



February 24, 2020

Ms. Nydia Lugo
Municipal Assistance Bureau
Agency of Transportation
219 North Main Street
Barre, VT 05641

Re: Statement of Qualifications for At-The-Ready Consultant Engineering Services for Municipalities Construction Inspection Category JTC Proposal #20-157

Dear Ms. Lugo:

In response to your RFQ dated February 6, 2020, it is our pleasure to submit this SOQ for Two-Tier (State-Local) Qualifications-Based Selection for At-The-Ready (ATR) Consultant Engineering Services for Municipalities. JTC has enjoyed a long history of providing construction inspection services to municipalities throughout Vermont and New England. We pride ourselves in being highly responsive to our clients' needs and working collaboratively with all stakeholders in a professional and respectful manner. JTC offers the following benefits:

- **Relevant Experience.** Successful performance on many infrastructure improvements throughout Vermont and New England including: Federal Street Connector Project, St. Albans; Center Market Street Project, Rutland; VAST Trail and Bridge Project; Valley Trail Project, Dover; Mill Street Sidewalk Project, East Barre; Covered Bridge Improvements Project, Waitsfield; Construction Management/Construction Inspection Contract, Providence, RI; and MaineDOT Multimodal Program for Highway Inspection, Construction Management and Support. Please refer to our project profiles included in our SOQ.
- **Skilled and Local Team.** We have a strong team led by our highly-experienced Principle-in-Charge, John Turner, and Program Manager, Rich Seymour. Our team will consist of a well-seasoned staff of Construction Inspectors and Resident Engineers. Please refer to the resumes included in our SOQ.
- **Excellent Communications.** JTC prides itself on timely and accurate reporting and communications.
- **In-House Materials Testing.** JTC offers technically superior in-house materials testing services with a local laboratory right in South Burlington.

JTC is pleased to respond to this RFQ and would enjoy continuing to work with the staff at the VTrans. JTC is uniquely qualified to provide these services and would bring immense value to this contract. The enclosed submission includes all the required submittals requested in the RFQ regarding our qualifications, experience, resources and staff, and scope of services offered.

We look forward to discussing our approach and qualifications with you in more detail.

Respectfully,
JOHN TURNER CONSULTING, INC.

A handwritten signature in blue ink, appearing to read 'Richard Seymour', with a long, sweeping underline.

Richard Seymour, Vermont Regional Manager
Cell: (802)-440-6373 | rseymour@consultjtc.com

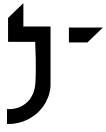
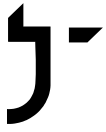


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B. GENERAL FIRM INFORMATION

1. Introduction to Consultant Firm

John Turner Consulting, Inc.

S-Corporation, established in 1997

New Hampshire Corporate Office

44 Lafayette Road, Unit 6, North Hampton, NH 03862

Phone: 603-379-9162 | Email: johnt@consultjtc.com

Vermont Locations

12 Gregory Drive, Unit 7, South Burlington, VT 05403

5 Legion Drive, Hartland, VT 05048

JTC Contact

Richard Seymour, VTrans Program Manager | rseymour@consultjtc.com

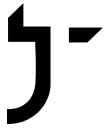
John Turner Consulting, Inc. (JTC) has been in business since 1997 providing construction engineering and inspections, geotechnical engineering, environmental engineering, special inspections and materials testing services to public and private clients throughout New England. JTC has provided resident inspections of varying scope on over 750 projects throughout New England. Since 2003, we have provided these services for the VTrans, NHDOT, and MaineDOT.

- In March of 2017, JTC was selected as one of 6 top firms to provide Construction Inspection services to Vermont municipalities on locally managed projects for up to 5 years. Contract work includes inspection; record keeping; preparation of reports, participation in construction meetings; calculation and verification of quantities; review of invoices and pay requests; review of traffic control; development of as-built plans; inspection and approval of materials; review and recording of reports for materials and equipment inspection and testing; and, work related to construction inspection.
- JTC has also been awarded Construction Inspection Oversight multi-year term contracts with Lebanon, NH; Augusta, Lebanon, and Portland, ME; Gloucester, MA; Providence and Westerly, RI.
- JTC has over 23 years of construction inspection experience throughout Vermont and New England. JTC's proposed team is comprised of highly experienced Resident Engineers with specific expertise to service Burlington Public Works effectively. We have over 70 qualified construction inspectors.

Construction management and construction inspection services are the core of what we do. We give these contracts our full attention and work hard to maintain our clients' trust. Our team will bring you:

- Highly qualified/experienced and dedicated construction inspectors and support staff
- Depth of resources/staff to service the Planning Commission
- A proven track record of delivering successful projects
- Knowledge of the Vermont guidelines, standards, and procedures
- Depth of similar experience on federally funded projects
- Superior technical knowledge to meet varied local transportation project needs
- Efficiency/consistency in scheduling, reporting, and billing

JTC offers over 23 years of construction experience in diverse civil and construction engineering projects such as roadway, bridge, aviation, geotechnical, quality assurance, construction materials testing and



monitoring, schedule/claims analysis, community outreach, constructability reviews, project scheduling, and environmental permitting.

Experienced Construction Inspection services including, but is not limited to: road and bridge construction, roadway rehabilitation projects including mill and re-surface, asphalt and concrete sidewalks, building foundation construction, bicycle and pedestrian projects, culvert replacement and upgrades, transit related projects, aviation projects, storm water drainage upgrades, catch basin upgrades and replacements, traffic intersection projects, erosion and sediment control, landscaping, street lighting, road safety evaluations, roadway signage and striping projects. JTC currently has a staff of 70 experienced construction inspectors supported by 35 materials testing technicians.

Our inspection services include contractor oversight, construction meeting attendance and documentation, verification and documentation of all project material quantities, certification of all construction materials, contractor invoice and pay request approvals, reviews of all shop submittals, onsite traffic safety verification, response to Request for Information (RFI's), change order development, final certification documentation, punch lists, report and photo documentation, project file management, and final as-built drawings.

Value Added Services

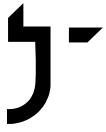
Material testing services include construction testing in the field, JTC laboratory, and at manufacturing plants. Each member of JTC's field and laboratory staff has qualified for one or more programs, including:

- NorthEast Transportation Technician Certification Program (NETTCP) – soils, concrete, and/or asphalt (for field, lab, and plant)
- American Concrete Institute (ACI) – Concrete Field Technician, Concrete Lab Technician, Strength Testing Technician, Aggregate Testing Technician
- National Institute for Certification in Engineering Technologies (NICET) Level I and II Inspectors
- Troxler Nuclear Density Gauge
- HAZWOPER (40-hour) Safety Training
- Structural Steel: ultrasonic, mag particle, dye-penetrant and certified welding inspections (CWI)
- Pre-cast/Prestressed Concrete Institute (PCI) – Levels I and II Inspectors
- International Code Council (ICC) – Concrete Reinforcing Steel and Masonry Inspectors, Fireproofing
- Post Tensioning Inspectors
- National Fire Protection Association (NFPA) Certified Firestopping Inspectors (Pro Board Certified)

JTC has complete laboratory facilities for the testing and evaluation of concrete, asphalt, masonry, soils, fireproofing, and steel, as well as miscellaneous materials such as wood. Our laboratories meet the requirements of ASTM C1077 and E329 and has been successfully:

- Accredited by the American Association of State and Highway Transportation Officials (AASHTO)
- Inspected by the Cement and Concrete Reference Laboratory (CCRL)
- Inspected by New England Transportation Technician Certification Program (NETTCP)
- Validated by the Army Corps of Engineers

JTC personnel have been involved in many federally funded transportation construction projects in Vermont and throughout New England. These projects have followed all required federal aid construction contract requirements such as non-discrimination, Davis Bacon Provisions, construction



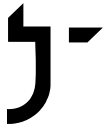
safety standards, implementation of the Federal Clean Water Act, equal opportunity regulations, fair wage verification requirements, and federal highway standards.

JTC has provided professional services for more than 1,500 state and federally-funded projects throughout New England. Below are examples of recent state and federally-funded projects.

- VTrans 3-year Materials Testing Term Contract
- VTrans 5-year At-The-Ready Consultant Engineering Services for Municipalities
- Border Patrol Project, Berlin, Swanton, and Canaan, VT
- Burlington International Airport, VT
- City Center Project, Rutland, VT
- Covered Bridge Rehabilitation & Road Reconstruction, Waitsfield, VT
- Middlebury State Airport, Middlebury, VT
- Morrisville-Stowe State Airport, VT
- Multimodal Connection Project, Jericho, VT
- Northeast Kingdom International Airport, Newport, VT
- Safe School Project, Rockingham, VT
- Valley Trail Project Segment A, Dover, VT
- Vermont Air National Guard, Burlington, VT
- Waterbury State Office Complex, VT (\$175M)
- William H. Morse State Airport, VT
- Army Reserve Center, Portsmouth, NH
- Bay Street Construction Oversight, Town of Westerly, RI
- Beverly Regional Airport, Beverly, MA
- Bradley International Airport, CT
- Chatham Municipal Airport, Chatham, MA
- City of Portland, ME 3-year term contract
- City of Providence, RI Public Works Department 5-year term contract
- CTDOT 5-year term materials contract
- Construction Inspection Services, Augusta, ME
- Dillant-Hopkins Airport, Keene, NH
- Eastern Slope Regional Airport, Fryberg, ME
- Gardner Municipal Airport, Gardner, MA
- Hanscom Field, Bedford, MA
- Laconia Municipal Airport, Laconia, NH
- LaGuardia Airport, East Elmhurst, NY
- Lawrence Municipal Airport, MA
- Lebanon Municipal Airport, Lebanon, NH
- Logan International Airport, Boston, MA
- MaineDOT Construction Inspection Contracts for Highway, Bridge & Multi-Modal
- Manchester-Boston Regional Airport, Manchester, NH
- Meriden-Markham Airport, Meriden, CT
- Minute Man Air Field, Stow, MA
- Nantucket Memorial Airport, Nantucket, MA
- New Bedford Regional Airport, MA
- NHDOT Term Materials Contract
- NHDOT Construction Engineering & Inspection Contract
- Oxford County Regional Airport, Oxford, ME
- Pease Air National Guard (over 10 projects)
- Pease International Tradeport, NH
- Pittsfield Municipal Airport, Pittsfield, MA
- Portsmouth Naval Shipyard (over 40 projects)
- Skyhaven Airport, Rochester, NH
- T.F. Green Airport, Warwick, RI
- USCG Base Cape Cod MWR, Buzzards Bay, MA
- Westfield-Barnes Regional Airport, MA
- Worcester Regional Airport, Worcester, MA

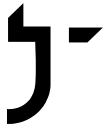
Unlike many engineering firms that offer construction inspection services as a sideline, JTC is primarily an inspection and materials testing firm. Currently, JTC has a staff of over 150 professional/technical staff throughout New England, most with the multiple certifications vital to the proper inspection and testing required. JTC is the only Army Corps of Engineers validated testing laboratory in Northern New England. JTC has laboratory offices in South Burlington and Hartland, Vermont.

In support of our field staff, JTC maintains in-house laboratory facilities meeting requirements of Army Corps of Engineers, AMRL & CCRL for AASHTO R18, ASTM C1077 Concrete and Aggregates, ASTM D3666



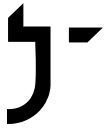
Hot Mix Asphalt, and ASTM D3740 Soils. This ensures that samples will be tested by a firm meeting the highest Laboratory standards in the industry. Our laboratory can test and evaluate concrete, asphalt, masonry, soils, fireproofing and steel, as well as miscellaneous materials such as wood. In addition, our laboratory and field equipment are calibrated against standards registered with the National Institute of Standards and Technology (NIST). We maintain a strict quality control program, and all documentation verifying calibrations and procedures are found in our Quality Control Manual.

