



STATEMENT OF QUALIFICATIONS

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- **Excellence**

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- **Dedication**

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- **Professionalism**



RESPONSE TO RFP #04-2025 TOWN OF BOONTON PROFESSIONAL SERVICES
GENERAL ENGINEERING SERVICES



DUE DATE: **June 24, 2025 – 10:30 AM**

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Executive Summary

This Qualification Statement is prepared in response to the RFP #04-2025 Town of Boonton Professional Services General Engineering Services.

The statement briefly discusses Fastech Consulting Engineer's understanding of the scope of work as advertised in the RFQ. The Statement presents Company's ability to handle the requested scope of work. The Company's Profile reflects the firm's philosophy to provide services to our valued clients at an affordable cost followed by a description of company's relevant experience in the areas of:

- **Municipal Engineering**
- **Roadway and Intersection Improvements**
- **Civil and Site Engineering**
- **Traffic Engineering and Safety**
- **Drainage Improvements and Stormwater Management**
- **Construction Inspection and Project Management**
- **Water & Wastewater Engineering:**
- **Regulatory Compliance & Permitting**
- **Environmental Engineering**

The Qualification Statement provides information about company's organization, and key staff.

The Statement provides the following information:

- Corporate Information providing Full name and business address and Contact Person's name and information
- Complete list of all individuals who will provide services to the Town of Boonton along with the resumes and professional and educational qualifications of each person. Each person is identified as either in-house or contracted
- Number of years that each individual has provided services to municipal entities in the State of New Jersey
- Descriptive overview of services that will be provided to the Town of Boonton
- Copy of the professional liability insurance policy maintained by Fastech Consulting Engineers
- Statement listing the professional service fees offered to the Town of Boonton
- List and explanation of all professional liability claims, if any, brought against Fastech Consulting Engineers during the past five (5) years

- Names, addresses and contact information for references of clients for which Fastech Consulting Engineers has provided services
- List of appropriate licensures (Federal, State and Local) to perform described activities
- All forms and certificates required.

The Statement provides brief description of projects completed by Fastech under Municipal Engineering, Civil Engineering, Construction Management, and Inspection.

Municipal Engineering is our main focus. The professionals at Fastech Consulting Engineers possess an in-depth understanding of local government processes and the professional services required to meet the needs of the community. Each member of our firm acknowledges the vital role municipal officials play in maintaining the quality of life for the public which they serve and strive to exceed our client's expectations through our responsiveness and dedication to excellence.

Our team of municipal consulting experts clearly understand the time and budget constraints while executing various municipal projects and ensure that the projects get completed on time and within budget keeping in view all the policies and procedures of local aid granting bodies like NJDOT, CDBG, Open Space Fund etc.

President of Fastech, Ms. Farah Gilani, serves as a **President of Executive Board of New Jersey Society of Municipal Engineers (NJSME)** where she is actively involved in pursuing issues important to Municipal engineers and municipalities in general.

We have been serving several townships within North Jersey area for past fifteen years for example **Borough of Prospect Park** and **Township of Teaneck** to name a few. We have excellent knowledge of municipal engineering needs and challenges. We are conveniently located in the City of Hackensack in Northern New Jersey.

Corporate Information**Name of Firm:**

Fastech Consulting Engineers
235 Moore Street, Suite 200
Hackensack, NJ 07601
(201) 345-4647
(201) 591-7074 (Fax)

Key Contact:

Farah Gilani P.E., C.M.E., P.P.
(201) 602-0284 (Cell)

Business Organization:

Limited Liability Corporation (Registered in NJ)

Formation Date:

April 16th, 2009

Ownership:

Name & Address	Ownership	Date Formed
Farah Gilani 288 Fabry Terrace Teaneck, NJ 07666	100%	04/16/09

Number of years under present name	Number of years under current management
16 Years	16 Years

Employees Type:

Fastech Consulting Engineers generally employs Non-Union employees.

Certifications:

- Certified Minority and Women based Enterprise (MWBE) by State of New Jersey, State of New York, City of Newark, Port Authority of NY & NJ
- Certified Small Business Enterprise by State of New Jersey
- Certified Disadvantaged Business Enterprise (DBE) by NJ Transit and Port Authority of NY & NJ

Proposed Personnel

Farah Gilani, PE, PP, CME will be the primary consultants assisted by David Garval PE, Ronald F Dooney JR., Licensed Site Remediation Professional (LSRP) and Arsalan Gilani, PMP as needed.

Name	Title	Years of Experience	Education, Qualification and Experience
Farah Gilani P.E., P.P., C.M.E	Principal Engineer	27+ (22+ Municipal)	MSCE, PE, PP, CME See attached resume. In-house
David Garval P.E., C.M.E	Professional Civil Engineer	25+ (20+ Municipal)	BSCE, See attached resume. In-house
Ronald F Dooney, JR. LSRP	Senior Environmental Engineer	26+ (17+ Municipal)	BSGeo, LSRP, See attached resume. Contracted
Mame Fall, P.E.	Professional Civil Engineer	9+	P.E., See attached Resume
Esmerlyn Capellan	Construction Inspector	20+ (5+ Municipal)	Bachelor's in Civil Engineering
Mirzan Osman	Senior CAD Designer	31+ Municipal	Advanced Course in AutoCAD Land Development from BrookDale & Essex Community Colleges. In-House
Arsalan Gilani, PMP	Project Manager	26+ (12+ Municipal)	MSEE, PMP, See attached resume. In-house

All the personnel assigned to the Town of Boonton are In-house. The only exception is Mr. Ronald F Dooney JR. LSRP who is contracted to provide services to Fastech Consulting Engineers as a sub-contractor.

All the above-mentioned consultants will be available to accommodate any required meetings of the Town of Boonton.

Resumes of Key Personnel

Education

- M.S. Civil Engineering, 1995
Traffic Transportation Engineering

- B.S. Civil Engineering, 1992

Certifications

- Professional Engineer
NY/NJ/Delaware
- Professional Planner
- Certified Municipal Engineer – CME
- American Society of Civil Engineers – ASCE
- Institute of Transportation Engineer – ITE
- New Jersey Society of Municipal Engineers – NJSME
- American Society of Highway Engineers – ASHE
- Women in Transportation – WTS
- Intelligent Transportation Society – ITS
- Municipal Engineers of NY – MENY
- OSHA 10
- ACI – Concrete Field-Testing Technician – Grade I
- NYCDDC – Water Main Training

Years of Experience

27+

Professional Summary

Ms. Gilani has over 27 years of experience in the field of Civil/Roadway/Traffic and Transportation including reconstruction, design, safety improvements and rehabilitation of transportation facilities. She has successfully completed more than 50 projects in NY and NJ. She's a certified Professional Engineer, Professional Planner and Municipal Engineer. She has great knowledge of AutoCAD 3D Civil, GIS, HCS and many more.

Professional Profile

Ms. Gilani is a licensed professional engineer with diversified and solid civil/construction management/transportation engineering education combined with over 27 years of progressively responsible experience in Civil/Roadway/Traffic and Transportation design and construction management of many municipal Projects.

Highlights of her experience in the states of NY and NJ include Roadway/Civil design, Park and recreational facilities design, traffic and transportation design, MPT Plan design, Drainage and utility design, Project management, construction management of Roadway and other public work projects including underground transmission line, parks and playgrounds, municipal buildings and Parking facilities.

A long list of successful projects is attributable to Ms. Gilani's comprehensive knowledge of engineering practice and nuances of service to both public and private clients.

Expert in AutoCAD Civil 3D, AutoTurn, ArcMap GIS, Synchro and HCS and working knowledge of ITE Trip and Parking Generation, AASHTO Green Book, AASHTO Roadside Design Guide and MUTCD.

Professional Experience

FASTECH CONSULTING ENGINEERS - PRINCIPAL ENGINEER (2009 - Present)

As a President, CEO and Principal Engineer, oversees the daily operations of the firm and manages overall implementation of projects to ensure all client needs are met.

ROADWAY IMPROVEMENT/RECONSTRUCTION PROJECTS:

The below projects involved milling, paving, construction of ADA handicap ramp, concrete sidewalk and driveway apron, drainage improvements and traffic striping. Responsibilities included design and preparation of plans, construction details, specifications and cost estimate for the entire project. Performed bid solicitation, bid analysis and final recommendation. Review and approved all payments and change orders submitted by the contractor. Review progress reports and daily quantities on regular basis.

• **Planten Avenue Improvements, Prospect Park, NJ 2022-2023**

(From North 6th Street to North 8th Street approximately 550 linear feet)

• **North 11th Street Improvements, Prospect Park, NJ 2022-2023**

(From Haledon Avenue to Prescott Avenue approximately 2700 linear feet)

- **2021 Roadway Resurfacing, Teaneck, NJ, 2021-2023**
(This project involved resurfacing of over ±20,000 feet of roadways)
- **North 12th Place Improvements, Prospect Park, NJ 2021**
(From Planten Avenue to Struyk Avenue approximately 750 linear feet)
- **North 12th Street Improvements, Prospect Park, NJ 2021-2022**
(From Haledon Avenue to Dead End approximately 1850 linear feet)
- **2020 Roadway Resurfacing, Teaneck, NJ, 2021**
(This project involved resurfacing of over 4 miles of roadways)
- **North 13th Place & North 9th Street Improvements, Prospect Park, NJ 2020-2021**
(From Prescott Avenue to Dead End approximately 1100 linear feet)
- **North 10th Street Improvements, Prospect Park, NJ 2020**
(From Prescott Avenue to Dead End approximately 290 linear feet)
- **North 15th Street Improvements, Prospect Park, NJ 2019-2022**
(From North Haledon Avenue to Brown Street approximately 880 linear feet)
- **Arlington Ave and Prospect Terrace Improvements, Teaneck, NJ 2022 – 2023**
(Arlington Avenue from East Forest Avenue to Robinson Street, approximately 600 Linear feet and Prospect Terrace from Arlington Avenue to Congress Avenue approximately 450 Linear feet)
- **Resurfacing of Columbus Drive, Teaneck, NJ, 2022**
(From East Cedar Lane to Glen Court approximately 2100 linear feet)
- **Garden Street Improvements, Teaneck, NJ 2022**
(From Teaneck Road to Dead End approximately 1450 linear feet)
- **Reconstruction of Alfred Avenue, Teaneck, NJ, 2021-2023**
(From Decatur Avenue to the dead end approximately 2,500 linear feet)
- **Hickory Street and Woodbine Street Improvements, Teaneck, NJ, 2021**
(From DeGraw Avenue to Fort Lee Road Approximately 850 linear feet and Woodbine Street from DeGraw Avenue to Fort Lee approximately 850 linear feet)
- **2019 Roadway Resurfacing Program Teaneck, NJ-2020-2021**
(This project involved resurfacing of over 3.5 miles of roadways)
- **Resurfacing of Oakdene Avenue, Teaneck, NJ, 2020-22**
(Oakdene Avenue from Queen Anne Road to Teaneck Road approximately 2500 linear feet and Morningside Terrace` from Oakdene Avenue to DeGraw Avenue Road approximately 1000 linear feet)
- **Tryon Avenue Roadway Preservation, Teaneck, NJ, 2020**
(From Teaneck Road to Hargreaves approximately 2,000 linear feet)
- **Elizabeth Avenue Improvements, Teaneck, NJ, 2019 – 2020**
(From Queen Anne Road to Teaneck Road approximately 2,000 linear feet)

WATER, SEWER & DRAINAGE PROJECTS:

In principal, all the above Roadway Improvement Projects also included drainage improvement as needed. Apart from that few significant drainage projects include:

- **Julia Street Sewer Main Replacement, Teaneck, NJ 2022-2023**
As the Principal Engineer, proposed to design the reconstruction of 530 LF of 8" diameter gravity sewer and two manholes parallel to the existing sewer main. Review and approved all payments and change orders submitted by the contractor. Review progress reports and daily quantities on regular basis. Responsible for the construction management and construction inspection of the entire project. The scope

of the project consists of the replacement of approximately 530 LF of 8" Sewer main, beginning at sanitary sewer manhole at the intersection of W Forest and Julia Street and proceeding south to Manhole on the Julia Street. The existing 8" clay sewer main ranged from 4' to 6' in depth was in the state of disrepair and needed to be replaced immediately. This line is within the township ROW behind the easterly curb and sidewalk. There were retaining walls close to the sewer main which could make it difficult to replace the sewer main at the same location.

- **Storm Drainage Investigation for Belle Avenue, Beatrice Street and Beverly Road Area, Teaneck, NJ**
Investigated the survey results, made recommendations to township to resolve drainage and flooding issue. Prepared improvement plans with cost estimates and possible phasing options. The scope of project included investigating the existing storm drainage system on Belle Avenue, Beatrice Street, Beverly Road and other tributary streets to identify possible improvements that would alleviate flooding on Belle Avenue, Beatrice Street and Beverly Road area.
- **Van Arsdale Avenue Drainage Improvements and Reconstruction of Ries Avenue, Teaneck, NJ**
Project Engineer for the design for the installation of new storm water drainage system and full depth pavement reconstruction of the roadways. Designed new roadway horizontal and vertical alignment based on DOT and AASHTO standards. Designed roadway cross section and grading plan. Prepared construction cost estimate. The scope of the work included preparation of drainage study to design the new drainage system.
- **Borough Wide Sanitary Sewer Mapping, Prospect Park, NJ**
Responsible for project coordination between Surveyors and Office staff to furnish the required deliverables. The scope of project consisted of borough wide survey of locating manholes, sanitary and sewer lines and preparing a map, mentioning RIM and INVERT levels of the lines.
- **Ogden Street Drainage Improvements, Teaneck, NJ**
Involved in providing engineering design and construction management services for drainage improvements of the roadway. The ground water at Ogden Avenue was coming out at the front lawn of few houses and spreading on the sidewalk and eventually to the roadway. During the winter time it created icing condition on the sidewalk and the intersection of Ogden Avenue and River Road which was hazardous for the vehicular and pedestrian traffic. The roadway pavement was in very poor condition. Therefore, the township needed to resolve this issue.

RECREATIONAL PROJECTS:

Managed the below mentioned projects starting from preconstruction phase to the final inspection and project closeout. Reviewed and approved daily quantities and inspection report from the construction inspector and make sure the project is within time and budget.

- **Terhune Park Children Playground Improvements, Teaneck, NJ, 2020**
The scope of the project consisted of improvements to Terhune Park Children Playground. The improvements included site clearing and grading of existing playground and wading pad, construction of a new children playground with concrete pad, safety surface with rubber curb, concrete walkway, installing new playground equipment, resurface of existing playground with engineered wood surface, and other incidental items.
- **Hofstra Park Soccer Field, Prospect Park, NJ**
Designed 5500 SF of new artificial turf soccer Field and preparing cost estimates. Project included, full-sized artificial turf field, new sports lighting, stormwater management, modular block retaining wall, scoreboard, bleachers and other various site amenities.

- **Hofstra Park Improvements, Prospect Park, NJ**

This project involved design and construction of various improvements to the primary recreational facility in the Borough. The improvements consisted of:

Milling and paving of 6,000 SY of roadway leading to the park

Replacement of the masonry steps leading to the children play are and pavilion and installation of galvanized steel railing;

Installation of landscaping improvements throughout the park.

Installation of new Park sign at the entrance, new benches, trash receptacles, picnic tables by the spray pad, installation of pressure boosting pump and rain gutters in the restroom.

Installation of a recirculation system for the spray pad to reduce the water consumption and help mitigate the drainage.

A **Green Award** was granted by Passaic County for this project.

Designed and prepared construction plans, detail and soil erosion detail plan. Prepared bid documents and technical specifications for the project. Performed bid solicitation, bid analysis and final recommendation. Review and approved shop drawings. Review and approved all payments and change orders submitted by the contractor. Prepare final as built drawings. Performed project close out for Passaic county CDBG and Open Space Fund.

- **Votee Park Splash Pad, Teaneck, NJ**

Designed plumbing system and prepared construction plans, monitored construction activities, made sure the project is within budget and timeline. The project consisted of a brand new 2,000 Sq. Ft Water Splash Pad at Votee Park right next to old Children Play and Wood chip exercise areas including an automated recirculation system. The recirculation system had automated chemical controller and was integrated with the splash pad controller. There were 10 play features included in this splash pad along with site amenities like benches, perimeter fence and walkways to facilitate users.

- **Phelps Park Restroom, Teaneck, NJ, 2021-2022**

The scope of the project consists of development of engineering plans and related construction management and inspection services for Reconstruction of Phelps Park restroom. The new Restroom is a prefab 9 Feet 4 inches by 20 Feet structure with 3 rooms including two restrooms for each gender, 1 unisex restroom and a mechanical room.

- **Reconstruction of Votee Park Bandshell, Teaneck, NJ, 2021-2023**

The scope of project included construction of reinforced concrete pad, beam, utilities for the new bandshell, concrete and asphalt walkway, and other incidental items. The new Bandshell is a brand new 26 Feet by 60 Feet structure with 2 rooms, a stage, lighting and other incidental items. Bandshell steel structure, wall panels, roof and other items were not included in our scope and were provided by others

- **Votee Park North Restroom Improvements – Teaneck, NJ**

Construction of Votee Park restroom at the northern section of Votee Park. The new Restrooms will be brand new prefab 9 Feet 4 inches by 20 Feet structure exactly like the one installed in Phelps Park, with 3 restrooms, one for each gender, one for family and a storage area, utilities and other incidental items.

- **Shade & Shelter at Votee Park Splash Pad– Teaneck, NJ**

The project consists of installation of 25 ft x 50 ft Arc Cantilever Shade structure with fabric canopy and metal columns, on southern side of splash pad and installation of a custom 34 ft x 52 ft steel gable shelter with concrete pad on northern side of the splash pad, grading, site restoration and other incidental items.

- **Hawthorne Park Tennis Court – Teaneck, NJ**

This project involved reconstruction of a Tennis court and pickleball courts with full depth reconstruction of the pavement, new chain link fence and gates, drainage improvements, site furnishings, acrylic surfacing and new sidewalk etc.

TRAFFIC ENGINEERING PROJECTS:

In principal, all the Roadway Improvement Projects also included traffic signing, striping, and traffic control and detour plan. Apart from that few significant traffic engineering projects include:

- **Traffic Signal Design at Planten Ave and North 8th Street, Prospect Park, NJ**

Studied and analyzed traffic volume data, signal warrant and intersection capacity to design the signal timings. Also prepared traffic control and detour plan for construction phase and developed technical specifications for installation of new traffic signals. The design was prepared according to MUTCD and NJDOT standards. The intersection of North 8th and Planten Avenue had a history of high rates of accident, the project was aimed to solve this issue.

- **Beverly and River Road Parking Lot Improvements, Teaneck, NJ, 2023**

Designed the parking layout plan in accordance with relevant codes and standards. The scope of the project consisted of resurfacing of Municipal Parking lot at intersection of Beverly Road and River Road comprising of approximately 14,500 Square feet.

