

**QUALIFICATIONS STATEMENT**  
**FOR**  
**PROFESSIONAL ENGINEERING SERVICES**

**Town of Barrington, NH**

**February 1, 2021**

*Prepared For:*

**Town of Barrington**  
333 Calef Highway  
Barrington, NH 03825

*Prepared By:*

**ALTUS ENGINEERING, INC.**  
133 Court Street  
Portsmouth, NH 03801  
Phone: (603) 433-2335



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*Civil  
Site Planning  
Environmental  
Engineering*

133 Court Street  
Portsmouth, NH  
03801-4413

February 1, 2021

Town of Barrington  
Qualifications for Barrington  
Professional Engineering Services  
333 Calef Highway  
P.O. Box 660  
Barrington, NH 03825

**Re: Request for Qualifications for Professional Engineering Services  
Barrington, New Hampshire**

Dear Selection Committee,

Altus Engineering, Inc. is pleased to submit seven copies of our Qualifications Statement to the Town of Barrington. We represent a strong team of highly experienced staff and subconsultants who understand the level of commitment required of a municipal Engineer of Record and know how to respond to the Town's needs. Altus will work closely with the Town to facilitate timely preparation of our deliverables and provide the customary high level of service that our clients have come to expect.

Our team includes the geotechnical engineering firm of S.W. Cole Engineering, Inc. and survey subconsultant James Verra Associates, Inc. (JVA), both long-established businesses in the Seacoast area. Chad Michaud, PE, Barrington resident and executive vice president of S.W. Cole, has provided geotechnical services for many of projects on the Seacoast, often working directly with our principals. JVA's James Verra, a Strafford resident, has unparalleled knowledge of New Hampshire land surveying and has completed many surveys in Barrington. JVA's survey files date back to the 1930's and beyond. The combined team's familiarity with Barrington, experience in providing engineering services to municipalities and knowledge of the community itself will prove invaluable to the Town.

Billing rates for Altus' professionals are very competitive for municipal projects due to our ability to maintain low overhead. Another competitive advantage of Altus Engineering is our practice of employing highly experienced engineers. Our staff includes three principals and three additional registered professional engineers. We provide principal-level support for all aspects of a project, from conceptual design to resident inspection and shop drawing review. In addition, all planning board reviews are also performed by a company principal. When joined with the rest of the project team, the Town will tap a deep reservoir of experience.

We look forward to the opportunity to demonstrate the capabilities of Altus Engineering to the Town of Barrington. We encourage you to contact our references for first-hand accounts of our performance and qualifications. If you have any questions or need additional information, please feel free to call us at 603-433-2335.

Sincerely,

**ALTUS ENGINEERING, INC.**

A handwritten signature in black ink, appearing to read "E. D. Weinrieb". The signature is fluid and cursive, with a large initial "E" and "D".

Eric D. Weinrieb, PE  
President

Enclosures

ebs/5157-01-CoverLetter



## Company Profile and Location

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### WHO WE ARE

Altus Engineering, Inc. was established in 1995 to provide innovative and cost-effective civil engineering solutions for site, building, environmental and utility projects. With a staff of seven including five professional engineers, we strive to create and maintain quality working relationships in our own community, Altus focuses primarily on projects and clients in the New Hampshire and southern Maine seacoast area. This has allowed us to build strong relationships with local and State regulators, many of whom contact us on a regular basis for peer advice. This gives our clients a distinct advantage in meeting a project's regulatory requirements and often helps expedite permit reviews.

We take great pride in our staff, work product and client satisfaction. Most of our clients are long-term local businesses, institutions, and municipalities. For many years, Altus has provided civil engineering services to numerous communities including Greenland, Newington and Portsmouth. Our extensive municipal experience includes utility, educational, roadway and stormwater projects throughout New Hampshire. The team at Altus has designed sewer and drainage in downtown Portsmouth, sewer interceptors through the Hampton salt marshes, a dam reconstruction in Newington, utility upgrades in Newmarket and rebuilt town roads in Greenland, Portsmouth and Newington. Our principals also have experience with federal construction projects at several Navy and Air Force installations throughout Maine and Massachusetts.

The principals at Altus offer vast experience in the design and construction of private, municipal, state and federal projects. This experience provides valuable insight to identify design and permitting issues in the early of a project. A disciplined approach is used to fine tune engineering designs to both reduce construction costs and benefit construction schedules. In order to reduce the client's cost exposure, we diligently explore solutions that will yield the best construction value and advance the overall schedule while promoting harmony between the project and its surroundings.

At Altus, providing quality service is our primary objective.



### **COMPANY LOCATION**

Our office is located at 133 Court Street in downtown Portsmouth, New Hampshire.

Altus Engineering's professional staff has diverse project experience and offers the following areas of service:

### **Roadways**

- Repair and rehabilitation strategies
- Roadway design including corridor expansion, intersections and roundabouts
- Drainage facilities
- Culverts and box culverts
- Streetscape improvements

### **Site Engineering**

- Planning and site analysis
- Site layout and design
- Parking analysis
- Permitting and regulatory compliance
- Planning Board representation
- Public works and municipal facilities
- Brownfield redevelopment

### **Environmental Permitting**

- NHDES Wetland Dredge & Fill, Alteration of Terrain, Groundwater Discharge and Shoreland permitting
- NHB and DHR Coordination
- Local development permits
- Funding documentation
- Gravel pit reclamation

### **Wastewater Collection / Conveyance**

- Collection system design, permitting, analysis, computer modeling, and construction services
- Pump station and pressure sewer design
- Permitting and regulatory compliance
- Rate structure analysis
- Funding option analysis
- Subsurface disposal design and permitting
- Technical specifications

### **Stormwater Management**

- Drainage analysis and design
- Permitting and regulatory compliance
- LID stormwater practices
- Pollutant loading analysis

### **Construction Services**

- Bidding services
- Contract administration
- Resident project representative (Resident Engineer)
- Inspection services
- Record drawings
- Project start up and close out

### **Water Distribution**

- Water supply and management analysis
- Distribution system analysis, computer modeling, permitting and design
- Rate structure analysis
- Storage facility design
- Fire suppression system design

### **Sediment and Erosion Control**

- USEPA Construction Management plans and Stormwater Pollution Prevention Plans (SWPPP)
- SWPPP Inspections
- Temporary and permanent BMP design
- Operations and Maintenance plans

### **Other Services**

- Planning submission review
- Project management
- Planning and Zoning consultation
- Expert testimony
- Master planning and feasibility studies



Altus' three principals have over 85 years of combined experience on public and private projects in six states, including extensive municipal work. Our dedicated staff includes three additional registered Professional Engineers along with supporting technical staff. The following team members will be committed to the Town's engineering needs:

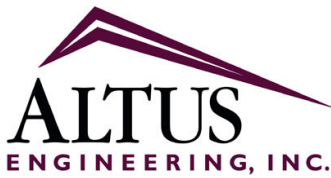
- Eric D. Weinrieb, PE, President will serve as the Project Team Manager and the Town of Barrington's main point of contact.
- Cory Belden, PE, Associate Principal will lend his extensive experience on municipal projects to our efforts.
- Dennis Moulton, PE, Project Engineer will serve as our construction inspector and boots on the ground. His vast field experience in the field will ensure Town projects get done right.