JTC will provide all inspection and testing equipment necessary for the completion of our work. JTC will use digital photography equipment to compile a photo digest of the project. Additionally, all our Resident Engineers are OSHA trained and furnished with the required safety equipment (vests, hard hats, work boots, vehicle warning lights, etc.), cell phone, and laptop computer. As the need arises, JTC will provide our own nuclear density gauge for testing density of soils, subbase gravels and asphalt as well as HMA or concrete cylinder testing, and sieve analysis.



2. Organization Chart





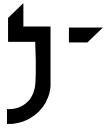
3. Availability Chart

JTC is confident that we have sufficient resources for this project, and we have selected a project team that is immediately available. Our proposed team has many years of experience with materials testing and inspections for municipal projects.

Our strength is that we are large enough to have the staff, experience, knowledge, and resources to provide effective and efficient professional services but small enough with a local philosophy so that each of our clients are treated with the attention and care they deserve because we truly value these relationships.

As a part of our superior service and its depth of well experienced staff, we would be able to respond to any project need on short notice. On many of our current projects, JTC regularly responds on extremely short notice and has the resources available to do so.

KEY STAFF MEMBER	PROJECT FUNCTION	AVAILABIITY (%)
John D. Turner	Principal-in-Charge	25
Richard Seymour	Program Manager/Resident Engineer	75
Adam Allen	Testing Technician	100
Travis Arel	Testing Technician	50
Percy Bannerman	Construction Inspector/Resident Engineer	75
Christopher Cote	Testing Technician	75
Nathan Cutter	Construction Inspector/Resident Engineer	50
Brian Fletcher	Construction Inspector/Resident Engineer	100
Robert C. Henson, II	Construction Inspector/Resident Engineer	50
Eric Keenan	Testing Technician	100
Jason Keenum	Construction Inspector/Resident Engineer	75
Stephen C. Lanne, P.E.	Construction Inspector/Resident Engineer	25
Robert LaRoche, P.E.	Construction Inspector/Resident Engineer	50
Charles W. Lawrence	Construction Inspector/Resident Engineer	50
Thomas A. McIntosh III, P.E.	Construction Inspector/Resident Engineer	25
Patrick Murray	Construction Inspector/Resident Engineer	50
Michael J. Willis, P.E.	Construction Inspector/Resident Engineer	25
Brandon Yeo	Construction Inspector/Resident Engineer	25
Judson Zachar, P.E.	Construction Inspector/Resident Engineer	25



E. CONSTRUCTION INSPECTION SERVICES

1. Qualifications and Experience of Firm

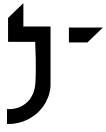
JTC personnel have been involved in many federally funded transportation construction projects in Vermont and throughout New England. These projects have followed all required federal aid construction contract requirements such as non-discrimination, Davis Bacon Provisions, construction safety standards, implementation of the Federal Clean Water Act, equal opportunity regulations, fair wage verification requirements, and federal highway standards.

Our proposed project team has a strong working knowledge of Federal regulations involved in projects that affect design, permitting, environmental impact, ROW, and construction including but not limited to:

- CFR Title 23 (Federal Highways), Title 49 (Transportation)
- Manual on Uniform Traffic Control Devices (MUTCD), Federal Highway Administration
- 28 CFR, Part 36, American with Disabilities Act
- National Environmental Protection Act
- AASHTO Guide for Design of Pavement Structures & Specifications for Highways
- AASHTO Roadside Design Guide
- Section 106 of the National Historic Preservation Act
- Section 4(f) of the Dept. of Transportation Act
- Section 404 (Wetlands) of the Federal Clean Water Act

Our project team has significant experience with most local and state regulations, policies, and guidance documents that potentially could impact municipal construction projects in terms of construction inspection, permitting, environmental impacts, and construction. Those include but are not limited to:

- VTrans Municipal Assistance Bureau (MAB) Local Projects Guidebook for Locally Managed Projects Specifications for Contractor Services MAB Guidebook
- Vermont Pedestrian and Bicycle Policy Plan (VTrans, January 2008)
- Vermont Pedestrian and Bicycle Planning and Design Manual (VTrans, Dec. 2002)
- VTrans Report on Shared-Use Path and Sidewalk Unit Costs (August 2014)
- VTrans Standard Specifications for Construction VTrans Construction Manual, VTrans Utilities and Structures Manual, VTrans Route Survey Manual, VTrans Local Transportation Facilities Guidebook, VTrans Policy for CADD Standards, Vermont APL and Materials with Advanced Certification; VT Quality Assurance and Material Sampling Manuals
- Categorical Exclusion evaluations per National Environmental Policy Act (VTrans)
- Utility Right of Way (ROW) coordination (VTrans)
- (ROW) easement including permanent and temporary construction easements (VTrans)
- Work in Highway ROW Permit 1111 (VTrans)
- Municipal Flood Hazard permit review via the Agency of Natural Resource, (VT ANR DEC)
- Streambed Alteration permit (VT ANR DEC)
- Construction and Operational Stormwater Permits (VT DEC)
- American Water Works Association (AWWA) Standards
- Vermont Wetland and Lakes/Ponds Rules
- Act 250 Land Use Development Law



2. Brief Examples of Projects

Federal Street Connector Phase 1 – City of St. Albans, VT. Richard Seymour of JTC recently provided all construction management, financial oversight, onsite inspections, and materials testing for the Federal Street Connector Project in St. Albans, Vermont. The project was developed to resolve traffic congestion, create a more pedestrian friendly and viable downtown area, and more effectively control the flow of traffic in an area with mixed transportation modes. The desire was to reconstruct the Federal Street corridor to improve its use by all forms of transportation modes including public transit, cars, trucks, pedestrians, and bicyclists. These improvements also created a local urban truck route to divert commercial traffic from the downtown area to Interstate 89.

The project included 0.41 miles (2,161 linear feet) of roadway beginning on Allen Street approximately 150 feet south of the intersection with Market Street and Catherine Street, and extended northerly along Market Street and Catherine Street through the Lake Street Intersection, and extended northerly along Federal Street for approximately 500 feet.

Reference: City of St. Albans, VT | Chip Sawyer, Director of Planning and Development | 802-524-1500 | c.sawyer@stalbansvt.com

Center Street Marketplace – City of Rutland, VT. In 2016, JTC was contracted by the City of Rutland, Vermont to provide Resident Engineering and engineering oversight for roadway, sidewalk, utility, and streetscape improvements for the construction of the Center Street Marketplace. The Project is being currently constructed and is the result of the rehabilitation of the area known as “Center Street Alley.”

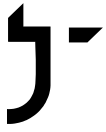
This project is funded by an earmark from Senator Patrick Leahy and grant is administered by the Rutland Redevelopment Authority. The project consists of excavation/fill, re-establishment of new subgrade, upgrade and relocation of utilities, new pavement, lighting, stormwater upgrades, benches, decorative gates and fences, fountain and other amenities.

JTC will perform onsite inspections; prepare daily reports; document site activities; track project quantities; verify materials; and provide contract management functions such as evaluation of subcontractors, contractor invoice review, maintenance of contract files, federal-aid DBE compliance, safety reviews, development of change orders, and project schedule reviews. In addition, JTC conducts local business outreach and support, as-built documentation, and project closeout.

Reference: City of Rutland, VT | Brennan Duffy, Executive Director | duffyrra@rutlandvtbusiness.com

VAST Trail and Bridge #68 Project. In 2017, Brian Fletcher provided construction inspection and project management duties for the replacement of Bridge #68 and critical trail repairs to the Lamoille Valley Rail Trail (LVRT) Project in Cambridge, Vermont for the Vermont Association of Snow Travelers, Inc. (VAST). The LVRT is a 93-mile state trail system which will eventually run east to west across the entire northern portion of the State from Burlington to St. Johnsbury, Vermont. The overall work will be completed in three phases (Phases I, II, and III). The current work was within Phase I and included a bridge replacement and multiple crossings of tributary streams.

In general, the project consisted of the following: construction of the trail surface and repair of existing trail washouts, modifications to the existing bridge seats, removal of the existing piers, removal of the existing plate girders, installation of the prefabricated thru trusses and approach rails, and other incidentals. The JTC construction inspection team provided all construction management, financial and contract oversight, onsite inspection, and materials testing. JTC also provided critical oversight of all erosion and sediment control measures and acted as the On-Site Coordinator (OSC) for the project.



Reference: Vermont Association of Snow Travelers | Ken Brown - 802-229-0005 x18 | ken@vtvast.org

Valley Trail Segment A Project – Dover, VT. In 2016, JTC signed a contract with the Town of Dover, Vermont to perform construction management and resident engineering duties for this VTrans MAB funded project. This project included sidewalk roadway, and streetscape improvements for the length of approximately 2,086 feet along Route 100 in West Dover, Vermont. This project included approximately 1,925 linear of concrete sidewalks, 1,300 linear feet granite curbing, 1,200 linear feet drainage piping, 12 catch basins, bituminous asphalt paving, sub-base preparation, guardrail reset and replacement, pavement markings, detectable warning surfaces, crosswalk enhancements, road signs, electrical conduit, and 21 streetlights. JTC performed all contract management functions such as evaluation of subcontractors, contractor invoice review, permitting compliance, maintenance of contract files, federal-aid DBE compliance, safety reviews, flagger monitoring, development of change orders, and schedule reviews. In addition, JTC conducted value engineering support, survey documentation, onsite inspections, and project closeout.

Reference: Town of Dover, VT | Ken Black, Economic Development Dir. | dovereds@dover.net

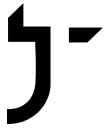
Mill Street Sidewalk Project – Town of East Barre, VT. In 2018, Patrick Murray of JTC provided Resident Inspection and Project Management oversight for the development of safe sidewalks for school children and local pedestrians in the Town of East Barre. The project included excavation/backfill, drainage controls, sidewalks, street curbing, street signs, pedestrian street markings, tree trimming, and erosion control measures.

During the project, JTC was on the regularly to properly monitor site conditions; maintain communications; prepare daily reports; document site activities; track project quantities; and verify materials, quantities, review site workmanship, and oversee site safety procedures. The JTC resident engineer regularly communicated with the Municipal Project Manager (MPM) and the Highway Superintendent.

A final punch list was developed following an inspection to confirm that the contractor had achieved substantial completion. The “punch list” was monitored and updated until the items were found to be complete. JTC reviewed all final calculations and all other pertinent contract documents to issue a Certificate of Completion. This certified to the Town that the project was constructed as designed, in conformance with the project specifications. Our Resident Engineer provided a red line as-built drawing upon completion of the project.

Reference: Town of East Barre, VT | Elaine Wang | 802-479-9331 | ewang@barretown.org

Historic Covered Bridge Rehab/Bridge Street Enhancement, Waitsfield, VT. In 2015, JTC was selected to provide Resident Engineering oversight for this VTrans LTF funded project representing the Town of Waitsfield, VT. Specifically, the project involved the partial removal of the existing timber covered bridge and replacement with a new prefabricated steel multimodal cantilevered structure allowing for both pedestrian and bicycle use simultaneously. Several damaged concrete abutments and a retaining wall structure were replaced and/or repaired with poured in-place reinforced concrete. New poured in-place reinforced concrete wingwalls were also added to eliminate erosive forces of the Mad River along exposed stream bank slopes. Approaches on Bridge Street were reconstructed with new concrete sidewalks, granite curbs, sub-base gravel, pavement, drainage inlets, ADA compliant access ramps, upgraded street marking, and signage. Upgraded underground stormwater collection piping was installed with a new outfall structure and permanent outfall protection measures.