- **Borough Wide Parking Improvements, Prospect Park, NJ, 2020-2021**

Responsible for designing optimum parking spaces to cater the borough's and residents needs after careful evaluation of the existing condition. The scope of the project consists of preparation of plans for Borough wide parking improvements. Designed a pilot program to improve parking for the portion of North 8th, Brown, N 9th and 10th Street to stripe the parking spaces to optimize the parking on the street. After successful implementation of the pilot program, borough wide parking was designed on the similar concept.

- **Solar Powered RRFB at Various Locations, Teaneck, NJ, 2020**

Reviewed engineering design plans, specifications and cost estimate. The project included installation of Solar Pedestrian Crossing Rapid Rectangular Flashing Beacon (RRFB) signs at Various location throughout the Township.

- **Municipal Building Parking Lot Resurfacing, Teaneck, NJ, 2021**

Designed parking lot layout, also reviewed and approved daily quantities and inspection report from the construction inspector and make sure the project is within time and budget. The scope of the project consisted of resurfacing of Municipal Building Parking lot at 818 Teaneck Road comprising of approximately 90,000 Square feet.

- **Construction of Palisades Avenue Parking Lot, Teaneck, NJ**

Designed and prepared the parking lot construction plans for a much-needed parking facility in front of the Richard Rodda Community Center. Designed and prepared site plan, drainage and grading plan, soil erosion and sediment control plan and construction detail plan. Prepared engineer's cost estimate and technical specifications. Drainage was handled using Storm-tech Subsurface Stormwater Management system. Carried out Construction inspection of the project and addressed field issues to complete the project.

 BOROUGH OF PROSPECT PARK – BOROUGH ENGINEER (2011 - Present)

As a Borough Engineer, responsible for day to day operation of the engineering function including:

- Technical advice and guidance to Borough administration.
- Project reviews and capital budgeting.

- Coordinate with other departments like DPW and Building in all engineering matters.
- Address Borough Residents' needs, queries and issues. Assisted residents and developers in application process for their projects.
- Coordinate, prepare and submit Grant Applications to various Federal, State and County governments.
- Carried out constructions inspections and other inspections to ensure compliance with Borough ordinances and State statues, various Board decisions and to address any complaints.
- Served as Municipal Stormwater coordinator working with NJ DEP to enforce regulations and educate Borough employees and Town residents.
- Prepared bidding documents for various services and public works projects including bid advertisement, bid distribution, bid receipts, bid tabulation and recommendation for award. Put together resolution of award and contract administration.
- Prepared and certified Vendor Vouchers on Engineering and Public Works Construction projects.
- Worked with State, County and Federal agencies like NJ DOT, NJ DEP, Passaic County, and Utility Companies like PSE&G, Verizon, Cable Companies etc. on construction projects reviews and compliance and to address Borough or Residents' needs and concerns.
- Developed multi-year capital improvement plan and annual operating budget for Engineering department.

TOWNSHIP OF TEANECK - TOWNSHIP ENGINEER (2015 - Present)

As a Township Engineer, responsible for day to day operation of the engineering function including:

- Technical advice and guidance to Township administration.
- Project reviews and capital budgeting.
- Coordinate with other departments like DPW and Building in all engineering matters.
- Address Town Residents' needs, queries and issues. Assisted residents and developers in application process for their projects.
- Coordinate, prepare and submit Grant Applications to various Federal, State and County governments.
- Carried out constructions inspections and other inspections to ensure compliance with Town ordinances and State statues, various Board decisions and to address any complaints.
- Served as Municipal Stormwater coordinator working with NJ DEP to enforce regulations and educate Town employees and Town residents.
- Prepared bidding documents for various services and public works projects including bid advertisement, bid distribution, bid receipts, bid tabulation and recommendation for award. Put together resolution of award and contract administration.
- Prepared and certified Vendor Vouchers on Engineering and Public Works Construction projects.
- Worked with State, County and Federal agencies like NJ DOT, NJ DEP, Passaic County, and Utility Companies like PSE&G, Verizon, Cable Companies etc. on construction projects reviews and compliance and to address Town or Residents' needs and concerns.
- Developed multi-year capital improvement plan and annual operating budget for Engineering department.

TOWNSHIP OF FAIRFIELD - DESIGN ENGINEER (2004 - 2010)

As a Design Engineer, design and prepare plans and specifications for public improvements and is responsible for construction management and the inspection of public works projects. Assumes full responsibility in the absence of the Municipal Engineer.

Worked as an assistant engineer designed and prepared several roadway reconstruction projects.

Designed the horizontal and vertical alignment of the roadway. Designed and Prepared Roadway cross sections. Performed drainage calculations and design roadway drainage. Designed and prepared construction detail and soil erosion detail plans. Designed and prepared traffic control plan.

Prepared Engineer's cost estimate and technical specification and bid documents.

Designed and prepared several other public Improvement projects especially recreational facilities including parks and playground fields.

Keep track of day to day quantities of construction projects and make sure to finish the project within the budget constrained. Supervised construction crew and resolve any engineering issue during construction.

Prepared storm-water management plan and net fill calculations for NJDEP permit application.

Performed origin destination Study, for truck route and weight limit, on several township roadways.

Designed traffic calming measure on several roadways of the town to improve public safety.

Reviewed and commented site plan for permit applications.

Reviewed and commented traffic impact studies for the major development site plan application.

Coordinated and supervised staff response to customer service as related to the investigations of residents inquires and complaints

Assisted in annual budget preparation and track expenses.

Prepared and analyzed GIS mapping using ESRI ARC Map. Collected GIS data using Trimble PROXT for the preparation of utilities as built mapping.

Filled NJDOT grant application of local aid projects.

- **Reconstruction of Big Piece Road section 6,7,8,9 and 10 (Jan 2004- May 2008)**

Designed the horizontal and vertical alignment of the roadway using NJDOT and AASHTO standards.

Designed and Prepared Roadway cross sections.

Performed drainage calculations and design roadway drainage. Designed and prepared construction detail and soil erosion detail plans. Designed and prepared traffic control and detour plan using MUTCD. Prepared plans, storm water management, Netfill calculations to obtain NJDEP stream encroachment permit.

Prepared Engineer's cost estimate and technical specification and bid documents. Performed bid analysis.

- **Reconstruction of Fleetwood Avenue**

- **Reconstruction of Dale Drive**

- **Reconstruction of Old sand Road**

- **Improvements to Sand Road.**

Designed the horizontal and vertical alignment of the roadway using NJDOT and AASHTO standards.

Designed and Prepared Roadway cross sections.

Performed drainage calculations and designed roadway drainage. Design and prepared construction detail and soil erosion detail plans. Designed and prepared traffic control and detour plan using MUTCD. Prepared Bid documents and engineers cost estimate. Prepared technical specifications and details for the project.

- **Improvements to Addison Field**

Designed a flood proof restroom facility, Parking layout, landscape plan, grading and drainage improvements and a baseball field for the park. Prepared drawings and documents and calculations for the NJDEP stream encroachment permit. Performed engineers' cost estimate.

- **Hollywood Avenue pedestrian improvements project**

Designed and prepared plans for the traffic calming measures and pedestrian safety improvements.

Designed handicap ramps and synthetic imprint crosswalks for 25 intersections along Hollywood Avenue.

Prepared bid documents and engineers cost estimate.

Performed construction management and inspection. Keep track of day to day quantities and make sure to finish the project within budget constrained.

- **Hollywood Park Improvements**

Designed a synthetic turf football field, a flood proof storage and restroom facility and drainage and grading improvements for the park.

- **Truck Traffic Study for Horseneck Road**

A Truck Traffic study for Horseneck Road and Little Falls Road was conducted. Data was collected by manual counts and analyzed. The data was presented to surrounding communities and County Engineer for establishment of truck routes within the township.

DEWBERRY - DESIGN ENGINEER (2000 - 2003)

As a design engineer worked on several Land development projects.

Design and develop site plan. Performed zoning analysis. Performed drainage calculations and Drainage design. Design and develop several roadway reconstruction projects. Design the horizontal and vertical alignments based on AASHTO standards using AutoCAD LDD Civil Design. Performed Drainage Calculations and drainage design. Develop soil erosion and sediment control plan, Construction detail plan, traffic control plan and maintenance and protection of traffic plan. Prepared engineers cost estimate technical specification and bid documents. Supervised and checked work of summer intern and drafter in preparation of construction drawings.

- **Construction of Meadowland Pedestrian Bridge Parking Lot, NJ**

Designed and prepared parking lot layout plan to maximize its capacity. Design and prepared drainage and grading plan, soil erosion and sediment control plan and construction detail plan.

- **Addition and alteration to Frisch School Paramus NJ**

- **Health South Medical Center, Toms River, NJ**

- **Kean University Addition to Main Building**

Designed and prepared site plan. Performed zoning analysis. Design and prepared grading and drainage plan, soil erosion and sediment control plan and construction detail plan.

- **Reconstruction of Ludlow Road Parsippany NJ**

- **Reconstruction of Washington Avenue Morristown NJ**

- **Improvements to Elm Street Morristown, NJ**

Designed the horizontal and vertical alignments based on AASHTO standards using AutoCAD LDD Civil Design. Performed Drainage Calculations and drainage design. Developed soil erosion and sediment control plan, Construction detail plan, traffic control plan and maintenance and protection of traffic plan. Prepared engineers cost estimate technical specification and bid documents. Supervised and checked work of summer intern and drafter in preparation of construction drawings.

- **Main Street Streetscape- Sloan park to LaSala's Corner Bloomingdale, NJ**

- **Speedwell Avenue Streetscape Project Morristown, NJ**

Designed and prepared Streetscape improvements e.g. brick paver sidewalks, granite block curbing, pedestrian scale decorative street lighting, site furnishings and bus shelter and landscaping. Prepared engineers cost estimate bid documents and technical specifications.

- **Senior Citizen Parking Lot Bloomingdale NJ**

Designed and prepared the parking lot layout. Prepared stormwater management and net fill calculation for NJDEP permits application. Designed and prepared site plan, drainage and grading plan, soil erosion and sediment control plan and construction detail plan.

Prepared engineer's cost estimate and technical specifications.

PORT AUTHORITY OF NY & NJ - TRAFFIC ENGINEER (1998 – 2000)

Worked as a consultant traffic engineer with the traffic engineering group of Port Authority of NY&NJ and involved in several traffic engineering projects for the Port Authority of NY & NJ facilities. Responsible for the design and prepared traffic control plans and maintenance of traffic plan during construction phases. Traffic control plan involved roadway stripping plan, signage plan using MUTCD and traffic signal plan. Design of safe turning movements for truck and tractor trailers using AASHTO standards and AutoTurn software.

Major projects included:

- **Improvements to East Hanger Road, JFK Airport**

Designed and prepared traffic control and MPT plans for the improvements of East Hanger Road. Traffic control plan included preparation of roadway striping plan and signage plan using Port Authority of NY and NJ standards.

- **Improvements to Marine Air terminal, LaGuardia Airport**

Designed and prepared traffic control plans for the improvements to Marine Air Terminal. Prepared pavement marking and signage plan, using port Authority of NY and NJ standards.

Education

- B.S. Civil Engineering, 1992

Certifications/Licenses

- Professional Engineer: NJ, NY
- American Society of Civil Engineers (ASCE)
- Municipal Engineers of New York City (MENY)
- OSHA 30
- ACI – Concrete Field-Testing Technician – Grade I
- NYCDDC – Water Main Training

Years of Experience

25+

Professional Summary

Mr. Garval has over 25 years of experience in the field of Civil, Roadway, Drainage, Sanitary Sewer and Water Distribution Facilities, Designs and Construction Inspections. He has worked on many New York and New Jersey projects including Construction Management, Drainage, Construction Inspection and many more. He has excellent knowledge of AutoCAD 3D, Auto Turn, AASHTO and have great understanding of NYDOT standards. Mr. Garval is licensed New Jersey & New York Professional Engineer and have certification in ASCE & MENY.

Professional Profile

Mr. Garval is licensed professional engineer with diversified solid Civil engineering education combined with over 25 years of progressively responsible experience in Civil/Roadway/ drainage / sanitary sewer and water distribution facilities design and construction inspections. Professional Civil Engineer with years of hands-on experience in site development and roadway design with numerous residential and commercial projects. Skills include managing projects; coordinating between clients, design teams, contractors and local agencies and all aspects of civil engineering design. Highlights of his experience in the state of NJ and NY includes Roadway/ civil design and construction management, drainage, utility and underground transmission line design and construction inspections and parking facility design and construction inspection. Expert in AutoCAD Civil 3D Auto Turn and working knowledge of AASHTO Green Book, MUTCD and NYDOT standards.

Professional Experience**FASTTECH CONSULTING ENGINEERS (2016 - Present)****ROADWAY IMPROVEMENT/RECONSTRUCTION PROJECTS:**

Mr. Garval oversaw design work, reviewed drawings, handled coordination, reviewed contractor's bills and performed project closeouts. The below projects involved milling, paving, construction of ADA handicap ramp, concrete sidewalk and driveway apron, drainage improvements and traffic striping.

- **Arlington Ave and Prospect Terrace Improvements, Teaneck, NJ 2022 – 2023**

(Arlington Avenue from East Forest Avenue to Robinson Street, approximately 600 Linear feet and Prospect Terrace from Arlington Avenue to Congress Avenue approximately 450 Linear feet)

- **2021 Roadway Resurfacing, Teaneck, NJ, 2021-2023**

(This project involved resurfacing of over ±20,000 feet of roadways)

- **2020 Roadway Resurfacing, Teaneck, NJ, 2021**

(This project involved resurfacing of over 4 miles of roadways)

- **North 15th Street Improvements, Prospect Park, NJ 2019-2022**

(From North Haledon Avenue to Brown Street approximately 880 linear feet)

- **Resurfacing of Columbus Drive, Teaneck, NJ, 2022**

(From East Cedar Lane to Glen Court approximately 2100 linear feet)

- **Garden Street Improvements, Teaneck, NJ 2022**

(From Teaneck Road to Dead End approximately 1450 linear feet)

- **Reconstruction of Alfred Avenue, Teaneck, NJ, 2021-2023**

(From Decatur Avenue to the dead end approximately 2,500 linear feet)

- **Hickory Street and Woodbine Street Improvements, Teaneck, NJ, 2021**

(From DeGraw Avenue to Fort Lee Road Approximately 850 linear feet and Woodbine Street from DeGraw Avenue to Fort Lee approximately 850 linear feet)

- **2019 Roadway Resurfacing Program Teaneck, NJ-2020-2021**

(This project involved resurfacing of over 3.5 miles of roadways)

- **Resurfacing of Oakdene Avenue, Teaneck, NJ, 2020-22**

(Oakdene Avenue from Queen Anne Road to Teaneck Road approximately 2500 linear feet and Morningside Terrace` from Oakdene Avenue to DeGraw Avenue Road approximately 1000 linear feet)

- **Tryon Avenue Roadway Preservation, Teaneck, NJ, 2020**

(From Teaneck Road to Hargreaves approximately 2,000 linear feet)

- **Elizabeth Avenue Improvements, Teaneck, NJ, 2019 – 2020**

(From Queen Anne Road to Teaneck Road approximately 2,000 linear feet)

WATER, SEWER & DRAINAGE PROJECTS:

In principal, all the above Roadway Improvement Projects also included drainage improvement. Apart from that few significant drainage projects include:

- **Julia Street Sewer Main Replacement, Teaneck, NJ 2022-2023**

Leading Design for this project Mr. Garval was responsible for design, preparing bidding documents, cost estimate and coordination. The scope of the project consists of the replacement of approximately 530 LF of 8" Sewer main, beginning at sanitary sewer manhole at the intersection of W Forest and Julia Street and proceeding south to Manhole on the Julia Street. The existing 8" clay sewer main ranged from 4' to 6' in depth was in the state of disrepair and needed to be replaced immediately. This line is within the township ROW behind the easterly curb and sidewalk. There were retaining walls close to the sewer main which could make it difficult to replace the sewer main at the same location.

- **Storm Drainage Investigation for Belle Avenue, Beatrice Street and Beverly Road Area, Teaneck, NJ**

Proposed design options with cost estimates to the township. The scope of project included investigating the existing storm drainage system on Belle Avenue, Beatrice Street, Beverly Road and other tributary streets to identify possible improvements that would alleviate flooding on Belle Avenue, Beatrice Street and Beverly Road area.

- **Borough Wide Sanitary Sewer Mapping, Prospect Park, NJ**

As Lead Engineer of the project he managed the field crew, coordinated with surveyors and assisted in mapping and drawings. The scope of project consisted of borough wide survey of locating manholes, sanitary and sewer lines and preparing a map, mentioning RIM and INVERT levels of the lines.

- **Van Arsdale Avenue Drainage Improvements and Reconstruction of Ries Avenue, Teaneck, NJ**

Design new roadway horizontal and vertical alignment, roadway cross section and grading plans based on DOT and AASHTO standards. The project involved the design for the installation of new storm water drainage system and full depth pavement reconstruction of the roadways. The scope of the work included preparation of drainage study to design the new drainage system.

- **Hofstra Park Soccer Field, Prospect Park, NJ**

Designed layouts and details and prepared bid package. This project involved the design and construction of 5500 SF of new artificial turf soccer Field. Project included, full-sized artificial turf field, new sports lighting, stormwater management, modular block retaining wall, scoreboard, bleachers and other various site amenities.

RECREATIONAL PROJECTS:

- **Votee Park North Restroom Improvements – Teaneck, NJ**

Mr. Garval handled design, preparing bid documents, cost estimation and coordination with suppliers and contractors. Construction of Votee Park restroom at the northern section of Votee Park. The new Restrooms will be brand new prefab 9 Feet 4 inches by 20 Feet structure exactly like the one installed in Phelps Park, with 3 restrooms, one for each gender, one for family and a storage area, utilities and other incidental items.

- **Shade & Shelter at Votee Park Splash Pad– Teaneck, NJ**

Responsible for design review, preparing bidding documents, cost estimate and coordination. The project consists of installation of 25 ft x 50 ft Arc Cantilever Shade structure with fabric canopy and metal columns, on southern side of splash pad and installation of a custom 34 ft x 52 ft steel gable shelter with concrete pad on northern side of the splash pad, grading, site restoration and other incidental items.

- **Terhune Park Children Playground Improvements, Teaneck, NJ, 2020 -**

Coordinated with contractors and suppliers, performed site visits, attended bid opening and pre-construction meetings. The scope of the project consisted of improvements to Terhune Park Children Playground. The improvements included site clearing and grading of existing playground and wading pad, construction of a new children playground with concrete pad, safety surface with rubber curb, concrete walkway, installing new playground equipment, resurface of existing playground with engineered wood surface, and other incidental items.

- **Phelps Park Restroom, Teaneck, NJ, 2021-2022**

Reviewed and approved design, coordinated with utility service providers and contractor. The project consists of development of engineering plans and related construction management and inspection services for Reconstruction of Phelps Park restroom. The new Restroom is a prefab 9 Feet 4 inches by 20 Feet structure with 3 rooms including two restrooms for each gender, 1 unisex restroom and a mechanical room.

