Nydia Lugo, Technical Development Engineer
Agency of Transportation, Municipal Assistance Section
219 North Main Street
Barre, VT 05641

February 9, 2023

**RE: At-the-Ready Consulting Engineering Services for Municipalities: Construction Inspection Services**

Dear Ms. Lugo:

**GPI/Greenman-Pedersen, Inc.** is pleased to submit our Qualifications Statement to VTrans for providing **Construction Inspection Services** to municipalities choosing to procure those services via the Municipal Assistance Section At-the-Ready (ATR) selection process. GPI is a multi-disciplined firm with a proven record of providing high quality engineering and construction services for over 57 years. We maintain a permanent staff of 1,700+ professionals in over 60 locations and many of our staff specialize in construction engineering and inspection for the transportation industry.

GPI is currently providing a wide range of services to VTrans through our Construction Inspection term agreement and to municipalities via the ATR qualified roster for construction inspection services. GPI has been working closely with VTrans since 1996. Over the past 29+ years, we have grown with the agency and our services have expanded considerably.

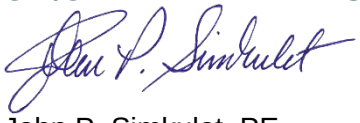
**GPI has been listed on the VTrans ATR qualified roster continuously since 2017. Over that period, we have been selected to provide construction inspection services on 16 municipal projects via the ATR process and another six municipal projects via the traditional RFP/RFQ process.**

This qualifications submittal includes general firm information, an organizational and availability chart, qualifications and experience of the firm/team, examples of relevant projects, key personnel, and their resumes and our proposed subconsultant. We have also demonstrated our experience working with municipalities and our clear understanding of the scope of work for locally managed projects. We are confident that GPI is the most qualified team to provide Construction Inspection Services and look forward to continuing to provide these services to municipalities through the ATR process. GPI can offer municipalities the following advantages:

- *Access to a large, diverse construction inspection staff with significant experience on Vermont projects;*
- *Native Vermonters to staff any municipal construction inspection project;*
- *Familiarity with regulatory agencies, public and private utilities, and local community groups;*
- *Experience with VTrans construction procedures, policies, manuals and requirements; and,*
- *Dedicated Construction Supervisors to oversee our staff and provide Quality Assurance.*

We are grateful for this opportunity to submit this Statement of Qualifications, and we hope it clearly reflects our firm's ability and enthusiasm to perform Construction Inspection Services for the municipalities seeking these services through the Municipal Assistance Section's At-the-Ready process.

With Gratitude,
**GPI/GREENMAN-PEDERSEN, INC.**



John P. Simkulet, PE
Executive Vice President | Branch Manager
80 Wolf Road, Suite 300, Albany, NY 12205
518.898.9544 | jsimkulet@gpinet.com

GPI

Engineering | Design | Planning | Construction Management


## Request for Qualifications

# Two-Tier (State-Local) Qualifications-Based Selection for At-The-Ready (ATR) Consultant Engineering Services for Municipalities | CONSTRUCTION INSPECTION




Submitted by:

**GPI/Greenman-Pedersen, Inc.**

80 Wolf Road, Suite 300, Albany NY 12205

VERMONT

February 9, 2023, 2:00 PM

GPI

RFQ> Two-Tier (State-Local) Qualifications-Based Selection for At-The-Ready (ATR) Consultant Engineering Services for Municipalities | CONSTRUCTION INSPECTION

Request for Qualifications

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SECTION 1

# General Information

# General Information

## Introduction to Consultant Firm

GPI/Greenman-Pedersen, Inc. is pleased to submit our Statement of Qualifications to the Vermont Agency of Transportation (VTrans) for At-The-Ready (ATR) Construction Inspection Services for municipally managed projects. Founded in 1966, GPI is a leading multi-discipline engineering consulting firm that specializes in the innovative design and construction of transportation infrastructure and building projects. GPI maintains a permanent staff of 1,700+ professionals in over 60 locations specializing in construction engineering and inspection for the transportation industry.

Currently, GPI is providing construction inspection services directly to Vermont communities and through the VTrans ATR qualified roster selection process. GPI also provides CI services to VTrans through the Construction Inspection term agreement and has been working closely with VTrans since 1996.

When VTrans awarded GPI the first of our twelve consecutive term agreements, our sole focus was providing construction inspectors. Over the past 26 years, we have grown with VTrans, and the services GPI has provided include administrative support, owner's representation on design-build projects, materials testing, assistance in the Finals Unit, and a business analyst for the CMS replacement project. During VTrans' procurement of construction inspection services for the current 3-year retainer contract, GPI received the highest score of all the firms' submitting proposals.

Over the years we have been fortunate enough to be called upon to assist VTrans with schedule analysis, claims analysis, utility coordination, specification review, coatings analysis, plant inspections, and emergency response services. As part of providing our services to VTrans, we have also been involved with many projects that required coordination with many municipalities in the State of Vermont. As a result, we can easily guide the municipalities through any construction project that is partially or fully funded by the federal and state government. Most, if not all work, will be performed by many of our staff members that have direct experience working in the State of Vermont.

GPI's Principal-In-Charge:

John Simkulet, P.E.
Executive Vice President / Branch Manager
80 Wolf Road, Suite 300, Albany, NY 12205
p- 518.898.9544 | e- jsimkulet@gpinet.com

GPI's Contract Manager in Charge:

David Hoyne, P.E.
Vice President/Director of Construction Services-VT
1445 Center Fayston Rd, N Fayston, VT 05660
p- 802.917.4310 | e- dhoyne@gpinet.com

GPI is proposing S.W. Cole as our materials testing subconsultant and have their information as part of our submission. In the event the work requires specialized skills beyond what GPI has available, we will solicit proposals from several companies and pre-select the most qualified. As part of the GPI solicitation process, GPI will invite DBE firms to provide a proposal and cost estimate in compliance with the Municipal Assistance Section *Local Projects Guidebook*. Approval from the municipality and VTrans will be obtained prior to hiring any subconsultant to assist us on a particular project.

GPI understands that VTrans would like to select up to six (6) consultants to perform services in each of the three categories stated in the RFQ, which the municipalities can utilize to hire a consultant for their projects. The intent is to develop a pre-qualified roster of consultants for each category, to simplify and accelerate the contracting process for municipalities, and to ensure the selected firms have the necessary skills and resources to perform the work. Once VTrans has established the qualified roster, the municipalities form a selection committee and choose the most qualified firm for their project. The community can then proceed to negotiate a scope and fee with the selected firm, and if the negotiations are successful, a contract may be executed.

GPI is very familiar with this process and, since 2017, has successfully procured 16 ATR contracts for construction inspection services for 14 cities and towns throughout the State of Vermont. Those projects have included slope stabilizations, sidewalks, shared-use paths, box culverts, bridges, stormwater collection systems, street reconstruction, intersection reconfigurations, roundabouts, traffic signal construction and a stormwater detention pond. Additionally, Mr. Patrick Travers, GPI Construction Inspection Supervisor, has been managing construction inspection services contracts on municipal projects coordinated through VTrans Municipal Assistance since 2008. To date, he has managed 36 such contracts.

# Subconsultants

S.W. COLE ENGINEERING, INC. Established in 1979 in Bangor, Maine, S. W. Cole Engineering, Inc. is a geotechnical engineering, geo-environmental consulting and construction materials testing firm serving private and public sector clientele across New England with offices in Maine, New Hampshire, Massachusetts, and Vermont. Their team of engineers, scientists and technicians provide services on more than 1,800 projects each year. Services include:

*GEOTECHNICAL ENGINEERING*

*Subsurface Investigations, Foundations, Earthwork, Pavement.* Their licensed engineers provide sensible geotechnical solutions for foundations, earthwork and pavements associated with building, site development and infrastructure projects in New England.

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

*CONSTRUCTION MATERIALS TESTING & SPECIAL INSPECTIONS*

*Soil, Concrete, Grout, Asphalt, Masonry, Steel, Fireproofing.* Our certified technicians provide field and laboratory testing for soil, concrete, masonry, steel, fireproofing and asphalt construction materials, including:

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

*GEO-ENVIRONMENTAL SERVICES*

*Geology, Hydrogeology, Water Resources, Blasting.* Our geologists provide services from pre-construction evaluation of a project to exploring ways to protect the land and groundwater after its development. Services include:

- *Phase I & Phase II Environmental Site Assessments*
- *Geothermal Ground Source Investigations*
- *Groundwater Monitoring and Soil Sampling*
- *Hydrogeology and Engineering Geology*
- *Underground Storage Tank Site Assessments*
- *Water Resource Evaluations*
- *Construction Blasting Assessments*
- *Subsurface Stormwater Soil Assessments*
- *Third-Party Inspection Services*
- *Environmental Compliance Monitoring*
- *Resistivity and Conductivity Testing*

# Organizational Chart

The organizational chart that follows offers a graphical representation of the team structure that will be in place for municipal contracts procured through the VTrans ATR process. The Executive Vice President overseeing GPI operations is Mr. John Simkulet, P.E. John will provide executive level oversight of the team, with direction to the Contract Manager to ensure the goals of the program are achieved and the work meets or exceeds our clients' expectations.