JTC's scope of work included: oversight and documentation of contractor's work; providing daily reports; review contractor payment requests; verify quantities; attend all regularly scheduled site meetings; prepare contractor payment requests; issue a Certification of Completeness; inspect and approve all construction activities; monitor erosion control; review and verify traffic control; provide materials testing as needed for all concrete, soils, and steel work; and provide as-built plans.

Reference: Town of Waitsfield, VT | Town Administrator | (802) 496-2218 | townadmin@madriver.com

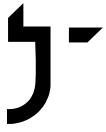
Multi-Modal Connection Project Browns Trace Road Sidewalk – Jericho, VT. In 2015, JTC was selected for the Construction Inspection Services of the Jericho Multimodal Connection Project. Construction included a concrete sidewalk, concrete catch basins, retaining wall, cedar 3-rail fence and other related items for a pedestrian improvement project. During the project, JTC was on the site daily, as needed, to properly monitor site conditions; maintain communications; prepare daily reports; document site activities; track project quantities; and verify materials, quantities, correct placement, workmanship, protection, site safety procedures, environmental controls, and other pertinent issues. Among the issues that the Construction Inspector was responsible for from day to day was assuring that the contractor and their sub-contractors were following all the construction contract requirements and that all permits were in place. Any deviations from these documents was immediately reported to the Jericho Road Foreman and/or other designated Town officials either verbally or in the daily reports that were issued. JTC inspected staging area(s), materials approvals and storage locations for compliance with applicable approval standards and monitored erosion control on an ongoing basis to assure that it complied with permits.

Reference: Town of Jericho, VT | Todd Odit, MPM - 802-899-9970 ext. 3 | todit@jerichovt.gov

Construction Management, Construction Inspection, City of Providence, RI. From 2013-2018, JTC was awarded five Construction Management/Construction Inspection contracts with construction costs totaling over \$15,000,000 with the City of Providence Public Works Department. Project Management responsibilities included; review of all daily reporting, reviewing all material testing reports to make certain all materials met specifications, review of Minority Business Enterprise (MBE/DBE) utilization, review of Fair Wage Law utilized by the City of Providence, biweekly meetings with contractor, utility companies, owner's representative, and DPW staff, review required First Source Labor Union utilization rates, meeting with contractors on-site to help solve critical changes in the field, reviewed all shop drawings for approval, reviewed all pay requests for approval, created budgets for construction and construction management to track city expenditures, pre-approved all change orders, and maintained all paperwork digitally on the Owner Representative's Project Share Site. JTC's project manager also assisted the City with reviewing project schedule and forecasting.

Contract 4 - Reconstruct 27 streets as part of the overall \$40M Roadway Improvement Program. Cost of construction for Contract 4 was \$3.5M and included full depth reclaim, street leveling, concrete base repair, mill and overlay, concrete sidewalks, over 300 concrete ADA ramps, reset and handle new & used curbing, drainage improvements, sewer lining and repairs, and the inclusion of new way finding sign placement. Responsibilities included inspection of all facets of construction, documentation, resident notification, pre-construction videos, photo logs, SWPPP reporting, quantity verification, scheduling material testing, and meeting representation.

Contracts 2, 4, 7, 9 and 11 and Downtown Circulator Project. JTC provided Project Management oversight and Resident Inspection for these contracts with a total construction value of more than \$12M. Responsibilities included; meeting representation at all meetings, coordination of construction between the contractor and other utility construction, review of all project documentation prior to



uploading to the Project Share Site, MBE/DBE review for compliance, First Source Apprentice review for compliance, pay requisition review and approval, shop drawing review and approval, budget projections, and the role of intermediary between contractor and City of Providence.

Scope of work and tasks involved in the projects mentioned above include: Inspection of construction related items including removal and reset of curb, the construction of over 300 ADA handicap ramps, concrete and asphalt sidewalks, concrete and asphalt driveway aprons, full depth reclaim of roadways, trim and fine grade of reclaimed roads, micro-milling of roadways, installation of traffic cameras, traffic loops, concrete base repair, HMA placement of leveling course, placement of binder course, and top course placement, drainage structure repairs and replacement, sewer line and lateral repairs, water main and lateral construction and repair, clearing and grubbing, loam and seeding, street way finding sign installation, speed bump and signage construction, and adjustment of all structures prior to paving.

Your company's work on our road paving program was thorough, professional and responsive. This year's road paving program was set on a very aggressive schedule and your firm met all the challenges, from addressing construction and design issues, to providing additional staff.

Natale D. Urso, PE, PTOE
Deputy City Engineer

Reference: City of Providence, RI | Craig Hochman, Deputy City Engineer | 401-467- 7950

MaineDOT - Multimodal Program: Highway Inspection, Construction Management and Support Services.

In 2010, JTC was awarded a \$1.75 Million 3-year GCA Contract for providing professional services for the Multimodal Program including highway inspections, rail inspections, Construction Management Support and Building Inspections for the Maine Department of Transportation. In 2015, JTC was awarded a \$6,150,000 GCA 3.5-year Term Contract for Construction Management and Resident Inspections for Highway and Multi-Modal Projects. In 2018, JTC renewed this contract for an additional 5 years and in 2019, provided 28 resident engineers on various projects throughout Maine. JTC has provided CM/Highway Inspection services on more than 300 projects since 2011. Responsibilities included:

Highway inspection: Design support, administration services and construction management of any highway segment or section, rail &/or building projects.

Bridge inspection: Construction inspection of highway bridge, suspension and complex bridge, railroad bridge and other transportation structures including use of nondestructive testing, existing condition load ratings, related support services and document development.

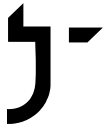
The field staff provided by JTC is professional, dependable and competent. The office staff of JTC has been responsive, accommodating and flexible. I am confident that you will be satisfied with the services provided by JTC.

LaRay L. Hamilton, P.E. - Project Manager

Reference: MaineDOT | LaRay L. Hamilton, P.E., Project Manager, Region 1 | laray.hamilton@maine.gov

Preble Street Sewer Separation Phase 1, City of Portland, ME. Preble Street Sewer Separation Phase 1 consisted of a sewer separation construction project located within Preble Street Extension and Marginal Way. It included storm sewer pipes, various size manholes, CSO chamber modifications, trench paving, and other related construction. The goal of this project was to reduce Combined Sewer Overflow (CSO) activity into Back Cove by installing separated stormwater drains in the project area. JTC's scope of services included: construction administration; full-time construction inspection (including days, nights, and weekends); and materials inspection and testing.

Reference: City of Portland, ME | Gerry Remsen, Project Engineer | gremsen@portlandmaine.gov



3. Key Personnel

The following are highlights of our key personnel for providing construction inspection services; complete one-page resumes are included in Section F, as outlined in the RFQ.

John Turner is the President of JTC and the point-of-contact for all contractual issues as well as our Quality Control Manager. John is also responsible for all operations and quality of services for JTC with more than 150 personnel in 9 offices throughout the northeast. He has more than 28 years of experience in the geotechnical and inspection fields. John has served as Principal-in-Charge for our VTrans term contracts for At-the-Ready Consultant Engineering and pre-cast/prestress concrete inspection and testing services. He also oversees our similar term contracts with CTDOT, MaineDOT, MassDOT, Massport Authority, and NHDOT.

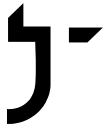
Richard Seymour, our VTrans Program Manager, has 17 years of engineering and construction experience. He currently lives in Wilmington, Vermont, and therefore has a connection to the local community. He not only works locally but recreates in the community including mountain biking and skiing. Rich has lived and worked in Vermont for over 5 years. He has worked as a project manager in many counties in Vermont including Bennington, Franklin, Lamoille, Windsor, Windham. Rich has significant experience in VTrans construction projects including roads, sidewalks, granite curbs, water main upgrades, paving, park and ride shelters, storm water conveyance piping, and box culverts. Rich has worked in many local communities in Vermont and throughout New England. Rich just finished a complex infrastructure project in St. Albans, VT which included: complete road reconstruction, paving, concrete sidewalks, utility upgrades, water and sewer improvements, and street improvements.

Robert Henson is a Senior Resident Engineer with over 29 years of relevant field experience. He performs QA/QC oversight, Owner's Representative services, environmental site assessments, project management and construction monitoring. Bob has many years of experience serving as a resident engineer overseeing utility, road reconstruction, and paving projects. He was the Resident Inspector for the \$40M City of Providence, RI, Roadway Improvement Program. Bob was in charge of inspection services on Contract 2 which included 29 streets with a construction budget of over \$3.5M and for Contract 11 which included 28 streets with a construction budget of just over \$3M. He also serves as a Level III Inspector for JTC's MaineDOT contract.

Brian Fletcher has 15 years of relevant inspection experience. He has an associate degree in Construction Management and Principles from Vermont Technical College in Randolph, VT. Brian has performed construction inspection services for road, utility, airport and sidewalk projects throughout Vermont. He recently completed a multi-use path for Vermont Association of Snow Travelers (VAST) in Jeffersonville, VT.

Jason Keenum is a Construction Inspector with more than 17 years of experience. He is responsible for quality control of building materials working with building inspectors, project managers, engineers and subcontractors on commercial job sites. Jason maintains expert working knowledge of blueprints, site plans and shop drawings for various building and road structures and is responsible for the creation and tracking of daily inspection reports throughout the duration of projects.

Steve Lanne, P.E. brings over 22 years of experience and a proven track record of providing clients practical solutions to complex geotechnical issues. He specializes in providing geotechnical design services for retaining walls, excavation support, deep foundations, underpinning, slope stabilization, and dewatering. He has designed and managed geotechnical projects including the Route 9 Railroad Bridge Reconstruction in Brattleboro, VT, involving the installation of multi-phase temporary excavation support for the construction of new railroad bridge abutments.



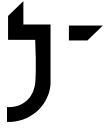
Robert LaRoche, P.E. is a Senior Construction Inspector with more than 20 years of field experience. He has provided construction administration, project management, roadway and civil site designs for public entities. He has many years of experience managing the design, environmental aspects, and contractual details of roadway construction and civil infrastructure. Robert has also managed the design, environmental aspects, and contractual details of roadway and landscape construction and civil infrastructure. He has provided resident engineering service for the Bay Street Improvements in Westerly, RI, as well as for several MaineDOT projects.

Charles Lawrence is a Senior Resident Engineer with more than 27 years of field experience. He performs QA/QC management, Owner's Representative services, project management and construction monitoring. He has served as a resident engineer overseeing utility, road reconstruction, and paving projects for VTrans and NHDOT. As a Senior Inspector, responsible for full-time onsite QA representation for providing Quality Assurance Management (QAM) services for the VTrans Design-Build project that included the replacement of I-91 Bridges 9N&S and 8N&S in Brattleboro, VT.

Patrick Murray has over 12 years of experience as a construction inspector and technician. He is proficient at providing laboratory testing to DOT specifications. He has provided range of services including the management of inspection staff, resident engineering, and construction inspection for VTrans projects ranging from \$350k to \$59M.