- **Reconstruction of Votee Park Bandshell, Teaneck, NJ, 2021-2023**

Supervised concreting activities, coordinated with prefab structure providers and contractor for proper execution and installation/erection of the prefab structure. The scope of project included construction of reinforced concrete pad, beam, utilities for the new bandshell, concrete and asphalt walkway, and other incidental items. The new Bandshell is a brand new 26 Feet by 60 Feet structure with 2 rooms, a stage, lighting and other incidental items. Bandshell steel structure, wall panels, roof and other items were not included in our scope and were provided by others.

- **FAIRWAY MARKET DISTRIBUTION CENTER – BRONX NYC, NY (2014 – 2016)**

- **Storage Post – Ridgewood NYC, NY**

Project engineer for the construction of 5000Sf of storage facility. Scope of work includes storage facility, parking, utilities & drainage; Approx. \$3M - Responsible for site plan design including utilities, drainage grading, soil erosion and sediment control plan, NYC permitting, construction management & site inspection.

- **Reconstruction of Cobb, Tatum & Harrison St Improvements – Little Rock, AR**

As a project manager responsible for the design and construction of the project. This project involved full depth reconstruction of approximately 5000 linear feet long roadway to improve the pavement condition and drainage of the roadway and the installation of new drainage system, granite block curbing and roadway widening. Designed and prepared bid documents with new horizontal and vertical alignment of the roadway using DOT and AASHTO standards.

Education

- B.S. Geology, 1983

Certifications/Licenses

- Licensed Site Remediation Professional (LSRP)
- OSHA-approved 40-Hour Hazardous Waste Site Worker Training
- NJDEP-certified for UST Closure and Subsurface Evaluation

Years of Experience

26

Professional Summary

Mr. Dooney has over 26 years of experience in the field of Engineering/Environmental Consulting. Mr. Dooney have worked on many projects along some New Jersey Transit properties including the ongoing remedial obligations at the Wayne Bus Facility. Mr. Dooney possesses license in Site Remediation Professional (LSRP), OSHA 40 and NJDEP for UST Closure and Subsurface Evaluation.

Professional Profile

Mr. Dooney has over twenty-six years of experience in the engineering/environmental consulting field and is currently the President and Principal of Technical & Environmental Resource Management Services (TERMS), an environmental consulting firm. Mr. Dooney is responsible for oversight of the Project management group as well as the managing the administrative and business development functions of the firm. Mr. Dooney is currently managing site assessments, remedial investigation, cleanups and providing litigation support at twelve New Jersey Transit properties, including the ongoing remedial obligations at the Wayne Bus Facility. Mr. Dooney is currently involved in several brownfields' investigations and redevelopment projects.

Professional Experience **TERMS ENVIRONMENTAL SERVICES Inc.**
PRINICPAL (1997 - Present)

- **NEW JERSEY TRANSIT:** Mr. Dooney was responsible for Remedial investigations at various facilities including: Dover, Morristown, Matawan, Hoboken, Boonton, Gladstone, Summit, South Amboy, Woodbine, Radburn, Newfoundland, Toms River and Wayne.
- **NEW JERSEY TRANSIT:** Mr. Dooney was responsible for Remedial Investigation, Feasibility Study and Remedial Design for cleanup of South Amboy rail yard, which is heavily contaminated with PCBs. Various cleanup options were explored in detail including capping, thermal desorption, microwave treatment and soil washing.
- **NEW JERSEY TRANSIT:** Mr. Dooney was responsible for Environmental oversight for four years during the construction of the Wayne Bus Maintenance Facility at a former dumpsite in Wayne, NJ. The scope of services involved soil washing and stabilization/solidification, wetlands mitigation, installation of underground storage tank systems, and health and safety. This site was one of the original **BROWNFIELDS REDEVELOPMENT PROJECTS** that involved coordinating with the **NJDEP, NJDOT, NJ Transit** and the **Deputy Attorney General Office**.
 - **Ogden Martin Systems – BROWNFIELDS REDEVELOPMENT PROJECT:** Responsible for environmental and health & safety compliance during the construction of a 1,440-ton resource recovery facility at an uncontrolled landfill. This three-year project included the construction of a controlled landfill, an extensive groundwater

investigation program, and the cleanup design/oversight for soil and groundwater contamination at a former gasoline station associated with the site.

- **Torrington Company/Ingersol Rand:** Remedial Investigations and Cleanup Design for groundwater and free product recovery at numerous former gear manufacturing plants. The scope of work involved obtaining an NJPDES-DSW permit and a Treatment Works approval.
- **Exxon:** Removal of USTs and Remedial Investigations related to tanks at various sites, including the Bayway refinery.
- **RCA/Harris Semi-Conductor:** Remedial project involving decontamination of metals and acid contamination inside circuit board manufacturing facilities.
- **County of Union:** Remedial Investigation, Risk Assessment, Remedial Alternative Analysis, and Development of Remedial Action Plan with oversight during implementation. This project involves an 18-acre site that had been used as a trap and skeet and pistol/rifle range since 1925. The majority of the site is wetlands that are traversed by various streams and the Rahway River. The site is the first trap and skeet range in New Jersey, and one of two in the country, to initiate a Remedial Investigation.
- **Various Banks and Law Firms:** Phase I Environmental Site Assessments and Environmental Audits of vacant and improved commercial and industrial properties.
- **North Bergen I – BROWNFIELDS REDEVELOPMENT PROJECT:** Involving, negotiating with developers, procuring grants, conducting Site Remediation and obtaining a No Further Action Letter.

James C. Anderson Associates, Inc. – Branch Manager – 1991 To 1997

Mr. Dooney was responsible for the management of the North Jersey branch of a mid-sized environmental consulting firm. In this capacity, he was responsible for the scheduling, budgeting, subcontracting and oversight for all technical aspects of these projects, as well as managing the administration and marketing functions of the office.

Mr. Dooney's area of technical responsibility included management of commercial, industrial and public sector projects. Mr. Dooney was responsible for all New Jersey Transit projects, involving more than fifteen sites with the scope of services including: Site Assessments, Underground Storage Tanks, Remedial Investigations, Brownfields Assessment & Redevelopment, Feasibility Studies, Remedial Design, Remedial Oversight and Health & Safety. These projects included work for a major transportation company, resource recovery facilities, constructors, operators, developers and oil companies. Under a corporate restructuring, Mr. Dooney was given the additional responsibility of managing the investigation and remediation for a large holding company and a major pharmaceutical company.

IEA – Project Manager – 1988 To 1991

Mr. Dooney was the Project Manager for various ECRA, UST, NJPDES and Remedial projects throughout the Northeast. Responsibilities included cost control, supervision and coordination of subcontractors, coordination with laboratory project managers, client contact and scheduling activities, as well as technical oversight.

 Borough of West Paterson – Building Department Controller – 1987 To 1988

Mr. Dooney was responsible for the coordination of office operations and issuance of building permits, as well as the oversight of all field inspectors (i.e., building, plumbing, electrical and fire).

 Nigro Bros. Construction – Assistant Project Manager – 1986 To 1987

As Assistant Project Manager for the reconstruction of a major interstate highway, Mr. Dooney was involved in all phases of the project, which included drainage, environmental, excavation, paving, bridge work, etc. In addition, he was solely responsible for biweekly submission of payment requisitions.

 CAM Consulting Engineers – Resident Engineer – 1984 To 1986

Mr. Dooney was the Resident Engineer on a storm sewer and water main project. He was responsible for the oversight of excavation, installation and back filling for a 52-inch pipeline. He was initially employed as a Field Inspector for construction of the Newark PVSC 750-MGD Sewage Treatment Facility, including tank construction, pumping system, site drainage control and other related areas.

Education

B.S. Civil – 2016, Howard University
Washington D.C.

Certifications

- Professional Engineer: NJ
- OSHA 30 Hours
- NYCT Track Training

Years of Experience

9+

Analytical Software

- Synchro
- Highway Capacity Software

Design Software

- AutoCAD
- AutoTURN
- Microsoft Office

Awards**GDOT Super Achievements Award**

For the Contribution to the successful planning, coordination, and execution of GDOT's plan to support the Super Bowl LII in Atlanta

Professional Summary

Ms. Fall has over 9 years of experience in the field of Civil engineering. She has excellent knowledge and understanding of civil engineering concepts, tools, and standards. She has worked with MUTCD, ASHTO, and state DOT design standards. Ms. Fall has successfully conducted and prepared several civil engineering design projects including roadway improvements design, drainage design and traffic engineering design.

Professional Profile

Ms. Fall is an experienced Civil Engineer with over 9 years of experience working on a variety of transportation projects. She has worked with Georgian state DOT where she has created and reviewed Maintenance of Traffic plans for complex projects, designed and managed their Quick Response Projects and performed traffic engineering analysis. She also has experience designing permanent Traffic signing and pavement marking plans. Ms. Fall is proficient in a variety of computer software applications such as AutoCAD, AutoTURN, Microsoft. She has also worked on several water main and sewer improvement projects.

Professional Experience **FASTECH CONSULTING ENGINEERS (2020 - Present)**

- **Belle Avenue Bioswales, Teaneck, NJ**

The project includes installation of 9 bioswales to improve stormwater management. Ms. Fall is currently working on the design of this project, she is also responsible for preparing technical specifications and reviewing plans. The project intends to capture the runoff, filter pollutants and allow water infiltration into the soil. This project is part of the effort to reduce flooding in the Belle Avenue area.

- **Sagamore Park Detention System, Teaneck, NJ**

Similar to Bioswales this project also intends to reduce flooding in the Belle Avenue Area. The project includes the construction of 187,000-gallon capacity detention system at Sagamore Park to manage stormwater. Ms. Fall has worked on the design of this project, reviewed plans, prepared bid package, she was also responsible for preparing DEP green acres diversion permit.

- **2020 Roadway Resurfacing, Teaneck, NJ**

This project involved resurfacing over 4 miles of roadways. The project also included drainage improvements of the roadways. Ms. Fall researched design options for drainage improvements and designed leach inlets to act as an infiltration trench to reduce surface runoff. She also designed network of catch basins, manholes and pipes to manage to stormwater. She also prepared technical specifications and reviewed drawings. During construction she conducted site inspections, updated daily executed quantities and addressed resident's concerns.

- **Traffic Signal Design N-8th Street and Planten Ave, Passaic County NJ**

As a Civil Engineer Ms. Fall was responsible for developing engineering design plans for N-8th and Planten Ave, Passaic County NJ.

Project Included: designing all relevant plans including Construction Plan, Striping and Signing Plan, Traffic Signal Plan, Electrical Plan and Traffic Control Plan. Engineers estimate was also prepared.

- **North 15th Street improvements – Prospect Park, NJ**

As a Civil Engineer Ms. Fall was responsible for developing construction plans for the roadway improvements project.

Project Included: Roadway resurfacing, Drainage improvements, Traffic improvements, New ADA ramps, Concrete curbs, and sidewalk

- **SE Quadrant ADA Ramp Improvements – Teaneck, NJ**

As a Civil Engineer Ms. Fall was responsible for developing engineering design plans for the ADA ramp improvements project.

Project Included: Installation of ADA ramps according to latest ADA standards to the entire SE quadrant of the township. Project include installation of approximately 70 ADA ramps.

- **Windsor Road Improvements – Teaneck, NJ**

As a Civil Engineer Ms. Fall was responsible for developing construction plans and specifications for the roadway improvements project.

Project Included: Roadway resurfacing, Drainage improvements, Traffic improvements, New ADA ramps, Concrete curbs and sidewalk

- ✚ **NYCDOT Pedestrian Ramp Program – Construction Inspector – August 2019 to Present**

- Performed inspection of ADA pedestrian ramps to ensure that all work is performed according to approved plans and specifications and follows all City, State and Federal standards.
- Generated daily detailed engineering inspection reports and maintained accurate records of construction activities
- Addressed field issues to comply with ADA Standards for Accessible Designs and ensured proper runs and slopes for the pedestrian ramps

- ✚ **Georgia Department of Transportation, Atlanta, GA – Traffic Operations Engineer II – July 2017 to July 2019**

- Managed GDOT traffic operations engineering functions in Clayton and Douglas Counties
- Performed traffic engineering analysis, design, plan review, and inspection for State and Federally Funded projects
- Conducted and prepared Traffic Engineering Studies with consideration to alternative intersection and multi-modal facility designs; providing recommendations for operational improvement
- Reviewing and approving all ADA Compliant Driveway and Encroachment Permits
- Designed and managed “Quick Response Projects” with budget of \$200,000- and 3-6-months project duration
- Performing Roadway Safety Audits in collaboration with other municipal agencies
- Designed complex, multi-phase Maintenance of Traffic plans for roadway construction projects of various disciplines
- Designed permanent Traffic signing and pavement marking plans

- Analyzed police accident reports, summarize accident data in high quality Highway Safety Investigation reports, and prepare collision
- Diagrams illustrating the accident data. Support this effort by performing observational field studies

 T.Y. Lin International Group, New York, NY – Construction Engineer – May 2016 to June 2017

- **NYC DDC Montefiore Park Improvement**
 - **NYC DDC Rehabilitation of Intercepting Sewers**
 - **NYCHA Physical Needs Assessment 2017**
 - Oversight of all contractors' work for conformance to NYC DDC plans, specifications, and contract requirements
 - Performed daily site patrols for Safety, Maintenance/ Protection of Traffic on heavily saturated roadways for Maintenance of Site compliance
 - Facilitated field meetings with the contractor to review and coordinate all scheduled work activities
- Reviewed and monitored scheduled activities including submittals, material procurement, and construction tasks.

Education

- MS Civil Engineering, NJIT 2021
- BS Civil Engineering, NJIT 2019

Certifications/Licenses

- E.I.T.
- OSHA 10
- ACI – Concrete Field-Testing Technical Grade – I
- Fundamentals of Engineering
- Green Infrastructure Champions

Years of Experience

5+

Professional Summary

Mr. Capellan has over 5 years of experience in the field of Civil Engineering Design, including preparation of Construction, Plans and specifications. He has worked on various projects and completed every project with great attention to detail and on time. He has completed a Green Infrastructure Training for planning and design from Rutgers University. Mr. Capellan possess OSHA 10 certification and has good knowledge of computer software including AutoCAD and MS Office.

Professional Profile

Mr. Capellan is a result-oriented Construction Inspector with over 5 years of successful experience in Engineering Design. Mr. Capellan possess outstanding skills in ensuring quality at the project site by supervising the work and conducting quality tests & inspection, reviewing project plans for civil works and by implementing preventive & corrective actions. His expertise in supervising site construction activities is by following engineering plans and specifications. Mr. Capellan has completed every project with great attention to detail and on time. He possesses OSHA 10 along with good knowledge of computer software including AutoCAD and MS Office. Mr. Capellan is bi-lingual and can speak Spanish at native proficiency which helps him to be very effective with the construction crews while inspecting and managing a construction project. Having the design knowledge and experience makes Mr. Capellan more effective in his construction inspection role.

Professional Experience

FASTECH CONSULTING ENGINEERS (2019 - Present)

ROADWAY IMPROVEMENT/RECONSTRUCTION PROJECTS:

Responsible for construction inspection, ensuring timely completion of work, adherence to safety standards, quality control, daily quantity review and creating punchlist for roadway improvements projects. The below projects involved milling, paving, construction of ADA handicap ramp, concrete sidewalk and driveway apron, drainage improvements and traffic striping.

- **2022 Roadway Resurfacing, Teaneck, NJ, 2022-2023**

(This project involved resurfacing of over 4 miles of roadways)

- **Arlington Ave and Prospect Terrace Improvements, Teaneck, NJ 2022 – 2023**

(Arlington Avenue from East Forest Avenue to Robinson Street, approximately 600 Linear feet and Prospect Terrace from Arlington Avenue to Congress Avenue approximately 450 Linear feet)

- **Planten Avenue Improvements, Prospect Park, NJ 2022-2023**

(From North 6th Street to North 8th Street approximately 550 linear feet)

- **Garden Street Improvements, Teaneck, NJ 2022**

(From Teaneck Road to Dead End approximately 1450 linear feet)

- **Reconstruction of Alfred Avenue, Teaneck, NJ, 2021-2023**

(From Decatur Avenue to the dead end approximately 2,500 linear feet)

- **2021 Roadway Resurfacing, Teaneck, NJ, 2021-2023**
(This project involved resurfacing of over ±20,000 feet of roadways)
- **2020 Roadway Resurfacing, Teaneck, NJ, 2021**
(This project involved resurfacing of over 4 miles of roadways)
- **Resurfacing of Oakdene Avenue, Teaneck, NJ, 2020-22**
(Oakdene Avenue from Queen Anne Road to Teaneck Road approximately 2500 linear feet and Morningside Terrace from Oakdene Avenue to DeGraw Avenue Road approximately 1000 linear feet)
- **Tryon Avenue Roadway Preservation, Teaneck, NJ, 2020**
(From Teaneck Road to Hargreaves approximately 2,000 linear feet)
- **Elizabeth Avenue Improvements, Teaneck, NJ, 2019 – 2020**
(From Queen Anne Road to Teaneck Road approximately 2,000 linear feet)
- **2019 Roadway Resurfacing Program Teaneck, NJ-2020-2021**
(This project involved resurfacing of over 3.5 miles of roadways)
- **North 15th Street Improvements, Prospect Park, NJ 2019-2022**
(From North Haledon Avenue to Brown Street approximately 880 linear feet)
- **Resurfacing of Columbus Drive, Teaneck, NJ, 2022**
(From East Cedar Lane to Glen Court approximately 2100 linear feet)
- **Hickory Street and Woodbine Street Improvements, Teaneck, NJ, 2021**
(From DeGraw Avenue to Fort Lee Road Approximately 850 linear feet and Woodbine Street from DeGraw Avenue to Fort Lee approximately 850 linear feet)

WATER, SEWER & DRAINAGE PROJECTS:

In principal, all the above Roadway Improvement Projects also included drainage improvement. Apart from that few significant drainage projects include:

- **Julia Street Sewer Main Replacement, Teaneck, NJ 2022-2023**
Responsible for construction inspection of laying of sewer pipes and backfilling and also responded to residents' complaints. The scope of the project consists of the replacement of approximately 530 LF of 8" Sewer main, beginning at sanitary sewer manhole at the intersection of W Forest and Julia Street and proceeding south to Manhole on the Julia Street. The existing 8" clay sewer main ranged from 4' to 6' in depth was in the state of disrepair and needed to be replaced immediately. This line is within the township ROW behind the easterly curb and sidewalk. There were retaining walls close to the sewer main which could make it difficult to replace the sewer main at the same location.
- **Phelps Park Restroom, Teaneck, NJ**
Mr. Capellan supervised construction activities and ensured safety standards were followed. The scope of the project consists of development of engineering plans and related construction management and inspection services for Reconstruction of Phelps Park restroom. The new Restroom is a prefab 9 Feet 4 inches by 20 Feet structure with 3 rooms including two restrooms for each gender, 1 unisex restroom and a mechanical room.
- **Milling & Paving Inspections, City of Newark, NJ**
The project included inspection for the Milling and Paving operation of the various streets throughout the city due to lead replacement project. Mr. Capellan's responsibilities included compliance with NJDOT and City of Newark's standards. He oversaw the milling and paving operation, identified and properly inspected all the in-street water appurtenances including utility valve boxes, manhole covers storm inlets etc. during and after the milling operation for any damage or misalignments. Notified the city officials if any of the

appurtenance need repair or a riser, so that repairs are done before the paving operation and if needed, risers are provided to the contractor. Conducted walk thru of the scheduled paving area to make sure that all the required repairs are completed before the paving operation. Supervising the paving operation to ensure that all the utility valve boxes, manhole covers, storm inlets etc. are properly exposed after the paving operation. Creating and raising punch-list of any repairs and defect.