Mr. David Hoyne, P.E. will be the Contract Manager and point of contact for VTrans and the municipalities. David will be directly responsible for working with the municipalities to develop responses to RFP's and negotiating cost proposals for the work.

Mr. Travers and Mr. Pockette will be the Construction Inspection Supervisors and will review the work products from the inspectors to ensure the work meets quality expectations, the process is followed, and construction projects remain on schedule and budget.

# Availability Chart

| Name | Proposed Role | Availability |
|---|---|---|
| Ba, Elhadji | Tech III | 100% Available for projects |
| Barker, Chris | CE VI | 100% Available for projects |
| Bumps, Tucker | Tech V | 100% Available for projects |
| Cayer, Ben | CE II | 100% Available for projects |
| Chase, Tim | Tech V | 100% Available for projects |
| Chase, Tom | Tech VII | 100% Available for projects |
| Cook, Zach | Tech V | 100% Available for projects |
| Corbett, Travis | Tech V | 100% Available for projects |
| Cormany, Dave | Tech V | 100% Available for projects |
| Darling, Scott | Tech V | 100% Available for projects |
| DeChance, Anthony | CE III | 100% Available for projects |
| Dixon, Robert | Tech V | 100% Available for projects |
| Eilers, Chris | Tech III | 100% Available for projects |
| Fenoff, Derrick | Tech III | 100% Available for projects |
| Ferguson, Richard | Tech III | 100% Available for projects |
| Friend, Sara | Tech III | 100% Available for projects |
| Friend, Zachary | Tech III | 100% Available for projects |
| Gebbie, Kevin | CE III | 100% Available for projects |
| Gladding, Shane | Tech II | 100% Available for projects |
| Gray, Chris | Tech III | 100% Available for projects |
| Hansen, Jeff | Tech III | 100% Available for projects |
| Hoyne, David | Contract Manager | 15% Available for projects |
| Hudson, Matt | Tech III | 100% Available for projects |
| Hull, Daniel | CE III | 100% Available for projects |
| Kingsbury, Earl | CE III | 100% Available for projects |
| Kraus, Dave | Tech IV | 100% Available for projects |
| Lahar, Dylan | Tech III | 100% Available for projects |
| Lavigne, Anthony | Tech V | 100% Available for projects |
| Marshall, Jim | Tech IV | 100% Available for projects |
| Maxfield, Josh | CE IV | 100% Available for projects |
| McNeish, Robert | Tech IV | 100% Available for projects |
| Nefferdorf, Kimberly | CE III | 100% Available for projects |
| Oprendek, Bethany | Tech IV | 100% Available for projects |
| Oprendek, Leon | Tech III | 100% Available for projects |
| Plumb, Craig | Tech V | 100% Available for projects |
| Pockette, Tim | CI Supervisor | 15% Available for projects |
| Polli, Kerri | CE II | 100% Available for projects |
| Porter, Cindy | Tech IV | 100% Available for projects |
| Rossi, Bob | Tech III | 100% Available for projects |
| Rouelle, Jon | Tech IV | 100% Available for projects |
| Rowell, Jason | CE IV | 100% Available for projects |
| Sauer, Ellen | Tech IV | 100% Available for projects |
| Schumacher, Troy | Tech V | 100% Available for projects |
| Scognamillo, Neil | Tech III | 100% Available for projects |
| Shea, Ian | Tech III | 100% Available for projects |
| Shepherd, Scott | Tech III | 100% Available for projects |
| Suckert, Bob | CE IV | 100% Available for projects |
| Suekert, Madison | Tech II | 100% Available for projects |
| Thompson, Cory | Tech II | 100% Available for projects |
| Tittemore, Jeremy | Tech III | 100% Available for projects |
| Tittemore, Rick | Tech IV | 100% Available for projects |
| Travers, Patrick | CI Supervisor | 100% Available for projects |
| Warner, Jeff | Tech IV | 100% Available for projects |
| Willette, Andy | Tech V | 100% Available for projects |

SECTION 2

# Construction Inspection Services

# Construction Inspection Services

## Qualifications & Experience of Firm


GPI is an industry leader providing a full range of quality construction management, inspection, testing, and support services for our clients' infrastructure projects. Annually, we provide construction services on billions of dollars' worth of transportation projects. GPI provides these services through both project level and retainer contracts throughout New England and beyond.

For example, GPI is currently providing construction inspection and monitoring services for the Ben Franklin Bridge rehabilitation project in Philadelphia, which is the largest undertaking ever taken on by the Delaware River Port Authority, or construction management and inspection services for the multi-year, $1.9B restoration program for the George Washington Bridge in New York City, or program management and resident engineering services involving the replacement or rehabilitation of six bridges along a 7-mile stretch of the Belt Parkway in Brooklyn, NY.

These are but a few examples of high-profile projects where owners have trusted GPI with complex assignments. GPI has earned this trust by demonstrating the firm's capacity to take on large projects, an ability to provide technically proficient staff recognized as experts in their subjects, a customer centric philosophy of providing value, and an organizational commitment to integrity and professionalism. GPI has worked very hard to earn the trust of its clients and in return has been awarded contracts for some of the nation's most important construction projects.

GPI has also earned the privilege of serving several states with construction management and construction inspection services to meet their everyday operational needs. In addition to Vermont, GPI has provided services to 14 states including Maine, New Hampshire, Massachusetts, Connecticut, and New York. The vast majority of services provided through these contracts is for the typical bridge, paving, roadway, intersection, rail, safety, sidewalk and shared use path projects, where GPI employees are embedded with the owner's team, working together to deliver quality infrastructure. Regardless of the size or complexity of the project, GPI has the experience and capacity to deliver the construction management or inspection services required by VTrans and the communities in Vermont. Here are the types of contracts for which GPI has provided services in Vermont:

- *New alignment & roadway construction*
- *New/Replacement wetlands construction*
- *Roadway & bridge reconstruction*
- *Assisting Finals Unit*
- *Intersection reconstruction and new traffic signals*
- *Steel coatings / paint evaluations*
- *Railroad construction*
- *New / historical / covered bridge construction*
- *Multi-modal center construction*
- *Airport runway construction*
- *Airport light systems construction*
- *Bridge rehabilitation / repairs / painting / structural inspection*
- *Claims support*
- *Environmental Permit Compliance*

GPI has been working consistently in Vermont since 1996 and performing construction inspection services at the state and municipal level. Later in this proposal we have highlighted a few projects to demonstrate our success, and our success stems from our knowledge and experience of the process and the documents used throughout the process. For example, the projects GPI has delivered in Vermont were accomplished in accordance with the following documents:

- *Current VTrans Municipal Assistance Section (MAS) Local Projects Guidebook for Locally Managed Projects*
- *MAS Specifications for Contractor Services dated June 2014*
- *VTrans Construction Manual*
- *VTrans Route Survey Manual*
- *VTrans Quality Assurance Program*
- *VTrans Materials Sampling Manual*
- *VTrans Approved Products List*
- *VTrans List of Materials with Advance Certification*
- *VTrans Standard Specifications for Construction 2011 & 2018*
- *Manual of Uniform Traffic Control Devices*
- *VTrans General Special Provisions for 2011 or 2018 Standard Specifications*
- *Project Special Provisions*

Our employees and management team have an intimate working knowledge of these documents, having been directly and indirectly involved with their development, use or maintenance. During his tenure with VTrans, Mr. David Hoyne, P.E., was


responsible for the development of the Construction Manual and had years of experience as a member of the VTrans Specification Committee. Currently, he serves as the ACEC representative for the same. He also oversaw the maintenance of the Quality Assurance Program, Materials Sampling Manual, and the Approved Products List.

GPI also has a firm understanding of the Code of Federal Regulations (CFR), and the importance of providing services consistent with those regulations. Local transportation projects covered in the Agency's RFQ will be partially funded by the Federal Highway Administration (FHWA) through the VTrans Municipal Assistance Section (VTrans MAS). Hence, these projects must conform to all the procedures and regulations required by FHWA and VTrans. GPI conducts annual training for field staff to emphasize the process and requirements associated with State and Federal funding. The entire team must be aware and prepared to abide by the regulations.

VTrans MAS has developed the *Local Projects Guidebook* for locally managed projects, which serves as the roadmap for municipalities and their consultants to administer federal-aid projects. This document covers the development life cycle and includes workflows and checklists to help navigate the process. In addition, the MAS has created a one-stop "shared documents and templates" web page as a resource for stakeholders to administer a successful project. We are very familiar with this resource and its documents and have a complete understanding of the process to implement a municipal federal-aid project.

