style="width: 50%;">CONSTRUCTION (If applicable)</td> </tr> </table>		PROFESSIONAL SERVICES 1/23	CONSTRUCTION (If applicable)
PROFESSIONAL SERVICES 1/23	CONSTRUCTION (If applicable)			
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Instrument Person for this \$4.5 million project for Beach 108th Street streetscape improvements from Shore Front Parkway to Beach Channel Drive in the Borough of Queens (FMS SANDR04). Work includes replacement of watermains and storm sewer extension.				

(1) TITLE AND LOCATION (City and State) NYCDEP, Design-Build Services for Architectural and Engineering Services for DEP Upstate Infrastructure Projects, NY	(2) YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES 12/22 – 4/23</td> <td style="width: 50%;">CONSTRUCTION (If applicable)</td> </tr> </table>		PROFESSIONAL SERVICES 12/22 – 4/23	CONSTRUCTION (If applicable)
PROFESSIONAL SERVICES 12/22 – 4/23	CONSTRUCTION (If applicable)			
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Instrument Person for water and wastewater capital projects. During the term of this contract (AE1-UPS-1), individual projects will be identified to support NYCDEP's Capital Program. The projects can include wastewater resource recovery facility upgrades; wastewater resource recovery facility improvements; or miscellaneous water and wastewater infrastructure upgrades located in upstate New York. The work includes topographic survey services and development of roadway design criteria package for improvements of roadways at the Ashokan, Croton, and Schoharie Reservoirs. The total value of this task order is \$1 million. Additional task orders for this contract will be forthcoming.				

(1) TITLE AND LOCATION (City and State) NYCDDC, Land Surveying Services for Marlboro Agricultural Education Center, Brooklyn, NY	(2) YEAR COMPLETED <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">PROFESSIONAL SERVICES 11/22-12/22</td> <td style="width: 50%;">CONSTRUCTION (If applicable)</td> </tr> </table>		PROFESSIONAL SERVICES 11/22-12/22	CONSTRUCTION (If applicable)
PROFESSIONAL SERVICES 11/22-12/22	CONSTRUCTION (If applicable)			
(3) BRIEF DESCRIPTION (Brief scope size, cost, etc.) AND SPECIFIC ROLE <input type="checkbox"/> Check if project performed with current firm Instrument Person for professional land surveying services for the \$3.5 million construction of an Agricultural Education Center in the NYCHA Marlboro Houses complex, including the preparation of a boundary and topographic survey of the project area; recovering and establishing horizontal and vertical control networks published on a previous survey that was completed for the NYCDDC; performing research and obtained relevant deeds and mapping materials to aid in the boundary line retracement; using GPS and conventional survey measurements to collect topographic and planimetric features across the site; and using the collected data to create a digital terrain model (DTM) with 1/2-foot contour interval for the topographic mapping effort.				

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER
		1
21. TITLE AND LOCATION: (City and State) Rehabilitation of Donahue Road Bridge over Belden Brook (Granby, CT)		22. YEAR COMPLETED
		PROFESSIONAL SERVICES 4/23-12/23
		CONSTRUCTION (If applicable) 1/23
a. PROJECT OWNER Town of Granby	b. POINT OF CONTACT NAME Kirk Severance, Director of Public Works	c. POINT OF CONTACT EMAIL kseverance@granby-ct.gov

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

M&J Engineering, P.C. provided construction engineering and inspection services for Bridge No. 04516, which carries Donahue Road over Belden Brook in Granby. The rehabilitation of Bridge No. 04516 involves replacing the existing superstructure with adjacent prestressed concrete deck units that are topped with a 6" (min.) thick concrete deck. The roadway profile and curb-to-curb width of the new superstructure will match the existing profile and curb-to-curb width of 22'-10". Concrete repairs to existing wingwalls and abutments. Roadway pavement reconstruction at the bridge approaches and the installation of a new bridge rail and guiderail systems will also be included in the project.