- **Township of Teaneck – Lead Water Main Replacement throughout the Township – Teaneck, NJ**

Construction inspector for the water main replacement services throughout the township. Mr. Capellan was responsible making sure that the contractor replaced the water main and provided services as per township detail & specifications.

RECREATIONAL PROJECTS:

- **Votee Park Basketball Court – Teaneck, NJ**

Mr. Capellan performed daily inspections and progress reports. He supervised excavation, grading, curb work, asphalt placement, court painting and fence posts installation. The scope of the project consists of reconstruction of entire Basketball court in Votee Park. The improvements include excavation and removal of the current Basketball court, installation of new base, new asphalt pavement surface, installation of new chain link fence, and new surface paint and striping etc.

- **Terhune Park Children Playground Improvements, Teaneck, NJ, 2020 - 2022**

Mr. Capellan was responsible for construction inspection, quality control, responding to RFIs, preparing progress report and punch-list. The scope of the project consisted of improvements to Terhune Park Children Playground. The improvements included site clearing and grading of existing playground and wading pad, construction of a new children playground with concrete pad, safety surface with rubber curb, concrete walkway, installing new playground equipment, resurface of existing playground with engineered wood surface, and other incidental items.

- **Reconstruction of Votee Park Bandshell, Teaneck, NJ, 2021-2023**

Supervised steel structure installation, electrical work, framing and roof work. The scope of project included construction of reinforced concrete pad, beam, utilities for the new bandshell, concrete and asphalt walkway, and other incidental items. The new Bandshell is a brand new 26 Feet by 60 Feet structure with 2 rooms, a stage, lighting and other incidental items. Bandshell steel structure, wall panels, roof and other items were not included in our scope and were provided by others.

- **Hawthorne Park Tennis Court – Teaneck, NJ, 2021**

Mr. Capellan performed daily inspections and progress reports. Mr. Capellan made sure that the project was constructed according to the plans and specifications. He prepared the final punch list and performed final inspection. This project involved reconstruction of a Tennis court and pickleball courts with full depth reconstruction of the pavement, new chain link fence and gates, drainage improvements, site furnishings, acrylic surfacing and new sidewalk etc.

- **Garcia Development – Bona, Dominican Republic – Foreman (2001 - 2004)**

- Managed multiple teams of construction workers in projects ranging from new residential and commercial construction, rehabilitation, high end finishes and government work.
- Managed goals to cost by reducing overtime and increasing efficiency.
- Consistently delivered above expectations meeting the projects on schedule.
- Worked with management to develop schedules and process change orders as needed.
- Hired and trained new employees.

Education

- AS, Civil Engineering, 1980

Certifications

- Advanced Course in AutoCAD
- Land Development from Brook Dale & Essex Community Colleges
- NICET III

Years of Experience

30

Professional Summary

Mr. Osman has over 30 years of experience in the field of AutoCAD. He has prepared and created various CAD drawings including Traffic Engineering, Site/Civil Planning, Parking Lot, Drainage & Storm-water, Commercials, Multi Unit Residential Land Development Plans, Roadway & Highway Improvement Projects for PANYNJ, NJDOT, NYCDOT, NYC DDC and many local and county governments.

Professional Profile

Mr. Osman is a Senior CAD Designer with 30 years of experience in CAD and AutoCAD drafting. He has extensive knowledge of Auto CAD Civil 3D and has experience in Site/Civil planning, Design and Layout (concept plans, maintenance and work area protection plans, Site layout, Grading, Drainage & Storm water and preparing water and waste water improvement plans. He is an expert in AutoCAD 3D and has prepared several water main, sewer main and drainage improvement plans. He has also prepared roadway horizontal and vertical profiles, and cross sections using AutoCAD Civil 3D. Mr. Osman has also worked on large scale projects such as Commercials and Multi unit residential land development plans, Zoning plans, Tax maps, Concept plans, Landscape plans, Road work improvements including cross sections and details, Sketches and Exhibits, Earth work Estimates and Materials quantities. Mr. Osman experience includes roadway and highway improvement projects, traffic control plans, and traffic detour plans for PANYNJ, DOTs and Municipalities. Mr. Osman also possesses experience in AutoTurn, GuideSign, GIS and ArcInfo software. He is knowledgeable in Environmental remediation projects and Landscape Architecture (Planting plans, Lighting Plans, Athletic Fields and Parks, Planting Lists) projects.

Professional Experience

FASTECH CONSULTING ENGINEERS (2016 - Present)

ROADWAY RECONSTRUCTION/IMPROVEMENT PROJECTS:

Responsible for preparation of construction plans, details and drawings on AutoCAD for projects mentioned below which included milling, paving, construction of ADA handicap ramp, concrete sidewalk and driveway apron, drainage improvements and traffic striping.

- **2022 Roadway Resurfacing, Teaneck, NJ, (On going)**

(This project involved resurfacing of over 4 miles of roadways)

- **Resurfacing of Columbus Drive, Teaneck, NJ, 2022**

(From East Cedar Lane to Glen Court approximately 2100 linear feet)

- **Reconstruction of Alfred Avenue, Teaneck, NJ, 2021-2023**

(From Decatur Avenue to the dead end approximately 2,500 linear feet)

- **2021 Roadway Resurfacing, Teaneck, NJ, 2021-2023**

(This project involved resurfacing of over ±20,000 feet of roadways)

- **Hickory Street and Woodbine Street Improvements, Teaneck, NJ, 2021**

(From DeGraw Avenue to Fort Lee Road Approximately 850 linear feet and Woodbine Street from DeGraw Avenue to Fort Lee approximately 850 linear feet)

- **2020 Roadway Resurfacing, Teaneck, NJ, 2021**

(This project involved resurfacing of over 4 miles of roadways)

- **Resurfacing of Oakdene Avenue, Teaneck, NJ, 2020-22**

(Oakdene Avenue from Queen Anne Road to Teaneck Road approximately 2500 linear feet and Morningside Terrace` from Oakdene Avenue to DeGraw Avenue Road approximately 1000 linear feet)

- **Tryon Avenue Roadway Preservation, Teaneck, NJ, 2020**

(From Teaneck Road to Hargreaves approximately 2,000 linear feet)

- **Elizabeth Avenue Improvements, Teaneck, NJ, 2019 – 2020**

(From Queen Anne Road to Teaneck Road approximately 2,000 linear feet)

- **2019 Roadway Resurfacing Program Teaneck, NJ-2020-2021**

(This project involved resurfacing of over 3.5 miles of roadways)

- **Planten Avenue Improvements, Prospect Park, NJ 2022-2023**

(From North 6th Street to North 8th Street approximately 550 linear feet)

- **North 11th Street Improvements, Prospect Park, NJ 2022-2023**

(From Haledon Avenue to Prescott Avenue approximately 2700 linear feet)

- **North 12th Place Improvements, Prospect Park, NJ 2021**

(From Planten Avenue to Struyk Avenue approximately 750 linear feet)

- **North 12th Street Improvements, Prospect Park, NJ 2021-2022**

(From Haledon Avenue to Dead End approximately 1850 linear feet)

- **North 13th Place & North 9th Street Improvements, Prospect Park, NJ 2020-2021**

(From Prescott Avenue to Dead End approximately 1100 linear feet)

- **North 10th Street Improvements, Prospect Park, NJ 2020**

(From Prescott Avenue to Dead End approximately 290 linear feet)

- **North 15th Street Improvements, Prospect Park, NJ 2019-2022**

(From North Haledon Avenue to Brown Street approximately 880 linear feet)

- **Arlington Ave and Prospect Terrace Improvements, Teaneck, NJ 2022 – 2023**

(Arlington Avenue from East Forest Avenue to Robinson Street, approximately 600 Linear feet and Prospect Terrace from Arlington Avenue to Congress Avenue approximately 450 Linear feet)

WATER, SEWER & DRAINAGE PROJECTS:

In principal, all the above Roadway Improvement Projects also included drainage improvement. Apart from that few significant drainage projects include:

- **Fairview Avenue Reconstruction, Water Main and Drainage Improvements, Prospect Park, NJ**

This is a NJDOT funded project which involved full depth reconstruction of the 3000 LF of roadway including Replacement of 8” Ductile Iron water main and installation of new drainage system. Mr. Osman prepared construction plans and details for this project.

- **Replacement of Julia Street Sewer Mains – Teaneck, NJ**

Mr. Osman provided CAD Design plans for replacement of 550 ft of 8” Sewer Mains including details for smooth transition from the old line to the new line with new connection laterals.

- **Belle Avenue Drainage Improvements – Teaneck, NJ**

Worked on the drainage study by creating model in AutoCAD Storm and Sanitary analysis (SSA) module and run multiple simulations for existing and proposed situation to help the design team come up with most optimal design. Created AutoCAD plans for drainage improvements for an area that constantly flooded in intense rainstorms.

- **Belle Avenue Emergency Stormwater Culvert Construction – Teaneck, NJ**

As the senior CAD designer Mr. Osman prepared construction plans, details and as-built drawings for the box culvert installation at Belle Avenue to prevent flooding conditions during rainfall. The project included construction of a 9'x4'x250' stormwater culvert, stormwater manholes, outlet control structures, curb, sidewalk, and driveway apron restoration, as well as the implementation of soil erosion and sediment control measures.

- **Hofstra Park Soccer Field - Borough of Prospect Park NJ**

As a CAD designer Mr. Osman was responsible for preparing plans for Hofstra Park soccer field project. This project included construction of a brand new 55,000SF of artificial turf soccer field. Plans included cover sheet, existing conditions plan, construction plan, grading and Drainage plan, electrical improvements plan, soil erosion and sediment control plans and construction details.

- **Borough Wide Sanitary Sewer Mapping, Prospect Park, NJ**

The scope of project consisted of borough wide survey of locating manholes, sanitary and sewer lines and preparing a map, mentioning RIM and INVERT levels of the lines. Coordinated with survey team, assisted in mapping and furnishing drawings.

- **Water Drain Update – Fairfield, NJ**

As a CAD designer Mr. Osman was responsible for preparing construction plans for this project to include in GIS data.

Project Included: Updated water main plans, GIS data plans, construction details plans.

RECREATIONAL PROJECTS:

- **Votee Park North Restroom Improvements – Teaneck, NJ**

Prepared preliminary and construction drawings for construction of Votee Park restroom at the northern section of Votee Park. The new Restrooms will be brand new prefab 9 Feet 4 inches by 20 Feet structure exactly like the one installed in Phelps Park, with 3 restrooms, one for each gender, one for family and a storage area, utilities and other incidental items.

- **Shade & Shelter at Votee Park Splash Pad– Teaneck, NJ**

As a CAD designer Mr. Osman prepared construction plans and details. The project consisted of installation of 25 ft x 50 ft Arc Cantilever Shade structure with fabric canopy and metal columns, on southern side of splash pad and installation of a custom 34 ft x 52 ft steel gable shelter with concrete pad on northern side of the splash pad, grading, site restoration and other incidental items.

- **Votee Park Basketball Courts, Teaneck, NJ**

Mr. Osman conducted field visits to survey existing conditions and drafted construction plans for Votee Park Basketball Courts including new fencing, full depth reconstruction of basketball courts, new surface paint, new lockers, electrical improvements, and other site amenities.

- **Phelps Park Restroom, Teaneck, NJ**

Prepared preliminary and construction drawings for reconstruction of Phelps Park restroom. The new Restroom is a prefab 9 Feet 4 inches by 20 Feet structure with 3 rooms including two restrooms for each gender, 1 unisex restroom and a mechanical room.

- **Hawthorne Park Tennis Court- Township of Teaneck NJ**

As a CAD designer Mr. Osman was responsible for preparing plans for the reconstruction of Tennis court at Hawthorne Park.

Project Included: Cover sheet, Estimates of quantities and general notes, Construction plans, Soil erosion and sediment control plan, Construction detail plans.

TRAFFIC ENGINEERING PROJECTS:

All the above Roadway Improvement Projects also included traffic signing, striping, and traffic control and detour plan. Apart from that few significant traffic engineering projects include:

- **Traffic Signal Design at Planten Ave and North 8th Street, Prospect Park, NJ**

Prepared construction plans for installation of new traffic signal at the intersection of North 8th and Planten Avenue. The project included traffic study, new traffic signal installation, striping and signing work and reconstruction of sidewalks and ramps.

- **Traffic Engineering operation support services for NJ Aviation Facilities – PANYNJ**

As a senior design CAD operator, Mr. Osman provided drafting services for the day-to-day operation for the NJ Aviation facilities. The scope of services included preparing signing and striping plans and preparing Maintenance of traffic plans using latest AutoCAD Civil 3D and PA standards.

- **Engineering Support Services for Traffic Engineering and Construction and Operations Support Services for JFK Redevelopment- PANYNJ**

As a senior design CAD operator, Mr. Osman Provided drafting services for the development and refinement of conceptual roadway improvements plans, parking lot plans, conceptual construction staging plans using AutoCAD Civil 3D and PANYNJ standards. He also produced quantity take off to prepare the construction cost estimate for various concept plans.

- **Engineering Support Services for Traffic Engineering and Construction Support Services for various PANYNJ properties - PANYNJ**

Mr. Osman provided drafting services for MOT plans for improvements to various PANYNJ properties like PABT, Lincoln Tunnel, Newark Airport, WTC, Holland Tunnel etc. He utilized latest AutoCAD Civil 3D, AutoTURN and PA standards to deliver these plans.

 CONCEPT ENGINEERING CONSULTANTS – 2015 TO 2016

- **Old Tennent Rd. Cemetery – Manalapan**

Created plans for two phases of site plans designing mausoleum and crematorium sites.

- **Gaiters Village – Sea Bright**

Created final major site plan including DOT plans and traffic plans & details.

Education

- M.S. ELECTRICAL ENGINEERING, 1989
- B.S. ELECTRICAL ENGINEERING, 1986

Certifications

- OSHA 10
- NICET III – Highway Construction Inspection
- Certified ACI Field Technician
- Certified Project Management Professional
- Construction Management Certificate – NJIT
- Municipal Engineers of New York City (MENY)
- American Society of Highway Engineers (ASHE)

Years of Experience

26+

Professional Summary

Mr. Gilani has over 26 years of experience in the field of construction inspection with various roadways, buildings and other public infrastructure facilities. Mr. Gilani has worked on many construction inspections & Resident Engineering Inspection projects. He has also worked on various projects including utility design, storm water management, estimating material, construction management, etc. along with various engineering and management position with Fortune 500 companies in the field of telecommunication, product development and engineering management.

Professional Profile

Mr. Gilani is an experienced professional engineer and project executive with NICET Level III certification with over 13 years' experience in construction inspection of various roadways, buildings and other public infrastructure facilities. Mr. Gilani has extensive experience in inspection of Concrete Sidewalks, ADA Curb Ramps, Concrete Curbs, Roadway Milling and Paving, Full depth reconstruction of roadways, drainage structures, bicycle safe grates, Sanitary Sewer and Water Mains, Electrical and Mechanical components. He is an expert in CPM scheduling and creation of end-to-end project schedules, construction estimation, critical path identification, risk identification and keeping the project activities on track both in terms of cost and timing. He is also well versed in the use of construction management software such as Procore and Kahua.

Professional Experience

FASTECH CONSULTING ENGINEERS (2010 - Present)

ROADWAY IMPROVEMENT/RECONSTRUCTION PROJECTS:

Responsible for construction management, construction inspection, monitoring progress and daily quantities, reviewing and approving contractor's invoices, quality control, preparing punch-list and project closeout for roadway improvements/reconstruction projects mentioned below.

The below projects involved milling, paving, construction of ADA handicap ramp, concrete sidewalk and driveway apron, drainage improvements and traffic striping. Responsibilities included design and preparation of plans, construction details, specifications and cost estimate for the entire project.

- **Planten Avenue Improvements, Prospect Park, NJ 2022-2023**
(From North 6th Street to North 8th Street approximately 550 linear feet)
- **North 11th Street Improvements, Prospect Park, NJ 2022-2023**
(From Haledon Avenue to Prescott Avenue approximately 2700 linear feet)
- **2021 Roadway Resurfacing, Teaneck, NJ, 2021-2023**
(This project involved resurfacing of over ±20,000 feet of roadways)
- **North 12th Place Improvements, Prospect Park, NJ 2021**
(From Planten Avenue to Struyk Avenue approximately 750 linear feet)
- **North 12th Street Improvements, Prospect Park, NJ 2021-2022**
(From Haledon Avenue to Dead End approximately 1850 linear feet)
- **2020 Roadway Resurfacing, Teaneck, NJ, 2021**

(This project involved resurfacing of over 4 miles of roadways)

- **North 13th Place & North 9th Street Improvements, Prospect Park, NJ 2020-2021**
(From Prescott Avenue to Dead End approximately 1100 linear feet)
- **North 10th Street Improvements, Prospect Park, NJ 2020**
(From Prescott Avenue to Dead End approximately 290 linear feet)
- **North 15th Street Improvements, Prospect Park, NJ 2019-2022**
(From North Haledon Avenue to Brown Street approximately 880 linear feet)
- **Arlington Ave and Prospect Terrace Improvements, Teaneck, NJ 2022 – 2023**
(Arlington Avenue from East Forest Avenue to Robinson Street, approximately 600 Linear feet and Prospect Terrace from Arlington Avenue to Congress Avenue approximately 450 Linear feet)
- **Resurfacing of Columbus Drive, Teaneck, NJ, 2022**
(From East Cedar Lane to Glen Court approximately 2100 linear feet)
- **Garden Street Improvements, Teaneck, NJ 2022**
(From Teaneck Road to Dead End approximately 1450 linear feet)
- **Reconstruction of Alfred Avenue, Teaneck, NJ, 2021-2023**
(From Decatur Avenue to the dead end approximately 2,500 linear feet)
- **Hickory Street and Woodbine Street Improvements, Teaneck, NJ, 2021**
(From DeGraw Avenue to Fort Lee Road Approximately 850 linear feet and Woodbine Street from DeGraw Avenue to Fort Lee approximately 850 linear feet)
- **2019 Roadway Resurfacing Program Teaneck, NJ-2020-2021**
(This project involved resurfacing of over 3.5 miles of roadways)
- **Resurfacing of Oakdene Avenue, Teaneck, NJ, 2020-22**
(Oakdene Avenue from Queen Anne Road to Teaneck Road approximately 2500 linear feet and Morningside Terrace` from Oakdene Avenue to DeGraw Avenue Road approximately 1000 linear feet)
- **Tryon Avenue Roadway Preservation, Teaneck, NJ, 2020**
(From Teaneck Road to Hargreaves approximately 2,000 linear feet)
- **Elizabeth Avenue Improvements, Teaneck, NJ, 2019 – 2020**
(From Queen Anne Road to Teaneck Road approximately 2,000 linear feet)

WATER, SEWER & DRAINAGE PROJECTS:

In principal, all the above Roadway Improvement Projects also included drainage improvement. Apart from that few significant drainage projects are mentioned below. Reviewed and approved all payments and change orders submitted by the contractor. Reviewed progress reports and daily quantities on regular basis. Responsible for the construction management and construction inspection.