Once under contract for a project, GPI understands our role is to manage the construction phase as the owner's representative to ensure a quality project that is built in conformance with the contract requirements. Additionally, we will be responsible for ensuring the work complies with all federal funding requirements, we are maintaining communications with the Town and its citizens, we are being responsible stewards for the environment and above all, we are ensuring the project is safe for the workers, pedestrians, and the travelling public.

The process we have used successfully is to conduct a kick-off meeting with the Town and its representatives as the first step. The kick-off meeting is the cornerstone for the team going forward and is designed to establish clear roles and responsibilities for the Resident Engineer / Construction Inspection Services consultant, the Design Consultant, and the Municipal Project Manager. For the team to be efficient and responsive, the team must be on the same page with each member understanding their role and being prepared to fulfil their responsibilities.

We then schedule and facilitate the pre-construction conference; prepare and distribute meeting minutes; and make sure that all permits, clearances, and submittals such as the Traffic Control Plan, Erosion Prevention Sediment Control Plan, Progress Schedule, and Off-Site activities have been secured before the start of construction. Once construction commences, we use the Scope of Work as our guide, but understand the intent of enumerating the tasks is to be as inclusive as possible when defining the work and to avoid any misunderstanding. GPI's core business is managing construction contracts and we take a more holistic perspective on the assignment. In simple terms, the scope is to act as the owner's representative, administering the terms of the contract and performing work as necessary to meet the goals of the project. The contract defines processes to follow as do the Standard Specifications for Construction and the VTrans Construction Manual.

GPI has managed 16 municipal projects via Doc Express®, & APPIA®

GPI is now managing municipal projects digitally. Final project records are now delivered electronically in accordance with Town requirements, including a digital photo log. GPI uses Doc Express®, a cloud-based software management tool, which makes the entire project record completely transparent to the Owner, the Design Consultant, VTrans, the Contractor and any other entity requiring access. This tool, which we have now used for 16 municipal projects, is very familiar to contractors doing business with VTrans and is used for the submittal and archival of all project records, including construction and fabrication drawings, RFI's, Change Orders, Contract Documents, material certifications, payrolls, and any other supporting documentation. Team members are issued a password-protected log-in and given access only to the document folders required, based on their role with the project. With this tool, the Municipal Project Manager, FHWA and VTrans can remotely perform random reviews to ensure the process is followed and the documents are in order. GPI believes this fully transparent and electronic project folder is the best approach for meeting expectations.

Similarly, GPI will use the APPIA® application on our municipal projects to capture the daily work reports, pay items, quantities, equipment, personnel, and weather conditions. APPIA® will also be used to generate the bi-weekly estimates documenting the work eligible for payment to the Contractor. APPIA®, like Doc Express®, is a cloud-based application with access provided to team members for the purposes of transparency and oversight. We have now used APPIA® on 16 municipal projects coordinated through VTrans MAS and found it to be a much more efficient way to track construction progress than traditional manual methods. GPI will provide training to project stakeholders requiring access to Doc Express® or APPIA®.

During construction, the duties of the construction inspection team may include the following:

- Resident Engineer – each project's Resident Engineer will be responsible for making sure that the Contractor's operations are properly inspected by staff with the knowledge and experience to do so, that the work is recorded, and that the MPM/municipality is kept well informed. The Resident Engineer will be responsible for managing the day-to-day assignments of the inspection staff and ensuring that work is performed and documented in accordance with VTrans standards and procedures.
- Inspectors – They will be assigned to cover operations and make sure that work is being performed in accordance with the contract documents. Inspectors will report to the Resident Engineer.
- Office Engineers (OE) – For large projects, a designated OE is recommended. This would be someone other than the RE or inspector. An OE would report to the Resident Engineer. The OE will be responsible for a wide range of administrative and documentation tasks, all of which are outlined in the Field Assignment Matrix of the Construction Manual.

The makeup of the team will vary by project, and for some projects one person will fulfill all the above roles.

Once the project achieves completion and acceptance the reconciliation process begins. This work includes checking and verifying that construction contract quantities have been organized, calculated, and documented by a writer and initialed by reviewer; preparing record plans and reviewing and archiving the required documentation listed on the VTrans Project Close out Checklist. And finally, the Construction Inspection Consultant can issue the certificate of acceptance, confirming the project was built in substantial conformance to the contract with any needed revisions.

# Project Examples: Construction Inspection Services

GPI is currently providing extensive construction inspection services to VTrans through our Construction Management Services retainer contract and has been working continuously in Vermont with VTrans since 1996. We have also maintained a strong presence providing services at the municipal level. Over the past five years, GPI has provided resident engineering and construction inspection services for eighteen municipalities throughout the State of Vermont on twenty-two transportation-related, stormwater collection and slope stabilization projects.

## Construction Inspection Term Agreements – Vermont-Statewide


Since 1996, GPI has served successive term agreements providing construction engineering and inspection services on a variety of transportation projects throughout Vermont. GPI was awarded and rated #1 for the current term agreement.

These projects generally involved the paving of highways, major realignment or reconstruction of highways, new bridges, rehabilitation of bridges, (including traditional bridges, covered bridges, and historic bridges), accelerated bridge construction, intersection revisions including roundabouts, signs and pavement markings, railroad crossing reconstruction, bridge coatings and shared use path projects.

*Client: VTrans*
*Contact: Mr. Jeremy Reed PE, Construction Engineer, VTrans, 802.828.0101, jeremy.reed@vermont.gov*

## South Burlington STP MM 19(10) – Lindenwood Drive Stormwater Detention Pond

GPI is currently providing At-the Ready construction inspection and materials testing consulting services for this project focusing on the creation of a new stormwater detention basin at the end of Lindenwood Drive in South Burlington. Other project work involves building a new stormwater collection system along Lindenwood Drive to eliminate a chronic puddling situation, repaving of the street and tying-in an existing stormwater collection system on Brewer Parkway into the new stormwater basin. Construction costs, for this project coordinated through VTrans Municipal Assistance, will total about $325k and work will be completed in the spring of 2023.

*Client: City of South Burlington, VT, Department. of Public Works*
*Contact: Mr. Thomas DiPietro, Municipal Project Manager, 802.658.7961, tdipietro@sburl.com*

## City of Burlington – CY 2022 Streets Reconstruction Project

GPI is performing construction inspection and materials testing services on this two-year effort involving the reconstruction of seven streets within the City of Burlington. Work includes milling and repaving all the streets, installing traffic calming features, replacing outdated catch basins and stormwater collection piping, repairing sidewalks and curbs where needed, adding handicap ramps at street corners, restriping of pavement markings to add bicycle lanes, and delineations of new pedestrian crosswalks. This $2.7M project, financed entirely by City funding, started in the summer of 2022, and will be completed during the summer of 2023.

*Client: City of Burlington, VT, Department. of Public Works*
*Contact: Mr. Phillip Peterson, Public Works Engineer, 802.598.8356, ppeterson@burlingtonvt.gov*

## Bennington STP BIKE (26)S – Bennington Path, Rail-to Trail Project


GPI is currently performing At-the-Ready construction inspection and materials testing services for the Town of Bennington on this undertaking that will convert one-and-a half miles of an abandoned railroad line into a 10-ft wide shared use path, linking downtown Bennington with the Northside Drive area of town. The project involves removing existing rails and ties, choking the railbed ballast, refitting an old bridge to accommodate bicycles and pedestrians, and a reconfiguration of traffic signalization at the Kocher Drive intersection. A new railroad siding will also be built for Vermont Railway as part of the project. This $1.5M project will be completed in the spring of 2023 and is being coordinated through VTrans Municipal Assistance.

*Client: Town of Bennington, VT*
*Contact: Mr. Daniel Monks, Assistant Town Manager, 802.447.9708, dmonks@benningtonvt.org*

## Brownington STP MM 19(16) – Center Road Slopes Stabilization Project

GPI provided At-the-Ready construction inspection and materials testing consulting services for this undertaking that involved the restoration and stabilization of two failed roadway embankments along the Willoughby River. Project work included excavation and removal of the sloughed areas, placement of slope reinforcement grids, backfilling and armoring the slopes with Type II and Type IV Stone, spreading grubbing material, planting native trees and shrubs, and establishing turf on the slopes. Center Road was also reconstructed in the areas where the slopes were reconstructed, new guardrails were installed, and underdrain systems were placed to collect groundwater. This $1.1M project was coordinated through VTrans Municipal Assistance and completed in October 2022.

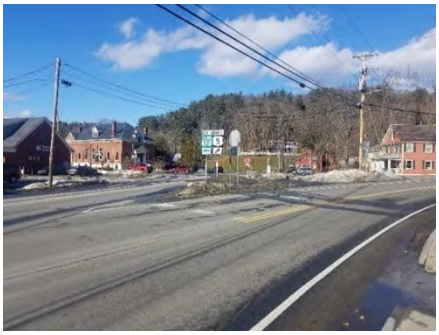
*Client: Town of Brownington, VT*
*Contact: Mr. Ken Robie, P.E., Municipal Project Manager, 802.370.6126, krobie@dubois-king.com*

## South Burlington STP SGNL (53) – Dorset Street Signal Improvements

GPI is currently providing At-the-Ready construction inspection and materials testing services for this project entailing the reconfiguration and/or replacement of nine traffic signal systems along Dorset Street, from Kennedy Drive to the northbound off ramp of Interstate 89 at Williston Road. Work will involve the placement of new signal foundations, new signal posts, mast arms and signal heads. Pedestrian crossing signalization will also be improved as part of the project. Construction on this project coordinated through VTrans Municipal Assistance, will start in the spring of 2023, and will take about six months to complete. Construction costs will total ~$2.7M.