Bridge 04516 was constructed in 1956. This single span structure is 41'-10" long and carries two lanes of traffic in eastbound and westbound directions with a curb-to-curb width of 22'-10". The bridge is located approximately 250-feet west of the intersection of Donahue Road with Lost Acres Road. The existing bridge superstructure is comprised of prestressed concrete deck units that are topped with a bituminous concrete wearing surface. The bridge superstructure is supported by reinforced concrete abutments with spread footing founded on bedrock.



a.	(1) FIRM NAME M&J Engineering, P.C.	(2) FIRM LOCATION (City and State) North Haven, Connecticut
	(3) ROLE Construction Engineering and Inspection	

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER
		2
21. TITLE AND LOCATION: (City and State)		22. YEAR COMPLETED
Rehabilitation of Ponus Ridge Road Bridge over Collins Pond (New Canaan, CT)		PROFESSIONAL SERVICES 5/23-12/23
		CONSTRUCTION (If applicable) 1/23
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT EMAIL
Town of New Canaan	Joe Zagarenski, Senior Engineer, Department of Public Works	joe.zagarenski@newcanaanct.gov
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		

M&J Engineering, P.C. is providing construction engineering and inspection services for the Town of New Canaan for the rehabilitation of Bridge No. 05002 over Collins Pond. The existing bridge over Collins Pond is classified as functionally obsolete due to the weight restriction and due to the narrow curb to curb width. The rehabilitation consists of replacing the existing superstructure with precast concrete units with slight modification at the existing abutment seats to accept the new superstructure. The substructure will remain in place and be repaired where required. Substructure work anticipated to be outside of the water. The bridge span will match the existing span of 32.5 feet and will be widened to accommodate a ten (10.0) foot travel lane and two (2.0) foot shoulder in each direction. The Maintenance and Protection of Traffic plan also involves detailed detour of traffic for construction duration. The project also includes the temporary ariel utility relocation.



a.	(1) FIRM NAME M&J Engineering, P.C.	(2) FIRM LOCATION (City and State) North Haven, Connecticut	(3) ROLE Construction Engineering and Inspection
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(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER
		3
21. TITLE AND LOCATION: (City and State)		22. YEAR COMPLETED
Rehabilitation of Lakeside Drive Over North Stamford Reservoir (Stamford, CT)		PROFESSIONAL SERVICES
		CONSTRUCTION (If applicable)
		1/23 - Present

a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT EMAIL
City of Stamford	Lou Casolo, PE, City Engineer	LCasolo@StamfordCT.gov

24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)

M&J is providing construction inspection services for the rehabilitation of bridge no. 04069, which is structurally deficient. The existing structure built in 1936 and reconstructed in 1993, is comprised of a reinforced concrete deck and steel beam superstructure, supported on stone masonry abutments and wingwalls. The total structure length and width measure 40 feet and 24.8 feet, respectively. The bridge roadway has a curb-to-curb width of 23.4 feet and an approach width of 18 feet, which each provide two lanes (one lane each direction) of vehicular traffic and no sidewalks are present. The proposed rehabilitation will consist of a superstructure replacement with galvanized steel stringers with a reinforced concrete deck. The structure will have a 40-foot clear span with a 24-foot curb-to-curb width consisting of two 12-foot travel lanes.



a.	(1) FIRM NAME M&J Engineering, P.C.	(2) FIRM LOCATION (City and State) North Haven, Connecticut	(3) ROLE Construction Engineering and Inspection
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(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER
		4
21. TITLE AND LOCATION: (City and State)		22. YEAR COMPLETED
Mill River Greenway, Phase 2 (Stamford, CT)		PROFESSIONAL SERVICES
		Ongoing
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
City of Stamford	Jeff Brown, City Construction Manager	(203) 977-4493
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		