Michael Willis, P.E. has over 42 years of experience providing engineering services; he has run his own consulting firm for over 30 years. He has extensive experience working with government agencies, private corporations, A/E/C firms, and contractors. Mike's expertise includes civil, environmental, and geotechnical engineering; field exploration and laboratory services; construction management; and observation services. This broad base experience has enabled him to provide clients with competent technical advice and knowledgeable recommendations. Mike has provided geotechnical and civil designs; road evaluations; and slope stabilizations for many projects throughout Vermont.

Judson Zachar, P.E. has over 21 years of experience in various facets of geotechnical engineering, including on-site directing of subsurface drilling explorations, various soil/bedrock sampling and drilling procedures, instrumentation design & installation, monitoring and data reporting, subgrade inspection, settlement analyses, and laboratory testing. He also has extensive experience associated with the construction portion of projects ranging from building foundation calculations, evaluations, and design to earthwork operations and on-site QA/QC. Judson has widespread experience in various facets of construction engineering, including highway, bridge, buildings, dams, etc.



F. RESUMES

YEARS OF EXPERIENCE

6

YEARS WITH JTC

6

EDUCATION

A.A.S., Construction Management,
Vermont Technical College, 2015

CERTIFICATIONS

- ACI Concrete Field Testing Technician - Grade I (6/2/20)
- ACI Concrete Laboratory Testing Technician - Level I (1/17/22)
- ACI Aggregate Testing Technician - Level I (1/17/22)
- ACI Concrete Strength Testing Technician (1/17/22)
- ACI Concrete Transportation Construction Inspector in-Training (4/3/22)
- NETTCP Concrete Technician #1233 (3/8/21)
- NETTCP Soils & Aggregate Inspector #1615 (4/14/21)
- NETTCP Soils & Aggregate Lab Technician #305 (2/17/22)
- PCI Level I / II (5/2020)
- OSHA 10-hour
- Troxler Nuclear Density

Adam is a Field and Plant Inspector with 6 years of experience performing quality control for concrete, soils, fireproofing, and precast concrete plant inspections.

Representative Experience

University of Vermont Science, Technology, Engineering and Mathematics (STEM), Burlington, VT

The STEM Complex included two new buildings that replaced Cook Building and Angell Hall: a new integrated teaching and research laboratory building and a new faculty office and classroom facility. Onsite QC for owner. Daily tasks included rebar inspection, testing concrete, soil compaction, and fireproofing inspection.

Waterbury State Office Complex, Waterbury, VT

Field Technician involved with the QC testing for this major renovation project. Responsible for weekly soils material sampling including sieve and proctor analysis. The project involves the deconstruction of over twenty buildings in the Winooski River flood plain, restoration/ major renovation of the remaining historic buildings, construction of a new office building and a new central plant, dry flood proofing of all buildings to above the 500-year flood level, and construction of almost all new site infrastructure elements. The current total construction cost estimate is \$175M.

Vermont Air National Guard, South Burlington, VT

The Vermont Air National Guard embarked on a major \$38.6M repaving project of its Burlington base. It included the airfield's two taxiways, Delta and Foxtrot, as well as the existing hanger apron. Provided ongoing quality control for the general contractor including sampling of aggregates; sieve analysis; moisture density relationship; in-place density testing; concrete field testing; concrete compressive and flexural strength testing; and concrete plant inspection.

DN Tank Project, Berlin, VT

Technician in charge of field testing concrete as well as breaking cylinders for the project.

UVM FYRH Project, Burlington, VT

Onsite QC for owner. Daily tasks included rebar inspection, testing concrete, and soil compaction.

Milton Bridge I-89, Milton, VT

Daily tasks included testing concrete and soil compaction.

NHDOT Precast Plant Inspections

Two years of plant inspections to include the following; SIP Panels, NEXT beams, MSE Walls, voided slabs, box beams, and bulb-t girders.

Additional Project Experience

- Burlington International Airport Rental Car Quick Turn Around Facility
- City Hall Park, Burlington, VT
- Lamoyille Valley Rail Trail Phase 1C, Johnsbury, VT
- VTrans Brunswick BF 0271(23)
- VTrans Manchester STP 2970(1)
- VTrans Montpelier-Berlin STP BIKE(33)
- VTrans Poultney BF 0138(12)
- VTrans Rutland BIKE (61) & TA 17 (11)

YEARS OF EXPERIENCE

9

YEARS WITH JTC

1

EDUCATION

Winnisquam Regional High School,
1998

CERTIFICATIONS

- ACI Concrete Field Testing Technician – Grade I (5/10/21)
- ICC Soils Special Inspector
- NETTCP Concrete Technician #1118 (3/29/22)
- NETTCP HMA Plant Technician #634m (1/21/21)
- NETTCP HMA Paving Inspector #3466 (4/23/20)
- NETTCP Soils & Aggregate Inspector #1033 (3/10/22)
- Troxler Certified Nuclear Density

Travis has over 9 years of experience as a Materials Testing Technician, performing the following: soil density testing, concrete field testing, rebar inspection, masonry monitoring, construction site monitoring, soil sampling, grout specimen testing, mortar field testing, asphalt testing (plant/field), and pavement monitoring.

VTrans Experience

- Administration Materials (Lab)
- Bennington NH 2966(1)
- Bennington-Wilmington NH SURF (51)
- Bethel-Royalton STP 2964 (1)
- Brandon-Goshen ER STP 0162(22)
- Cabot-Danville FEGC F 028-3(26) C/2
- Danby BF 0130(3)
- Enosburgh-Richford STP 2969(1)
- Essex NH 2931(2)
- Essex STP 5400 (7)
- Essex-Underhill STP PS19(6)
- Ferrisburgh STP 2035(17)
- Guilford-Brattleboro IM SURF (60)
- Guilford-Brattleboro IM SURF (61)
- Jamaica-Winhall STP 2904(1)
- Manchester STP 2970(1)
- Manchester-Peru STP 2708(1)
- Middlebury-Starksboro STP 2953(1)
- Middlesex IM 089-2(41)
- Montpelier-Waterbury IM SURF(59)
- Morristown STP HES 030-2(28)
- Mt. Holly ER STP 0133(8)
- Pittsford STP 2968(1)
- Randolph CMG PARK (21) C/2
- Reading-Windsor STP FPAV(11)
- Rockingham IM091-1(66)
- Rockingham-Clarendon NH SURF (49)
- Rutland-Pittsford NH 2963(1)
- St. Albans City STP 2957(1)
- Waterbury - Stowe STP 2945(1)
- Waterbury FEGC 013-4(13)
- Waterbury-Stowe STP 2945(1)
- Wheelock-Sheffield STP FPAV(21)

Additional Project Experience

- Barnes Airport Taxiway Rehabilitation, MA
- Blair Road Bridge, Campton, NH
- Borough Road Bridge, Lyndeborough, NH
- Brayton Point Closed Loop Cooling Project, Somerset, MA
- Browns Lane Parking Lot Rehabilitation Phases I-V, Middletown, RI
- CSX Terminal Retaining Wall Construction, Worcester, MA
- Granite State Business Park Access Road/Bridge, Rochester, NH
- Memorial Bridge Replacement, Portsmouth, NH
- Route 3 Water Main Improvements, Bow, NH
- Whittier Bridge Replacement/I-95 Improvements, Amesbury/Newburyport, MA

YEARS OF EXPERIENCE

6

YEARS WITH JTC

2

EDUCATION

A.A.S., Civil Engineering, Vermont
Technical College, 2014

CERTIFICATIONS

- ACI Concrete Field Testing Technician Grade 1 (3/31/20)
- NETTCP HMA Paving Inspector #3680 (4/8/21)
- NETTCP Concrete Inspector #2282 (2/17/22)
- NETTCP Concrete Technician #1352 (4/18/24)
- PCI Level II (7/23)
- VT Traffic Control Tech
- VT Flagger Trainer
- Troxler/Hazmat
- OSHA 10

Percy is a Construction Inspector, with 6 years of experience in surveying, planning, design, inspection, construction, and research of engineering tasks.

Representative Experience

VTANG Taxiway Reconstruction Project

Provided on-site and laboratory QC for soils and concrete.

Liberty Utilities Cable Replacement, Hanover, NH

Provided inspection services. Performed trench inspection as well as compaction testing.

JTC Laboratory, South Burlington, VT

Assisted lab manager with wash/sieve analysis, proctors, and cylinder/beam breaks.

NHDOT Precast Plant Inspections

Inspected voided slabs and SIP Panels, Middlebury, VT

Additional Project Experience

- Burlington International Quick Turn Around Facility
- NH DOT 16301 Acworth
- University of Vermont STEM
- VTRANS Bethel BHF 0241(38)
- VTRANS Brandon NH 019-3(496)
- VTRANS Bristol BF 021-1(33)
- VTRANS Brunswick BF 0271(23)
- VTRANS Cabot-Danville FEGC F 028-3(26) C/2
- VTRANS Colchester IM 089-3(69)
- VTRANS East Montpelier NH CULV(54)
- VTRANS Highgate BO 1448(43)
- VTRANS Johnson BF 0248(4)
- VTRANS Montpelier BO 1446(36)
- VTRANS Montpelier-Berlin Bike Path STP BIKE(33)S
- VTRANS Montpelier-Berlin STP BIKE(33)
- VTRANS Newport City STP 134-3(22)
- VTRANS Orleans Village BF 0310(7)
- VTRANS Poultney BF 0138(12)
- VTRANS Putney Tapta14(1)
- VTRANS Rockingham IM091-1(66)
- VTRANS Rutland-Middlebury WCRS (23)
- VTRANS West Haven-Whitehall NY BO 1443(51)
- VTRANS Williston STP HES 5500(12)
- Chevy Dealership, White River Junction, VT

YEARS OF EXPERIENCE

16

YEARS WITH JTC

7

EDUCATION

- B.S., Architectural Engineering Technology, Vermont Technology College
- A.A.S. Architectural and Building Technology College

CERTIFICATIONS

- ACI Aggregate Testing Technician - Level 1 (1/17/22)
- ACI Concrete Field Testing Technician - Grade I (1/17/22)
- ACI Concrete Laboratory Testing Technician - Level 1 (1/17/22)
- ACI Concrete Strength Testing Technician (1/17/22)
- ACI Concrete Transportation Construction Inspector (4/3/22)
- ICC Reinforcing Concrete Inspector
- ICC Structural Masonry Special Inspector
- ICC Spray Fireproofing Inspector
- NETTCP Soils & Aggregate Inspector #672 (3/10/22)
- NETTCP HMA Paving Inspector #2834 (2/7/22)
- NETTCP Concrete Technician #1113 (2/14/22)
- PCI Level I and II (May 2020)
- OSHA 10-hour
- Q/C Training Course Certification of Nuclear Moisture/Density Equipment

Chris is the Branch Manager for our Vermont offices. He has extensive experience in the testing and inspection of a variety of materials associated with both buildings and highway projects. Chris has more than 16 years of experience in building and highway construction QA/QC, as well as in fabrication plant inspections. He has performed PCI fabrication plant inspection for more than 40 projects. Chris has provided QA inspection at precast/prestressed fabrication plants for VTrans, MaineDOT, NHDOT, MassDOT, and NYSDOT.

Representative Experience

VTrans

More than 20 projects including: Next beams, Stowe, VT; box beams, Middlebury, VT; Cross Street Bridge; bulb tee girders, Middlebury, VT; and box culvert/ wing walls, Warren, VT.