*Client: City of South Burlington, VT, Department. of Public Works*
*Contact: Mr. Thomas DiPietro, Municipal Project Manager, 802.658.7961, tdipietro@sburl.com*

## Hartland STP BP 19(2) – Hartland Three Corners Improvement Project



GPI is serving as At-the-Ready construction inspection and materials testing consultant for this effort taking place where US Route 5, VT Route 12 and the Quechee Road intersect. The current outdated intersection configuration will be realigned into a four-way perpendicular setup, thus making it safer for motorists, cyclists, and pedestrians. Other work will involve placing several overhead utilities underground, new parking areas, new sidewalks, stormwater collection facilities, granite curbs and landscaping. Construction of this $1.2M project, coordinated through VTrans Municipal Assistance, will take place during 2023.

*Client: Town of Hartland, VT*
*Contact: Ms. Rita Seto., Municipal Project Manager, 802.281.2927, rseto@trorc.org*

## Duxbury STP MM 19(9) – Scrabble Hill Road Improvements

GPI is currently providing At-the-Ready construction inspection and materials testing services on this undertaking that involves reconstructing 1,100-feet of this Class III gravel road, above where it intersects with Camels Hump Road. The project will involve re-grading the roadway to eliminate washouts, stabilizing adjacent slopes on each side of the road, installing new drainage cross culverts, and placing measures to mitigate erosion issues that currently exist below the cross-culvert's locations. The project is being coordinated through VTrans Municipal Assistance. Construction will take place during 2023 and the estimated construction cost is about $800k.

*Client: Town of Duxbury, VT*
*Contact: Mr. Daniel Peck, P.E., Municipal Project Manager, 802.238.2280, DPeck@vhb.com*

## S. Burlington-Williston TAP TA 20(7) – Kimball & Marshall Ave Bridge Replacement

GPI performed At-the-Ready construction inspection, fabrication inspection and materials testing services on this project that involved the replacement of a temporary bridge over the Muddy Brook with a new 70-ft buried arch culvert structure and 375-ft of shared use path. Work included reconstruction of the roadway approaches and impacts to associated underground utilities. This project, coordinated through VTrans Municipal Assistance, was located on the boundary of the City of South Burlington and the Town of Williston, where the transition between Kimball Avenue and Marshall Avenue occurs. The construction cost was $2.9M and work was completed in June 2022.

*Client: City of South Burlington, VT, Department. of Public Works*
*Contact: Mr. Thomas DiPietro, Municipal Project Manager, 802.658.7961, tdipietro@sburl.com*

## Bridport STP MM 18(6) – Basin Harbor Road Culvert Improvements

GPI performed At-the-Ready construction inspection and materials testing services on this undertaking that involved the replacement of a failed metal cross culvert with a new 20-ft x 9-ft x 43-ft long precast concrete culvert, with wingwalls, where the Basin Harbor Road crosses over the West Branch of Dead Creek. Other project work included temporary diversion of the waterway, channel excavation, installation of new guard rails, paving, line striping, sedimentation control and environmental protection. Work also entailed maintaining a detour of traffic, as Basin Harbor Road was completely closed during construction. This $250k project, coordinated through VTrans Municipal Assistance, was completed in October 2021.

*Client: Town of Bridport, VT*
*Contact: Ms. Jenny Austin, P.E., Municipal Project Manager, 802.465.8396 x4813, jaustin@dubois-king.com*

## Waitsfield STP BP 13(4) & STP BP 16(5) – Village West Sidewalk

GPI provided At-the-Ready construction inspection and testing service for this effort that culminated in the final completion of a network of concrete sidewalks along Main Street in Historic Waitsfield Village. Project work included 730-ft of new sidewalk, granite curbing, new stormwater collection facilities, driveway aprons, new signage, and pavement markings. Three new pedestrian crosswalks were also placed across Main Street, with new curbed bump-outs to calm vehicular traffic traveling through the village. This $400k project, coordinated through VTrans Municipal Assistance, was completed in July 2021.

*Client: Town of Waitsfield*
*Contact: Ms. Annie Decker Dell'Isola, Town Administrator, 802.496.2218 x5, townadmin@gmavt.net*

## Stowe STP MM 20(4) & ER E-20-1(818) – Stagecoach Road Bridge

GPI fulfilled At-the-Ready construction inspection, fabrication inspection and materials testing responsibilities on this project that entailed replacement of existing cross culverts carrying Moss Glen Brook under Stagecoach Road with a new bridge. Project work included installation of integral abutments, placing precast concrete next beams and reconstruction of the highway approaches leading into the bridge. This $1.0M project, coordinated through VTrans Municipal Assistance, was completed in September 2021.

*Client: Town of Stowe, VT, Department. of Public Works*
*Contact: Mr. Harry Shepard, P.E., Public Works Director, 802.253.0353, hshepard@stowevt.gov*

## VT FLAP(1) – Derby 06(1) – North Derby Road Bridge Replacement

GPI provided At-the-Ready construction inspection and materials testing services for this project that involved replacing existing failed cross culverts with a new bridge, where the North Derby Road crosses over the John's River. The project's primary feature was the construction of a 54-ft long precast slab deck bridge, which now allows for better flow for the river. Other work involved channel excavation, stone fill for the new bridge, new guardrails, and the reconstruction of the highway approaches to the bridge. This $400k project was constructed during the summer of 2021 and was coordinated through VTrans Municipal Assistance.

*Client: Town of Derby, VT*
*Contact: Mr. Bob Kelley, Town Administrator, 802.766.2017, bob.kelley@derbyvt.org*

## Roxbury ER 0188(11) – Town Highway 1 Permanent Slope Stabilization

GPI provided construction inspection and materials testing services on this emergency repair that involved the restoration of a failed embankment along the Warren Mountain Road, above the Dog River. Project work included removing the unstable slope area, armoring the riverbank with heavy stone, and stabilizing the failed slope with a gravel filter, rip rap and vegetation. Once the slope work was completed, the 425-ft length of the Warren Mountain Road was reconstructed and repaved. The existing guard rail in this area was also replaced. This $370k project was coordinated through VT Municipal Assistance and completed in June of 2021.

*Client: Town of Roxbury, VT*
*Contact: Mr. David McShane., Municipal Project Manager, 802.777.5052, mcshanewlf@tds.net*

## Queen City Park Road Reconstruction

GPI fulfilled construction inspection and materials testing services for the City of Burlington on this project that involved the reconstruction of a 2,100-ft long section of Queen City Park Road. The project scope included full-depth subbase reclamation, stabilization, new pavement, adjusting utility cover elevations, repaving driveway approaches, installing new traffic signs, line striping, pavement markings and excavation of drainage ditches. As this street is in a busy industrial area, a comprehensive traffic control plan was implemented that involved handling the frequent delivery trucks that travel along the street. Provisions also had to be made for the safe passage of cyclists, as this street is a popular bike route for accessing nearby beaches and parks. Construction was completed in November 2020 at a cost of $350k. The project was financed entirely by City funds.

*Client: City of Burlington, VT Department of Public Works*
*Contact: Ms. Laura Wheelock, P.E., Senior Public Works Engineer, 802.338.2125, lwheelock@burlingtonvt.gov*

## Burlington STP SDWK(19) – Colchester Avenue Sidepath

GPI fulfilled construction inspection and materials testing services for the City of Burlington on this effort that created a shared-use 10-ft wide concrete sidepath along 2,100-ft of Colchester Avenue in the UVM campus area. Other project work included granite and concrete curbs, the creation of new pedestrian crosswalks, new traffic signage, pavement markings, catch basin rehabilitations, traffic signal base relocations, a new retaining wall and landscaping. This $480k project was coordinated through VTrans Municipal Assistance and completed in November 2020.

*Client: City of Burlington, VT Department of Public Works*
*Contact: Ms. Olivia Darisse, Public Works Engineer, 802.557.1414; odarisse@burlingtonvt.gov*

## Fair Haven STP BP16(9) – Mechanic Street Sidewalk

GPI performed At-the-Ready construction inspection and materials testing services for this project that involved the installation of a new sidewalk to connect Fair Haven Union High School into an existing network of village sidewalks. A total of 1,800-ft of concrete sidewalk was constructed along Mechanic Street with new crosswalks at intersecting streets. Additionally, a series of drain inlets were installed at various locations to collect stormwater. This effort was coordinated through VTrans Municipal Assistance. Construction was completed in July 2020 at a cost of $160k.