M&J Engineering, P.C. is performing construction inspection services for the City of Stamford for the Mill River Greenway Phase 2 project (State Project No. 135-338/Federal aid Project No. PEDS [220]), a planned extension of the Mill River Greenway along the west side of the Mill River from Hanrahan Street north to Scalzi Park for a distance of approximately 2,300 feet. Sections of this proposed greenway extension are adjacent to the Hart Magnet Elementary School and the Cloonan Middle School. The improvements include the construction of a 12-foot-wide paved pathway to accommodate pedestrians and bicyclists, installation of a pedestrian bridge, stormwater drainage improvements, minor sidewalk construction, parking lot reconstruction, and the installation of lighting, fencing, and landscaping.



a.	(1) FIRM NAME M&J Engineering, P.C.	(2) FIRM LOCATION (City and State) North Haven, Connecticut	(3) ROLE Construction Engineering and Inspection
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(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER 5
21. TITLE AND LOCATION: (City and State) Devon Bridge Rehabilitation over Housatonic River (Milford, CT)	22. YEAR COMPLETED PROFESSIONAL SERVICES Ongoing	

a. PROJECT OWNER CTDOT	b. POINT OF CONTACT NAME Harold Spina, Project Engineer, CTDOT District 3	c. POINT OF CONTACT TELEPHONE NUMBER (203) 389-3176
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24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)
M&J Engineering, P.C. is providing construction engineering and inspection services for CTDOT for rehabilitation of the Devon Bridge (Bridge No. 00327), an 876-foot, 10-span bascule structure which carries Route 1 across the Housatonic River between the Town of Stratford and City of Milford. The purpose of this project is to upgrade the condition of the bridge to "State of Good Repair" and improve the long-term safety, reliability, and integrity of the movable bridge. Structural deterioration and wear are prevalent throughout the concrete and steel elements, warranting repairs across the structure. Rehabilitation of concrete elements such as abutment stems, piers, spandrel arches, counterweight, and prestressed deck units will require repairs inclusive of cracks, hollow areas, spalls, and honeycombs. The rehabilitation and/or repair of the structural steel components include replacement of stringers under the lift span and sidewalk and select repair to section loss strengthening members of the floor beams, movable truss, and trunnion towers. Vehicle and pedestrian traffic will be maintained through a three-stage construction plan with a lightweight barrier system maintaining two lanes of traffic and a walkway during construction.

In addition, modifications will be made to the existing deck with partial and full depth patch, fiberglass sidewalks will be incorporated, and a fiberglass grid deck will replace the existing steel grid deck. Additional repairs involve deck patching, substructure patching, replacement of waterproof membrane, spot painting, replacement of motors and drive systems, and replacement water service. As Prime Consultant, M&J leads the project team, assuming responsibility for all engineering and inspection services.



a.	(1) FIRM NAME M&J Engineering, P.C.	(2) FIRM LOCATION (City and State) North Haven, Connecticut	(3) ROLE Construction Engineering and Inspection
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(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER
		6
21. TITLE AND LOCATION: (City and State)		22. YEAR COMPLETED
Rehabilitation of Dexter Coffin Bridge (Windsor Locks and East Windsor, CT)		PROFESSIONAL SERVICES Ongoing
CONSTRUCTION (If applicable)		
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
CTDOT	Michael Bugbee, PE Transportation Engineer III	(860) 841-0248
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		

M&J Engineering, P.C. is providing construction and engineering services for the rehabilitation of the Dexter Coffin Bridge (Bridge No. 00454) carrying I-91 over the Connecticut River, Amtrak, and Route 159 in Windsor Locks and East Windsor. The project will consist of strengthening steel girders, repair of deteriorated members, replacement of expansion bearings, cleaning and painting fixed bearings, cleaning and painting beam ends, spot cleaning and painting, patching of the concrete bridge deck, replacement of waterproofing membrane, substructure patching, parapet repairs, bridge rail restoration, and sign structure replacement.