Altus has some of the finest subcontractors available for specific projects, including:

- James Verra & Associates, Inc. (Survey)
- S.W. Cole Engineering, Inc. (Geotechnical)
- Fuss and O'Neil (Bridge)







## Eric D. Weinrieb, PE - President

133 Court Street  
Portsmouth, NH 03801  
(603) 433-2335  
eric@altus-eng.com

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### Education

Bachelor of Science - Civil Engineering, University of New Hampshire, 1985

### Registrations

Registered Professional Engineer: New Hampshire (#7634), Maine (#6658)  
Sewage Disposal System Designer: New Hampshire (#809)  
Septic System Installer: New Hampshire (#2631)  
Certified Professional in Erosion and Sediment Control (#2188)

### Experience Summary

Mr. Weinrieb is a principal at Altus Engineering, Inc., with over 35 years of civil, survey, and construction engineering experience. A significant portion of Mr. Weinrieb's experience is with municipal and institutional projects. He understands the challenges facing municipal departments and their constituents, especially in the area of public relations. He is an accomplished public speaker, communicating complex engineering concepts at public hearings, often to non-technical stakeholders. Eric's design and construction administration expertise with municipal facilities has made him highly respected by municipal staff, state regulators, selectmen, councilors, and the public.

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### Project Experience

Town of Greenland, NH: On an on-going basis since 2001, Altus provides civil engineering services to the Town of Greenland, including inspection of all roadway construction and site development within the Town and reviews of Planning Applications.

Town of Newington, NH: In addition to review of Planning Applications in his position as Town Engineer, Eric developed construction documents to reconstruct several failed subdivision roadways in Newington. Challenges included determining cause of the roadway failure and developing recommendations for remediation. Altus administered the contracts and oversaw the reconstruction work. Altus has served as town engineer since 2003.

Motts Pond Dam (Newington, NH): This project involved reconstruction of a Town-owned dam that included hydraulic analysis and the design of an upgraded outlet structure. Reservoir draw-down was coordinated with NHDES and abutting property owners.

Foye's Corner Sewer Extension (Portsmouth/Rye, NH): Mr. Weinrieb was the project manager for the Foye's Corner Sewer Extension. Eric oversaw the design, permitting and construction administration for the 1,500 linear foot sewer from Odiorne Point Road in Portsmouth to Foye's Corner in Rye. This low-pressure sewer main was constructed to serve approximately 15 homes and businesses, including the 225-seat Atlantic Grill Restaurant. Close coordination with Portsmouth and Rye staff to secure PUC approval for the inter-municipal agreement was required to bring the project to completion.

Smuttynose Brewery (Hampton, NH): In addition to the design and permitting of the brewery complex, Eric's work included a 275 gpm municipal pump station, a section of force main and a gravity sewer from the site, a portion of which was suspended off the Towle Farm Road Bridge over NH Route 101. Eric also worked closely with the Rockingham Economic Development Corporation to secure EDA funding for the project.

Chestnut Street Streetscape Improvements (Portsmouth, NH): This project involved constructing a decorative arch, streetscape improvements and the utility infrastructure upgrades to the antiquated utilities in the narrow and limited project corridor adjacent to the historic Music Hall. Mr. Weinrieb performed design services and oversaw the construction as the City's Project Representative.

Woodbury Ave. Roadway Assessment (Newington, NH): Prior to NHDOT turning a portion of Woodbury Avenue over to the Town, Altus performed a thorough review of the corridor in order to identify any deficiencies in the infrastructure. As a result of this study, the Town was able to net \$2.5M in upgrades from the State prior to accepting the road.

York Hospital (York, ME): On an ongoing basis since 1999, Mr. Weinrieb has provided civil engineering design and inspection support for the hospital main campus. Responsibilities have included compliance, site design and permitting. Projects have included voluntary stormwater quality improvements, a multi-phased coordinated expansion, a new surgery center, patient rooms, helicopter pad, and parking lot expansions.

Town of Barrington, NH - RFQ for Professional Engineering Services



## Cory D. Belden, PE – Sr. Project Engineer

133 Court Street  
Portsmouth, NH 03801  
(603) 433-2335  
cbelden@altus-eng.com

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### Education

Bachelor of Science - Civil Engineering, Worcester Polytechnic Institute, 1994

### Registrations

Professional Civil Engineer: New Hampshire (#14239), Maine (#13817), California (#C61865)  
LEED AP (Leader in Energy and Environmental Design Accredited Professional)  
Certified Professional in Stormwater Management (UNH 2018)

### Experience Summary

Mr. Belden has over 25 years of engineering design, construction, and project management experience including the design and relocation of utilities for roadway improvement projects. Cory has designed sewer systems, storm drainage systems, water distribution lines, and coordinated the relocation of gas, oil, electrical, cable and fiber optic facilities. He has extensive experience in municipal roadway design and construction management as well as multi-disciplinary projects for State agencies and local municipalities. Mr. Belden has prepared numerous plans, specifications, and estimate (PS&E) packages to publicly bid for construction. He also has extensive experience performing detailed hydraulic analyses and sustainable design practices, particularly in best management practices for storm water management. Cory has coordinated with state agencies, local municipalities, regulatory agencies, and numerous private utilities to successfully deliver projects. He also has experience working in construction management, assisting with the construction of utility and infrastructure projects.

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### Project Experience

Sewer Separation in the Christian Brook Drainage Basin (Manchester, NH): Cory is currently working as a Project Engineer for permitting of the combined sewer outfall (CSO) separation for the Christian Brook drainage area in Manchester. Altus Engineering is a subconsultant to AECOM for this project and in charge of local, state and federal permitting. Altus has coordinated with NHDES to address Alteration of Terrain, Wetlands, and Wastewater permitting requirements regulations.

NH Route 101 – Brentwood to Exeter (Brentwood, NH): Mr. Belden served as a Design Engineer for the preliminary design of 8 miles of four-lane limited-access highway from Brentwood to Exeter. The project was later split into 8 segments for Final Design, and Mr. Belden was the Design Engineer on 2 of these which consisted of approximately 2 miles of highway and 2 interchanges. Mr. Belden worked primarily on the roadway geometrics, including roadway alignments, profiles, typical sections, detailed cross sections, and grading plans. He was also responsible for construction cost estimates and quantity calculations.

Hoover Drive and West Road Drainage Improvements (Portsmouth, NH): Mr. Belden served as the Project Manager/Engineer for the storm drainage improvement projects at West Road and Hoover Drive in the City of Portsmouth. These projects involved the modeling and design of the storm drainage improvements and surface roadway improvements. Altus Engineering also assisted the City with construction oversight to management the construction phase of each project.

Stonewall Drive Roadway and Infrastructure Project and Industrial Park Site Plans (Dover, NH): Project Engineer for the design of Stonewall Drive, Stonewall Kitchen, and Rand-Whitney site development, which included a new 275,000 square foot industrial building consisting of office space, warehousing, and manufacturing. The project involved the construction of new roadway and municipal pump station for the new industrial park. Altus worked closely with City of Dover and NHDES Wastewater Bureau for the sewer design and the Alteration of Terrain Bureaus for the Stormwater Management Plan.

Pointe Place Mixed-Use Development (Dover, NH): Mr. Belden is the Project Engineer/Project Manager for this mixed-use commercial and residential development in the City of Dover. The project is located on a 56 acres lot between Dover Point Road and Middle Road and includes five (5) separate subdivisions and the proposed Pointe Place and Sierra Hill Drive roadways. The stormwater management system implements low impact development (LID) through multiple stormwater treatment BMP's throughout the site, including raingardens and infiltration ponds. The project required five NHDES Alteration of Terrain Permits, a NHDES Wetlands Permit and a NHDES Sewer Connection Permit.

Rockingham Green (Newmarket, NH): Project Engineer for this 52-home subdivision on Rockingham Golf Course in Newmarket, NH. Mr. Belden was the project engineer and completed the design approval plans. Mr. Belden designed the roadway geometrics, drainage and storm water management system (including five raingardens), offsite roadway improvements, a low pressure (eOne) sewer system and a water distribution system which included a directional boring under a prime wetland. The project required a NHDES Alteration of Terrain Permit, NHDES Wetlands Permit, NHDES Sewer Connection Permit, and NHDOT Driveway permit.