Vermont Air National Guard, South Burlington, VT

The Vermont Air National Guard embarked on a major \$38.6M repaving project of its Burlington base. Provided ongoing quality control for the general contractor including sampling of aggregates; sieve analysis; moisture density relationship; in-place density testing; concrete field testing; concrete compressive and flexural strength testing; and concrete plant inspection.

Chevrolet Dealership, White River Junction, VT

The \$4.8M new Chevrolet Dealership project entails the construction of a new automobile dealership (single story structure with a partial mezzanine) on Sykles Avenue in White River Junction, VT. JTC provided materials testing and geotechnical engineering services.

NHDOT Route 16 Bridge Replacement Ossipee, NH

JTC was selected to provide resident engineering oversight services for the federally-funded project Route 16/25 Ossipee Bridge Replacement and Reconstruction/Rehabilitation Contract# 14649 [Federal-Aid Project Number X-A000 (490)].

SawTooth Parking Garage, Claremont, NH

Soils inspection with lab work and placement; rebar inspections; concrete inspections field and plant.

Hanover Inn and Parking Garage Facility, Hanover, NY

Materials testing; soils inspection with lab work and placement; rebar inspection; concrete inspections field and plant.

Additional Project Experience

- VTrans District 4 Office Building
- VTrans Dover STP EH12(3)
- VTrans Woodstock SRIN(44) S Street Sidewalk
- Wells River Water System, Woodstock, VT
- NHDOT 10439 Roxbury/Sullivan
- NHDOT 14633D/H/I Salem-Manchester
- NHDOT 16147 Northfield-Tilton
- NHDOT 16238 Haverhill
- NHDOT 16279 Gilford
- NHDOT 1832G Unity District 2
- NHDOT 24497 Franconia
- NHDOT 40405 Concord-Pembroke

YEARS OF EXPERIENCE

13

YEARS WITH JTC

13

CERTIFICATIONS

- NETTCP HMA Plant Technician #746m (4/17/24)
- NETTCP HMA Paving Inspector #2389 (2/20/20)
- NETTCP Soils & Aggregate Inspector #674 (4/26/24)
- NETTCP Soils & Aggregate Lab Technician #221 (1/22/21)
- Troxler Nuclear Density Gauge Operator
- OSHA 10-hour

Nate is a Resident Inspector with 13 years of experience with DOT inspection. He started out as a Level 2 inspector on our MaineDOT contract and has rapidly worked his way up to a Chief Engineer Level. Nate also has significant experience with NHDOT projects and is currently working in Providence, RI as a Resident Engineer. He has also performed field and plant testing services including soils, concrete, asphalt and rebar for projects throughout New England.

Representative Experience

Maine Department of Transportation (MaineDOT)

\$1.75 Million Resident Engineer Oversight multi-year contract. Served as a RE for 10 Maine DOT projects since 2010.

MaineDOT, Kennebunk, ME

As Class II Inspector, responsible for inspection for a full reconstruction of 1 mile of Rt. 35. This project also included 1 mile of ¾" overlay, also on Rt. 35. Acted as lead paving inspector for project duration. Conducted inspection of the following items; underdrain installation, subgrade and gravel checks and quantities, paving inspection, and various other construction tasks.

MaineDOT, Scarborough, ME

As Class II Inspector, served as lead paving inspector for a 1/3 mile 1½" overlay of Rt. 1. Responsible for construction inspection of underdrain installation, placement of pavement, full construction for 600-ft of new road, subgrade and gravel checks for grading and quantities; signal foundations, and various other construction tasks.

MaineDOT, Windham, ME and Porter, ME

As Class II Inspector, served as lead paving inspector for a 2-mile ¾" overlay of Route 202 and a 4-mile 1¼" overlay of Route 25.

Construction Management, Resident Inspection, Materials Testing and Laboratory Services, RI

Brought into the City of Providence \$3.2M Roadway Improvement Program as a second Resident Inspector for Contract 4 as this 37 streets contract was accelerated from a 2-year to a 7-month project.

Town of Exeter, NH

The Town of Exeter recently adopted a testing program that shares many similarities to that of the City of Dover. This contract also includes Utility Trench Testing. With JTC having many years of working with Dover's testing program, the Town of Exeter awarded JTC the contract to provide testing services.

City of Dover, NH

JTC has been awarded the materials/compaction testing contract for the City of Dover each year since 2004. This contract includes Utility Trench Testing. Our flexibility in scheduling provides the City of Dover with same day results, which allows the city to complete their tasks on time without delays.

City of Portsmouth, NH

JTC has worked closely with the City of Portsmouth since 2005, providing both geotechnical and materials testing services for many road/utility improvement projects. JTC has renewed a multiyear material testing contract each term since 2005.

YEARS OF EXPERIENCE

15

YEARS WITH JTC

5

EDUCATION

A.S., Construction Management and Principles, Vermont Technical College, Randolph, VT

CERTIFICATIONS

- ACI Concrete Field Testing Technician – Grade I (3/28/22)
- NETTCP Concrete Inspector #1718 (1/24/22)
- NETTCP HMA Plant Technician #1077m (4/15/21)
- NETTCP Soils and Aggregate Inspector #567 (3/10/22)
- PCI Level 1 and 2
- Quality Control Personnel Certification Technician Level 2
- Nuclear Regulatory Commission
- Troxler Certified

Brian is a Construction Inspector and Resident Engineer with 15 years of experience. He is responsible for quality control of building materials working with building inspectors, project managers, engineers and subcontractors on commercial job sites. Brian maintains expert working knowledge of blueprints, site plans and shop drawings for various building and road structures and is responsible for the creation and tracking of daily inspection reports throughout the duration of projects.

Representative Experience

City Hall Park, Burlington, VT

Provide Chief Construction Inspector and Resident Engineer services for a \$4.5M complete park upgrade and reconstruction. Upgrades included a 25-nozzle dancing water fountain, onsite stormwater management, all new services, and utilities.

Waterbury State Office Complex, Waterbury, VT

Technician involved with the QC testing for this major renovation project. The project involves the deconstruction of over twenty buildings in the Winooski River flood plain, restoration/ major renovation of the remaining historic buildings, construction of a new office building and a new central plant, dry flood proofing of all buildings to above the 500-year flood level, and construction of almost all new site infrastructure elements. The current total construction cost estimate is \$175M.

Chevrolet Dealership, White River Junction, VT

The \$4.8M new Chevrolet Dealership project entails the construction of a new automobile dealership (single story structure with a partial mezzanine) on Sykles Avenue. JTC provided materials testing and geotechnical engineering.

City Center Project, Rutland, VT

JTC was contracted by the City of Rutland, Vermont to provide resident engineering and engineering oversight for roadway, sidewalk, utility, and streetscape improvements for construction.

New Hampshire DOT Inspections

Precast/prestressed concrete work for NHDOT Inspections which included SIP panels, box beams, bulb T girders, box culverts, MSE wall panels, and barrier.

Additional Project Experience

- Federal Street Connector, St. Albans, VT
- VAST Trail and Bridge #68
- VTrans Administration Materials (Lab)
- VTrans Bennington NH 2966(1)/STP 2973(1)/STP EH 08 (11)
- VTrans Bennington-Wilmington NH SURF (51)
- VTrans Cabot-Danville FEGC F 028-3(26) C/2
- VTrans Cavendish-Shrewsbury NH 2975 (1)
- VTrans Colchester CMG Park (47)
- VTrans Dover STP-EH12(3)
- VTrans Enosburgh-Richford STP 2969(1)
- VTrans Guilford-Brattleboro IM SURF (60)
- VTrans Jericho-Richmond STP 2931(1)
- VTrans Manchester STP 2970(1)
- VTrans Middlebury-Starksboro STP 2953(1)
- VTrans Montpelier STP 2950(1)
- VTrans Waterbury-Stowe STP 2945(1)

YEARS OF EXPERIENCE

29

YEARS WITH JTC

19

EDUCATION

B.S., Environmental Studies,
University System of New
Hampshire, 2002

CERTIFICATIONS

- Maine-certified LPA (5/31/22)
- NETTCP HMA Paving Inspector #2700 (3/31/22)
- OSHA 40-hour Hazardous Waste
- OSHA 10-hour
- Troxler Nuclear Density Gauge

Bob is a Senior Construction Inspector with over 29 years of relevant field experience. He performs QA/QC oversight, Owner's Representative services, environmental site assessments, project management and construction monitoring. Bob has many years of experience serving as a resident engineer overseeing utility, road reconstruction, and paving projects.

Representative Experience

MaineDOT Crack Sealing, Solon, Bingham, Moscow & Caratunk, ME

Resident Engineer for a 21.9-mile crack sealing project. project is located on Route 201 from Solon to the forks, ME. Consultant resident, prepared all project documentation (to include progress payments, submittals, 511 notification, certified payrolls and closeout documentation), supervised inspectors, held pre-construction and progress meetings.

MaineDOT Construction Management, Level 3 Inspection, West Paris-Turner and Moscow-Caratunk, ME

JTC Level III Inspector for the Maine Department of Transportation which included 25 miles of state highways with a construction budget of over 10 million dollars. Inspection of construction related items include, remove and resetting curb, asphalt sidewalks, asphalt driveway aprons, full depth reclaim of roadways, trim and fine grade of reclaimed roads, micro-milling of roadways, HMA placement of leveling course, placement of binder course, and top course placement, drainage structure repairs and replacement, sewer line and lateral repairs, water main and lateral construction and repair, clearing and grubbing, loam and seeding, street way finding sign installation, signage construction, and adjustment of all structures prior to paving.

MaineDOT Full Construction & Overlay, Caratunk/Moscow, ME

Chief Engineer for this full reconstruction of 5.5 miles on RT. 201 between Moscow and Caratunk, Maine. The project includes 15,000 lf of 6" underdrain, 40 culvert pipes ranging in size from 18" to 54", full depth reclamation, paving of both base and surface approximately 15,000 tons. Drainage (to include underdrain, RCP culverts and Catch basins), full depth reclamation, emulsion injection, roadway cuts and fills, guardrail removal and installation, rip rap installation, punchlist development, monitoring contractors' compliance with maintenance of traffic control, preparing project for winter shutdown.

Roadway Improvement Program, Providence, RI

JTC Resident Inspector for \$40M City of Providence Roadway Improvement Program. In charge of inspection services on Contract 2 which included 29 streets with a construction budget of over 3.5 million dollars. Responsible for Contract 11 which includes 28 streets with a construction budget of just over 3 million dollars. Inspection of construction related items include, remove and resetting curb, the construction of over 300 ADA handicap ramps, concrete and asphalt sidewalks, concrete and asphalt driveway aprons, full depth reclaim of roadways, trim and fine grade of reclaimed roads, micro-milling of roadways, installation of traffic cameras, traffic loops, concrete base repair, HMA placement of leveling course, placement of binder course, and top course placement, drainage structure repairs and replacement, sewer line and lateral repairs, water main and lateral construction and repair, clearing and grubbing, loam and seeding, street way finding sign installation, speed bump and signage construction, and adjustment of all structures prior to paving.

YEARS OF EXPERIENCE

8

YEARS WITH JTC

8

EDUCATION

Criminal Justice Studies, SUNY

CERTIFICATIONS

- ACI Concrete Field Testing Technician Grade I
- NETTCP Concrete Technician #1247 (4/13/21)
- NETTCP Soils & Aggregate Inspector #1571 (2/24/21)
- PCI Level I

Eric is a Field Technician performing quality control for concrete, HMA paving inspections, and soils testing for compaction.