a.	(1) FIRM NAME M&J Engineering, P.C.	(2) FIRM LOCATION (City and State) North Haven, Connecticut	(3) ROLE Construction Engineering and Inspection
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(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER
		7
21. TITLE AND LOCATION: (City and State) Intersection Improvements at Route 34 and SR 490 and Toddy Hill Road (Newtown, CT)		22. YEAR COMPLETED
		PROFESSIONAL SERVICES
		Ongoing
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT TELEPHONE NUMBER
CTDOT	Shawn Beaulieu, P.E.	(203) 591-5363
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		

M&J Engineering, PC is providing construction management and inspection services on a project to improve traffic operations at three intersections (SR 490 at the Interchange 11 ramp termini, Route 34 at SR 490, and Route 34 at Toddy Hill Road). Improvements will reduce delays, alleviate severe congestion, and resolve safety concerns stemming from poor traffic operations. All three intersections suffer from long traffic queues and severe congestion that impacts the operation of adjacent signal-controlled intersections. In addition, the project will improve pedestrian and bicycle access in the vicinity of Newtown High School. Additional improvements include the construction of a new slip ramp (B) which will provide direct access from Route 34 westbound to Interstate I-84 (eastbound and westbound) via the interchange 11 entrance ramp. This new ramp is located just west of Toddy Hill Road and will eliminate the need to use SR 490 and thus reduce the traffic volume considerably at the two intersections of Route 34/SR 490 and Interchange 11 ramps/SR 490. A section of the existing entrance ramp will require construction to provide adequate weave distance and decision sight distance to accommodate the new ramp.

Additional enhancements will include:

- Alignment improvements at the intersection of SR 490 and the Interchange 11 exit ramp
- Expansion to a new three-lane approach at the intersection of Route 34 and SR 490 with an extended left turn lane to Route 34 westbound
- A left turn lane to the Newtown High School just west of this intersection
- Widening of Route 34 to accommodate two approach and two receiving lanes in each direction, along with an exclusive eastbound right turn and an exclusive westbound left turn
- vertical alignment revision to provide safe design speed, stopping sight distance, and intersection sight distance based on 45MPH traffic
- improvement of pedestrian and bicycle access with 5-foot right shoulders and 5-foot sidewalks along Route 34 and SR 490
- Construction of a cast-in-place retaining wall, soldier pile and lagging wall with ties, residential block walls, new drainage, new pavement, a new park-and-ride facility, and new traffic signals.



a.	(1) FIRM NAME M&J Engineering, P.C.	(2) FIRM LOCATION (City and State) North Haven, Connecticut	(3) ROLE Construction Engineering and Inspection
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(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER
		8
21. TITLE AND LOCATION: (City and State) Merritt Parkway Resurfacing and Bridge Improvements Norwalk to New Canaan (Norwalk and New Haven, CT)		22. YEAR COMPLETED
		PROFESSIONAL SERVICES
		Upcoming
a. PROJECT OWNER CTDOT	b. POINT OF CONTACT NAME Scott Adkins, Transportation Engineer, CTDOT	c. POINT OF CONTACT TELEPHONE NUMBER (203) 389-3138
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		

M&J will serve as sub-consultant offering Construction Engineering and Inspection Services for Gannett Fleming LLC on this 50-million-dollar project. M&J will assist with resurfacing the Merritt Parkway along Route 15 in both directions, conducting various safety improvements from CT Route 124 in New Canaan (log mile 14.0) to Silvermine Road in Norwalk (log mile 16.7) for a total length of 2.7 miles. The existing guide rail will be replaced with Merritt Parkway Guiderail. The existing rock ledges close to the roadway will be evaluated, and if warranted, will be cut back, or shielded with either the Merritt Parkway guide rail or concrete barrier. A single slipform curb and gutter system will also be installed along the grass median. This is the eighth and final project in a series of corridor improvement projects on the Merritt Parkway. With the completion of this project, one hundred percent (100%) of the Parkway will be upgraded. This project will be funded 80% by federal funds and 20% by state funds.



a.	(1) FIRM NAME M&J Engineering, P.C.	(2) FIRM LOCATION (City and State) North Haven, Connecticut	(3) ROLE Construction Engineering and Inspection