Town of Barrington, NH - RFQ for Professional Engineering Services



## Dennis Moulton, PE - Project Engineer

133 Court Street  
Portsmouth, NH 03801  
(603) 433-2335  
dmoulton@altus-eng.com

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### Education

Bachelor of Science, Civil Engineering – Worcester Polytechnic Institute, Worcester, MA, 1981

### Registrations

Professional Engineer, State of New Hampshire, Certificate Number 07276

Professional Engineer, State of Maine, Certificate Number 13271

Licensed Subsurface Designer, State of New Hampshire, License Number 1840

### Experience Summary

Mr. Moulton brings nearly 40 years of engineering experience, encompassing numerous specialties within the field of Civil Engineering. In addition to his experience in structural, traffic and water supply engineering, Mr. Moulton has spent the last 20 years working locally on civil site development projects. This experience includes the design of large and small commercial and residential sites as well as presenting projects to regulatory boards. Mr. Moulton's current duties focus on oversight of projects during construction, providing invaluable insight into the practical aspects of site development.

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### Project Experience

Hilton Garden Inn Hotel and Condominiums (Portsmouth, NH) Located on Hanover Street in downtown Portsmouth, this project consisted of a five-story hotel and separate five-story condominium building on the site of an existing open parking lot. Challenges included working within a very tight site adjacent to historic structures, coordinating utility connections and relocations, providing ADA-compliant access and addressing the concerns of the City's regulatory boards.

Hotel (Exeter, NH) An abandoned commercial property on Portsmouth Avenue required innovative subsurface stormwater detention and hydrodynamic treatment methods to meet municipal and state regulatory requirements. The stormwater design contributed to the prerequisites needed for LEED Certification of the new hotel. The tight site and difficult topography presented challenges that needed to be overcome to make the project successful.

Albacore Way Residential Subdivision (Portsmouth, NH) This project, located in the Atlantic Heights neighborhood of Portsmouth, redeveloped an existing wooded lot with a single residential structure into a new residential subdivision containing 23 new townhouse style residences while preserving the existing residence. Dennis' design successfully mitigated the increases in stormwater runoff in compliance with the City's requirements and conformed to the City's stringent subdivision standards.

RiverWoods at Durham Continuing Care and Retirement Community (Durham, NH) This newly built facility on Route 108 required substantial engineering oversight during construction. The facility required the extension of water and sewer infrastructure to the site within the State right-of-way. Dennis designed the sewer and water extensions, worked to procure the necessary Town and State permits and provided oversight services and documentation of the utility extensions in accordance with the Town's and State's requirements. Additionally, Dennis provided oversight and documentation of the on-site subsurface stormwater galleries, sand filters and porous pavement areas.

Huntington Run Residential Subdivision (Kittery, ME) Dennis provided construction oversight of the subsurface disposal system and stormwater system for this 20-lot subdivision located off Betty Welch Road. The site required four large concrete chamber septic disposal areas fed by individual pump systems for each residence. Dennis, working with a Maine licensed septic designer, oversaw and documented the construction of the beds and force mains serving the community. The site also featured a wet pond and underdrained soil filters, both of which require documentation and certification to the State.

Bramber Green Age Restricted Housing (Greenland, NH) As the Town's consultant, Dennis provided documentation of the construction of a 72-lot age restricted housing development at the site of an abandoned golf course. His charge was to ensure that the construction was performed in accordance with the approved plans and in accordance with good engineering practice. Site development included the extension of municipal water, porous pavement installations and an extensive closed drainage system. Dennis worked with the developer, contractor and Town to ensure that the development was successfully completed.

Various Projects (Newington, NH) As Town engineer, Altus has overseen many projects on behalf of the Town of Newington where Dennis' expertise has been invaluable. These include roadway and dam reconstructions, paving, drainage and utility installations.

**JAMES VERRA and ASSOCIATES, INC.**

**Land Surveying, Land Planning, Consulting**

**101 Shattuck Way, Suite 8  
Newington, N.H. 03801-7876**

**603-436-3557**

**[jva@jvasurveyors.com](mailto:jva@jvasurveyors.com)**

**JAMES VERRA and ASSOCIATES, INC.**

**101 Shattuck Way, Suite 8  
Newington, N.H. 03801-7876**

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**STATEMENT OF QUALIFICATIONS**

James Verra and Associates, Inc. is a New Hampshire Corporation providing land surveying, land planning, and mapping services to the public and private sector. We are licensed Professional Land Surveyors in New Hampshire and Maine. We are in possession of the records and plans of John W. Durgin, Durgin/Schofield Associates and Edward M. Smith, over 120 years of land records.

Our clients include landowners and developers, engineers, land surveyors, architects, commercial and industrial companies, hospitals, utility companies, land title and insurance companies, banks, attorneys, and municipal, state, and federal agencies.

We provide a complete range of surveying and mapping services including:

- Boundary Surveys
- Topographic Surveys
- Subdivisions & Lot Line Revisions
- Project Permitting
- Existing Conditions and As-Built surveys
- Construction Layout
- Route & Utility Surveys
- Raw Material Volume Computations
- ALTA/ACSM Land Title Surveys
- Photogrammetric Control
- FEMA Elevation Certificates & Letter of Map Amendment (LOMA's)
- Global Positioning System (GPS) Services
- Tax Mapping

# **JAMES VERRA and ASSOCIATES, INC.**

**101 Shattuck Way, Suite 8  
Newington, N.H. 03801-7876**

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**James Verra, LLS  
Principal**

## **EDUCATION**

B.A., American History, University of New Hampshire  
A.A.S., Civil Technology, University of New Hampshire

## **LICENSES**

New Hampshire Land Surveyor #625  
Maine Professional Land Surveyor #1330

## **EXPERIENCE**

Mr. Verra has been in the surveying field for over 35 and has worked on all phases of boundary, subdivision, topographic, utility and construction surveys. This includes field survey and construction layout, office computations, deed research, preparation of legal descriptions, and testimony as an expert witness. Some of this experience is represented by the following projects:

- Project surveyor for highway improvement survey for the Fox Run Mall, Newington, NH for Anderson-Nichols Company, Inc. The work included right-of-way research, computations of right-of-way location, field survey, highway construction baseline layout, grid control baseline for mall construction, and computation of mall subdivision plat.
- Field surveyor and land surveyor for survey work done at Turnkey Landfill, Rochester, NH, for Waste Management of New Hampshire.
- Project surveyor for a 300-acre land survey of Wentworth-by-the-Sea property located in Rye and New Castle, New Hampshire, including field survey and office computations.
- Project manager for over 75 Easement/Site Plans for Verizon (formerly Bell Atlantic, NET/NYNEX).
- Project surveyor for permitting of water production wells in the seacoast area of New Hampshire.
- Project manager for 16-lot Hobbs Farm Subdivision, North Hampton, New Hampshire.
- Project manager for renovation and expansion of Plaza 800, Islington Street, Portsmouth, NH.
- Hunter's Run subdivision, Rye, New Hampshire - 10 lots
- Parsonage Woods subdivision Rye, New Hampshire - 6 lots
- Estate of Marion S. Rand subdivision, Rye, New Hampshire – 7 lots.
- Stevens Realty Trust subdivision, Rye, NH – 5 lots
- ALTA/ACSM Land Title Survey, National Gypsum Company, Portsmouth, New Hampshire
- ALTA/ACSM Land Title Survey, Mark Wentworth Home, Portsmouth, New Hampshire
- ALTA/ACSM Land Title Survey, Fox Run Mall, Newington, New Hampshire
- ALTA/ACSM Land Title Survey, Stonecroft Apartments, Portsmouth, New Hampshire

## **PROFESSIONAL AFFILIATIONS**

Fellow, New Hampshire Land Surveyors Association (NHLSA)  
Past President  
Past Treasurer  
Past Chair, Legislative Committee, Survey Standards Committee  
Maine Society of Land Surveyors (MSLS)  
National Society of Professional Surveyors (NSPS)

**JAMES VERRA and ASSOCIATES, INC.**

101 Shattuck Way, Suite 8  
Newington, N.H. 03801-7876

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**John C. Salter, LLS**  
**Project Surveyor**

**EDUCATION**

B.S., Electrical Engineering, University of New Hampshire

**LICENSES**

New Hampshire Land Surveyor #924

**EXPERIENCE**

Mr. Salter has worked on all phases of boundary, topographic, subdivision, utility, and construction surveys. This work includes deed research, computations, preparation of suggested legal descriptions, computer drafting, construction layout and testimony as an expert witness.