- **Julia Street Sewer Main Replacement, Teaneck, NJ 2022-2023**
As the Project Manager Mr. Gilani coordinated with all stakeholders and ensured proper execution of work. The scope of the project consisted of the replacement of approximately 530 LF of 8" Sewer main, beginning at sanitary sewer manhole at the intersection of W Forest and Julia Street and proceeding south to Manhole on the Julia Street. The existing 8" clay sewer main ranged from 4' to 6' in depth was in the state of disrepair and needed to be replaced immediately. This line is within the township ROW behind the easterly curb and sidewalk. There were retaining walls close to the sewer main which could make it difficult to replace the sewer main at the same location.

- **NYCDDC, GQBB09-01 – Green Infrastructure in the Bowery Bay, Queens, NY**

This project involves construction of approximately 300 Right-of-Way Green Infrastructure practices in the Bowery Bay CSO Areas in the Borough of Queens. The project was intended to develop green infrastructure as part of DDC's green infrastructure program to help hold the storm water during rain periods and hence reduce the flow of storm water into the combined sewer system. As an Office Engineer on this project Mr. Gilani maintained documentation, inspected punch-list work, organized punch-lists, reports, letters, RFIs and submittals.

- **Van Arsdale Avenue Drainage Improvements and Reconstruction of Ries Avenue, Teaneck, NJ**

Project Engineer for the design for the installation of new storm water drainage system and full depth pavement reconstruction of the roadways. The scope of the work included preparation of drainage study to design the new drainage system.

- **Ogden Street Drainage Improvements, Teaneck, NJ**

Provided construction management services for drainage improvements of the roadway. The ground water at Ogden Avenue was coming out at the front lawn of few houses and spreading on the sidewalk and eventually to the roadway. During the winter time it created icing condition on the sidewalk and the intersection of Ogden Avenue and River Road which was hazardous for the vehicular and pedestrian traffic. The roadway pavement was in very poor condition. Therefore, the township needed to resolve this issue.

- **Construction of Palisades Avenue Parking Lot, Teaneck, NJ**

Project involved construction of parking facility in front of the Richard Rodda Community Center. Mr. Gilani prepared engineer's cost estimate and technical specifications. He also carried out Construction inspection of the project and addressed field issues to complete the project.

- **Hofstra Park Soccer Field, Prospect Park, NJ**

This project involved the design and construction of 5500 SF of new artificial turf soccer Field. Project included, full-sized artificial turf field, new sports lighting, stormwater management, modular block retaining wall, scoreboard, bleachers and other various site amenities.

- **Hofstra Park Improvements – Borough of Prospect Park, NJ**

Provided Construction Inspection Services for major improvements to Hofstra Park. Key components of the project comprised of resurfacing of the road leading and running through the park, extending the water main to baseball fields for water sprinkler system, installation of an automated recirculation system for the spray park, drainage improvement of the basketball field, new signage and landscape improvements. The work involved, besides concrete and asphalt crews, electrical and mechanical contractors. Conducted daily Construction Inspection to monitor and document contractor's timely execution of work and identified any potential coordination, quality, safety and environmental issues. Created daily inspection reports recording quantities. Due to the number of trades involved in this complex project, ensured strict adherence to contract plans and specifications. Created final punch list and project close out documentation. Verified as-built drawings and final quantities.

- **Construction of Spray Park at Hofstra Park – Borough of Prospect Park, NJ**

Provided Construction Inspection services for the construction of a 2,500 Sq. Ft. Spray park with 10 spray features with automated control system. This project included electrical and mechanical components. Created daily inspection reports providing details of work performed on daily basis, recording quantities, evaluating construction progress, establishing contractor's adherence to contract plans and specifications and identifying issues. Created final punch list and project close out documentation. Verified as-built drawings and final quantities.

- **Hofstra Park Sanitary Sewer and Water Main Improvements – Borough of Prospect Park, NJ**
This project comprised of extension of 450 Linear Ft. Water Mains and 1,000 Linear Ft. Sanitary Sewer in Hofstra Park to provide facilities for future amenities. Conducted daily Construction Inspection to monitor and document contractor's timely execution of work and compliance to contract plans and specifications. Created daily inspection reports providing details of work performed on daily basis, recording quantities, evaluating construction progress and identifying issues. Created final punch list and project close out documentation.
- **Votee Park Splash Pad, Teaneck, NJ**
The project consisted of a brand new 2,000 Sq. Ft Water Splash Pad at Votee Park right next to old Children Play and Wood chip exercise areas including an automated recirculation system. The recirculation system had automated chemical controller and was integrated with the splash pad controller. There were 10 play features included in this splash pad along with site amenities like benches, perimeter fence and walkways to facilitate users.

RECREATIONAL PROJECTS:

- **Terhune Park Children Playground Improvements, Teaneck, NJ, 2020-2022**
Managed all the correspondence with stakeholders to ensure thorough communication with them in all phases of the project. The scope of the project consisted of improvements to Terhune Park Children Playground. The improvements included site clearing and grading of existing playground and wading pad, construction of a new children playground with concrete pad, safety surface with rubber curb, concrete walkway, installing new playground equipment, resurface of existing playground with engineered wood surface, and other incidental items.
- **Phelps Park Restroom, Teaneck, NJ, 2021-2022**
Prepared cost estimates, attended meetings and conducted site visits. The scope of the project consists of development of engineering plans and related construction management and inspection services for Reconstruction of Phelps Park restroom. The new Restroom is a prefab 9 Feet 4 inches by 20 Feet structure with 3 rooms including two restrooms for each gender, 1 unisex restroom and a mechanical room.
- **Reconstruction of Votee Park Bandshell, Teaneck, NJ, 2021-2023**
As the Project Manager Mr. Gilani managed the project from design to construction and project closeout. The scope of project included construction of reinforced concrete pad, beam, utilities for the new bandshell, concrete and asphalt walkway, and other incidental items. The new Bandshell is a brand new 26 Feet by 60 Feet structure with 2 rooms, a stage, lighting and other incidental items. Bandshell steel structure, wall panels, roof and other items were not included in our scope and were provided by others.
- **Votee Park North Restroom Improvements – Teaneck, NJ**
Coordinated with the prefab suppliers and contractor, ensuring timely completion of project within allocated budget. Construction of Votee Park restroom at the northern section of Votee Park. The new Restrooms will be brand new prefab 9 Feet 4 inches by 20 Feet structure exactly like the one installed in Phelps Park, with 3 restrooms, one for each gender, one for family and a storage area, utilities and other incidental items.
- **Shade & Shelter at Votee Park Splash Pad– Teaneck, NJ**
The project consists of installation of 25 ft x 50 ft Arc Cantilever Shade structure with fabric canopy and metal columns, on southern side of splash pad and installation of a custom 34 ft x 52 ft steel gable shelter with concrete pad on northern side of the splash pad, grading, site restoration and other incidental items. Managed the project starting from preconstruction phase to the final inspection and project close. Reviewed

and approved daily quantities and inspection report from the construction inspector and make sure the project is within time and budget.

- **Hawthorne Park Tennis Court – Teaneck, NJ**

Provided construction inspection Services for the project. This project involved reconstruction of a Tennis court and pickleball courts with full depth reconstruction of the pavement, new chain link fence and gates, drainage improvements, site furnishings, acrylic surfacing and new sidewalk etc. Managed the project starting from preconstruction phase to the final inspection and project close. Reviewed and approved daily quantities and inspection report from the construction inspector and make sure the project is within time and budget.

TRAFFIC ENGINEERING PROJECTS:

In principal, all the above Roadway Improvement Projects also included traffic signing, striping, and traffic control and detour plan. Apart from that few significant traffic engineering projects include:

- **Beverly and River Road Parking Lot Improvements, Teaneck, NJ, 2023**

The scope of the project consisted of resurfacing of Municipal Parking lot at intersection of Beverly Road and River Road comprising of approximately 14,500 Square feet. Managed the project from preconstruction phase to the final inspection and project close. Reviewed and approved daily quantities and inspection report from the construction inspector and make sure the project is within time and budget.

- **Borough Wide Parking Improvements, Prospect Park, NJ, 2020-2021**

The scope of the project consists of preparation of plans for Borough wide parking improvements. Designed a pilot program to improve parking for the portion of North 8th, Brown, N 9th and 10th Street to stripe the parking spaces to optimize the parking on the street. After successful implementation of the pilot program, borough wide parking was designed on the similar concept. Responsible for construction management, inspection and project closeout.

- **Solar Powered RRFB at Various Locations, Teaneck, NJ, 2020**

The scope of the project consisted of preparation of engineering design plans, specifications, and construction inspection services for construction of Solar Pedestrian Crossing Rapid Rectangular Flashing Beacon (RRFB) signs at Various location throughout the Township. Managed the project starting from preconstruction phase to the final inspection and project close. Reviewed and approved daily quantities and inspection report from the construction inspector and make sure the project is within time and budget.

- **Municipal Building Parking Lot Resurfacing, Teaneck, NJ, 2021**

The scope of the project consisted of resurfacing of Municipal Building Parking lot at 818 Teaneck Road comprising of approximately 90,000 Square feet. Managed the project from preconstruction phase to the final inspection and project close. Reviewed and approved daily quantities and inspection report from the construction inspector and make sure the project is within time and budget.

Hayes Builders – Project Manager – 2007 To 2010

Responsible for all aspects of a multi-million-dollar residential construction company building custom luxury houses in Bergen County, NJ. Managed day to day operation including working with government entities to get proper approvals including required variances. Conducted construction management and inspection of work on daily basis and worked with architects, surveyors and craftsmen to address construction issues. Completed 8 houses in 3 ½ years with an average selling price of over half a million.

1989 To 2007

Various engineering and management positions with Fortune 500 companies in the area of telecommunication product development and engineering management

Scope of Services offered to the Town of Boonton

The Municipal Engineer will provide all engineering services for the Town of Boonton for any and all engineering matters that may be assigned to the Engineer by the Mayor and the Town Council.

The scope of services offered to the Town of Boonton are as follows:

- a) Provide engineering services as requested by the Mayor and Council relating to the operations of the Town.
- b) Perform duties of municipal engineer as set forth by ordinance and general law.
- c) Prepare reports and provide sound advice to the Mayor, Council and Town Administrators regarding projects and potential projects, as well as relevant legislation, ordinances and regulations.
- d) Prepare plans, project specifications and designs for Town projects and improvements.
- e) Attend all council meetings (work sessions, regular meetings, special meetings as requested and executive sessions as requested).
- f) Provide timely response to call outs regarding municipal engineering projects.
- g) Communicate and respond to inquiries from residents or commercial entities as requested by Mayor, Council and Town Administrator.

In addition to the above required minimum scope, Fastech Consulting Engineers will offer the following services:

- a) Assist in the preparation of the Town's Capital and other engineering related budgets.
- b) Review performance/maintenance bonds, as required.
- c) Provide engineering assistance as required in litigation matters.
- d) Respond to OPRA requests.
- e) Provide input for Town's Emergency Management Plan
- f) Provide engineering representation on behalf of the Town, as required.
- g) Act as Municipal Storm Water Coordinator and provide annual inspection and certification to NJ Department of Environmental Protection (NJDEP)
- h) Develop preliminary plans and budgets for capital improvement projects to support grant applications to NJDOT, Local Aid, Community Development Block Grant (CDBG) Program, Open Space Fund and other County, State and Federal entities to improve and resolve problems related to municipal infrastructure
- i) Perform engineering inspections and prepare reports for land development, residential and commercial projects.
- j) Respond and resolve day-to-day problems related to sewer and water mains.

Professional Liability Insurance



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

6/12/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Verona Insurance Agency PO Box 377 Little Falls NJ 07424		CONTACT NAME: Bobbi J Heitmann PHONE (A/C, No, Ext): (973) 785-3700 FAX (A/C, No): (973) 785-8702 E-MAIL ADDRESS: bobbijo@veronainsurance.com															
INSURED FASTECH CONSULTING LLC 235 MOORE STREET, 2ND FL SOUTH HACKENSACK NJ 07601		INSURER(S) AFFORDING COVERAGE <table border="1"> <tr> <th>INSURER</th> <th>NAIC #</th> </tr> <tr> <td>INSURER A: Sentinel Insurance Company Ltd</td> <td>11000</td> </tr> <tr> <td>INSURER B: Hartford Casualty Insurance Company</td> <td>29424</td> </tr> <tr> <td>INSURER C: Beazley Insurance Co Inc</td> <td>37540</td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </table>		INSURER	NAIC #	INSURER A: Sentinel Insurance Company Ltd	11000	INSURER B: Hartford Casualty Insurance Company	29424	INSURER C: Beazley Insurance Co Inc	37540	INSURER D:		INSURER E:		INSURER F:	
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INSURER D:																	
INSURER E:																	
INSURER F:																	

COVERAGES		CERTIFICATE NUMBER: 2012-2013		REVISION NUMBER:			
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.							
INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY ☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR ☐ ☐ GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☐ LOC			13SRANW7475	6/19/2025	6/19/2026	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COM/OP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY ☐ ANY AUTO ☐ ALL OWNED AUTOS ☒ HIRED AUTOS ☐ SCHEDULED AUTOS ☒ NON-OWNED AUTOS			13SRANW7475	6/19/2025	6/19/2026	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE ☐ DED ☒ RETENTION \$ 10,000			13SRANW7475	6/19/2025	6/19/2026	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below		Y/N	13WBCZF1788	6/22/2025	6/22/2026	☒ WC STATUTORY LIMITS ☐ OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	PROFESSIONAL LIABILITY			C133C8241301	12/18/2024	12/18/2025	GENERAL AGGREGATE 2,000,000 EACH CLAIM 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

CERTIFICATE HOLDER	CANCELLATION
Town of Boonton Attn: Business Administrator 100 Washington St Boonton, NJ 07005	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE Bobbi Heitmann/BOBBIJ 

ACORD 25 (2010/05)
INS025 (201005) 01

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Compensation Proposal

All the services listed in the scope of services, with the exception of, preparing plans, specifications, design and Construction Management and Inspection for Capital Improvement Projects, will be provided to the Town of Boonton at the following Not to exceed cost for **remainder of the calendar year 2025:**

NOT TO EXCEED \$22,500

Preparation of plans, specifications, design and Construction Management and Inspection for Capital Improvement Projects will be charged based on the proposal approved by the Mayor and Town Council at the following proposed schedule:

Construction Cost of Capital Project	Design Fee for Plans & Specifications	Professional Fee for Construction Management and Construction Inspection
\$750,000 or less	8-10% of Construction Cost	12-15% of Construction Cost
Over \$750,000	5-8% of Construction Cost	8-12% of Construction Cost

The fee for Design and Construction Management are negotiable based on the type and complexity of the capital project.

Hourly RatesEffective: January 1st, 2025 to December 31st, 2025

Title	Hourly Rate
Principal Engineer	\$190
Professional Civil Engineer	\$180
Senior Project Engineer	\$170
Project Engineer	\$155
Civil Engineer	\$150
Senior Environmental Engineer	\$175
Senior Design Engineer	\$150
Design Engineer	\$135
Project Manager	\$165
Professional Land Surveyor	\$165
Land Surveyor	\$150
Resident Engineer	\$165
Senior Construction Engineer	\$145
Construction Engineer	\$130
Senior Construction Inspector	\$135
Construction Inspector	\$130
Senior CAD Designer	\$125
CAD Operator	\$115
Draftsperson	\$110
Professional Planner	\$155
Planning Technician	\$125
Administrative Assistant	\$85

All “out of Pocket” and incidental expenses will be billed at incurred cost.

DATE: 06-11-2025Farah Gilani
President

Certifications & Statements

We certify that neither the firm nor any individuals assigned to this engagement had any professional malpractice judgment or claim against them in last five years.

We certify that neither the firm nor any individuals assigned to this engagement are suspended, or otherwise prohibited from professional practice by any federal, state or local agency.

We certify that neither the firm nor any principal of the firm have been involved in any bankruptcy or re-organization proceedings in the last ten years.

We certify that we are in compliance with all applicable affirmative action requirements with respect to all of our business activities including N.J.S.A. 10:5-1 et seq. and P.L.1975, c.127 1975, (N.J.A.C. 17-27 as amended).

We certify that no immediate relative of Principals of this firm are Town's employees or elected officials of the Town of Boonton

We certify that we annually file the Financial Disclosure Statement and are in compliance with Local Government Ethics Law N.J.S.A. 40A:9-22(1) et seq.

We further state that if selected for this contract, we'll comply with the general terms and conditions required by the Town of Boonton and will enter into the Town's standard professional services contract.

Submitted By:



Farah Gilani
President

References

Following are some of our Municipal Clients:

<i>Name</i>	<i>Position</i>	<i>Phone No.</i>
Deborah Hoffman	Director, Div. of Economic Development County of Passaic	973-569-4720
Inti Athar, P.E., CME, CPWM	City of Newark Supervising Engineer	973-733-5361
Andrew Thompson	Passaic County Engineering	973-881-4424
Jaclyn M. Hashmat	Teaneck Township Manager	201-837-1600
Mayor Khairullah	Borough of Prospect Park Mayor	973-790-7902
Steve Bury, PE	Township of Fairfield Township Engineer	973 882 2700
Justin Lizza, PE	Township of Parsippany Township Engineer	973 263 7266

Professional Licenses and Affiliations

Fastech Consulting Engineers possesses the following professional licenses and affiliations:

- Professional Engineering (P.E.) licenses in New Jersey, New York and Delaware
- Professional Planner (P.P.) license in New Jersey
- Certified Municipal Engineer (CME)
- Project Management Professional (PMP)
- QA/QC Certification, New York State Department of Transportation
- SSPC C-3 Certification
- NETTCP - Soils and Aggregate Inspector Certification
- NETTCP – Nuclear Gauge
- Member of American Society of Civil Engineers (ASCE)
- Member of Institute of Transportation Engineers (ITE)
- Member NJ Society of Municipal Engineers (NJSME) (**Firm's principal Farah Gilani**
P.E. PP, CME is the current President of NJSME)

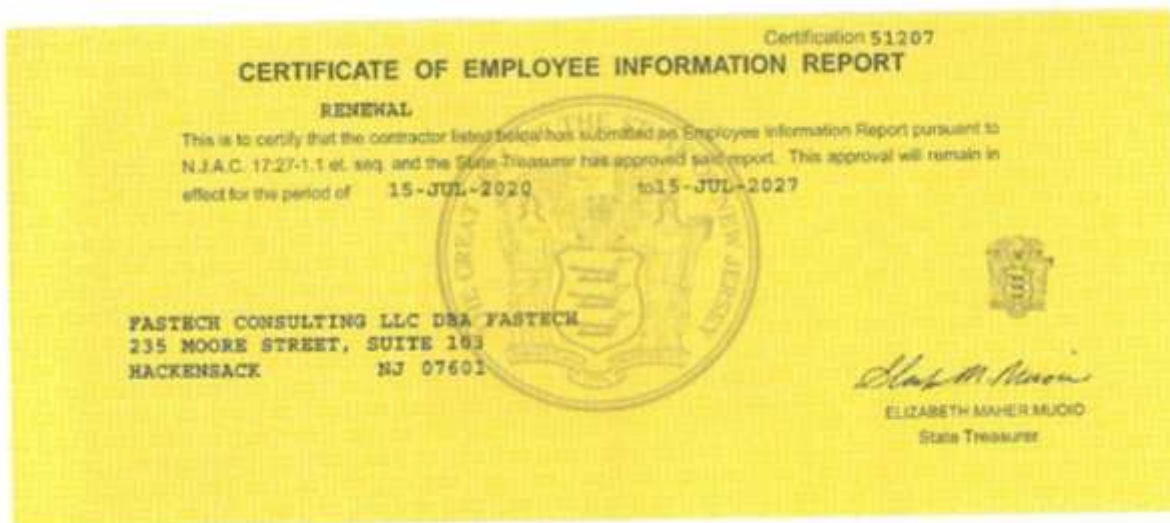
	New Jersey Professional Engineer License No.
Farah Gilani	4876400
David Garval	4675800
Mame Fall	5818600

New Jersey Business Registration Certificate

STATE OF NEW JERSEY BUSINESS REGISTRATION CERTIFICATE		DEPARTMENT OF TREASURY/ DIVISION OF REVENUE PO BOX 252 TRENTON, N.J. 08646-0252
TAXPAYER NAME: FASTECH CONSULTING LLC	TRADE NAME:	
ADDRESS: 288 FABRY TERRACE TEANECK NJ 07666	SEQUENCE NUMBER: 1493548	
EFFECTIVE DATE: 06/16/09	ISSUANCE DATE: 06/16/09	
FORM-BRC (04-08), D205846V		<i>James J. Levine</i> Director New Jersey Division of Revenue
This Certificate is NOT assignable or transferable. It must be conspicuously displayed at above address.		