(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER
		9
21. TITLE AND LOCATION: (City and State) Bridge Rehabilitation, Median Construction and Resurfacing of I-95 (Norwalk and Westport, CT)		22. YEAR COMPLETED PROFESSIONAL SERVICES Ongoing CONSTRUCTION (If applicable)
a. PROJECT OWNER CTDOT	b. POINT OF CONTACT NAME Robert Nowak	c. POINT OF CONTACT TELEPHONE NUMBER (203) 389-3136
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		

M&J Engineering, P.C., as a subconsultant, is providing construction engineering and inspection services for this CTDOT project (0102-0295; CSO Solicitation No. 2359) to provide safety improvements on I-95 from Bridge No. 00059 (I-95 over the Norwalk River) to and including Bridge No. 00064 (I-95 over the Saugatuck River). The scope of work includes:

- Upgraded drainage systems, including a water quality system, pipe jacking, and I-95 drainage crossing operations
- Significant milling and paving, including concrete pavement repair
- Accelerated bridge construction for Bridge No. 0062 (I-95 over Route 33) with reduced lanes over weekends
- Reconstruction of median with 42-inch precast concrete box culvert (PCBC), illumination, and relocation of IMS to the southbound shoulder
- Deck rehabilitation of Bridges Nos. 63 and 64
- I-95 northbound Exit 16 onramp extension and Exit 17 onramp and offramp vertical realignment
- Reconstruction of the existing Park and Ride commute lot at Interchange 16 off Hendricks Avenue
- Construction of a 625-foot section of the Yankee Doodle Trail system for the City of Norwalk

M&J is responsible for supplying key personnel, including a Chief Inspector, Office Engineer, and inspectors.



a.	(1) FIRM NAME M&J Engineering, P.C.	(2) FIRM LOCATION (City and State) North Haven, Connecticut	(3) ROLE Construction Engineering and Inspection
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(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)		20. EXAMPLE PROJECT KEY NUMBER
		10
21. TITLE AND LOCATION: (City and State)		22. YEAR COMPLETED
Emergency Repairs to Long Beach Road (Nassau County, NY)		PROFESSIONAL SERVICES
		CONSTRUCTION (If applicable)
		2019
a. PROJECT OWNER	b. POINT OF CONTACT NAME	c. POINT OF CONTACT PHONE
Nassau County Department of Public Works	Saji Varughese	(516) 571-9651
24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT (Include scope, size, and cost)		

M&J Engineering, P.C. provided construction management and inspection services for Long Beach Road Bridge and structural design work (task proposal E-2019-2 project 63029)

This project involved an emergency evaluation of a number of red and yellow flag conditions identified during NYSDOT's bi-annual inspections of the bascule bridge and the development of design alternatives to extend the service life of the structure. The investigative study included non-destructive inspection of specific structural members of the bascule spans including bascule girders, floor beams, stringers, and their associated connections as well as a limited inspection of railings.

Project tasks included in-depth inspection, analysis of the recorded surveys, and load rating analyses. Based on these investigations, design alternatives were developed for the repairs of the identified damaged areas. A comprehensive report was prepared that included photos, sketches of the proposed work, cost comparison of alternatives, and a recommendation of the most cost-effective alternative.

Design documents detailing the emergency structural repairs including design drawings, details, notes, and maintenance and protection of traffic schemes were prepared and issued to the county's on-call contractor.