Representative Experience

Waterbury State Office Complex, Waterbury, VT

Field Technician involved with the QC testing for this major renovation project. Responsible for weekly soils material sampling including sieve and proctor analysis. The project involves the deconstruction of over twenty buildings in the Winooski River flood plain, restoration/ major renovation of the remaining historic buildings, construction of a new office building and a new central plant, dry flood proofing of all buildings to above the 500-year flood level, and construction of almost all new site infrastructure elements. The current total construction cost estimate is \$175M.

Vermont Air National Guard, South Burlington, VT

The Vermont Air National Guard embarked on a major repaving project of its Burlington base. The \$38.6 million paving project officially broke ground in November of 2016. It included the airfield's two taxiways, Delta and Foxtrot, as well as the existing hanger apron. Provided ongoing quality control for the general contractor including sampling of aggregates; sieve analysis; moisture density relationship; in-place density testing; concrete field testing; concrete compressive and flexural strength testing; and concrete plant inspection.

University of Vermont Science, Technology, Engineering and Mathematics (STEM), Burlington, VT

The STEM Complex included two new buildings that replaced Cook Building and Angell Hall: a new integrated teaching and research laboratory building and a new faculty office and classroom facility. Onsite QC for owner. Daily tasks included rebar inspection, testing concrete, soil compaction, and fireproofing inspection.

Chevrolet Dealership, White River Junction, VT

The \$4.8M new Chevrolet Dealership project entails the construction of a new automobile dealership (single story structure with a partial mezzanine) on Sykles Avenue in White River Junction, VT. JTC provided materials testing and geotechnical engineering services.

City Center Project, Rutland, VT

JTC was contracted by the City of Rutland, Vermont to provide resident engineering and engineering oversight for roadway, sidewalk, utility, and streetscape improvements for the construction of the Center Street Marketplace.

Sharon, VT

Perform Quality Control for concrete; soils test for compaction; HMA paving inspections; second representative onsite.

VTrans Design/Build Bridge, Milton, VT

Concrete and soils testing.

YEARS OF EXPERIENCE

17

YEARS WITH JTC

6

EDUCATION

A.S., Literature, Franklin Pierce
College

CERTIFICATIONS

- ACI Concrete Field Testing Technician - Grade I (1/29/24)
- ACI Concrete Strength Testing Technician (1/17/22)
- NETTCP Soils and Aggregate Inspector #923 (2/4/21)
- NETTCP HMA Paving Inspector #2835 (3/10/22)
- NETTCP Concrete Technician #1087 (2/16/22)
- NETTCP Driven Pile Inspector #474 (3/20/19)
- Quality Control Personnel Certification Level I
- Nuclear Moisture/Density Equipment – Q/C Training Course
- PCI Level I and II (May 2022)
- OSHA 10-hour Construction Safety and Health

Jason is a Construction Inspector and Senior Materials Testing Technician with more than 17 years of experience. He is responsible for quality control of building materials working with building inspectors, project managers, engineers and subcontractors on commercial job sites. Jason maintains expert working knowledge of blueprints, site plans and shop drawings for various building and road structures and is responsible for the creation and tracking of daily inspection reports throughout the duration of projects.

Representative Experience

Union Street Sidewalk, Brandon, VT

Construction of a Portland cement concrete sidewalk, granite curbing, a modular block retaining wall, intersection modifications, pavement improvements with subbase construction, and drainage improvements. The project also includes other incidental items such as catch basins, pavement markings, and signage.

Vermont Air National Guard, South Burlington, VT

The Vermont Air National Guard embarked on a major repaving project of its Burlington base. The \$38.6 million paving project officially broke ground in November of 2016. It included the airfield's two taxiways, Delta and Foxtrot, as well as the existing hanger apron. Provided ongoing quality control for the general contractor including sampling of aggregates; sieve analysis; moisture density relationship; in-place density testing; concrete field testing; concrete compressive and flexural strength testing; and concrete plant inspection.

Waterbury State Office Complex, Waterbury, VT

Testing Agent involved with the restoration/major renovation of the remaining historic buildings, construction of a new office building and a new central plant, dry flood proofing of all buildings to above the 500-year flood level, and construction of almost all new site infrastructure elements. The construction cost estimate is \$175M.

Design-Build I-91 Bridges 8 North & South and 9 North & South, Brattleboro, VT

Responsible for Testing Quality Control for the I-91 Bridges to adhere to VAOT 2011 Standard Specifications, VAOT Material Sampling Manual, and the VAOT Construction Manual.

Burlington International Airport Roadway Reconstruction Projects, South Burlington, VT

Reconstruction of Cargo Apron Phase I and reconstruction of a portion of Taxiway B – FAA Quality Assurance Testing.

Kendall Retirement Facility Hanover, NH

Soils inspection with lab work and placement; rebar inspections; concrete inspections field; hours on site – continuously over more than 12 months.

Hanover Inn and Parking Garage Facility, Hanover, NY

Materials testing; soils inspection with lab work and placement; rebar inspection; concrete inspections field and plant; hours on site – continuously for more than 6 months.

YEARS OF EXPERIENCE

22

YEARS WITH JTC

1

EDUCATION

- M.S., Civil Engineering, University of Massachusetts Lowell, 2003
- B.S., Civil Engineering, Rensselaer Polytechnic Institute, 1996

LICENSES

Professional Engineer in:

- CT #26132
- MA #46275
- NY #098088

CERTIFICATIONS

- 30-hour OSHA Construction Safety
- Nuclear Safety Training and Gauge Use
- First Aid and CPR

PROFESSIONAL ORGANIZATIONS

- American Society of Civil Engineers

Steve brings over 22 years of experience and a proven track record of providing clients practical solutions to complex geotechnical issues. He specializes in providing geotechnical design services for retaining walls, excavation support, deep foundations, underpinning, slope stabilization, and dewatering.

Representative Experience

Route 9 Railroad Bridge Reconstruction – Brattleboro, VT

Designed and managed installation of multi-phase temporary excavation support for the construction of new railroad bridge abutments. The excavation support system consisted of sheetpile cofferdams and soldier piles and lagging walls, with tieback anchors and internal steel bracing providing lateral support. About 6,650 square feet of soldier pile wall and 1,500 square feet of sheetpile wall were installed. Excavation support systems were designed to retain up to 20 feet of loose sandy soil, 12 feet of bedrock, and an active railroad line.

New York State Route 17 Bridge Rehabilitation – Monroe, NY

Designed and installed temporary soil nail walls for the re-construction of two new highway bridge abutments. The temporary excavation support consisted of about 4,800 square feet of soil nailing with a 4-inch shotcrete facing. The wall was designed to carry surcharge loading of the existing abutment and an active street.

Moses Wheeler Bridge Replacement, Milford – Stratford, CT

Designed temporary debris enclosures/excavation support for the construction of new bridge piers. The system consisted of about 18,000 square feet of braced steel sheetpiles installed at four existing pier locations within the river. The sheetpiles extended up to about 47 feet deep and 10 feet below the mudline to allow for contained demolition of the existing bridge piers. Bracing consisted of a single level of bolted and welded steel wales and cross braces.

Logan Airport Terminal E Expansion – Boston, MA

Provided full-time field QA/QC for the installation of pre-cast concrete bearing piles. Piles were installed in partially pre-drilled holes through fill and marine clay. Piles achieved design capacity in end-bearing on glacial till or bedrock at depths of up to 170-feet. Select piles were instrumented and analyzed during the driving process to verify that design capacity would be achieved.

Perry Avenue Bridge Rehabilitation Project – Norwalk, CT

Responsible for the completion of a geotechnical investigation and evaluation for the construction of a new bridge over the Norwalk River. The project consisted of evaluating foundation alternatives, assessing demolition and construction considerations, and recommending earthwork parameters. Earthwork and design recommendations were developed for the abutment foundations, wing walls, and construction considerations, including temporary excavation support.

Morgan-Sullivan Bridge Replacement – Agawam, MA

Designed multi-phase temporary excavation support for the construction of new bridge abutments. The excavation support system consisted of about 900 square feet of cantilevered steel soldier piles, with timber lagging. Engineered, temporary soil slopes were incorporated into the design to reduce the required quantity of excavation support. Design services also included a temporary access roadway and debris shielding.

YEARS OF EXPERIENCE

20

YEARS WITH JTC

2

EDUCATION

- B.S., Contracting, Mississippi State University
- M.S., Business, Husson University

LICENSES

- Professional Civil Engineer in ME (#PE13411) and MD (#43133)
- Landscape Architect in ME (#LAR2625) and MD (#3480)

CERTIFICATIONS

- MaineDOT LPA
- Maine DEP in Maintenance and Inspection of Stormwater BMP's
- Maine DEP 3rd Party Inspector, Erosion Control and Sediment Control
- Maryland State Highway Administration: Erosion and Sediment Control Qualified Person
- Maryland State Highway Administration: Certified Temporary Traffic Control Manager
- Maryland Dept. of the Environment: Erosion and Sediment Control Qualified Person

AFFILIATIONS

- ASCE, Member
- Transportation Research Board
- National Corporate Highway Research Program- Panel using Vegetated Compost Blankets to Achieve Highway Runoff Volume and Pollutant Reduction

Robert is a Senior Construction Inspector with more than 20 years of field experience. He has provided construction administration, project management, roadway and civil site designs for public entities. He has many years of experience managing the design, environmental aspects, and contractual details of roadway construction and civil infrastructure. Robert has also managed the design, environmental aspects, and contractual details of roadway and landscape construction and civil infrastructure.

Representative Experience

MaineDOT Recent Projects

- Carthage/Dixfield Ultrathin Bonded Wearing Course
- Livermore Ultrathin Bonded Wearing Course
- Norridgewock/Farmington Crack Seal
- Scarborough/South Portland Pavement Milling HMA Overlay
- Jay Cyclical Pavement Restoration,
- Gilead Bethel Ultrathin Bonded Wearing Course

MaineDOT, Augusta, ME

As Supervisor Landscape Architecture and Environmental Specialist IV, lead teams in implementing a portfolio of public works projects, provided site designs for roadway plans and profiles, storm water facilities, erosion and sediment control, stream restoration, slope stabilization, and site grading, wrote and reviewed construction documents for permit review and bidding, responsible for delivery of program's projects, budgets and schedules, successfully developed and submitted project proposals and funding request for biannual Transportation Improvement Plan and biannual Maintenance Accountability Plan, solicited for design services, wrote RFPs, analyzed RFP responses and selected most qualified proposal, managed consultant and contractor contracts, rewrote and edited standard specifications, wrote position and policy papers, drafted responses to public inquiries for commissioner and other managers, represented department in media; newspaper interviews, television interviews, presented project designs to regulating agencies; Army Corp of Engineers, EPA, MDEP, MDOC, ME Fish and Wildlife, National Fish and Wildlife, SHPO.

Bay Street Improvements, Westerly, RI

A streetscape improvement project that consisted of installation of ornamental lighting, bollards and electrical conduit and wiring, resetting of historic granite curbing and setting new granite curbing, installation of new concrete sidewalks, regrading and paving of the street, and erosion and sediment control. As Resident Engineer, responsibilities included assuring the contractor was performing task in compliance with the specifications and plans, confirming grades, measuring pay items, preparation of daily construction logs, reviewed certified payrolls and pay requisitions, acting as liaison for the town with contractor, local historical and preservation commission, RIDOT and local police and fire.