*Client: Town of Fair Haven, VT*
*Contact: Mr. Joseph Gunter, Town Manager, 802.265.4540 x5, fhmanager@comcast.net*

## West Rutland STP BP 15(1) – Five Sidewalk Segments

GPI served as construction inspection and materials testing consultant for the Town of West Rutland on this project that involved constructing approximately 3,400-LF of new pedestrian facilities, including four sidewalk segments and a bituminous concrete shared use recreation path. Other project facets included new vertical curbing, drainage improvements, improved signage, pavement markings and landscaping. The project was coordinated thorough VTrans Municipal Assistance and construction was completed in the summer of 2021. Total construction costs totaled about $685k.

*Client: Town of West Rutland, VT*
*Contact: Ms. Mary Ann Goulette, Town Manager, 802.438.2263; mgoulette@westrutlandvt.org*

## Moretown STP BP 13(8) – Village Sidewalk & Drainage Projects

GPI fulfilled At-the-Ready construction inspection and materials testing responsibilities for this undertaking that included replacing 1,700-ft of existing deteriorated sidewalk with new concrete walks, adding granite curbing and constructing major storm drainage improvements along the east side of Route 100B through the entirety of Moretown Village. Construction was completed in the autumn of 2020. This $800k project was coordinated through VTrans Municipal Assistance.

*Client: Town of Moretown, VT*
*Contact: Mr. John Hoogenboom, Municipal Project Manager, 802.882.8219; Hoogenboom.john@gmail.com*

## Hartford STP 0113(59) & STP EH09(15) – Two Roundabouts & Sidewalk

GPI provided At-the-Ready construction inspection services to the Town of Hartford, VT, to oversee the construction of two roundabouts and a sidewalk project. The project was located at the intersection of Sykes Mountain Avenue and US 5 and consisted of new underground water and stormwater utilities, new subbase, pavement, landscaping, signs, pavement markings, stormwater detention basins, curbing, and sidewalks. The project involved multiple phases, and a complex traffic management plan to reconstruct the busy intersection into a roundabout, while maintaining traffic and access to the commercial enterprises within the project limits. The second roundabout was located on Sykes Mountain Avenue, as was the half mile of new curb and sidewalk. This $5.5M project required two years for construction; year one was completed in 2020 and involved 90% of all waterline and stormwater work. This project was awarded through the VTrans MAS At-The-Ready process and was constructed in accordance with the VTrans Standard Specifications for Construction and all state and federal requirements. The project was completed in 2021.

*Client: Town of Hartford, VT*
*Contact: Ms. Hannah Tyler, Director of Public Works, 802.369.9269. htyler@hartford-vt.org*

## South Burlington STP 5200(17) – Market Street Reconstruction

GPI provided contract management and At-the-Ready construction inspection services for the City of South Burlington on this roadway that connects Dorset Street to Hinesburg Road. This two-year, $6.5M project, involved full-depth reconstruction of the street, building of stormwater ponds, undergrounding of utilities, drainage improvements and an extensive urban landscaping plan with specialized soils and tree cells. This project was coordinated through VTrans Municipal Assistance and completed in early-2020.

*Client: City of South Burlington, VT Department. of Public Works*
*Contact: Mr. Thomas DiPietro, Municipal Project Manager, 802.658.7961, tdipietro@sburl.com*

## Pittsford STP MM 18(13), TAP TA 19(10) – Salt Storage Shed

GPI provided construction inspection and materials testing services for this undertaking that involved the erection of a storage facility for road salt and sand for the Town of Pittsford. This project was coordinated through VTrans Municipal Assistance and was completed in the spring of 2021. Construction costs came to about $480k.

*Client: Town of Pittsford, VT*
*Contact: Mr. John Haverstock, Town Manager, 802.483.6500, manager@pittsfordvermont.com*

## Springfield TAP TA 14(6) – South Street Sidewalk Improvements

GPI served as the At-the-Ready construction inspection and materials testing consultant for this project that resulted in the replacement of sidewalk from Union Street to the entrance to Springfield High School. Other work included the installation of new granite curbing, drainage improvements, placement of new crosswalks, new signage, and other incidental items. This half-mile long undertaking was coordinated through VTrans Municipal Assistance and completed in the fall of 2019 at a cost of $400k.

*Client: Town of Springfield, VT*
*Contact: Mr. Jason Rasmussen, AICP, Director of Planning, MARC, 802.674.9201, jrasmussen@marcvt.org*

# Key Personnel

Should GPI be fortunate enough to be selected for the qualified roster of approved firms, Vermont municipalities will be retaining a firm known locally and regionally as a leader in the business of contract administration and construction inspection. As an employee-owned company, our people make the difference, and this is true for the men and woman working field assignments and the management team supporting them.

The Contract Manager for municipal projects will be Mr. David Hoyne, P.E., Vice President/Director of Construction Services-VT, and the former State Construction Engineer for VTrans. Mr. Hoyne retired from VTrans in 2017 after a 28-year career with the Agency. Mr. Hoyne also served as the Vice Chair of the AASHTO Committee on Construction from 2010 until his retirement, assuming a leadership role with the national committee charged with advancing the state of practice for the highway construction program.

During the last 11 years of his career as the State Construction Engineer, David was responsible for delivering the capital construction program for VTrans in conformance with all State and Federal requirements. The program was approximately $200 million annually and consisted of a mix of design-build-build, design-build and CMGC projects for all modes of transportation. David was directly responsible for the development of the procedures contained in the VTrans Construction and Regional Procedures Manuals and has mastered the requirements for compliance. In addition, he is considered an expert in the VTrans Standard Specification for Construction, the Code of Federal Regulations (CFR), partnering, claims avoidance, claims analysis and resolution, and root cause analysis. Mr. Hoyne will guide, coach, and advise the team throughout the life of our municipal ATR assignments, bringing tremendous value to those projects.

Our lead Construction Inspection Supervisor for At-the-Ready construction inspection contracts will be Mr. Patrick Travers, E.I.T. Mr. Travers has over forty years of professional experience in engineering, construction management and business management, with a strong focus in recent years in managing construction inspection contracts. Mr. Travers' career has included working for municipal agencies, earth moving contractors, general contractors in commercial construction, design-build firms, a multi-national engineering corporation, a state agency, a construction services firm, and GPI. He has also owned businesses in the construction, education, and agriculture arenas.

Mr. Travers commands a strong expertise in the area of public infrastructure projects and has fulfilled responsibilities as a construction inspector, resident engineer and project manager on many public sector efforts throughout Vermont, New York State and Connecticut; including those coordinated through the VTrans Municipal Assistance Section.

Regarding management experience for construction inspection contracts, Mr. Travers, since 2008, has managed thirty-five such contracts on local infrastructure projects coordinated through the VTrans Municipal Assistance Section. These projects have been located statewide and involved slope stabilizations, new sidewalks, recreation paths, intersection reconfigurations, stormwater collection systems, box culverts and bridge replacements. Clients have included twenty-six municipalities, Vermont State Parks, and the Vermont Association of Snow Travelers. Management of these contracts included assigning and supervising construction inspectors working at the construction sites.

Mr. Travers' personal strengths include strong verbal and written communication skills; diplomatic public relations capabilities; excellent public speaking and public presentation skills; and being able to effectively coordinate efforts among all those involved in a project, such as owners, design firms, contractors, and the general public. He is also adept at managing multiple construction projects at the same time.

Supporting Mr. Travers will be Mr. Tim Pockette, P.E., also fulfilling the role of Construction Inspection Supervisor. Mr. Pockette has 30+ years of experience in the construction industry. He spent 28 years with the Vermont Agency of Transportation in both the Construction Section and the Materials Section Central Lab. He began as an inspector in the Construction Section and then became a Resident Engineer in the field. After three years, Tim moved to the Central Lab taking the Bituminous Engineer position. As the Bituminous Engineer, Tim oversaw the Bituminous Concrete Lab and the Asphalt Lab, and he was responsible for implementation of the Superpave Bituminous Concrete Pavement and Performance Graded Binder Specifications. He served as the Bituminous Engineer for four years and then took the Assistant Finals Engineer position in the Finals Unit of the Construction Section. After three years there, Tim returned to the field as a Resident Engineer for 17 years. He served the final two years of his career with the Agency as the South Regional Construction Engineer.