a.	(1) FIRM NAME M&J Engineering, P.C.	(2) FIRM LOCATION (City and State) North Haven, Connecticut	(3) ROLE Construction Engineering and Inspection
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26. NAMES OF KEY PERSONNEL (From Section E, Block 12)	27. ROLE IN THIS CONTRACT (From Section E, Block 13)	28. EXAMPLE PROJECTS LISTED IN SECTION F (Fill in "Examples Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role.)									
		1	2	3	4	5	6	7	8	9	10
Principal-In-Charge	Jamil Miranda, PE	X	X	X	X	X	X	X	X	X	<input type="checkbox"/>
Project Manager	Stacey Epps	X	X	<input type="checkbox"/>	X	X	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Construction Coordinator	Vlad Kaminsky, PE	X	X	X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chief Inspector	Kyle O'Connor, PE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Survey Party Chief	Joseph Messina, PLS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Project Surveyor	Johnathan Lucena, LSIT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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NUMBER	TITLE OF EXAMPLE PROJECT (From Section F)	NUMBER	TITLE OF EXAMPLE PROJECT (From Section F)
1	Rehabilitation of Ponus Ridge Road Bridge	6	Dexter Coffin Bridge
2	Rehabilitation of Donahue Road Over Belden Brook	7	Intersection Improvements at Route 34 and SR 490 and Toddy Hill Road
3	Rehabilitation of Lakeside Drive Bridge Over North Stamford Reservoir	8	Merritt Parkway (Route 15) Bridge Improvements
4	Mill River Greenway, Phase 2	9	Bridge Rehabilitation, Median Construction and Resurfacing of I-95
5	Rehabilitation of Devon Bridge	10	Merrick Road Over Millburn Creek Bridge

	1. SOLICITATION NUMBER (If any) State Project No. 0001-0106
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(If a firm has branch offices, complete for each specific branch office seeking work.)

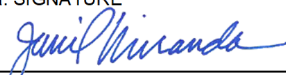
2a. FIRM (or Branch Office) NAME M&J Engineering, PC			3. YEAR ESTABLISHED 2004	4. UNIQUE ENTITY IDENTIFIER 619804599
2b. STREET 116 Washington Avenue			5. OWNERSHIP	
2c. CITY North Haven			a. TYPE Corporation	
2d. STATE CT			b. SMALL BUSINESS STATUS	
2e. ZIP CODE 06473			7. NAME OF FIRM (If Block 2a is a Branch Office)	
6a. POINT OF CONTACT NAME AND TITLE Jamil Miranda, PE				
6b. TELEPHONE NUMBER (203) 680-0907		6c. EMAIL ADDRESS jmiranda@mjengineers.com		