Mr. Salter is manager for GPS services and his experience includes: project planning; static and real time kinematic (RTK) measurements; establishment of and coordination of horizontal and vertical control for aerial mapping photo control, FAA Elevation Certificates, land surveying and engineering purposes.

The following list is representative of his experience:

- Field party chief for over 20 Verizon (Bell Atlantic, NYNEX) easement/site surveys.
- Field party chief for over 20 wireless communication sites for Sprint Spectrum
- Preparation of AutoCAD drawings for Verizon (Bell Atlantic, NET/NYNEX) easement surveys, Sprint Spectrum Communications Existing Conditions Surveys and Zoning Drawings.
- Project surveyor for quality control surveys of structural steel anchor bolt locations (pre and post construction) for multi-story structures in Boston and Andover, Massachusetts.
- 220-acre boundary survey of Rockingham County Complex - Brentwood, N. H.
- Hydrographic survey of the Hampton Harbor Inlet from the confluence of the Hampton and Blackwater Rivers to Beckman's Point. Hydrographic, topographic and boundary survey along the Blackwater River, Seabrook, N. H. for River Street Erosion Protection Project. Hydrographic survey of Penacook Lake, Concord, NH.
- Multiple ALTA/ACSM Land Title Surveys in New Hampshire.
- Project surveyor for 200-acre survey for Little River Salt Marsh Restoration Project. The survey area contained over 50 parcels.
- Utilization of GPS survey methods on construction layout and hydrographic surveys;
- Project surveyor for the 'Riverwoods at Exeter, NH' campus including the following sites: The Woods; The Ridge; & The Boulders.
- Project surveyor for the City of Portsmouth, Lincoln Ave, Contract 3 Sewer Separation.

**PROFESSIONAL AFFILIATION**

New Hampshire Land Surveyors Association (NHLSA)



**JAMES VERRA and ASSOCIATES, INC.**

101 Shattuck Way, Suite 8  
Newington, N.H. 03801-7876

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**Glen T. Demers, LLS**  
**Staff Surveyor**

**EDUCATION**

Old Dominion University-Survey Engineering

**LICENSES**

New Hampshire Land Surveyor #998

**EXPERIENCE**

Mr. Demers has over 30 years of survey experience including boundary, topographic and construction surveying including office computations, deed research and computer drafting.

The following list is representative of his experience:

- Field crew chief for runway improvement survey for US military, Terciera, Portugal.
- Field crew chief for existing conditions plans for US Navy Seals at several sites in the Commonwealth of Puerto Rico.
- Field crew chief for survey of naval flight lines, Virginia Beach, VA.
- Field crew chief for 7 mile horizontal and vertical control network for Interstate 664 improvements, VA.
- Supervising crew chief for 230 acre boundary survey, subdivision and construction layout, Virginia Beach, VA.
- Crew chief and project surveyor for various ALTA/ACSM Land Title surveys, existing conditions plans, and boundary surveys in coastal NH.
- Project surveyor for condominium site plans and floor plans.

**PROFESSIONAL AFFILIATIONS**

New Hampshire Land Surveyors Association (NHLSA)



Our Clients Make Better Decisions  
**From the Ground Up.**

## Providing Earth-Related Services for more than 40 Years

Established in 1979 in Bangor, Maine, S. W. Cole Engineering, Inc. is a geotechnical engineering, geo-environmental consulting and construction materials testing firm serving private and public sector clientele across New England from offices in Maine, New Hampshire, Massachusetts and Vermont. Our team of engineers, scientists and technicians provide services on more than 2,200 projects each year.

### WHAT WE DO:

#### GEOTECHNICAL ENGINEERING

*Subsurface Investigations, Foundations, Earthwork, Pavement*

Our licensed engineers provide sensible geotechnical solutions for foundations, earthwork and pavements associated with building, site development and infrastructure projects in New England. Our services include:

- Geotechnical Feasibility Studies
- Subsurface Investigations
- Spread Footing Design Parameters
- Deep Foundation Engineering and Design
- Ground Improvement Engineering
- Excavation and Dewatering Consulting
- Retaining Wall and Slope Stability Analyses
- MSE Retaining Wall Design
- Pavement Engineering and Design
- Geotechnical Laboratory Testing

#### CONSTRUCTION MATERIALS TESTING & SPECIAL INSPECTIONS

*Soil, Concrete, Grout, Asphalt, Masonry, Steel, Fireproofing*

Our certified technicians provide field and laboratory testing for soil, concrete, masonry, steel, fireproofing and asphalt construction materials, including:

- Construction QA / QC Programs and Monitoring
- Earthwork Observations and Compaction Testing
- Reinforced Concrete Testing and Special Inspections
- Soil / Aggregate Sampling and Testing
- Structural Masonry Testing and Special Inspections
- Structural Steel Testing and Special Inspections
- Spray-Applied Fireproofing Testing and Special Inspections
- Pavement Evaluation and Testing
- IBC Special Inspection Coordination
- Slab Flatness and Moisture Testing
- Certified Welding Inspector Testing



Sidney, ME • Bangor, ME • Caribou, ME • Gray, ME  
Londonderry, NH • Somersworth, NH • Taunton, MA • White River Junction, VT

## Selected Projects Barrington, NH

### **Lower Central Avenue – Dover, NH**

In 2020, S.W.COLE was retained by the project engineer to provide explorations and geotechnical evaluation for reconstruction of a portion of Central Avenue. The proposed project consists of reconstruction of approximately 2,300 linear feet of Central Avenue between its intersections with Starks Avenue and Silver Street and upgrading of municipal utilities. The asphalt pavement on this area of Central Avenue is underlain by rigid concrete pavement. We provided an exploration program consisting of 10 test borings, provided soils laboratory testing, and made recommendations for construction of a new pavement section.

### **Culvert Replacements – Wentworth, NH**

In 2020, S.W.COLE was retained by the project engineer to provide explorations and geotechnical engineering for two culvert/bridge replacement projects. One site is located on Frescoln Road at the crossing of Rocky Branch and the second site is located on Cross Road at the crossing of Rocky Branch. Both existing crossing structures consists of a 15 to 20-foot culvert crossing. We performed two test borings at each crossing and performed bedrock coring. We evaluated the subsurface findings using Load Resistance Factored Design (LRFD) methodology and developed recommendations for spread footing foundations.

### **Municipal Roadways – Somersworth, NH**

In 2018, S.W.COLE was retained by the project engineer to provide explorations and geotechnical evaluation for reconstruction of several City roadways. The project consisted of reconstruction of a total about 7,700 linear feet of roadways and upgrading of municipal utilities. The roadways in this project included the entirety of Constitutional Way from High Street to Washington Street, Main Street from Johns Parsons Drive to Indigo Hill Road and the entirety of Cemetery Road from West High Street to Maple Street. We provided an exploration program consisting of 10 test borings and 28 ledge probes, provided soils laboratory testing, and made recommendations for construction of a new pavement section.