CERT-1

Certificate of Employee Information Report



Company's Profile

Fastech Consulting Engineers is a multi-disciplinary engineering firm located in Hackensack, NJ. We are well versed in all phases of public works projects starting from the funding and grant process, working and coordinating with relevant Federal, state, county and local agencies such as NJDOT, NJDEP, HEPSCD etc., project specifications, bid process, pre-construction conferences, construction management, cost management, inspections, change order management to project closeout. We are a Women and Minority based business certified by the states of NJ and NY, City of NY and Port Authority of NY and NJ.

Why Choosing Fastech is in the best interest of the Town of Boonton

Fastech Consulting Engineers has been serving the several municipalities in the North Jersey area with its outstanding engineering services. We have complete understanding of Town's needs, challenges, topography, facilities, utilities and other infrastructure. We have delivered a number of projects for other municipalities within allocated budget and time with exceptional quality of engineering work that was recognized by the grant agencies like NJDOT Local Aid, CDBG and County Open Space Fund.

We offer a set of comprehensive engineering services meeting or exceeding our clients' expectations. We have the resources, personnel and experience to provide our clients with the highest quality technical services with time and budget constraints in focus. We easily become part of clients' team because of our lean management structure.

The principal and some of our staff are former public employees who understand the inner working of municipal government extremely well and require no adjustment in performing and delivering excellent service in this environment. It is the coordination with other municipal departments like Building, DPW, Finance or providing periodic reports to Town Administrator for council meetings or attending the council or board meetings, they feel right at home. They provide unparalleled service to the residents, if approached by them for any reason, a development application or a complaint or a concern, it is attended to right away with very high level of professionalism.

The Company has been initiated with the purpose to provide its clients with the highest quality of engineering services at an affordable cost. In today's cost-conscious environment, most municipalities and smaller industries are finding it challenging to take on development and expansion projects due to large upfront engineering cost. Fastech Consulting Engineers, with its highly competitive staff which is well versed in these challenges, is uniquely qualified to solve this dilemma. By maintaining strict control, our operating and overhead costs are kept to a minimum.

These qualities combined with Company's philosophy of providing highly responsive services to our clients, enables mutual success with our clients. We have proven in other municipalities where we have done outstanding jobs as a Borough, Township, City or Project Engineer. We have completed several roadway project, Parks and recreational projects such as Ball Park, Spray Park, Restroom and storage facilities with exceptional services staying within time and budget limits. Our dedicated and experienced team of professionals and specialists ensure the understanding of your "Town Specific" needs and are fully capable to provide technical and operational solutions for each assignment entrusted with.

Our Services:

Municipal Engineering:

Fastech Consulting Engineer will provide Services including those required by municipal engineers by statute and ordinance and any other services requested by the City during the term of the Engineer's Appointment and, subject to the authorization of the planning Board and Zoning Board of Adjustment, may also include planning studies review of subdivision and site plan proposals and other services for those bodies. These services include:

- Provide a licensed Civil Engineer with municipal experience in resolving technical as well as community inquires.
- Planning /Zoning Board Reviews and Administration, including attend preliminary meetings with applicants and citizens as requested, review development applications, attend planning board meetings. Suggest any necessary changes to existing Borough/Township ordinances to accomplish this objective.
- Assist the municipality in implementation of Capital Construction Program, including preparation of plans and specifications for advertisement for bid as well as the administration and construction phase of the project. This will be undertaken on a project basis.
- Coordinating and providing direction and guidance on engineering matters.
- Attending Township/Borough Committee meetings, as required.
- Participating in telephone conferences, as required.
- Assisting in the preparation of the Township/Borough's Capital Budget, and other engineering related budgets.
- Review performance/maintenance bonds, as required.
- Providing engineering assistance as required in litigation matters.
- Providing engineering representation on behalf of the Township/Borough, as required.
- Coordinate with various members of the Township/Borough staff and Departments on engineering related issues.

- Prepare written monthly reports to the City, Township/Borough on the status of various projects and identifying any issues of which they should be aware of.
- Providing On-Call availability 24 hours per day, 7 days per week to address emergencies.
- Planning, designing, and budgeting capital improvement projects, including road improvement projects (e.g. State Aid, Community Development Block Grant (CDBG) Program), environmental, land use, water, wastewater, stormwater drainage system, and traffic engineering projects, to improve and resolve problems related to municipal infrastructure in cities and municipalities.
- Perform engineering inspections and prepare reports for land development residential and commercial projects.
- Plan, design, and provide construction administration services for parks and their recreational facilities.
- Respond and resolve day-to-day problems related to sewer and water mains.
- Prepare plans and technical specifications for public works projects.

Roadway and Intersection Improvements:

Fastech has vast variety of experience in roadway and intersection improvements design. Our design team takes into accounts the guidelines from AASHTO, NJDOT, Roadway Design Manual and other applicable references. We have extensive experience in designing roadways, from total reconstruction to other roadway improvements like roadway widening, resurfacing, improvements to roadway geometry etc.

Civil and Site Engineering:

Our civil and site engineering services includes, but not limited, to planning & designing of residential and commercial land development projects in accordance with the municipal zoning and development ordinances; including preparation of site grading plans, utility plans, road layout, street scape plans, traffic circulation plans, recreation parks and parking lots. Presented expert testimony before Township Councils, Planning Boards and Zoning Boards related with the particular application under review.

Whether the project consists of increasing parking, improving drainage, or a change in land use on an existing site, or developing a completely new subdivision or facility, Fastech will provide responsive services with qualified staff to bring your idea to reality.

Traffic Engineering and Safety:

Our traffic engineering services focuses on solving our client existing and future traffic management challenges for safe reliable and intelligent forward momentum.

Our traffic engineering services include Traffic Signage Design, Pavement Marking Design, Traffic Impact Study, Traffic Data Collection, Traffic Calming Design, Traffic Engineering Need Study, Traffic Modeling and analysis etc.

Drainage Improvements and Stormwater Management:

Responsible stormwater management can make the difference between dangerous flash flooding and controlled water containment, between a clean and plentiful water supply and one that is depleted by pollution and displacement. A crucial balance exists between the preservation of natural hydrologic systems and the development of sites that are safe for human use. When this balance is achieved, both the environment and people win.

Fastech Consulting works with public and private clients to develop stormwater management programs and evaluate stormwater best management practice (BMP) options. Our civil engineers have experience implementing Low Impact Development (LID) measures for public facilities.

Working with our residential and site development teams, our stormwater professionals are dedicated to developing sites that are sensitive to low impact and sustainable development as well as functional and comfortable for human use. Utilizing the latest technologies and incorporating them into our sites, we not only design sites that are responsible and sustainable but functional as well. The drainage tasks performed by Fastech Engineers include:

- Prepare preliminary drainage investigation reports including review of available record data, reports, studies, plans, and topographic maps. Site analysis including evaluation of drainage area, land use, allowable headwater, effects of adjacent structures, existing streams & discharge points, stream slope & alignment, stream capacity, soil erodibility etc.
- Review of environmental permit concerns and constraints, compliance with regulatory agencies etc.
- Planning and designing of soil erosion & sediment control plans, structural & non-structural Best Management Practices (BMPs) such as storm filter units, dry well, bio-retention systems, rain gardens, silt fence, inlet protection, grass pavers etc..
- Designed Storm Water Management (SWM) and Non-Point Source Pollution Control (NPSPC) measures.
- Hydrological analysis, including runoff calculations, design flow, hydrograph & flood routing computations using rational method, TR-55, TR-20 (HEC-1) methodology using PondPack.
- Hydraulic computations for design of conveyance system, detention basins and outlet control structures.
- Dam Safety Emergency Action Plan (EAP) in compliance with FEMA 64 guidelines. Familiar with HEC-RAS for dam safety analysis for dam break analysis and preparation of inundation maps.
- Prepare stream encroachment and outfall permit applications.
- Prepare Environmental Impact Statements and conducted Lake Management studies.

Construction Inspection and Project Management:

Fastech Consulting Engineers provides comprehensive construction inspection and management services on projects key to the transportation infrastructure, and for public and private facilities and buildings, supervising projects from inception to execution. Conducting contract management including bid advertisement, bid evaluation, recommendation of award, notice to proceed, review of bonds and insurance documents, preparation of change orders, field directives, review of shop drawings, payment requisitions, project review meetings.

“Fastech” constantly strives to give owners more effective control over complex construction, delivering high quality finished projects on-time and within budget. And, we do it by managing people, quality, costs and time in a safe, secure construction environment. The professionals at “Fastech” understand the clients’ perspectives on a project-to-project basis and the governmental processes that define the specific objectives. Fastech uses the most qualified engineers and inspectors, those who understand the clients’ objectives and who have a thorough knowledge of the clients’ procedures and protocols.

- **Bridges** - From simple to complex bridge projects, involving rehabilitation, replacement, painting, demolition or new facilities, Fastech is an effective leader in providing full service construction inspection and management for vehicular, pedestrian, and culvert structures.
- **Highways** – Fastech routinely provides construction inspection, administration and management services for controlled access highways, county and municipal roadways, and other highway related construction programs.
- **Facilities/Buildings** - For commercial, residential, and transportation facilities and buildings, Fastech provides on-site resident engineering, site safety inspection, management and inspection services for contractor conformance to project requirements and compliance to design intent, safety and quality control.

Water & Waste Water Engineering:

Fastech Consulting Engineers provides water and waste water engineering design and construction management services in the following areas:

- Water distribution system hydraulic modeling for identification/Investigations of problems in the system, water quality, fire flow analysis using latest hydraulic modeling software.
- Hydrologic analysis of watersheds, hydraulic modeling and storm water drainage conveyance design and preparation of drainage improvement plans.
- Water main extension/replacement projects including installation of ductile iron mains, valves, hydrants, pressure reducing valves chambers, air release valves per AWWA requirements.
- Preparation of feasibility reports for several water main system improvement studies including economic analysis and cost estimates.

- Trenchless rehabilitation (Cement & Epoxy Lining) of existing water mains.
- Cleaning, painting and rehabilitation of water storage reservoirs including, stand pipes, towers, and underground water storage tanks including surface preparation & coating, miscellaneous modifications such as safety ladder, vents, overflow system, back flow prevention, hydrodynamic system for uniform water mixing and circulation, cathodic protection system, yard piping, structural members, safety railings per OSHA, AWWA and DOH requirements.
- Monitoring of water systems and preparation of Annual Water Quality Reports, Disinfection By-product reports, Lead and copper testing and reports, Emergency Response Plans & Vulnerability Assessment Reports etc.
- Rehabilitation of existing sewer mains and manholes with CIPP trenchless technology, including in-situ lining, point repairs, manhole refurbishing, replacement of sewer mains.
- Rehabilitation of waste water treatment plants and pumping stations, including rehabilitation of primary and secondary treatment systems, headwork improvements, such as bar screens, comminutors, sludge digesters, Rotating Biological Contactors (RBCs), aeration tanks, final clarifiers, scum removal system, advanced treatment facilities, UV disinfection systems, mixed liquor pump station, sludge pumps, associated yard piping and appurtenances.
- Automation of pump stations and treatment facilities and installation of SCADA systems.

Regulatory Compliance & Permitting:

Compliance with the laws of Regulatory agencies is a prerequisite for every project related with the planning and designing of municipal infrastructure including water and wastewater, drainage, land development, roads, parks, and recreational projects. Fastech Consulting Engineers possess extensive experience of coordinating with county, state and federal regulatory agencies including, NJDOT, NYSDOT, NJDEP, NYSDEC, DOH, ACOE and Conservation Districts and obtaining permits prior to the construction.

Environmental Engineering:

“Fastech Consulting Engineers” holds extensive experience of preparing Environmental Impact Statements, remediation studies, environmental risk management, bulk storage & spill prevention plans of chemical stored for water and wastewater treatment facilities, lake management studies and wastewater outfalls. Coordinated soil investigation analysis for hazardous waste removal and disposal and permitting with environmental departments.

Professional Information

Excellence

Dedication

Professionalism

Municipal Consulting

Municipal Consulting

- Roadway Design
- Park and Recreational Facilities Design
- Engineering Cost Estimates
- Contract Administration
- Site Plan Design and Reviews
- Special Flood Hazard Area Management and Permits
- Soil Erosion and Sediment Control
- Street Scape Design
- Municipal Stormwater Management
- Expert Witness Testimony

Our Focus is on “Municipal Consulting”. The professionals at “Fastech Consulting Engineers” possess an in-depth understanding of the local government processes and the professional services required to meet the needs of the community. Each member of our firm acknowledges the vital role municipal officials play in maintaining the quality of life for the public which they serve and strive to exceed our client’s expectations through our responsiveness and dedication to excellence.

Our team of municipal consulting experts clearly understand the time and budget constraints while executing various municipal projects and ensure that the projects get completed on time and within budget keeping in view all the policies and procedures of local aid granting bodies like NJDOT, CDBG etc.

RECENT CAPITAL PROJECTS (2023)

- Arlington & Bedford Avenue Improvements, Teaneck, NJ
- 2022 Roadway Resurfacing Program, Teaneck, NJ
- East Cedar Lane Improvements, Teaneck, NJ
- Fairview Avenue Improvements, Prospect Park, NJ
- North 15th Place Improvements, Prospect Park, NJ
- North 17th Street Improvements, Prospect Park, NJ
- Votee Park Shade & Shelter, Teaneck, NJ
- Beverly & River Parking Lot Improvements, Teaneck, NJ

The consulting needs of a municipal government are often varied and unique, as are the professional services provided by our firm. With our extensive experience with multiple municipalities, our familiarity with community development over the years underscores our abilities to provide exceptional services, customized to meet the individual needs of each municipality.

Our expertise in this area ranges from annual roadway maintenance programs to sanitary sewer & water system expansions and upgrades, as well as new municipal facilities to serve the public. The ability of our firm to achieve results is founded on our responsiveness to the needs of our clients and our means of comprehensively understanding the dynamic requirements associated with each undertaking upfront.

Civil Engineering

Civil Engineering

- Roadway Geometric Design
- Site Development Engineering
- Stormwater Management Design
- Parking Lot layout and Design
- Flood Hazard Area Management
- Sanitary Sewer Analysis and Design
- Soil Erosion and Sediment Control
- Capital Facilities Planning
- Educational Facilities Planning and Design
- Construction Management
- Cost Estimation
- Contract Administration
- Inspection

The broad spectrum of engineering services provided by Fastech Consulting Engineers includes geometric roadway design and highway design, traffic signal design, storm water management and flood control, infrastructure planning, underground utilities design, soil erosion and sediment control, and all other aspects of civil, municipal and transportation engineering. Our commitment to excellence revolves around exemplary execution of each assignment, delivering on promises, and ensuring that our work product meets the project objectives and is right the first time.

Recognizing that fiscal responsibility is elemental to the success of any project, our firm utilizes the latest available Computer Aided Drafting and Design and analytical technologies to achieve greatest efficiencies in the design process. This allows us to enhance overall productivity, while still affording the level of hands-on attention to detail which enables us to maintain our self-imposed high level of quality assurance on every project.

RELEVANT PROJECTS EXPERIENCE

- Julia Street Sewer Main Replacement, Teaneck, NJ
- Court Street & Parking Lot Improvements, Teaneck, NJ
- Votee Park North Restroom Improvements, Teaneck, NJ
- Borough Wide Sanitary Sewer Mapping, Prospect Park, NJ
- Planten Avenue Improvements, Prospect Park, NJ

Our philosophical approach to every assignment is to identify real project goals up-front, assess the fiscal impact, and formulate the best approach to achieve the stated goals effectively, and as efficiently as possible.

Our vast body of work ranges from municipal infrastructure maintenance to multi-faceted site planning and engineering. The professionals in our firm have demonstrated track records of success in their

respective areas of expertise. The resume of our key professionals are included herewith which outline their education, experience, and certifications.

Construction Management & Inspection

Construction Management & Inspection Services

- Construction Inspection
- Constructability Reviews
- Value Engineering
- Payment Certifications
- Cost Estimation
- Building Code Compliance
- Grants Administration
- As-Build Drawings
- Permit Compliance Assurance
- Utilities Coordination
- Traffic Control Plans
- Material Testing
- Punch List
- Project Close Out

The overall success of any capital improvement project is the direct result of competent design and effective implementation. The construction management team at Fastech Consulting Engineers has a keen awareness of the intricacies involved in public projects, from cost control and quality assurance perspectives. The negative public perception of delays and cost overruns diminish the positive impact of any capital initiative, therefore our focus on providing effective construction management begins on day one.

Our field personnel ensure implementation of proper project details in time and on budget to minimize any change orders. They diligently follow up on punch list items and ensure proper completion of the project. They record daily quantities to make sure that the project stays on track and does not over run the budget. The collective experience of our team spans decades. They have the experience to ensure a successful project implementation and have past experience with multiple municipalities.



Our construction oversight team consists of field personnel with certification in municipal construction inspection, with broad experience. Our track record of successfully delivering construction projects to completion includes roadways, underground utilities, public facilities, and recreational projects.

In addition to the knowledge and expertise required 'in the trenches' our experts have a complete working knowledge of the various local aid programs,

including NJDOT and CDBG and are experienced at ensuring specific program compliance, from up-front funding through project closeout.