YEARS OF EXPERIENCE

27

YEARS WITH JTC

2

EDUCATION

A.A.S., Civil Engineering Technology,
University of New Hampshire, 1991

LICENSES

- NHDES – Licensed Septic Installer
- NHDES – Licensed Septic Designer

CERTIFICATIONS

- ACI Concrete Field Testing Technician - Grade I (2/3/22)
- NETTCP Concrete Technician #1217 (3/13/20)
- NETTCP HMA Paving Inspector #706 (2/20/20)
- NETTCP Soils & Aggregate Inspector #324 (2/27/20)
- PTI Post Tensioning Inspector Level 1

Charles is a Senior Resident Engineer with more than 27 years of field experience. He performs QA/QC management, Owner's Representative services, project management and construction monitoring. He has served as a resident engineer overseeing utility, road reconstruction, and paving projects for VTrans and NHDOT.

Representative Experience

VTrans IM091-1(065) Design-Build, Brattleboro, VT

As a Senior Inspector, responsible for full-time onsite QA representation for providing Quality Assurance Management (QAM) services for this VTrans Design-Build project that included the replacement of I-91 Bridges 9N&S and 8N&S. Bridge 9 construction included drilled shafts foundations, highly detailed stone simulated columns, a post-tensioned segmental concrete bridge superstructure, and cast in place parapets. Bridge 8 construction included steel H-piles, concrete pile caps, and NEXT beams. The project also involved 2,700 LF of roadway construction and 1000 LF of MSE retaining wall construction. Duties included attending pre-construction meetings, plan review, documenting and reporting daily activity, developing plans and schedules for tracking material quantities and sampling points to conform to VTrans requirements, inspection and material testing, scheduling supplemental staff and QA testing consultants, attending project progress and QA/QC oversight meetings, performing final inspections for QA signoff, producing final records documents, and assisting with project closeout.

VTrans IM091-1(050) Design-Build, Brattleboro, VT

As the Quality Assurance Inspector for the first ever VTrans Design-Build project, responsible for quality assurance inspection/testing, monitoring Contractor's QC oversight, and project documentation. The project involved the replacement of two existing six-span steel superstructures along with rehabilitating two existing three-span steel superstructures.

Route 9 Bridge and Roadway Project, Chesterfield, NH and Brattleboro, VT

Assistant to the contract administrator for a bridge and roadway construction project located on Rte 9 over the Connecticut River. Project involved many aspects of construction, including pipe pile driving, ledge removal, massive cast-in-place concrete bridge substructures, structural steel placement, roadway construction, drainage, guardrail, curbing, & slope stabilization. Total contract amount was \$15.5 million.

NHDOT Bureau of Construction

As an assistant to the Project Engineer, responsible for the daily oversight of roadway and bridge construction and rehabilitation operations to assure the work performed was done in a safe manner to both the workers and to the traveling public, was done according to NHDOT specifications and plans, inspection and acceptance of materials and work incorporated into the project, layout, daily activity documentation, measurement and documentation of work performed, record keeping and as-built drawings, preparation of contractor payment documents, final project inspection and completion of project records to auditing. Also implemented and managed the QC/QA testing plans which are vital to quality assurance and calculation of payment on two major roadway resurfacing projects.

YEARS OF EXPERIENCE

24

YEARS WITH JTC

2

EDUCATION

- B.S., Civil Engineering (concentration: structural/geotechnical engineering), UMass Lowell, 1996
- B.A., Psychology, Brandeis University, 1987

LICENSES

- Professional Engineer in MA #52994 (6/30/20)
- MA Construction Supervisor CS-074309

SPECIALIZED SOFTWARE

- AutoCAD
- MathCAD
- STAAD
- Geotechnical/structural design programs

Tom has over 24 years of experience with construction engineering projects. He has designed and monitored installation of lateral earth support systems including coffer dams, cast-in-place concrete & segmental retaining walls, soldier piles and lagging, sheet piles, and soil nailing. Tom has also designed concrete, steel, and timber elements for commercial low-rise and residential structures.

Representative Experience

Glover Elementary School, Marblehead, MA

Reviewed specification and installation requirements for the AVB system. Monitored installation and submitted daily field reports.

315 University Avenue, Westwood, MA

Monitored excavation and backfill operations, collected soil samples for use as backfill and performed in situ density testing.

Proposed LNG Fueling Facility, Shrewsbury, MA

Prepared geotechnical proposal, managed subcontractors, performed geotechnical fieldwork, prepared geotechnical report including site development, canopy pile design, drainage and pavement design considerations.

Proposed MassDOT District 4 Headquarters, Arlington, MA

Prepared geotechnical proposal, managed subcontractors, performed geotechnical fieldwork, prepared geotechnical report including site development, foundation design, earthwork estimates, foundation waterproofing, pavement design.

Quirk Chevrolet Quincy, MA

Oversaw installation of coastal pile foundations and performed all material reinforcing inspections.

Bennington Street Apartments, Revere, MA

Designed structural steel support frame and timber elements for 3 story, 72-unit manufactured housing apartment complex.

Safety improvements for Bridge No. 544, 545, 546 over Route I-95, Providence, RI

Designed Structural Steel Bridge Underpinning for Pile Cap Demolition and Replacement.

Bridge #A11-23 Ashburnham, MA/Bridge #N-19-33 Northampton, MA

Performed Analysis and Prepared Bridge Rating Reports.

Bridge No. N-19-023, Bliss St. Northampton, MA

Designed dewatering and demolition plan for Bliss Street Bridge Over Mill River.

413 South Street Business Park, Hudson, MA

Designed foundation and steel superstructure for 2-story 15,000 s.f. office/storage building.

The Esplanade, Hudson, MA

Performed concrete, steel, and timber frame inspection for new 140 unit residential/retail condominium complex.

YEARS OF EXPERIENCE

12

YEARS WITH JTC

2

EDUCATION

A.S., Construction Practices and Management, Vermont Technical College, 2008

CERTIFICATIONS

- ACI Concrete Field Testing Technician - Grade I (3/28/22)
- NACE CIP Level 1 (Bridge Specialist)
- NETTCP HMA Paving Inspector #2593 (12/11/20)
- NETTCP Soils & Aggregates Inspector #1696 (6/29/21)
- OSHA 10-hour
- OSHA 40-hour HAZWOPER

Patrick has over 12 years of experience as a construction inspector and technician. He is proficient at providing laboratory testing to DOT specifications.

Representative Experience

VTrans Projects

Provided range of services including the management of inspection staff, resident engineering, and construction inspection for projects ranging from \$350k to \$59M. Duties as Construction Inspector include but are not limited to: Site Manager - daily report entries, quantity calculation, concrete testing, HMA testing.

Highway Improvement Projects

Managed multiple phases of state highway roadway improvements and scheduled all labor/equipment necessary for the project. Spent the off-season putting together take-off analysis and projection estimation. Hartland BHF BPNT (12) – A \$1.9M bridge reconstruction and rehabilitation project in the town of Hartland, VT. Provided chief inspection services and acted as the only State of Vermont representative on the project to review contractor submittals and track quantities. Conducted all inspection services for the reconstruction of a new concrete superstructure for a bridge in Hartland, and the blasting and painting of steel superstructures on two bridges in the town of Hartland, VT.

Hartford-Randolph, ER 0147 (21), VT

Provided quantity analysis for multiple project items to facilitate the rectification of contractor claims for a \$1M slope re-stabilization project along I-89 and state routes through the towns of Hartford, Royalton, and Randolph in Vermont.

I-89 Design Build, Milton, VT

Provided lead field inspection services for a \$23M design-build bridge project in Milton, VT. Duties included inspection of rebar placement, concrete field testing, steel H-pile installation, and survey layout for QA purposes, with a team of 2 additional inspectors working under me.

I-91 Design Build Project, Windsor, VT

Provided inspection services for a \$20.6M design-build bridge project in Windsor, VT. Duties included inspection of rebar placement, steel H-pile installation, concrete field testing, and survey layout for QA purposes.

Guilford-Rockingham IMG SIGN (44), VT

Provided Chief Construction Inspector and Resident Engineer services for a \$1.6M sign replacement project on Interstate 91 from the Town of Guilford, VT to Rockingham, VT. Lead a team of 4 additional inspectors to track contractor activity and conduct field testing of materials as required by contract specifications.

Chester-Springfield-Rockingham-Windsor STP 2952

Provided Chief Construction Inspector and Resident Engineer services for a \$9.5M Class 1 roadway improvement project on US Route 5 in the towns of Rockingham, Windsor, VT Route 11 in the town of Springfield, and VT Routes 11/103 in the town of Chester VT. Lead a team of 4 additional inspectors to provide Quality Assurance services for items ranging from; cold plane depth verification, HMA Paving inspection, traffic sign replacement, Railroad Crossing replacement, sidewalk reconstruction, and traffic control items.

YEARS OF EXPERIENCE

17

YEARS WITH JTC

3

EDUCATION

A.S., Civil and Engineering
Technology, Vermont Technical
College

CERTIFICATIONS

- NETTCP HMA Paving Inspector #4127 (4/11/23)
- OSHA 10-hour

Richard has 17 years of experience in the construction industry. He began his career as a Project Engineer working to maintain quality control and budgets. Richard moved on to serve as a Project Manager and Construction Administrator for various construction firms in NH and MA.

Project Experience

VTrans At-the-Ready Consultant Engineering Services for Municipalities

JTC was selected as one of 6 top firms to provide Construction Inspection services to Vermont Municipalities on locally managed projects for up to 5 years. Contract work includes inspection; record keeping; preparation of reports, participation in construction meetings; calculation and verification of quantities; review of invoices and pay requests; review of traffic control; development of as-built plans; inspection and approval of materials; review and recording of reports for materials and equipment inspection and testing; and, work related to construction inspection.

City Center Project, Rutland, VT

Provide Resident Engineering and engineering oversight for roadway, sidewalk, utility, and streetscape improvements for the construction of the Center Street Marketplace.

Federal Street Connector Phase 1 – City of St. Albans, VT

Provided all construction management, financial oversight, onsite inspections, and materials testing for the Federal Street Connector Project in St. Albans, Vermont.

St. Albans HPP 8000(17) / Phase 1

Cold planning and pavement of existing streets, new curbing and sidewalks, utility infrastructure improvements including drainage, sewer, and water main, streetscape enhancements including new street lighting, landscaping, signage and line striping.

VAST Trail and Bridge #68 Project, Cambridge, VT

JTC provided construction inspection and project management duties for the replacement of Bridge #68 and critical trail repairs to the Lamoille Valley Rail Trail (LVRT) Project in Cambridge, Vermont for the Vermont Association of Snow Travelers, Inc. (VAST).

Putney Safe Routes to School

Installation of sidewalk, cross walk & speed limit digital signage, and new finish gravels at Putney Central School entrance. Work in conjunction with the Town Manager and the Engineer to provide submittals per the project specifications, procure materials & equipment, take part in site visits & meetings, provide Vermont AOT certifications, and prepare project payment requisitions & schedules.

Woodstock ER 0241 (40)

Project Manager for the reconstruction of the southerly side slope and riverbed, stream diversion, removing and replacing guardrail, cold planning, paving, traffic control plan, and other highway related items along Route 12 in Woodstock, VT. Provide Vermont AOT certifications, procure materials, and provide schedule updates.