### **Province Road – Barrington, NH**

In 2020, S.W.COLE was retained by the Town of Barrington Highway Department to provide explorations and geotechnical evaluation conditions of the gravel portion of Province Road. About 2,500 linear feet of Province Road from about 500 feet east of Ham Road to the Madbury town line has historically had winter and spring seasonal issues comprised of mudding, rutting, and general road instability. We performed 6 test borings to assess the subsurface conditions and provide laboratory gradation and chloride and sodium testing to evaluation the road base conditions. We evaluated the conditions and provide reconstruction options with various risk and cost discussions.

### **Municipal Roadways – Concord, MA**

In 2020, S.W.COLE was retained by the project engineer to provide explorations and geotechnical evaluation for reconstruction of several City roadways. The project consisted of reconstruction of a total about 6,900 linear feet of roadways. The project involves five roads in a residential neighborhood including; Prescott Road, Peter Spring Road, Arrowhead Road, Cranefield Road, and Minuteman Drive. We provided an exploration program consisting of 13 test borings, provided soils laboratory testing, and made recommendations for construction of a new pavement section. Our evaluation included a reclaim blend analysis to assess the gradation of the resulting base product from grinding existing pavement into the existing base aggregate layer.



**S.W.COLE**  
ENGINEERING, INC.

Our Clients Make Better Decisions  
**From the Ground Up.**

## Selected References Barrington, NH

**Gregg M. Mikolaities, P.E.**  
**President**  
**August Consulting, PLLC**  
1 Willow Ln  
Rye, New Hampshire 03870  
(603) 475-3658  
Gregg@Augustpllc.com

**Joel C. Moulton**  
**Public Works Director**  
**Town of Eliot**  
476 H. L. Dow Highway  
Eliot, ME 03903  
207-439-9451  
jmoulton@eliotme.org

**Michael Bezanson, P.E.**  
**City Engineer**  
**City of Rochester-Pierce**  
45 Old Dover Road  
Rochester, NH 03867  
603-332-4096  
michael.bezanson@rochesternh.net





**Chad B. Michaud, P.E.**

Executive Vice President  
Chief Operating Officer  
Principal Geotechnical Engineer

**Education:**

B.S., Civil Engineering,  
University of Maine  
GBA Fundamentals of  
Professional Practice Course

**Registrations:**

Professional Engineer (P.E.),  
New Hampshire, Maine,  
Connecticut, Massachusetts,  
Vermont and Rhode Island

**Affiliations:**

American Council of Engineering  
Companies (ACEC)  
GBA Professional Firms  
Practicing in the Geosciences

**Public Service:**

Board of Directors, Barrington  
Youth Association  
Environmental Technical  
Advisory Board, Creteau Career  
and Technical Center, Spaulding  
High School  
Youth Baseball, Softball, and  
Soccer Coach

**SOMERSWORTH OFFICE**

Chad Michaud went to Stearns High School in Millinockett, Maine before attending the University of Maine in Orono, Maine. Chad joined S. W. Cole Engineering, Inc. in 1999 as a Geotechnical Engineer. His duties progressed to a project manager and senior geotechnical engineer.

Chad has served on the Board of Directors since 2009. In 2014, he was named Executive Vice President and Chief Operating Officer of the firm. His responsibilities in these roles include corporate management, branch office management, project management training and mentoring, and corporate level oversight of operational functions such as health and safety, human resources and information technology.

Chad's responsibilities with the firm as a Senior Geotechnical Engineer are to manage projects, service clients, provide contract development, coordination of subcontractors and subconsultants, and oversee a staff of geotechnical engineers providing coordination of subsurface investigations and geotechnical design and specifications. Chad has experience providing soils engineering services on a variety of projects including multi-story mixed use commercial buildings, roadways, state and municipal bridges, airports, wastewater and water treatment facilities and lagoons, gas pipelines, municipal buildings, schools, towers, and large retail facilities and industrial structures in New Hampshire, Maine, Connecticut, Vermont, Massachusetts and Rhode Island.

Chad is known for his extensive experience with municipal and local public agency (LPA) funded bridge projects. Chad has worked on hundreds of bridge replacements and rehabilitations in the state of New Hampshire, as well as across New England.

Chad has significant experience providing geotechnical evaluation and global stability analyses for segmental mechanically stabilized earth (MSE) retaining walls and earth embankment slopes. Chad has been involved with many projects requiring a review of slope failures and the development of alternatives for reconstruction.

Chad has experience with field testing and evaluation of various storm-water infiltration testing techniques such as double-ring infiltrometer, Guelph permeameter, and borehole falling head methods.



**Tyler Demers, P.E.**

Project Geotechnical Engineer

**Education:**

M.S., Geotechnical Engineering,  
University of New Hampshire

B.S., Civil Engineering,  
University of Maine

**Certifications:**

ACI Certified Concrete Field  
Technician

Troxler Certified Nuclear]  
Densometer Operator

Tyler Demers was raised in Lebanon, Maine. After receiving a bachelor's of science in civil engineering from the University of Maine in Orono, Tyler continued his education at the University of New Hampshire in Durham, where he received a master's degree in geotechnical engineering.

While home from the University of Maine in the summer months, Tyler worked at S.W.COLE as a seasonal laboratory and field technician. After receiving his master's degree, he was hired as full time geotechnical engineer. He is currently studying for the Professional Engineer license exam.

Tyler's responsibilities with the firm as a geotechnical engineer in the Somersworth, New Hampshire office include, but are not limited to, overseeing field exploration programs and preparing reports and exploration logs; performing geotechnical design computations for structures such as foundations and retaining walls; and coordinating subcontractors for various subsurface investigations such as test borings, test pits and test probes. He is responsible for overseeing the implementation of design recommendations for various geotechnical tasks, some of which include pile driving, foundation preparation, subgrade observation and soil compaction.

**Project Experience:**

**East Billerica Sewer Extension, Contract 36, Billerica, Massachusetts:** Work on this project included 23,000 linear feet of gravity sewer, 5,800 linear feet of forcemain sewer and 11,500 linear feet of water line as well as upgrades to an existing sewer pump station and the construction of a new sewer pump station. Tyler provided field observation and coordination for an exploration program including 105 test borings and 10 test probes. His duties included daily coordination with multiple drill rigs and with police and client representatives to undertake the extensive program. Tyler compiled exploration findings and assisted in the preparation of the geotechnical evaluation and report for the project.

**West Stadium, University of New Hampshire, Durham, New Hampshire:** Tyler provided observation and documentation during the pile driving operations for support of this new football stadium building. The subsurface conditions consisted of shallow outcropping bedrock steeply sloping downward and overlain by a soft marine clay deposit. Construction required installation of more than 150 steel H-piles bearing on bedrock. Tyler documented final set on the piles, calculated pile pit and cut-off elevations, and recorded the information in a summary table.

**Industrial Building, Mast Road, Dover, New Hampshire:** Tyler provided observation and documentation of earthwork activities during building pad construction for the 100,000+ square foot industrial building. Construction included over-excavation of unsuitable fills below the building pad and placement of blast rock borrow and soil fills. Tyler observed and documented the proper placement of the blast rock borrow and the techniques to choke voids with finer material. Work also included field density testing for compaction of soil fill materials.