Traffic and Transportation

Traffic

- Traffic Impact Studies
- Traffic Data Collection
- Traffic Engineering Needs Study
- Roadway signing and Striping Design
- Traffic Calming
- Traffic Signal Design
- Intelligent Transportation Systems (ITS)

Transportation

- Road Design
- Signal Plans
- Work Zone Traffic Control
- Roadway Lighting
- Sidewalk Design
- Intersection Improvement

Traffic and transportation engineering is an ever-emerging science dedicated to all modes of travel. Fastech Consulting Engineers is at the forefront of progressive thinking on this issue. Traffic operations must not only account for motor vehicles but pedestrians, transit, and bicycles.

We at Fastech Consulting Engineers provide exceptional analysis and design services to develop most cost effective and beneficial designs for all forms of traffic analysis and road design from impact analysis for site plans, to road design for municipal clients.

Our strengths include traffic impact studies, road improvement design and upgrades, accident analysis, transportation planning, traffic calming, and work zone traffic control.

Relevant Projects Include: Beverly & River Parking Lot Improvements, Court Street & Parking Lot Improvements, PANYNJ Design Support, Traffic Engineering Operation and Facility Support services.



Selected Projects

Excellence**Dedication****Professionalism**

Cedar Lane and Teaneck Road ADA Ramps, Teaneck, NJ

CIVIL ENGINEERING DESIGN & CONSTRUCTION INSPECTION SERVICES

The scope of the project consists of construction of Sidewalk, ADA curb ramps and installation of detectable warning surfaces at Cedar Lane (from Hackensack Border to Teaneck Road) and Teaneck Road (from Ridgely Border to Cedar Lane).

Project included:

- 1400 SY of sidewalk
- 1500 LF of curb
- 60 detectable warning surfaces.

Engineering Design Services included:

- Evaluate existing conditions.
- Prepare preliminary design
- Prepare Construction Plans according to Bergen County Design Criteria.
- Prepared quantities take off
- Prepared engineers cost estimate
- Prepared project technical specification
- Prepared project bid documents
- Review Contractor's bids & Recommendation to Township

Construction Services included:

- Pre-Construction Conferences
- Coordinated with Utility Companies, home and business owners
- Attendance of All Meetings
- Daily Progress and Quantity Reports
- Construction Community Liaison
- Review contractor's invoice and payment vouchers
- Daily Construction Inspection
- Quality Assurance/Quality Control
- Final inspection, punchlist and closeout



Owner / Client	Township of Teaneck- Bergen County
Reference	Jaclyn M. Hashmat – (201) 837 1600
Role	Prime
Project Cost	\$1.0 Million
Year Completed	12/2024

2022 Roadway Resurfacing, Teaneck, NJ

CIVIL ENGINEERING DESIGN & CONSTRUCTION INSPECTION SERVICES

The scope of the project consisted of resurfacing of all Roads in the 2022 Road Resurfacing Program final list with a total linear length of almost 4 miles.

The improvements included milling and paving of the roadway, reconstruction of the handicap ramps according to the ADA standards and installation of detectable warning surfaces, resetting of castings, installation of traffic stripes and marking and other incidental roadway items. The scope included full depth reconstruction of Marion street and Washington Street including new drainage and tie-in to the town drainage system. The scope also included realignment and reconstruction of Bennet Road between Alpine Drive and Warren Parkway.

The project scope included:

- Full reconstruction & realignment of Marion & Washington Street
- Spot fixing of concrete curbing
- Spot Fixing of sidewalks
- Roadway Milling 3" or less
- Base repair, New bituminous pavement surface
- Driveway restoration, ADA compliant handicap ramps
- New pavement markings, Sawcut & seal pavement joints

Engineering Design Services included:

- Topographic Survey
- Prepare Roadway Construction Plans
- Design new curb ramp according to ADA standard
- Design traffic marking and signage plan.
- Design traffic control plan for work zone safety
- Design traffic detour plan
- Prepared quantities take off
- Prepared engineers cost estimate
- Prepared project technical specification
- Prepared project bid documents



Construction Services included:

- Pre-Construction Conferences
- Pre-Construction Photos and Videos
- Coordinated with Utility Companies to relocate utility poles and gas service
- Setting up and maintained Office Filing System
- Change Order Management
- Attendance of All Meetings
- Maintenance and Protection of traffic
- Daily Progress and Quantity Reports
- Review of Inspectors' reports for accuracy
- Conduct Construction Progress Meetings
- Daily Construction Inspection
- Quality Assurance/Quality Control

Owner / Client	Township of Teaneck- Bergen County
Reference	Jaclyn M. Hashmat – (201) 837 1600
Role	Prime
Project Cost	\$1.9 million
Year Completed	2023

Fairview Avenue Reconstruction, Water Main & Drainage, Prospect Park, NJ

CIVIL ENGINEERING DESIGN & CONSTRUCTION INSPECTION SERVICES

The scope of the project consists of the Improvements to entire length of Fairview Avenue from Hopper Street to the Dead End Approximately 3500 linear feet

The improvements include milling and paving of the roadway, reconstruction of the handicap ramp according to the ADA standards, Spot-fixing of concrete curb replacement of inlet grates with bicycle safe grate, replacement of cast iron inlet curb piece with environmental approved cast iron inlet curb piece reconstruction of existing deteriorated concrete curb and concrete sidewalk where required, installation of traffic stripes and marking, replacement of curb piece with type N – ECO and other incidental roadway items.

Project also included installation of storm water drainage structures and pipes to improve drainage and replacement of 8" Ductile Iron water main.

This project was funded by New Jersey Department of Transportation State Local Transportation Project Fund (LTPF) Program.

Engineering Design Services included:

- Perform topographic survey
- Prepare roadway construction plan in accordance with NJDOT requirements.
- Prepared quantities take off
- Prepared engineers cost estimate
- Prepared project technical specification
- Prepared project bid documents
- Review Contractor's bids

Construction Services included:

- Pre-Construction Conferences
- Coordinated with Utility Companies



- Daily Progress and Quantity Reports
- Review of Contractor's invoices and payment vouchers
- Conduct Construction Progress Meetings
- Construction Inspection
- Final Inspection

Owner / Client	Borough of Prospect Park- Passaic County
Reference	Mayor Khairullah – (973) 790 7902
Role	Prime
Project Cost	\$1.0 Million
Year Completed	2023

SE811 - Installation of Storm & Sanitary Sewers in the N.B. Whitestone Express Road, Phase 3, Borough of Queens

RESIDENT ENGINEERING & CONSTRUCTION INSPECTION SERVICES

The scope of work for this project involved Resident Engineering Inspection Services for the installation of storm and sanitary sewers in the North Bound Whitestone Expressway Service Road, Phase 3, Borough of Queens.

The project SE811 was dedicated to eliminating flooding conditions in the area by installing storm sewers and to provide residents with sanitary sewers as per the drainage plan and improve water distribution by replacing old cast iron pipe water mains with new ductile iron water mains.

The project consisted of three distinct components:

1. For the construction of storm sewers and appurtenances in N.B. Whitestone Expwy service road between 15th Avenue and 25th Avenue, etc.

2. For the construction of sanitary/combined sewers and appurtenances in 143rd street between 22nd Road and 25th Avenue, etc.

3. For the installation of Water Mains and appurtenances in 144th place between Parsons Boulevard and 15th Avenue, etc.

Fastech worked as a Subconsultant with Dewberry Engineers Inc. on this project and deployed 1 Construction Inspector full time.

Construction Services included:

- Daily Construction Inspection
- Quality Assurance/Quality Control
- Progress and Quantity reports



Owner / Client	NYC Department of Design & Construction
Reference	Mazher Usmani (Dewberry Engineers Inc.) musmani@dewberry.com
Role	Subconsultant
Project Cost	\$55.6 Million
Year Completed	2023

Planten Avenue Improvements, Prospect Park, NJ

CIVIL ENGINEERING DESIGN & CONSTRUCTION INSPECTION SERVICES

The scope of the project consists of the improvements to Planten Avenue from North 6th Street to North 8th Street Approximately 550 linear feet.

The improvements include milling and paving of the roadway, reconstruction of the handicap ramp according to the ADA standards, replacement of inlet grates with bicycle safe grate, replacement of cast iron inlet curb piece with environmental approved cast iron inlet curb piece reconstruction of existing deteriorated concrete curb and concrete sidewalk where required, installation of traffic stripes and marking and other incidental roadway items.

This project was funded by Community Development Block Grant.



Engineering Design Services included:

- Perform Survey
- Prepare roadway construction plan
- Prepared quantities take off
- Prepared engineers cost estimate
- Prepared project technical specification
- Prepared project bid documents
- Review Contractor's bids

Construction Services included:

- Pre-Construction Conferences
- Coordinated with Utility Companies
- Daily Progress and Quantity Reports
- Review of Contractor's invoices and payment vouchers
- Conduct Construction Progress Meetings
- Construction Inspection
- Final Inspection

Owner / Client	Borough of Prospect Park- Passaic County
Reference	Mayor Khairullah – (973) 790 7902
Role	Prime
Project Cost	\$110,000
Year Completed	2023

North 11th Street Improvements, Prospect Park, NJ

CIVIL ENGINEERING DESIGN & CONSTRUCTION INSPECTION SERVICES

The scope of the project consists of the Improvements to North 11th Street from Haledon Avenue to Prescott Avenue Approximately 2700 linear feet.

The improvements include milling and paving of the roadway, reconstruction of the handicap ramp according to the ADA standards, Spot-fixing of concrete curb replacement of inlet grates with bicycle safe grate, replacement of cast iron inlet curb piece with environmental approved cast iron inlet curb piece reconstruction of existing deteriorated concrete curb and concrete sidewalk where required, installation of traffic stripes and marking, replacement of curb piece with type N – ECO and other incidental roadway items.

This project was funded by New Jersey Department of Transportation State Local Aid Grant.



Engineering Design Services included:

- Topographic Survey
- Prepare roadway construction plan in accordance with NJDOT requirements
- Prepared quantities take off
- Prepared engineers cost estimate
- Prepared project technical specification
- Prepared project bid documents
- Review Contractor's bids

Construction Services included:

- Pre-Construction Conferences
- Coordinated with Utility Companies
- Daily Progress and Quantity Reports
- Review of Contractor's invoices and payment vouchers
- Conduct Construction Progress Meetings
- Construction Inspection
- Final Inspection

Owner / Client	Borough of Prospect Park- Passaic County
Reference	Mayor Khairullah – (973) 790 7902
Role	Prime
Project Cost	\$210,000
Year Completed	2023

Excellence

Dedication

Professionalism

Arlington Avenue & Prospect Terrace Improvements, Teaneck, NJ

CIVIL ENGINEERING DESIGN & CONSTRUCTION INSPECTION SERVICES

The scope of the project consists of the resurfacing of Arlington Avenue from East Forest Avenue to Robinson Street, approximately 600 Linear feet and Prospect Terrace from Arlington Avenue to Congress Avenue approximately 450 Linear feet.

The improvements include milling and paving of the roadway, various traffic improvements, reconstruction of the handicap ramps according to the ADA standards and installation of detectable warning surfaces, resetting of castings, installation of traffic stripes and marking, spot repair of concrete curb and sidewalk, replacement of curb piece with type N – ECO and other incidental roadway items.

This project is funded by Community Development Block Grant.

Engineering Design Services included:

- Evaluate exiting roadway for drainage
- Base-map preparation
- Prepare Roadway Construction Plans
- Prepared quantities take off
- Prepared engineers cost estimate
- Prepared project technical specification
- Prepared project bid documents
- Review Contractor's bids & Recommendation to Township

Construction Services included:

- Pre-Construction Conferences
- Coordinated with Utility Companies, home and business owners
- Attendance of All Meetings
- Daily Progress and Quantity Reports
- Construction Community Liaison
- Review contractor's invoice and payment vouchers
- Daily Construction Inspection
- Quality Assurance/Quality Control
- Final inspection, punchlist and closeout



Owner / Client	Township of Teaneck- Bergen County
Reference	Jaclyn M. Hashmat – (201) 837 1600
Role	Prime
Project Cost	\$150,000
Year Completed	2023

Julia Street Sewer Main Replacement, Teaneck, NJ

CIVIL ENGINEERING DESIGN & CONSTRUCTION INSPECTION SERVICES

The scope of the project consists of the replacement of approximately 530 LF of 8" Sewer main, beginning at sanitary sewer manhole at the intersection of W Forest and Julia Street and proceeding south to Manhole on the Julia Street.

The existing 8" clay sewer main ranged from 4' to 6' in depth was in the state of disrepair and needed to be replaced immediately. This line is within the township ROW behind the easterly curb and sidewalk. There were retaining walls close to the sewer main which could make it difficult to replace the sewer main at the same location.

Fastech proposed to design the reconstruction of 530 LF of 8" diameter gravity sewer and two manholes parallel to the existing sewer main. All connections to the residences will be reconnected into the new sewer main.



Engineering Design Services included:

- Topographic Survey
- Prepare Construction Plans in accordance with NJDOT requirements
- Prepared quantities take off
- Prepared engineers cost estimate
- Prepared project technical specification
- Prepared project bid documents
- Review Contractor's bids & Recommendation to Township

Construction Services included:

- Pre-Construction Conferences
- Attendance of All Meetings
- Progress and Quantity Reports
- Review contractor's invoice and payment vouchers
- Coordinated with Utility Companies, home and business owners
- Daily Construction Inspection
- Quality Assurance/Quality Control
- Final inspection, punchlist and closeout

Owner / Client	Township of Teaneck- Bergen County
Reference	Jaclyn M. Hashmat – (201) 837 1600
Role	Prime
Project Cost	\$150,000
Year Completed	2023

Beverly & River Rd Parking Lot Improvements, Teaneck, NJ

TRAFFIC, CIVIL ENGINEERING & CONSTRUCTION INSPECTION SERVICES

The scope of the project consists of resurfacing of Municipal Parking lot at intersection of Beverly Road and River Road comprising of approximately 14,500 Square feet.

The improvements include milling and paving of the parking lot, installation conduits for EV charging stations, Drainage Improvements, new and improved thermoplastic pavement markings, resetting of castings, spot repair of concrete curb, sidewalks, replacement of curb piece with type N – ECO, adjustment of the existing catch basin, manholes as per field requirements and other incidental items.

Engineering Design Services included:

- Base map preparation
- Prepare Parking lot construction plan
- Prepared quantities take off
- Prepared engineers cost estimate
- Prepared project technical specification
- Prepared project bid documents



Construction Services included:

- Pre-Construction Conferences
- Coordinated with Utility Companies
- Daily Progress and Quantity Reports
- Review of Contractor's invoices and payment vouchers
- Conduct Construction Progress Meetings
- Construction Inspection
- Final Inspection, Punchlist and Project Closeout

Owner / Client	Township of Teaneck- Bergen County
Reference	Jaclyn M. Hashmat – (201) 837 1600
Role	Prime
Project Cost	\$105,000
Year Completed	2023

Court Street & Parking Lot Improvements, Teaneck, NJ

TRAFFIC, CIVIL ENGINEERING & CONSTRUCTION INSPECTION SERVICES

The scope of the project consists of improvements to Court Street between Palisades Avenue and Queen Anne Road approximately 550 linear feet of road and 18,000 Square yards of Parking space.

The improvements include complete reconfiguration of the parking area, new traffic pattern including one way traffic movement, milling and paving of the roadway, new and improved thermoplastic pavement markings, reconstruction of the handicap ramps according to the ADA standards and installation of detectable warning surfaces, resetting of castings, adjustment of the existing catch basin as per field requirements and other incidental items.

Engineering Design Services included:

- Base map preparation
- Prepare Parking lot construction plan
- Prepared quantities take off
- Prepared engineers cost estimate
- Prepared project technical specification
- Prepared project bid documents

Construction Services included:

- Pre-Construction Conferences
- Coordinated with Utility Companies
- Daily Progress and Quantity Reports
- Review of Contractor's invoices and payment vouchers
- Conduct Construction Progress Meetings
- Construction Inspection
- Final Inspection, Punchlist and Project Closeout



Owner / Client	Township of Teaneck- Bergen County
Reference	Jaclyn M. Hashmat – (201) 837 1600
Role	Prime
Project Cost	\$140,000
Year Completed	2023

2021 Roadway Resurfacing, Teaneck, NJ

CIVIL ENGINEERING DESIGN & CONSTRUCTION INSPECTION SERVICES

The scope of the project consists of resurfacing of all Roads in the 2021 Road Resurfacing Program final list with a total linear length of $\pm 20,000$ feet. The improvements include milling and paving of the roadway, reconstruction of the handicap ramps according to the ADA standards and installation of detectable warning surfaces, resetting of castings, installation of traffic stripes and marking and other incidental roadway items. The scope includes full depth reconstruction of Marion street including new drainage and tie-in to the town drainage system. The scope also includes realignment and reconstruction of Bennet Road between Alpine Drive and Warren Parkway. The project included resurfacing of 27 roadways.

The project scope included:

- Spot fixing of concrete curbing
- Spot Fixing of sidewalks
- Pavement, Roadway Milling 3" or less
- Base repair, New bituminous pavement surface
- Driveway restoration, ADA compliance handicap ramps
- New pavement markings
- Sawcut and seal pavement joints

Engineering Design Services included:

- Topographic Survey for Marion St. and Bennet Rd.
- Prepare Roadway Construction Plans
- Design new curb ramp according to ADA standard
- Design traffic marking and signage plan.
- Design traffic control plan for work zone safety
- Design traffic detour plan
- Prepared quantities take off
- Prepared engineers cost estimate



- Prepared project technical specification
- Prepared project bid documents

Construction Services included:

- Pre-Construction Conferences
- Pre-Construction Photos and Videos
- Coordinated with Utility Companies to relocate utility poles and gas service
- Setting up and maintained Office Filing System
- Change Order Management
- Attendance of All Meetings
- Maintenance and Protection of traffic
- Daily Progress and Quantity Reports
- Review of Inspectors' reports for accuracy
- Conduct Construction Progress Meetings
- Daily Construction Inspection
- Quality Assurance/Quality Control

Owner / Client	Township of Teaneck- Bergen County
Reference	Jaclyn M. Hashmat – (201) 837 1600
Role	Prime
Project Cost	\$1.7 million
Year Completed	2023

Excellence

Dedication

Professionalism

Belle Avenue Emergency Stormwater Culvert Construction, Teaneck, NJ

CIVIL ENGINEERING DESIGN & CONSTRUCTION INSPECTION SERVICES

Belle Avenue is a residential street within the Township of Teaneck. Residents reported flooding issues in the area of Belle Avenue, between Beatrice Street and Beverley Road. Although a drainage system existed in this location, it was insufficient to handle high-intensity rainfall.

The township, recognizing the urgency of the situation, sought to provide relief to residents on an emergency basis. The Fastech team proposed a solution to construct a 9'x4' culvert beneath the sidewalk within the public right-of-way (ROW). This addressed a hydraulic issue caused by a sharp bend in the existing pipe system and also function as a detention system during periods of heavy rainfall.