Tim is currently GPI's Construction Inspection Manager for the VTrans Statewide Construction Management contracts and will retain that role. His efforts for the municipal projects will be to provide redundancy in construction inspection supervision, supervisory responsibilities with the staff and a line of communication to ensure that GPI brings the right resources to the projects and to help coordinate the work statewide.

| Name | Proposed Role | Years of Experience | Firm | Professional Engineer | ACI Concrete Field Testing Tech Grade I | ATSSA Traffic Control Tech | ATSSA Traffic Control Supervisor | NETTCP HMA Paving Inspector | NETTCP Concrete Inspector | NETTCP Drilled Shaft | NETTCP Driven Pile Inspector | NETTCP Soils & Aggregate | Nuclear Density Gauge/RSO Cert | OSHA 10-Hour | First Aid/CPR/AED | Other |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ba, Elhadji | Tech III | 7 | GPI | | | | | ● | | | | | ● | ● | | OSHA 30-Hour<br>Procore Associate Certificate. Scheduled for ACI Concrete Field-Testing Technician exam on 5/2/23 and NETTCP Concrete Inspector in April of 2023. |
| Barker, Chris | CE VI | 34 | GPI | VT | | | | ● | | ● | ● | | ● | ● | | Scheduled for ACI Concrete Field-Testing Technician exam on 5/2/23. |
| Bumps, Tucker | Tech V | 6 | GPI | | ● | | | ● | | | | | ● | ● | | Expired certifications in ATSSA Traffic Control Tech, NETTCP Concrete, Driven Pile, and Soils & Aggregate Inspector. |
| Cayer, Ben | CE II | 10 | GPI | | ● | | | ● | | | | | ● | ● | | |
| Chase, Tim | Tech V | 33 | GPI | | ● | | | ● | | | | | ● | ● | | |
| Chase, Tom | Tech VII | 38 | GPI | | ● | | | ● | | | | | ● | ● | | Scheduled for NETTCP Drilled Shaft Inspector certification course in April 2023. |
| Cook, Zach | Tech V | 15 | GPI | | ● | | | ● | | | | ● | ● | ● | | Scheduled for NETTCP Concrete Inspector certification course in April 2023. |
| Corbett, Travis | Tech V | 10 | GPI | | ● | | | ● | | | ● | | ● | ● | | Expired certifications in NETTCP Concrete and Soils & Aggregate Inspector. |
| Cormany, Dave | Tech V | 24 | GPI | | | | | | ● | | ● | | ● | ● | ● | Scheduled for NETTCP Concrete Inspector certification course in February 2023.<br>AASHTO T2 Sampling of Aggregates<br>Fall Hazard Training 1926.503 |
| Darling, Scott | Tech V | 24 | GPI | | | | | ● | ● | | | | ● | ● | | Scheduled for ACI Concrete Testing Technician certification in May of 2023.<br>HAZMAT Training. Expired certification in Driven Pile Inspector. |
| DeChance, Anthony | CE III | 6 | GPI | | ● | | | ● | ● | | ● | | ● | ● | | Hazwoper 40-Hour |
| Dixon, Robert | Tech V | 32 | GPI | | ● | ● | ● | ● | ● | | ● | | ● | ● | | NACE Level I & II<br>OSHA 30-Hour & Fall Protection Training<br>NICET Highway Construction Inspection Level III<br>SSPC Bridge Coatings Inspectior Program (BCI) Level I |
| Eilers, Chris | Tech III | 12 | GPI | | ● | | | ● | ● | | | | ● | ● | | |
| Fenoff, Derrick | Tech III | 3 | GPI | | ● | | | ● | | | | | ● | ● | | Scheduled for NETTCP Concrete Inspector certification course in April 2023. |
| Ferguson, Richard | Tech III | 8 | GPI | | ● | | | ● | ● | | ● | | ● | ● | | Scheduled for NETTCP Drilled Shaft Inspector certification course in April 2023. |
| Friend, Sara | Tech III | 8 | GPI | | | | | ● | | | | ● | ● | ● | | NETTCP HMA Plant Technician.<br>Scheduled for ACI Concrete Testing Technician certification in January of 2023. |
| Friend, Zachary | Tech III | 25 | GPI | | | | | ● | | | | ● | ● | ● | | Expired certification in NETTCP HMA Plant Technician.<br>Scheduled for ACI Concrete Testing Technician certification in January of 2023. |
| Gebbie, Kevin | CE III | 16 | GPI | | ● | | | ● | ● | ● | ● | | ● | ● | | |
| Gladding, Shane | Tech II | 4 | GPI | | | | | | | | | | ● | ● | | Scheduled for ACI Concrete Field-Testing Technician in May 2023 and NETTCP HMA Paving Inspector in March 2023. |
| Gray, Chris | Tech III | 15 | GPI | | | | | ● | | | | | ● | ● | | Scheduled for ACI Concrete Field-Testing Technician certification course in May 2023. |
| Hansen, Jeff | Tech III | 7 | GPI | | | | | ● | ● | ● | ● | | ● | ● | | OSHA 30-Hour. Expired Certifications in ACI Concrete Field-Testing Technician, ATSSA Traffic Control Coordinator, and NETTCP Driven Pile Inspector. |
| Hoyne, David | Contract Manager | 33 | GPI | VT | | | | | | | | | | ● | | |
| Hudson, Matt | Tech III | 38 | GPI | | | | | ● | | | | | ● | ● | | Scheduled for ACI Concrete Field-Testing Technician in May 2023. Expired Certification in ATSSA Traffic Control Coordinator. |
| Hull, Daniel | CE III | 32 | GPI | | ● | | | ● | ● | ● | ● | | ● | ● | | OSHA Hazard Recognition Training (EM 385-1-1), CPESC, NETTCP QA Technologist, OSHA 3o-Hour, OSHA Confined Space, PCI Concrete Bridge Inspector, and Roads & Rivers Training (VAOT/VANR) . Expired Certifications in ATSSA Traffic Control Technician and Supervisor and NETTCP Drilled Shaft Inspector. |
| Kingsbury, Earl | CE III | 40 | GPI | VT/NH | ● | | | ● | ● | | ● | ● | ● | ● | | NETTCP Soils & Aggregate Inspector cert expires in April 2023 and is not being recertified. |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kraus, Dave | Tech IV | 8 | GPI | | ● | | | ● | ● | ● | ● | | ● | ● | ● | OSHA 30-Hour.<br>Expired certifications in AGC/VT Registered Flagger and ATSSA Traffic Control Coordinator. |
| Lahar, Dylan | Tech III | 5 | GPI | | ● | | | ● | ● | | | | ● | ● | | |
| Lavigne, Anthony | Tech V | 43 | GPI | | | | | | | ● | | | ● | ● | | NHI Roadwise Safety Design<br>NHI Geosynthetic Engineering<br>NYSDEC Erosion & Sediment Control.<br>NETTCP Drilled Shaft Inspector certification expires 3/8/23. Expired certifications in ACI Concrete Field-Testing Technician, NETTCP Concrete, Driven Pile, HMA Paving, and Soils & Aggregate Inspector. |
| Marshall, Jim | Tech IV | 40 | GPI | | | | | ● | | | | | | | | Scheduled for ACI Concrete Field-Testing Technician on 1/31/23 (Waiting for results). Expired ATSSA Traffic Control Technician and Flagger certifications. |
| Maxfield, Josh | CE IV | 11 | GPI | VT | ● | | | ● | ● | ● | ● | ● | ● | ● | | NAUI Certified SCUBA Diver<br>PCI Tech Level I & II<br>Post Tensioning - Level I Multi-Strand Grout PT Inspector.<br>NETTCP Soils & Aggregate Inspector expires on 3/16/23 (No recertification schedule). Expired ATSSA Traffic Control Technician certifications. |
| McNeish, Robert | Tech IV | 22 | GPI | | ● | | | | ● | | | | | ● | | Certified Public Accountant<br>Certified Scrum Master |
| Nefferdorf, Kimberly | CE III | 7 | GPI | | ● | | | ● | ● | | ● | | ● | ● | | Engineer-In-Training |
| Oprendek, Bethany | Tech IV | 16 | GPI | | ● | | | ● | | ● | ● | ● | ● | ● | | NETTCP Soils & Aggregate Inspector expires on 4/3/23 (No recertification schedule). Expired ATSSA Traffic Control Technician, ACI Concrete Field-Testing Technician, NETTCP Concrete, and Soils & Aggregate Inspector. |
| Oprendek, Leon | Tech III | 11 | GPI | | | | | ● | | | | | ● | ● | | ACI Concrete Field-Testing Technician (Test taken on 1/13/23 - Waiting for results) |
| Plumb, Craig | Tech V | 32 | GPI | | ● | | | ● | ● | ● | ● | | ● | ● | | Expired NETTCP Soils & Aggregate Inspector |
| Pockette, Tim | CI Supervisor | 31 | GPI | VT | | | | ● | | | ● | | | | | NETTCP Driven Pile Inspector certification will be expiring on 4/6/23 (No recertification scheduled). Expired NETTCP HMA Paving Inspector certification. |
| Polli, Kerri | CE II | 5 | GPI | | ● | | | | | | | | ● | ● | | |
| Porter, Cindy | Tech IV | 24 | GPI | | | | | ● | | | | | ● | ● | | |
| Rossi, Bob | Tech III | 43 | GPI | | | | | | | | | | | | | |
| Rouelle, Jon | Tech IV | 37 | GPI | | | | | | | | | | | ● | | Took NETTCP HMA Paving Inspector course (Awaiting results of 2/2/23 exam). Scheduled for ACI Concrete Field-Testing Technician certification course in May 2023. |
| Rowell, Jason | CE IV | 21 | GPI | VT | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | | Permit Required Confined Spaces: Entrant-Attendant & Rescue for Supervisors. Scheduled for ACI Concrete Field-Testing Technician recertification course in May 2023. Expired ATSSA and NETTCP Soils & Aggregate Inspector certifications. |
| Sauer, Ellen | Admin Svcs Tech IV | 37 | GPI | | | | | | | | | | | | | |
| Schumacher, Troy | Tech V | 24 | GPI | | ● | | | | ● | | ● | | ● | ● | ● | American Segmental Bridge Institute Grouting Trained<br>AGC/VT Registered Flagger<br>FHWA Traffic Management Plan<br>OSHA 30-Hour<br>Post Tensioning Institute Bonded Level I Field Specialist. Scheduled for NETTCP HMA Paving Inspector certification in April 2023. |
| Scognamillo, Neil | Tech III | 18 | GPI | | | | | ● | | | | | ● | ● | ● | Scheduled for ACI Concrete Field-Testing Technician certification in May 2023. |
| Shea, Ian | Tech III | 13 | GPI | | ● | | | ● | | | | | ● | ● | | Scheduled for NETTCP Concrete Inspector certification in April 2023. |
| Shepherd, Scott | Tech III | 3 | GPI | | ● | | | ● | | | | | ● | ● | | |
| Suckert, Bob | CE IV | 34 | GPI | VT | | | | ● | | ● | ● | | ● | ● | | Scheduled for recertification for ACI Concrete Field-Testing Technician on 5/2/23. Expired Certifications in NETTCP Concrete and Soils & Aggregate Inspector. |
| Suekert, Madison | Tech II | 5 | GPI | | | | | | | | | | | ● | | Took NETTCP HMA Paving Inspector certification (Awaiting results of exam taken on 2/2/23). Scheduled for ACI Concrete Field-Testing Technician on 5/2/23. |
| Thompson, Cory | Tech II | 13 | GPI | | | | | ● | | | | | ● | ● | | Scheduled for ACI Concrete Field-Testing Technician on 5/2/23. |
| Tittemore, Jeremy | Tech III | 12 | GPI | | | | | | | | | | | ● | | Took NETTCP HMA Paving Inspector certification (Awaiting results of exam taken on 2/2/23). Scheduled for ACI Concrete Field-Testing Technician on 5/2/23. |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Tittemore, Rick | Tech IV | 18 | GPI | | | | | | | | | | ● | ● | | Expired Certifications in ACI Concrete Field-Testing Technician, NETTCP Concrete, HMA Paving, Drilled Shaft, and Driven Pile Inspector. |
| Travers, Pat | CI Supervisor | 45 | GPI | | | | | | | | | | | ● | | |
| Warner, Jeffrey | Tech IV | 14 | GPI | | ● | ● | ● | ● | ● | | | | ● | ● | | Expired Certifications in ATSSA Traffic Control Supervisor and Technician, NETTCP Concrete, HMA Paving, and Soils & Aggregate Inspector. |
| Willette, Andy | Tech V | 29 | GPI | | ● | | | ● | | | | | ● | ● | | Certified as a NETTCP HMA Plant Technician. Expired NETTCP QA Technologist certification. |
| Woolaver, Mark | CE IV | 34 | GPI | | ● | | | ● | | | | | ● | ● | | |