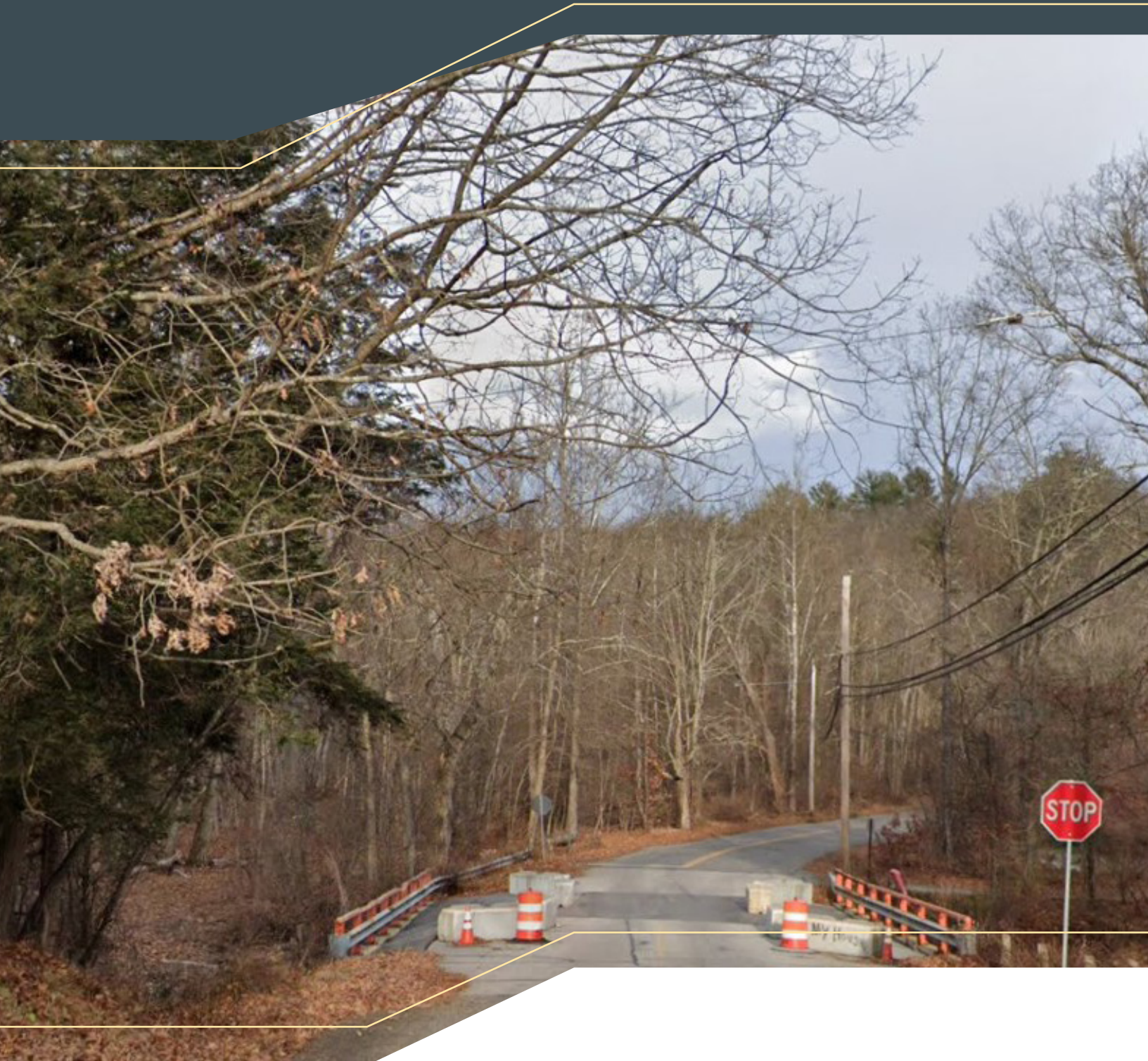
8a. FORMER FIRM NAME(S) (If any)	8b. YEAR ESTABLISHED 2004	8c. UNIQUE ENTITY IDENTIFIER 30-0284495
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a. Function Code	b. Discipline	c. Number of Employees		a. Profile Code	b. Experience	c. Revenue Index Number (see below)
		(1) FIRM	(2) BRANCH			
02	Administrative	8	3	B02	Bridges	3
06	Architect	0	0	C12	Communications Systems	2
08	CADD Technician	2	0	C15	Construction Management	7
12	Civil Engineer	8	2	E03	Electrical Studies and Design	1
15	Construction Inspector	110	28	E04	Electronics	1
16	Construction Manager	6	1	G04	GIS	1
21	Electrical Engineer	10	0	H07	Highways	2
23	Environmental Engineer	3	0	I04	Intelligent Transportation Systems	3
30	Geologist	2	0	R03	Railroad; Rapid Transit	1
42	Mechanical Engineer	4	0	T02	Testing and Inspections Services	1
48	Project Manager	14	1	T03	Traffic & Transportation Engineer	4
51	Safety/Occupational Health Eng	5	0			
57	Structural Engineer	3	1			
58	Technician/Analyst	6	0			
60	Transportation Engineer	5	0			
	Other Employees	138	0			
Total		324	36			

11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS (Insert revenue index number shown at right)		PROFESSIONAL SERVICES REVENUE INDEX NUMBER	
a. Federal Work	6	1. Less Than \$100,000	6. \$2 million to less than \$5 million
b. Non-Federal Work	9	2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million
c. Total Work	9	3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million
		4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million
		5. \$1 million to less than \$2 million	10. \$50 million or greater

12. AUTHORIZED REPRESENTATIVE
The foregoing is a statement of facts.

a. SIGNATURE 	b. DATE 2/20/2024
c. NAME AND TITLE Jamil Miranda, PE Senior Vice President	



116 Washington Avenue
North Haven, CT 06473

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www.mjengineers.com

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