The scope of work for the project included the construction of a 9'x4'x250' stormwater culvert, stormwater manholes, outlet control structures, curb, sidewalk, and driveway apron restoration, as well as the implementation of soil erosion and sediment control measures.

Engineering Design Services included:

- Prepare Construction Plans
- Prepared quantities take off
- Prepared engineers cost estimate
- Prepared project technical specification
- Prepared project bid documents
- Review Contractor's bids & Recommendation to Township

Construction Services included:

- Pre-Construction Conferences
- Coordinated with Utility Companies, home and business owners
- Attendance of All Meetings
- Progress and Quantity Reports
- Review contractor's invoice and payment vouchers
- Daily Construction Inspection
- Quality Assurance/Quality Control
- Final inspection, punch-list and closeout



Owner / Client	Township of Teaneck
Reference	Jaclyn M. Hashmat – (201) 837 1600
Role	Prime
Project Cost	\$1.0 Million
Year Completed	2023

Excellence

Dedication

Professionalism

Storm Drainage Investigation for Belle Av. Beatrice St and Beverly Rd, Teaneck, NJ

DRAINAGE STUDY & ENGINEERING SERVICES

The scope of project included investigating the existing storm drainage system on Belle Avenue, Beatrice Street, Beverly Road and other tributary streets to identify possible improvements that would alleviate flooding on Belle Avenue, Beatrice Street and Beverly Road area. The drainage area is spread over 170 acres. There is a low spot in the area of Belle Avenue, between Beatrice Street and Beverly Road where flooding is more likely to occur during short duration, high intensity storms. This area takes drainage from a very large area North of Cedar Lane in flows South through a pipe under Cedar Lane and then down to American Legion Drive for quite some distance before discharging to a ditch along the CSX railroad. During very heavy storm this whole system backs up and the streets are flooded. This is a very complex issue and exists for more than 50 years.



Fastech conducted a partial topographic survey and used ground surface elevations and drainage maps to identify the drainage area and subareas and calculate the anticipated runoff from the individual subareas. Fastech will utilized state of the art AutoCAD Civil 3D and AutoCAD storm analysis and Hydraflow storm sewer software to perform hydraulic modeling on the existing drainage system. Determined the capacity of the existing drains and gutters and come up with their calculated capacity to the anticipated stormwater runoff for 25, 50 and 100 storm.

Services included:

- Partial Topographic Survey
- Engineering Investigation and Drawings
- Recommendations to alleviate flooding
- Estimates and possible phasing options

Owner / Client	Township of Teaneck
Reference	Jaclyn M. Hashmat – (201) 837 1600
Role	Prime
Project Cost	\$53,100
Year Completed	2023

Phelps Park Restroom, Teaneck, NJ

CIVIL ENGINEERING DESIGN & CONSTRUCTION INSPECTION SERVICES

The scope of the project consists of development of engineering plans and related construction management and inspection services for Reconstruction of Phelps Park restroom. The new Restroom will be a brand new prefab 9 Feet 4 inches by 20 Feet structure with 3 rooms including two restrooms for each gender, 1 unisex restroom and a mechanical room.

The project included demolishing, removing and disposing existing restroom building, constructing foundation, installing prefab restroom over, sewer connection, water line connection, electrical connection, installing hot water box, concrete walkaway, receptable trash and other incidental items.

Engineering Design Services included:

- Prepared Base map
- Prepared preliminary design
- Prepared quantities take off
- Prepared engineers cost estimate
- Prepared project technical specification
- Prepared project bid documents
- Reviewed Contractors bids

Construction Services included:

- Pre-Construction Conferences
- Coordinate with utility companies and others affected
- Construction inspection
- Review contractor's invoice and payment vouchers
- Final inspection and project closeout



Owner / Client	Township of Teaneck
Reference	Jaclyn M. Hashmat – (201) 837 1600
Role	Prime
Project Cost	\$300,000
Year Completed	2022

Terhune Park Children Playground Improvements, Teaneck, NJ

CIVIL ENGINEERING DESIGN & CONSTRUCTION INSPECTION SERVICES

The scope of the project consisted of improvements to Terhune Park Children Playground.

The improvements included site clearing and grading of existing playground and wading pad, construction of a new children playground with concrete pad, safety surface with rubber curb, concrete walkway, installing new playground equipment, resurface of existing playground with engineered wood surface, and other incidental items.

The project was funded by Bergen County Open Space matching Grant.

Engineering Design Services included:

- Prepared Base map
- Prepared playground construction plans
- Prepared quantities take off
- Prepared engineers cost estimate
- Prepared project technical specification
- Prepared project bid documents
- Reviewed Contractors bids

Construction Services included:

- Pre-Construction Conferences
- Coordinate with utility companies
- Construction inspection
- Review contractor's invoice and payment vouchers
- Final inspection and project closeout



Owner / Client	Township of Teaneck
Reference	Jaclyn M. Hashmat – (201) 837 1600
Role	Prime
Project Cost	\$375,000
Year Completed	2023

Votee Park Basketball Courts, Teaneck, NJ

CIVIL ENGINEERING DESIGN & CONSTRUCTION INSPECTION SERVICES

The project Votee Park Basketball Courts Improvements is located in the Milton Votee Park within the Township of Teaneck NJ New Jersey.

This project involved design and construction of Votee Park Basketball Courts including new fencing, full depth reconstruction of basketball courts, new surface paint, new lockers, electrical improvements, and other site amenities. The scope of work included:

- Demolition of existing basketball field
- New Fencing
- Grading and Drainage Improvements
- New lockers
- New Bicycle Racks
- Electrical improvements
- Trash Receptacles
- Coordination with LSRP

Fastech Design and CM team was comprised of a Design Engineer, CAD designer, Project Manager, Office Engineer and a construction inspector. Votee Park also has some environmental issues with the soil cap and contamination, therefor coordination and supervision of NJ licensed LSRP was also included in the scope of work of this project. This project was successfully completed within time and budget which was a big success for our team.



Design Engineering Services included:

- Select all the site amenities to accommodate client's need
- Designed and prepared construction site plan using Auto-CAD Civil 3D
- Design and prepared drainage and grading plan
- Designed and Prepared Construction Details
- Prepared Engineer's Cost Estimate
- Prepared Technical Specifications
- Prepared Project Bid Documents

Construction Engineering Services included:

- Oversight of Construction Activity
- Monitoring of Project Plans & Specifications
- Conduct Pre-Construction Conferences
- Pre-Construction Photos & Videos
- Change Order Management
- Reviewed Shop Drawings
- Approved Payment Applications
- Conduct Construction Progress Meetings
- Quality Assurance/Quality Control
- Final Site Review & Project Close-out
- Prepare As-built Drawings

Owner / Client	Township of Teaneck
Reference	Jaclyn M. Hashmat – (201) 837 1600
Role	Prime
Project Cost	\$250,000
Year Completed	2022

Hofstra Park Soccer Field, Prospect Park, NJ

CIVIL ENGINEERING DESIGN & CONSTRUCTION INSPECTION SERVICES

This project included the design, preparation of plans and specification, and construction management for the construction of a FIFA full size dimension synthetic turf soccer field. The soccer field is 150ft x 300ft when used at its full potential or can be used to host smaller training sessions by taking advantage of the mini soccer designs at 120ft x 150ft each. In addition to the multi-use soccer field there are two sets of 4 row 21ft standard bleachers, a electrical scoreboard, walking path, with sports lighting, modular block retaining wall, fencing and other site amenities.

We also preformed storm sewer modification and relocation, and sanitary sewer relocation. This project also included design of infiltration system to collect and infiltrate storm water. A subsurface infiltration system was also designed to infiltrate the peak flow from synthetic turf field.



This project was funded through Green Acres Grant and Passaic County Open Grants.

The project scope included:

- 5500sf artificial turf field
- Stormwater detention system
- Watermain relocation
- 8ft high chain link fence and gate
- Modular Block Retaining Wall System
- Electronic Scoreboard
- Sports Lighting
- Bleachers and trash receptacles
- Walking Path and Concrete pad

Engineering Design Services included:

- Design of a full-size synthetic turf soccer field
- Design of stormwater management system
- Design of Modular block retaining wall
- Design of new electrical connection and sports lighting and score board
- Bid Analysis, and make a recommendation of award

Construction Services included:

- Reviewed and approved all shop drawings
- Reviewed and all payments and change orders
- Construction management and inspection services
- Performed final inspections and project close out.

Owner / Client	Borough of Prospect Park- Passaic County
Reference	Mayor Khairullah – (973) 790 7902
Role	Prime
Project Cost	\$1.2 Million (Within Budget & On Time)
Year Completed	2021

Solar Powered RRFB Various Locations, Teaneck, NJ

CIVIL ENGINEERING DESIGN & CONSTRUCTION INSPECTION SERVICES

The scope of the project consisted of preparation of engineering design plans, specifications, and construction inspection services for construction of Solar Pedestrian Crossing Rapid Rectangular Flashing Beacon (RRFB) signs at Various location throughout the Township.

The project included the installation of 10 Units of Solar Powered Rectangular Rapid Flashing Beacon including foundations and other incidental items, reconstruction of curb ramps according to ADA standards, installation of detectable warning surfaces, replacement of vertical concrete curb and concrete sidewalk.

RRFB Signs Locations:

- 4 Units at Windsor Rd. and State St. Intersection
- 2 Units at Teaneck Rd. and Genesee Av. Intersection
- 2 Units at Teaneck Rd. and Oakdene Av. Intersection
- 2 Units at Cedar Ln. and Grange Rd. Intersection

Engineering Design Services included:

- Prepare preliminary design
- Prepared quantities take off
- Prepared engineers cost estimate
- Prepared project technical specification
- Prepared project bid documents
- Reviewed Contractors bids
- Prepared Construction Drawings



Construction Services included:

- Pre-Construction Conferences
- Coordinate with utility companies
- Progress Meetings
- Construction inspection
- Provided Community Liaison
- RFI services and Shop Drawings
- Quality Assurance / Quality Control
- Review contractor's invoice and payment vouchers
- Final inspection and project closeout

Owner / Client	Township of Teaneck
Reference	Jaclyn M. Hashmat – (201) 837 1600
Role	Prime
Project Cost	\$114,000
Year Completed	2020

Municipal Building Parking Lot Resurfacing, Teaneck, NJ

CIVIL ENGINEERING DESIGN & CONSTRUCTION INSPECTION SERVICES

The scope of the project consists of resurfacing of Municipal Building Parking lot at 818 Teaneck Road comprising of approximately 90,000 Square feet.

The improvements include milling and paving of the parking lot, drainage Improvements, new and improved thermoplastic pavement markings, reconstruction of the handicap ramps according to the ADA standards, installation of detectable warning surfaces, placing electrical conduits, replacing wheel stops, installing sign posts, traffic striping, transverse rumble stripes, demolishing existing curbs, resetting of castings, spot repair of concrete curb, sidewalks, replacement of curb piece with type N – ECO, adjustment of the existing catch basin, manholes as per field requirements and other incidental items.



Engineering Design Services included:

- Prepared Base map
- Prepared parking lot plan
- Prepared quantities take off
- Prepared engineers cost estimate
- Prepared project technical specification
- Prepared project bid documents
- Reviewed Contractors bids

Construction Services included:

- Pre-Construction Conferences
- Coordinate with utility companies
- Construction inspection
- Review contractor's invoice and payment vouchers
- Final inspection and project closeout

Owner / Client	Township of Teaneck
Reference	Jaclyn M. Hashmat – (201) 837 1600
Role	Prime
Project Cost	\$300,000
Year Completed	2021

2020 Roadway Resurfacing Program, Teaneck, NJ

CIVIL ENGINEERING DESIGN & CONSTRUCTION INSPECTION SERVICES

This project included the engineering design services for the Improvements to 33 streets almost 4 miles throughout the Township of Teaneck. It also includes full depth reconstruction of an entire street and drainage improvements at various location including installation of green infrastructure.

Design Engineering services were provided for resurfacing of approximately 4 miles of various streets throughout the Township. The roadways pavement was in very poor conditions. There were several water puddling issues and drainage needed to be improved either by the installation of new storm drain or by fixing the roadway grades. The curb ramps were not ADA complaint and need to be reconstructed. The curb, sidewalk and driveway aprons were also in poor conditions. The inlet curb heads needed to be changed to ecofriendly curb heads and grates to bicycle safe grates. Sections of the roadways required base repair. Traffic markings and signs were not consistent with the latest MUTCD standards. The project was designed to incorporate all the above-mentioned problems.



The project was designed to incorporate all the above-mentioned problems.

The project scope included:

- Spot fixing of concrete curbing
- Spot Fixing of sidewalks
- Full depth pavement reconstruction
- Roadway Milling 3" or less
- Drainage improvements
- Installation of Green infrastructure
- New bituminous pavement surface
- Driveway restoration
- ADA compliance handicap ramps
- New pavement markings
- Sawcut and seal pavement joints

Engineering Design Services included:

- Preparation of the project base map and existing conditions
- Performed drainage study and design new drainage improvements
- Prepared plans, Profile and cross-section for a brand-new street
- Design new curb ramp according to ADA standard
- Design project detail sheets
- Design traffic marking and signage plan.
- Design traffic control plan for work zone safety
- Design traffic detour plan
- Prepared quantities take off
- Prepared engineers cost estimate
- Prepared project technical specification
- Prepared project bid documents

Owner / Client	Township of Teaneck- Bergen County
Reference	Jaclyn M. Hashmat – (201) 837 1600
Role	Prime
Project Cost	\$2.3 million (On Budget)
Year Completed	2021 (On Time)

Excellence

Dedication

Professionalism

Borough Wide Parking Improvements, Prospect Park, NJ

TRAFFIC ENGINEERING & CONSTRUCTION INSPECTION SERVICES

The scope of the project consists of preparation of plans for Borough wide parking improvements. We designed a pilot program to improve parking for the portion of North 8th, Brown, N 9th and 10th Street to stripe the parking spaces to optimize the parking on the street.

After successful implementation of the pilot program we found out that the residents really liked the striped parking spaces and it improved the parking situation. Therefore, to facilitate the same concept we will provide a borough wide street parking plan to optimize the parking spaces. The borough needed as much parking spaces as possible to satisfy the parking need for the entire borough.



The scope of services included preparation of the existing condition plan to study the parking improvements. Evaluate the existing conditions and provide parking where there is enough space to optimize the parking spaces throughout the borough.

Traffic Engineering Services included:

- Base-map preparation
- Prepare parking study for entire park
- Prepared optimum parking plan
- Prepared engineers cost estimate
- Prepared project technical specification
- Prepared project bid documents
- Review Contractor's bids

Construction Services included:

- Pre-Construction Conferences
- Daily Progress and Quantity Reports
- Review of Contractor's invoices and payment vouchers
- Conduct Construction Progress Meetings
- Construction Inspection
- Final Inspection

Owner / Client	Borough of Prospect Park- Passaic County
Reference	Mayor Khairullah – (973) 790 7902
Role	Prime
Project Cost	\$70,000
Year Completed	2021

Traffic Signal Design N 8th and Planten Avenue, Prospect Park, NJ

TRAFFIC ENGINEERING & CONSTRUCTION INSPECTION SERVICES

The intersection of North 8th and Planten Avenue was a two way stop controlled intersection. It had a history of very high rate of accidents each year because of not adequate sight distance, high traffic volume and truck traffic. A traffic signal was warranted at this location. As an on-call traffic engineering consultant for the County of Passaic our firm was selected to design the traffic signal at this location.



The design was based on the guideline provided in the current Manual on Uniform Traffic Control Devices, New Jersey Department of Transportation Standards, and the Passaic County Standards. The design included all relevant plans including Construction Plan, Striping and Signing Plan, Traffic Signal Plan, Electrical Plan and Traffic Control Plan. Engineers estimate was also prepared, and supplemental specifications were compiled to be included in the bid package.

Traffic Study was also prepared to support the installation of new traffic signal. New traffic counts were conducted at this intersection during the three study periods, weekday AM peak period, weekday PM peak period and Saturday midday peak period. Intersection Capacity analysis was conducted using 2010 Highway Capacity Software to design the signal timing during different hours of the day/week. Accident data was obtained from the Police Department and crash analysis was performed at this intersection.

Engineering Design Services included:

- Traffic data collection
- Traffic Signal Warrant analysis
- Traffic signal design
- Vehicle and pedestrian detection system selection and design
- Development of traffic signal details for the project
- Development of traffic signal technical specifications for the project
- Prepared Traffic detour plan and traffic control plan for the work zone for various construction phases

Construction Services included:

- Pre-Construction Conferences
- Coordinate with utility companies
- Construction inspection
- RFI Services
- Review contractor's invoice and payment vouchers
- Final inspection and project closeout

Owner / Client	Passaic County, New Jersey
Reference	Timothy Mettlen, P.E. – (973) 881-4455
Role	Prime
Project Cost	\$300,000.00 (Within Budget & On Time)
Year Completed	2019

**Completed Forms
&
Required Documents**

**Request for Taxpayer
Identification Number and Certification**

Go to www.irs.gov/FormW9 for instructions and the latest information.

Give form to the
requester. Do not
send to the IRS.

Before you begin. For guidance related to the purpose of Form W-9, see *Purpose of Form*, below.

Print or type. See Specific Instructions on page 3.	1 Name of entity/individual. An entry is required. (For a sole proprietor or disregarded entity, enter the owner's name on line 1, and enter the business/disregarded entity's name on line 2.) Fastech Consulting, LLC		
	2 Business name/disregarded entity name, if different from above. Fastech Consulting Engineers		
	3a Check the appropriate box for federal tax classification of the entity/individual whose name is entered on line 1. Check only one of the following seven boxes. ☐ Individual/sole proprietor ☐ C corporation ☐ S corporation ☐ Partnership ☐ Trust/estate ☒ LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership) S Note: Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity. A disregarded entity should instead check the appropriate box for the tax classification of its owner. ☐ Other (see instructions)	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any) _____ (Applies to accounts maintained outside the United States.)	
	3b If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification, and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, check this box if you have any foreign partners, owners, or beneficiaries. See instructions ☐		
	5 Address (number, street, and apt. or suite no.). See instructions. 235 Moore Street - Suite 200	Requester's name and address (optional)	
6 City, state, and ZIP code Hackensack, NJ 07601			
7 List account number(s) here (optional)			

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. See also *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number	
or	
Employer identification number	

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and, generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	Signature of U.S. person <i>Farah Gilani</i>	Date 6/12/2025
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

What's New

Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner. Otherwise, it should check the "LLC" box and enter its appropriate tax classification.

New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest. This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3. See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they

State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs



THIS IS TO CERTIFY THAT THE
Board of Prof. Engineers & Land Surveyors

HAS LICENSED

FASTECH CONSULTING, LLC
FARAH A. GILANI
288 FABRY TERRACE
Teaneck NJ 07666

FOR PRACTICE IN NEW JERSEY AS A(N): **Certificate of Authorization**

Engineering

08/08/2024 TO 08/31/2026
VALID

24GA28181700
LICENSE/REGISTRATION/CERTIFICATION #

Farah Gilani

Signature of Licensee/Registrant/Certificate Holder

Cari Zais

ACTING DIRECTOR