SECTION 3

# Resumes

# David J. Hoyne, P.E.

Vice President | Director of Construction Services, VT

**PROPOSED PROJECT ASSIGNMENT**: Contract Manager

**EDUCATION:**
*BS/1989/Civil Engineering*

**REGISTRATIONS/CERTIFICATIONS:**
*1994/Professional Engineer/VT*
*National Highway Institute Certified Instructor*

**YEARS WITH FIRM:** *5*
**TOTAL YEARS EXPERIENCE:** *30+*

**COURSE WORK:**
*FHWA- "Bridge Maintenance Training", 2000*
*FHWA- "Construction Program Management Workshop", 2005*
*FHWA-NHI-Course No. 13049 "Economical and Fatigue Resistant Steel Bridge Details, 1990*
*FHWA-NHI- Course No. 01-004 "Highways in the River Environment", 1993*
*FHWA-NHI- Course No. 132014, "Drilled Shafts", 2002*
*FHWA-NHI-Course "Alternative Contracting", 2005*
*FHWA-NHI-Course No. 134064, "Transportation Construction Quality Assurance", 2006*
*FHWA-NHI-Course No. 136065, "Risk Management", 2008*
*FHWA-NHI-Course 420018 "Instructor Development Course", 2017*
*Vermont Criminal Justice Training Council, ICS 100, 2012, ICS 200, 2013*
*AGC Fall Protection Training, 2005*
*OSHA 1926.21 Construction Hazard Awareness Training,*
*OSHA 1926.503 Fall Protection Certification and Inspection, 2012*
*ASCE Leadership Development for the Engineer, 2008*
*ASCE Project Management, 2009*
*NASBA Fraud Awareness for Managers, 2008*
*PCI, Prestressed Concrete Bridge Design Course, 1996*
*AASHTO, Management Development Training, 1997*

## Professional Profile

Mr. Hoyne is an expert with demonstrated leadership for all phases of program delivery in the field of transportation engineering. He is driven to inspire transportation professionals to seek excellence in their work, promote a culture of quality and the fundamental principles and canons of the engineering profession. Mr. Hoyne is a leader with a clear focus on safety.

Mr. Hoyne has built a successful career through the development of lasting and effective relationships with all stakeholders, maximizing employee potential by aligning employee strengths with opportunities, and leading organizational excellence through process improvement, performance management and documentation. Mr. Hoyne is an expert at constructability reviews, contract specifications, root cause analysis and developing solutions to move complicated challenges forward. Mr. Hoyne has extensive experience analyzing contractors' claims, delays and disputes, and has served as an expert witness and lead negotiator for many complex claims and mediation.

## Firm Experience

GPI. 09/17+. As Senior Construction Engineer, Mr. Hoyne will provide expertise with constructability reviews, claims analysis, client relationships for locally managed construction services contracts, a subject matter expert in construction engineering, asset management, process improvement, bridge management and inspection and will provide training and onboarding expertise for construction inspection staff.

FHWA Bridge Preservation Expert Task Group. Mr. Hoyne is supporting the BPETG as the principal author for the communication plan, facilitating the development performance metrics for the ETG and performing edits to the Bridge Washing, the Removal and Replacement of Bridge Coatings and Deck Patching guides.

West Virginia Department of Transportation. Mr. Hoyne is the principal investor leading the team with the renewal of the WVDOT-DOH Contract Award Manual. This project is capturing the current state workflows for the prequalification, PS&E, procurement, and award processes including documentation of state and federal requirements, changes to the construction manual and standard specifications.

Municipally Managed Projects. Mr. Hoyne is serving as the regional manager for resident engineer and construction inspection services for locally managed projects. Projects include the Market Street reconstruction project in South Burlington and the South Street sidewalk project in Springfield, VT.

National Highway Institute. Mr. Hoyne is a certified instructor teaching three courses for NHI including 130053 Bridge Inspection Refresher, 134067 Inspection of Bridge Rehabilitation Projects and 130091B Underwater Bridge Repair and Countermeasures. In addition, Mr. Hoyne is the subject matter expert for a new 6-hour web-based training for construction inspectors and is responsible for developing the technical content for the lessons.

Albany Port District Commission. Mr. Hoyne is providing expert guidance to the APDC as they navigate a notice of claim for a construction delay alleged by the contractor. *Client: Albany Port District Commission*

## Prior Firm Experience

AASHTO Subcommittee on Construction, Vice Chair, 2010-2017. Responsibilities included the development of the annual work plan, managing the committee functions in preparation and support of the annual meeting and providing support for the Chair and AASHTO committee liaison with committee matters.

GPI

Vermont Agency of Transportation (VTrans), Montpelier, VT. 2014-2017. Director, Construction & Materials Bureau. This position manages the Construction, Materials and Geotechnical Engineering Sections of VTrans. The Director has full responsibility for the leadership and management oversight of the Bureau, including budgetary, planning, policy, quality and performance. The Bureau consists of a staff of 118 engineers and technicians and manages an annual budget of $200M; it augments the workforce with consultant personal services contracts for construction inspection, plant inspectors and geotechnical engineering services.

Secured $3M in funding for the Construction Management System replacement project, a project that spans estimating, proposal preparation, procurement, contract management, Civil Rights and material management, which will replace the current client server versions with vendor hosted web-based applications.

Commissioned the new Materials Testing Laboratory with full AASHTO accreditation, deployed the Hamburg Wheel testing equipment, developed the recommendation to use polymer modified asphalt exclusively to counter premature wheel path erosion, and deployed a dashboard and reconciliation process to bring predictability and accountability to the material acceptance program.