YEARS OF EXPERIENCE

28

YEARS WITH JTC

23

EDUCATION

B.S., Civil Engineering
(concentration: geotechnical),
Rensselaer Polytechnic Institute,
Troy, NY, 1991

CERTIFICATIONS

- MaineDOT LPA
- NETTCP QA Technologist #577
(4/13/23)
- Geotechnical Engineering Seminar
- Geosynthetics Seminar
- Drilling Managers/Techniques Seminar
- PSI Geotechnical Engineer Seminar
– Shallow Foundation
- PSI Geotechnical Engineer Seminar
– Deep Foundation
- Nuclear Moisture-Density Gauge Operator

John Turner is the President of John Turner Consulting. He serves as Principal-in-Charge of most projects. John is the point-of-contact for all contractual issues as well as our Quality Control Manager. He is also responsible for all operations and quality of services for JTC with more than 150 personnel in 9 offices throughout the northeast. John has more than 28 years of experience in the geotechnical and inspection fields.

Representative Experience

Vermont Agency of Transportation (VTrans)

Principal-in-Charge of the term contract with VTrans to provide pre-cast/prestress concrete inspection and testing services. Providing these services at fabrication plants throughout New England, New York, and Pennsylvania.

NHDOT On-Call Statewide Contract for Materials Testing

JTC was selected in 2003 to perform materials testing and inspection for the New Hampshire Department of Transportation. We have been successful in renewing our contract continuously since; most recently for 2018-2019 construction seasons. Our responsibilities include HMA plant, HMA field, concrete plant, concrete field, precast and pre-stressed plant, soils and aggregate, steel fabrication shop, structural steel field inspection, and laboratory of soils and concrete.

MaineDOT Highway Inspection

Served as the project manager for this term contract with the MaineDOT. This work has included the coordination of several levels of highway inspection personnel as well as materials testing services. The work has been throughout the state of Maine. Our contract was renewed in 2018 for \$5M for an additional 5 years.

CTDOT Construction Engineering & Inspection (Roads and Bridges)

Principal-in-Charge of prequalified term contract since 2015.

Massachusetts Port Authority Construction Inspection/Testing

Principal-in-Charge of a two-year contract with Massachusetts Port Authority as a consultant to provide construction inspection/testing services on an on-call, as-needed basis. Scope of work includes complete laboratory, field and plant inspection related to bituminous concrete, Portland cement concrete, soils, structural steel and welding, and paint.

Public Works Department, City of Providence, RI

Principal-in-Charge of two contracts with the Public Works Department. JTC is providing materials testing and laboratory services (HMA Plant and field inspection, soils laboratory analysis and field compaction and concrete testing). JTC is also providing construction management and resident inspection services.

Construction Inspection Services, Augusta, ME

JTC was selected to provide transportation construction inspection services for the City of Augusta. This is a federally-funded contract.

Route 16 Bridge Replacement & Reconstruction, Ossipee, NH

Principal-in-Charge of providing resident engineering oversight services for the federally-funded project Route 16/25 Ossipee Bridge Replacement and Reconstruction/Rehabilitation Contract# 14649 [Federal-Aid Project Number X-A000 (490)].

YEARS OF EXPERIENCE

42

YEARS WITH JTC

2

EDUCATION

B.S., Civil Engineering, Merrimack College, North Andover, MA, 1975

LICENSES

Professional Engineer in:

- VT #018.0004457
- MA #37685
- NY #058901

CERTIFICATIONS

- OSHA 40-hr Hazardous Waste and Confined Space
- Vermont Level I Firefighter and EMT

PROFESSIONAL ORGANIZATIONS

- ASCE-GI

Mike has over 42 years of experience providing engineering services; he has run his own consulting firm for over 30 years. He has extensive experience working with government agencies, private corporations, A/E/C firms, and contractors. Mike's expertise includes: civil, environmental, and geotechnical engineering; field exploration and laboratory services; construction management; and observation services. This broad base experience has enabled him to provide clients with competent technical advice and knowledgeable recommendations.

Representative Experience

Town of Hartland, VT

Two slope stabilizations, one bridge geotechnical and civil design, and one road evaluation.

Town of Fairlee, VT

One road evaluation and one slope stabilization.

Town of Barnard, VT

Two bridge geotechnical and civil designs.

Green Mountain Railroad, City of Rutland, VT,

Upgrade of GMRR spur to Amtrak standards (construction management, inspection, geotechnical consultation, & materials testing).

U.S. Dept. of Interior, Marsh-Billings National Historic Park, Woodstock, VT

Field assessment of carriage roads and remediation design.

U. S. Border Stations, VT

Civil feasibility studies & geotechnical investigations and analysis for four US-Canada Border Stations in Vermont.

Town of Woodstock, VT

Bridge replacement, slope stability project sidewalk projects, and stormwater design and permitting.

Castleton State College Stadium, Castleton, VT

Provided geotechnical consultation.

Landfill, Coventry, VT

Geotechnical engineering & consulting and materials testing.

Okemo Mountain Ski Area, Railroad Bridge and Jackson Gore Inn-Ludlow, VT

Geotechnical exploration supervision, engineering analysis, design & construction observation services, incorporating bearing capacities, rock anchor design, lateral earth pressures, external stability, VAOT submittals & concrete slab hydrostatic groundwater pressure dissipation.

Magic Mountain Ski Area- Londonderry, VT

Snowmaking pond design & dredging construction observation, environmental studies including Phase I ESA, wastewater infrastructure assessment, and state permitting.

Vermont Air National Guard

Geotechnical exploration, analysis and recommendation for new fire station additions.

YEARS OF EXPERIENCE

18

YEARS WITH JTC

1

EDUCATION

Construction Management
Certificate, Colorado State University

CERTIFICATIONS

- NETTCP HMA Paving Inspector
#2410 (3/21/24)
- Nuclear Gauge
- OSHA 10-hour
- OSHA 30-hour

Brandon is a Construction Inspector and Resident Engineer with extensive experience with highway projects. He has worked on several multimillion dollar DOT projects.

Representative Experience

NHDOT Route 16 project# X-A000(490), 14749, Ossipee, NH

Three red list bridge replacements and roadway reconstruction/rehab of 3.5 miles of roadway on NH Route 16 in Ossipee. Directly involved with bridge slide project which is the first of its kind to be constructed in the state of New Hampshire. Involvement with pile driving and assisting the NHDOT Geotech Engineer by taking blow counts and refusals; forming piers, shooting grades to check contractors elevations, testing for concrete pours of piles, piers as well as wing walls, back walls and bridge deck; Inspection and oversight of underdrain work, installation of drainage manholes including related pipe installations; various roadway reclaim and paving operations; excavation as well as maintenance of traffic. Responsible for daily inspections, documentation, contractor interface, tracking and calculating quantities, along with special assistance to the Contract Administrator as needed/when requested. \$16.9M.

Bridge Replacement, M-17-022, Route 28 (Broadway) over Route 213, Methuen, MA

This project replaced the 4 lane Route 28 (Broadway) bridge over Route 213. The new bridge is a two span steel superstructure on new concrete abutments with a 5 foot sidewalk with ADA compliant ramps. Two lanes of traffic in each direction were maintained during construction by using 2 portable bridges. Responsibilities include generating biweekly pay estimates for contractors' payments, all required samples of materials needed for lab testing as well as oversight of all police details and said police detail budget, all the landscape elements, all the temporary and permanent asphalt measurements /quantities and installation of asphalt binder and finished asphalt top course.

Bridge Replacement, Routes 97 & 113 over the Merrimack River, Groveland/Haverhill, MA

The "Bates Bridge" project consisted primarily of the replacement of the existing Bates Bridge with a new bridge located approximately 60 feet downstream from the existing bridge. This allowed the existing bridge to remain in service during construction. The new bridge is a movable span similar to the existing bridge. In addition to the new 775 foot long bridge, the project also includes reconstruction of the approach roadways to tie the new bridge alignment into the existing approach roadways. The approach work extends approximately 500 feet beyond the bridge in Haverhill, and 300 feet in Groveland. Responsibilities were oversight of the excavation; rebar installation and concrete placement and testing for the new bridge abutments as well as the new curbing and sidewalk installation with ADA compliant wheelchair ramps.

YEARS OF EXPERIENCE

21

YEARS OF EXPERIENCE

6

EDUCATION

B.S., Civil Engineering, Union College, Schenectady, NY, 1997

LICENSES

Professional Engineer in:

- CT #30349 (1/31/20)
- ME #13772 (12/31/19)
- MA #48177 (6/30/20)
- NH #14570 (8/31/20)
- NY #089605 (7/31/22)
- RI #PE.0011462 (6/30/20)
- VT #018.0110154 (7/31/20)

CERTIFICATIONS

- Nuclear Moisture/Density Meter Licensed Operator, 2000

PROFESSIONAL ORGANIZATIONS

- ASCE
- BSCE
- NSPE
- NCEES

SPECIALIZED SKILLS

- Geotechnical Investigations
- Building Foundation Calculations, Evaluation, & Design
- Settlement Analyses, Pre-Load/Surcharge Programs, Geotechnical Instrumentation and Monitoring
- Slope Stability Analyses
- Landfill/Low-Permeability Cover Systems
- Temporary Excavation Support
- MSE Walls/Reinforced Soil Slopes
- Geotechnical Lab Testing
- Construction Monitoring and QA/QC Testing

Leading JTC's geotechnical department, Judson has over 21 years of experience in various facets of geotechnical engineering, including on-site directing of subsurface drilling explorations, various soil/bedrock sampling and drilling procedures, instrumentation design & installation, monitoring and data reporting, subgrade inspection, settlement analyses, and laboratory testing. He also has extensive experience associated with the construction portion of projects ranging from building foundation calculations, evaluations, and design to earthwork operations and on-site QA/QC.

Representative Experience

Riverfront Park, Woodstock, VT

Completed an existing site conditions survey of Riverfront Park. The civil design challenge was to create a popular gathering area, while still preserving the natural layout feel of a secluded riverside hangout.

Newport Airport, Coventry, VT

Geotechnical subsurface exploration of runway & taxiway for design and construction.

Reconstruction/Reclamation of Peverly Hill Road, Portsmouth, NH

Provided oversight of geotechnical drilling, testing, and sampling; review of provided traffic counts, vehicle types, and/or estimated equivalent single-axle loads (ESALs); and recommendations for the design and construction of new asphalt - concrete pavement.

Pleasant Street Reconstruction, Portsmouth, NH

Provided flexible pavement recommendations based on our experience with similar pavement structures and with reference to the AASHTO Guide for Design of Pavement Structures. Provided recommendations for reuse of on-site soils and construction monitoring upon commencement of work.

Frost Road/Depot Brook Bridge and Culvert Replacement, Washington, MA

Performed a geotechnical investigation to obtain information on the subsurface conditions at the site and provided geotechnical engineering recommendations to support the design and construction of the bridge.

Massport Authority West Garage at Logan International Airport, Boston, MA

Field Engineer providing contractor support with the design analyses of the deep foundation proposal. Analysis included wave equation analyses using GRLWEAP, static pile analyses, monitoring pile driving operations using PDA and CAPWAP, and instrumenting static load tests. Performed vibration monitoring and installed wire piezo meters for pore water pressure monitoring.

CTDOT Metro North Expansion, New Haven, CT

Project Engineer responsible for the designed and installation of instrumentation monitoring systems to measure load, stress, deformation, and elevation on numerous applications i.e. drilled caissons, driven piles, support beams, bridge girders, railroad tracks, Tunnel Walls, etc. Performed Crosshole-Sonic Logging (CSL) to determine the integrity of drilled concrete shafts up to 8-feet in diameter and 100-plus feet deep.