**SOMERSWORTH OFFICE**




**Community**

site/civil, schools, greenways, roadway, adaptive reuse, traffic, land survey, planning, complete streets, landscape architecture, mixed-use development, bridge design, and redevelopment


**Construction**

construction management, construction administration, structural engineering, brownfields redevelopment, dam safety engineering, and environmental services


**Energy**

consulting and design services, mechanical and electrical engineering, petroleum storage/distribution, utility infrastructure, structural engineering, facility and campus management


**Environment**

watersheds, brownfields, climate resiliency, wetlands, assessment/remediation, hazardous building materials consulting, air quality, waste management, stormwater, and water quality development


**Facility**

green infrastructure, hazardous waste management, air quality, site planning and engineering, construction management, environmental compliance, and site remediation


**Infrastructure**

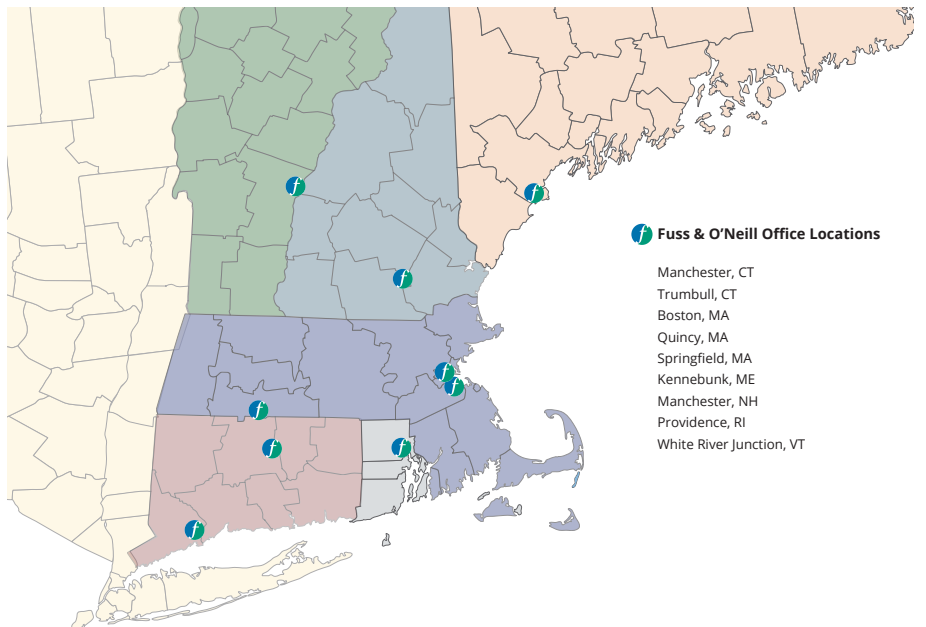
transportation, wetland mitigation, restoration, coastal resiliency, watershed management, green infrastructure, MS4 compliance, dam safety, and habitat restoration


**Manufacturing**

increased productivity, maintenance, and reliability, asset management, health and safety program development, education/training, standardization, and operational safety

Fuss & O'Neill is a full-service engineering firm with a depth of staff and experience to complete any project – from initial design to final construction. Headquartered in Manchester, CT, our 300+ person firm has 9 regional offices throughout all 6 New England states. As we grow in size, we maintain our client-first philosophy. We work closely with all stakeholders to give life to a community's vision. Our professional staff maintains licenses and certifications across a wide range of engineering, planning, landscape architecture, design build, scientific, and manufacturing disciplines.

We place great emphasis on collaboration, both within the company and with our clients. We are guided by what is best for the client and the project, identifying project champions, naming project leaders, building project teams, and providing responsive service and quality deliverables. Our mission is to provide our clients with innovative and practical engineering, scientific, and planning solutions. It is what we have been doing since our firm was established in 1924, and what we remain committed to do.


**Fuss & O'Neill Office Locations**

- Manchester, CT
- Trumbull, CT
- Boston, MA
- Quincy, MA
- Springfield, MA
- Kennebunk, ME
- Manchester, NH
- Providence, RI
- White River Junction, VT



## Bridge Engineering

As part of our structural engineering group, we provide bridge engineering services to municipalities, state agencies, architects, industrial, and private clients for vehicular, pedestrian, and railroad bridge projects. Projects range from inspection and evaluation of existing structures to the design of bridge repairs, rehabilitations, replacements, and new structures.

Utilizing a variety of construction materials, we pride ourselves on designing bridges, arches, and culverts that complement their surroundings while meeting the needs of our clients and community residents. Because of our extensive experience in this field, we are able to develop innovative, cost-effective solutions that minimize visual and physical impacts to the surroundings and achieve project goals. Our expertise includes repairs to concrete and steel bridge elements, rehabilitation of historic structures, single and multiple span bridges over waterways, roadways, interstate highways, and railroads, as well as a variety of steel trusses, stone and masonry arches, precast concrete boxes/arches/frames, timber, steel and pre-stressed concrete girders. We regularly incorporate staged construction techniques into our designs to maintain traffic during construction. We also perform type studies and load ratings and design temporary shorings and supports for construction activities.

As a multidiscipline engineering firm, we have the ability to coordinate survey, geotechnical engineering, utilities, wetlands, hydrologic/hydraulic engineering, roadway design, maintenance and protection of traffic, permitting, property impacts, and public outreach activities in order to develop designs and repairs that protect the environmental integrity of the location and bring the project to a successful conclusion.

### RELEVANT BRIDGE ENGINEERING PROJECTS



#### NH Route 153 over Cocheco River Bridge Replacement - Farmington, NH

Fuss & O'Neill provided the design and construction documents for the replacement bridge. This included a span length study including a comprehensive river hydraulics report.



#### Juniper Hill Road over Brennan Brook - Frankestown, NH

Fuss & O'Neill was retained by the Town of Frankestown to perform the design and construction administration for the complete replacement of a 12-foot span pipe arch.





### I-293 Exit 4 Bridge Replacements - Manchester, NH

We provided the engineering for the full replacement of four bridges and the rehabilitation of one bridge. Two lanes of traffic were maintained throughout construction, which necessitated wider bridge/roadway widening.



### Twin Bridge Replacement - Unity, NH

Fuss & O'Neill provided preliminary engineering, prepared contract plans, and administered and inspected construction, in conjunction with funding through FEMA and NHDOT Municipal Bridge Aid.



### Airport Road over Airport Marsh Outlet - Whitefield, NH

Fuss & O'Neill provided all engineering services from preliminary studies through construction administration for the reconstruction of the Airport Road Bridge. Airport Road is the principal access route to Mt. Washington Regional Airport and Whitefield Industrial Park.

### ADDITIONAL BRIDGE ENGINEERING PROJECTS

Pelham Road over Second Brook, Hudson, NH

Webster Mills over Sanborn Brook, Chichester, NH

Charcoal Road over Charcoal Bridge, Dublin, NH

Woodward Hill Road over Brennan Brook, Franconia, NH

Brooklyn Street Bridge over Roaring Brook, Northumberland, NH

George's Mills Road over Star Lake Outlet, Springfield, NH

Old Cheshire Road over Spring Brook, Unity, NH

Bridge Program Engineering Services, Laconia, NH

Hands Across the Merrimack Bridge, Manchester, NH

Manchester Street Bridge over Pennichuck Brook, Nashua-Merrimack, NH

Bridge Inspection and Maintenance Program, Manchester, NH



## Jaime French, PE

*Senior Project Manager | Bridge Team Leader*

“As a bridge engineer, I find it satisfying to figure out how all the pieces of a project fit together, put them on paper, and see a project through construction. I am able to see my ideas come to life in the field.”

[jfrench@fando.com](mailto:jfrench@fando.com)

800.286.2469 x2170

### EDUCATION

BS, Civil Engineering - 2000  
Michigan Technological  
University

### LICENSES & REGISTRATIONS

Professional Engineer VT  
Professional Engineer NH  
Professional Engineer ME  
Professional Engineer MA

### PROFESSIONAL AFFILIATIONS

Structural Engineers of NH  
ACEC - ME

### EXPERIENCE

21 years Professional Experience

Jaime is Fuss & O'Neill's Bridge Team Lead in our Manchester, NH office. Her management experience includes working directly with clients, overseeing the technical aspects of projects, directing the activities of staff engineers, and coordinating with the non-structural disciplines associated with projects. She has more than 20 years of technical experience include the design of steel, reinforced concrete, and precast concrete structures, bridge inspection, bridge rating and construction inspection.

### REPRESENTATIVE PROJECTS:

#### **Charcoal Road over Charcoal Brook, Dublin, NH:**

As Contract Administrator, Jaime was responsible for construction oversight on this Municipally Managed bridge project. This bridge project involved the replacement of a 22-foot-long jack arch bridge with a 70-foot-long steel girder bridge on integral abutments. The road was raised several feet to meet the hydraulic requirements and improvements to the roadway horizontal alignment were included.

#### **Queen City Bridge Rehabilitation and Preservation, Manchester, NH:**

As Project Manager and Contract Administrator, Jaime was responsible for engineering and construction services for the 1,190-foot-long Queen City Bridge, which spans the F.E. Everett Turnpike, the Merrimack River, the Riverwalk, and the Boston and Maine railroad tracks. The project includes



repairs to complete clean and paint of the truss, concrete repairs to the deck and substructure components, and new membrane and pavement.

**Wiswall Road Bridges over Lamprey River, Durham,**

**NH:** As Project Engineer and Resident Engineer, Jaime was responsible for the structural design and plan preparation for the replacement of two single-span, single-lane bridges. Replacing the two bridges with a single-span, 108-foot-long pre-cast concrete bridge was selected. The bridge was built on new concrete abutments with a façade created by using stone blocks from the existing abutment.

**Stage Road over the Little Sugar River, Unity, NH:** Jaime served as Contract Administrator and Resident Engineer for this Municipally Managed project. The project consisted of replacing a 30-foot metal pipe arch that washed out during the floods of October 2005. The replacement bridge is a single 90-foot-span steel girder bridge on cast-in-place concrete abutments.

**Hands Across the Merrimack Pedestrian Bridge,**

**Manchester, NH:** As Project Engineer and Resident Engineer, Jaime was responsible for structural design and plan preparation for this Municipally Managed pedestrian bridge project. The project consisted of converting an existing truss bridge that crosses the Merrimack River and F.E. Everett Turnpike into a pedestrian and bicycle bridge.

**South New Boston Road over South Branch**

**Piscataquog River, Frankestown, NH:** As Project Engineer, Jaime was responsible for structural design and plan preparation oversight on this Municipally Managed bridge project. The project consisted of replacing the existing 43-foot single span steel girder structure with an 85-foot single span galvanized steel girder bridge founded on integral abutments.

**Goffs Falls over abandoned BMRR, Manchester,**

**NH:** As Project Manager, Jaime was responsible for project development for the bridge replacement of this Municipally Managed project. The project consisted of replacing the existing three-span 89-foot long steel girder structure with a 20-foot single pre-cast concrete arch. Jaime was also responsible for structural design oversight and plan preparation oversight.

**Woodward Hill Road over Brennan Brook,**

**Frankestown, NH:** As Project Engineer, Jaime was responsible for structural design oversight, plan preparation oversight, and contract administration of this Municipally Managed bridge replacement project. This project involved the complete replacement of a 12-foot span pipe arch with a 47-foot span concrete NEXT beam bridge.

**Juniper Hill Road over Brennan Brook, Frankestown,**

**NH:** As Project Engineer, Jaime was responsible for structural design oversight, plan preparation oversight, and contract administration of this Municipally Managed bridge replacement project. This project involved the complete replacement of a 12-foot span pipe arch with a 36-foot span pre-cast concrete rigid frame bridge.

**Manchester Street over Pennichuck Reservoir,**

**Merrimack-Nashua, NH:** As Project Engineer, Jaime was responsible for the structural design, plan preparation, and contract administration for this Municipally Managed bridge replacement. The existing historic 20-foot span steel girder bridge was replaced with a 120-foot-long, 3-span bridge supported on abutments and piers with micro-piles. The increased bridge length minimizes impacts to the historic substructure and the prime wetland. Extensive coordination with NHDES, NHDHR and ACOE was required.



## John Byatt, PE

*Vice President*

“Every day is an opportunity to problem solve. I enjoy designing solutions and looking at things from different perspectives.”

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800.286.2469 x2122

### EDUCATION

BS, Civil Engineering - 1990  
University of New Hampshire,  
Durham

MS, Civil Engineering - 1993  
University of New Hampshire,  
Durham

### LICENSES & REGISTRATIONS

NHDOT LPA Labor Comp NH  
Professional Engineer VT  
Professional Engineer ME  
Professional Engineer MA  
Professional Engineer NH  
Professional Engineer RI

### PROFESSIONAL AFFILIATIONS

Women in Transportation (WTS)  
Structural Engineers of NH  
Precast Concrete Institute

### EXPERIENCE

28 years Professional Experience

John is a Vice President in our Transportation Business Line. The Transportation business line focus is on providing innovative and cost-effective solutions to our client’s transportation needs. This includes highway, traffic, structural and bridge engineering solutions for state, local, federal and private clients. John develops and maintains relationships with our key clients, leads significant transportation projects, and ensures quality and consistency through Fuss & O’Neill’s transportation group.

John’s background is in bridge engineering and project management. He has extensive experience developing small and large projects from the design stage through construction. His technical experience includes preliminary bridge investigations, construction plan development and rating analysis as well as the design of steel and concrete bridge structures.

### REPRESENTATIVE PROJECTS:

#### Stage Road Over Little Sugar River, Unity, NH:

John served as Project Manager and Construction Administrator for the replacement of a 30-foot metal pipe arch that washed out during the floods of October 2005. The replacement bridge was a single 90-foot-span steel girder bridge on cast-in-place concrete abutments.

#### Webster Mills Road Bridge, Chichester, NH:

John served as Project Manager and Construction Contract Administrator for this Municipally Managed bridge project. The project consisted of the replacement of a single-span steel girder bridge with a 24-foot pre-cast concrete arch structure with cast-in-place concrete wing-walls. Construction was successfully completed in six weeks.

**Airport Road Over Airport Marsh Outlet, Whitefield,**

**NH:** John served as Project Manager and Construction Contract Administrator for the replacement of a collapsed metal pipe arch with a pre-cast concrete arch. The replacement structure was designed to not adversely affect an adjacent dam during construction.

**Wiswall Road Bridges over Lamprey River, Durham,**

**NH:** John served as Project Manager and Construction Contract Administrator for the replacement two single-span, single-lane bridges. One 108-foot-long pre-cast concrete single span bridge was constructed. The bridge was built on new concrete abutments with a façade created by using stone blocks from the existing abutment.

**Pelham Road over Second Brook, Hudson, NH:**

As Project Manager, John was responsible for project development of this Municipally Managed bridge replacement project. John oversaw the design and construction administration for the complete replacement of a 5-foot diameter pipe with a 16-foot span precast concrete rigid frame bridge.

**Hands Across the Merrimack Pedestrian Bridge,**

**Manchester, NH:** John served as Project Manager and Construction Administrator for this Municipally Managed pedestrian bridge project. The project consisted of converting an existing truss bridge that crosses the Merrimack River and F.E. Everett Turnpike into a pedestrian and bicycle bridge. Other responsibilities included resident inspection.

**Old Cheshire Road Over Spring Brook, Unity, NH:**

As Project Manager and Construction Administrator, John was responsible for this Municipally Managed bridge replacement. The replacement bridge was a single 24-foot span pre-cast concrete arch. This structure

improves the hydraulic opening significantly compared to the original twin 5-foot diameter culverts. Other improvements included widening the road and raising the profile to improve site distance.

**Manchester Street over Pennichuck Reservoir,**

**Merrimack-Nashua, NH:** John served as Project Manager for this Municipally Managed bridge replacement. The existing historic 20-foot span steel girder bridge was replaced with a 120-foot-long, 3-span bridge supported on abutments and piers with micro-piles. The increased bridge length minimizes impacts to the historic substructure and the prime wetland. Extensive coordination with NHDES, NHDHR and ACOE was required.

**Granite Street Bridge over Merrimack River,**

**Manchester, NH:** John served as Structural Task Manager for this Municipally Managed project. This project widened the existing 4-span, 466-foot-long bridge across the Merrimack River from four to seven lanes, and incorporated a 4-foot bicycle lane and 12-foot sidewalks on both sides of the bridge.

**Woodward Hill Road over Brennan Brook,**

**Francestown, NH:** As Project Manager, John was responsible for project development of this Municipally Managed bridge replacement project. The project was a complete replacement of a 12-foot span pipe arch with a 47-foot span concrete NEXT beam bridge.

**Juniper Hill Road over Brennan Brook, Francestown,**

**NH:** As Project Manager, John was responsible for project development of this Municipally Managed bridge replacement project. This project was a complete replacement of a 12-foot span pipe arch with a 36-foot span pre-cast concrete rigid frame bridge.



## Selected Project Experience

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### MUNICIPAL

Barrington Middle School Septic System	Barrington, NH
Deerfield Community School	Deerfield, NH
Durham Fire Station	Durham, NH
Epping Elementary School	Epping, NH
Fremont Elementary School	Freemont, NH
Greenland Central School	Greenland, NH
Town Engineer	Greenland, NH
Greenland Police Station	Greenland, NH
Hollis Middle School	Hollis, NH
Sanborn Regional High School	Kingston, NH
Lamprey Regional Cooperative Recycling Facility	Madbury, NH
New Boston Elementary School	New Boston, NH
New Hampton Fire Station	New Hampton, NH
Motts Pond Dam	Newington, NH
Newington Elementary School Septic System	Newington, NH
Newington Public Works Garage	Newington, NH
Newington Town Hall Parking Lot	Newington, NH
Town Engineer	Newington, NH
Nimble Hill Road Bike Lanes	Newington, NH
Newmarket Elementary School	Newmarket, NH
Newport Elementary School	Newport, NH
North Hampton Public Works Garage	North Hampton, NH
North Hampton Elementary School	North Hampton, NH
Northwood Elementary School	Northwood, NH
Woodbury Avenue Roadway Assessment	Portsmouth, NH
Peirce Island WWTF Upgrade	Portsmouth, NH
Borthwick Avenue Sewer Upgrade	Portsmouth, NH
Maple Haven Area Drainage Improvements	Portsmouth, NH
Moffit Street Construction Inspection Services	Portsmouth, NH
Pleasant Point Pressure Sewer Inspection Services	Portsmouth, NH
Sagamore Grove Sewer Study	Portsmouth, NH
Sagamore Avenue Low Pressure Sewer	Portsmouth, NH
Chestnut Street Streetscape Project	Portsmouth, NH
Maplewood Ave. Reconstruction Masterplan	Portsmouth, NH
Hoover Drive and Taft Road Improvements	Portsmouth, NH
West Road Drainage Upgrade Project	Portsmouth, NH
Lamprey River Elementary School	Raymond, NH
Old Bye Road Culvert and Roadway Reconstruction	Raymond, NH
Rochester Vocational Center	Rochester, NH
Rochester High School Expansion	Rochester, NH
Shoal View Drive Road Reconstruction	Rye, NH
Seabrook MS4 NPDES Update	Seabrook, NH
Main Street Sewer Extension	Somersworth, NH
Lamprey Landfill	Somersworth, NH
Hill Library	Strafford, NH





## Selected Project Experience

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### INSTITUTIONAL

RiverWoods Durham (includes offsite water and sewer extension)	Durham, NH
Phillips Exeter Academy – Center for Theater and Dance	Exeter, NH
Phillips Exeter Academy – Thompson Field House	Exeter, NH
Phillips Exeter Academy – Geothermal Field	Exeter, NH
Phillips Exeter Academy – Lamont Health & Wellness Center	Exeter, NH
Phillips Exeter Academy – Spill Prevention / Stormwater	Exeter, NH
Phillips Exeter Academy – Performing Arts Center	Exeter, NH
Phillips Exeter Academy – Faculty Housing – Phases I & II	Exeter, NH
Phillips Exeter Academy – Love Gym Expansion	Exeter, NH
RiverWoods ( <i>The Ridge, The Boulders</i> , and Admin. Building)	Exeter, NH
Southern District YMCA (Exeter YMCA)	Exeter, NH
Squamscott Community Center	Exeter, NH
Portsmouth Naval Shipyard, Various Projects	Kittery, ME
Strawbery Banke – Tyco Center	Portsmouth, NH
Seacoast YMCA	Portsmouth, NH
York Hospital	York, ME
York Housing Authority – Senior & Workforce Housing	York, ME

### SITE DEVELOPMENT

Pointe Place	Dover, NH
Optima Bank	Dover, NH
Dover Mills Parking Lot	Dover, NH
Stonewall Kitchen Distribution Center	Dover, NH
Rand Whitney	Dover, NH
Liberty Mutual Sidewalk Reconstruction	Dover, NH
Spring Village at Dover	Dover, NH
The Squamscott Block	Exeter, NH
Smuttynose Brewery (includes offsite sewer extension)	Hampton, NH
Lewis Farm Conservation Subdivision	Kittery, ME
Pearson Meadows Cluster Subdivision	Kittery, ME
F.W. Webb Facilities	Multiple Locations
Shaw's Supermarkets	Multiple Locations
Bryant Rock Condominiums	Newmarket, NH
Rockingham Green Subdivision	Newmarket, NH
300 Constitution Avenue	Portsmouth, NH
Provident Bank Building	Portsmouth, NH
The Westerly	Portsmouth, NH
Middle Hill	Portsmouth, NH
Martingale Wharf	Portsmouth, NH
Ocean Bank Corporate Headquarters	Portsmouth, NH
Tuckaway Tavern Septic System Replacement	Raymond, NH
Great Falls School Apartments	Somersworth, NH
Lily Pond Golf Course	Somersworth, NH
South Mill Redevelopment	Somersworth, NH

***Town of Newington***

Marth Roy, Town Administrator  
205 Nimble Hill Road  
Newington, NH 03801  
(603) 436-7640

***City of Portsmouth***

Department of Public Works  
Peter Rice, Director  
680 Peverly Hill Road  
Portsmouth, NH 03801  
(603) 427-1530

***Town of Rye***

Department of Public Works  
Dennis McCarthy, Director  
309 Grove Road  
Rye, NH 03870  
(603) 964-5300



Altus makes a considerable effort to understand a project and its potential impacts on the community prior to writing a review. After receiving the submittal, we perform a preliminary evaluation to identify whether the package is complete and to get a general sense of the proposal. This is followed by a visit to the project site. Where some might not even bother with a drive-by, we walk every single site. This gives us the lay of the land and helps us get a better appreciation on how the pieces fit together. Subsequently, we reach out to the Planning Department and, if need be, Town department heads such as the Road Agent and the Fire and Police chiefs to identify any of their concerns. Our reviews themselves are conducted not only on the basis of Town and State regulations and standard engineering practice, but also with an eye towards the practicality of a design.

This thorough approach carries over into our design projects as well where we keep a close eye on the details that can have significant impacts on project cost. In addition to familiarizing ourselves with the site, we also take the time to communicate with the client so that we fully understand the goals of the project before putting pen to paper. With this kind of front-end input, we tend to find that simplicity is preferable to overly complicated plans and do our best to achieve the cleanest design solution possible. Rather than focusing exclusively on the trendy, our experience allows us to match the most effective solution to the specific site, be it tried and true or cutting edge. This efficiency means our projects take less time and are cost effective.

Altus carries \$2 million in professional liability insurance and no claims have been made against our policy in the past five years.





Our Billing Rate Structure has been provided to the Town under a separate cover.



To our knowledge, Altus currently has no conflicts of interest related to the performance of work for the Town of Barrington.