Negotiated the global settlement for the $60M Brattleboro Bridge to Nature DB Contract, resolving multiple complex claims, differing site conditions, extreme weather events, liquidated damages and the revised no excuse completion date.

Represented VTrans as the SME in a false claim investigation and provided expert testimony as VTrans 30(b)(6) witness for a complex differing site conditions claim.

Oversaw development of a procedure's manual for Construction SME's.

Vermont Agency of Transportation (VTrans), Montpelier, VT. 2006-2017.State Construction Engineer. This position manages the Construction Section, which provides contract management services for the VTrans capital improvement program of highway, bridge and rail construction contracts. The Section consists of a staff of 75 engineers and technicians and manages an annual budget of $180M. Projects must be delivered in accordance with the contract provisions, the Code of Federal Regulation, State and Federal laws.

- Managed over 750 highway, bridge and rail construction contracts valued at $1.75 billion.
- Managed over 250 contractors claims to include complex contract terminations, global settlements, compensable delays and false claims.
- Oversaw the renewal of the Construction Manual, and the creation of the Regional Process Manual.
- Delivered the American Reinvestment and Recovery Act (ARRA) projects in accordance with Federal Audit requirements from 2009 through 2011.
- Provided staff and expert support to the Tropical Storm Irene Recovery effort in 2011.
- Served as Special Liaison between Unified Command and the Incident Commanders during Tropical Storm Irene Recovery.
- Served as Logistics Officer for the Statewide Irene Recovery Officer and its assignment to produce the Irene Recovery Report for the Governor in 2012.
- Served as Project Sponsor for VTrans' first Business Process Management Solution (BPMS). This pilot project demonstrated the potential of BPM and provided a fully automated process solution to the Finals Process (final contract reconciliation) using a cloud-based application.
- Serves as VTrans expert witness in court proceeding for construction claims, have extensive experience with depositions, testified before administrative review boards, managed complex HR issues involving termination cases and served as the business point of contact for police investigations of theft and fraud.

Vermont Agency of Transportation (VTrans), Montpelier, VT. 2004-2005. Southwest Regional Construction Engineer. This is a full management position within the Construction Section responsible for the oversight of the Southwest Region.

- Supervision of the engineering, inspection, documentation, and administration of the contracts assigned to the Southwest Region.
- Oversaw construction of the Western Segment of the Bennington Bypass.
- Acted as the Construction SME for the rewrite of the Standard Specification for Highway Construction book.

Vermont Agency of Transportation (VTrans), Montpelier, VT. 2000-2003. Bridge Management Engineer. This is a full management position responsible for the oversight of the Bridge Management System, the Bridge Inspection Program, and the Steel Fabrication Inspection Program.

- Manage and guide the application of the Bridge Management System (PONTIS) to Vermont's network of bridges, including the Interstate, State and Town Highway Bridge Programs.
- Provide full oversight of the Bridge Inspection Program (NBIS) in accordance with Federal standards for inspections and reporting of data.
- Provide full oversight of the Overload permit review process for weight and height restrictions on Vermont's bridges.
- Provide full oversight of the Steel Fabrication Inspection program, including all structural steel, bearing, bridge railing and welding procedures for Agency projects.

Provide full oversight for municipal and private utility projects when bridges are involved.

Provide technical assistance to municipalities and Operations forces looking to preserve or rehabilitate structures.

Serves as Project Manager for emergency repair projects.

Prepares reports and makes presentations to Executive Staff, Legislative Committees and other public groups regarding the status of the Bridge Program, new initiatives and bridge condition forecasts.

Vermont Agency of Transportation, Montpelier, VT. 1996-1999. Pavement Management Program Engineer. This is a Project Manager level position responsible for the development of the annual Class 1 Town Highway, State System and Interstate paving programs.

Manage and guide the application of the Pavement Management System (dTIMS) to Vermont's network of highways.

Develop a Preventive Maintenance program that includes securing Federal participation, project selection, and material & specification requirements.

Manage the Paving Programs needs for the STIP and TIP process and program new projects.

Administrate the Paving budget by determining program categories to meet Program goals, monitor expenditure profiles, obligational authority, and prepare necessary reports and documentation.

Supervise Pavement Condition Survey team and the Database Administrator positions.

Develop the final project specific recommendation; scope of work and cost.

Oversee project testing using the Falling Weight Deflectometer, Mays Meter and coring equipment.

Manage the Level and Seal program including budgeting, project selection, recording production rates and costs for use with the Pavement Management System.

Develop the Pavement Management Annual Report; assist with policy development and review, including the Strategic Overview for the program.

Vermont Agency of Transportation, Montpelier, VT. 1989-1996. Bridge Designer. A full production engineer responsible for managing multiple projects from inception through to construction.

All phases of design and preparation of contract plans for complicated bridge projects.

Conduct Public Informational Meetings for bridge projects.

Conduct preliminary site visits to establish scope of work, potential alignments and environmental constraints.

Designed the first two span prestressed voided slab continuous for live load at VTrans.

Designed the first two span continuous haunched composite plate girder using LFD at VTrans.

Designed and load rated several historic steel truss bridges for use on highways and shared use paths.

Designed and load rated covered bridges for continued highway use.

Deployed seismic bearings to distribute loadings to existing foundations from new continuous superstructure.

Served as Chair of the Structures Design Manual and oversaw a complete rewrite of the document.

## Publications

- New England Transportation Consortium (NETC) Committee member on Thin Pavement Sections using Geogrids and Drainage GeoComposites
- National Cooperative Highway Research Program (NCHRP) Topic 47-09 panel member for Practices for Establishing Contract Completion Dates for Highway Projects.
- NCHRP Task 386 panel member for the Update of the AASHTO 2008 Guide Specifications for Highway Construction.
- NCRHP 20-68A- US Domestic Scan Program scan team member for Scan 15-01 Developing and Maintaining Construction Inspection Competence.
- NCHRP 10-99 D02 panel member for the Guidebook for Implementing Constructability across the Entire Project Development Process: NEPA to Final Design.

## Volunteer

- Member of the Engineering Advisory Committee for Vermont Technical College. 2013-Present
- Norwich University; member of the Engineering Advisory Board, Board of Fellows. 2000-2008
- Capital Soccer Club; member of the Board of Directors. 2008-2014
- Town of Fayston; past member of the Town Planning Commission. 2000-2004
- Town of Fayston; past town representative to the Central Vermont Regional Planning Commission.1995-1999
- Fayston Elementary School; past Co-Chair of Winter Sports Committee. 2006-2010

# Patrick Travers, E.I.T.

Construction Inspection Supervisor

**PROPOSED PROJECT ASSIGNMENT**: CI Supervisor

**EDUCATION:**
*BS/1976/Civil Engineering*

**REGISTRATIONS/CERTIFICATIONS:**
*1976/Engineer-in-Training/CT*
*OSHA 10-Hour Construction Safety and Health*

**YEARS WITH FIRM:** *3*
**TOTAL YEARS EXPERIENCE:** *45+*

## Professional Profile

Mr. Travers is a seasoned construction industry professional with 45+ years of experience as a project manager, project engineer, estimator, and construction inspector. He also owned his own construction consulting business in the past.

Mr. Travers has an extensive background in public infrastructure projects, where he has developed a solid reputation for managing construction inspection contracts and serving as a municipal project manager. For the past fourteen years, Mr. Travers has been involved, in a management capacity, on about 50 municipal infrastructure projects throughout the State of Vermont. Additionally, Mr. Travers has managed 17 projects for Vermont State Parks and the Vermont Department of Fish and Wildlife. Project experience includes those involving road reconstruction, new sidewalks, streetscape improvements, recreation paths, bridge construction, large culvert replacements, underground utility construction, stormwater mitigation, slope stabilizations and salt storage sheds.

Prior to his focus in public infrastructure projects, Mr. Travers was a successful project manager for general contractors in the commercial building arena as well as earthmoving contractors. Mr. Travers was directly responsible for managing the placement of over 250,000-cubic yards of concrete at a nuclear power plant and has extensive experience performing quantity takeoffs, developing cost estimates and assembling bids.

Mr. Travers is highly organized and has developed a keen skill for directing multiple projects concurrently. Mr. Travers is also adept at moderating efficient and effective project meetings and can effectively coordinate efforts among all stakeholders involved in a project, such as owners, engineers, contractors and the general public.

Personal strengths for Mr. Travers include strong verbal and written communication skills, public relations capabilities, and presentation skills.

## Firm Experience

GPI. 02/20+. Project Manager & Construction Inspection Supervisor. In this role, Mr. Travers is responsible for procuring municipal project management and construction inspection contracts on public infrastructure projects, then managing those contracts, assigning onsite resident engineers to each project, and overseeing the work performed by those resident engineers. Additionally, Mr. Travers ensures that positive relationships are maintained with clients and GPI's services are provided in adherence to contract requirements. Responsibilities also involve overseeing quality control of work products, monitoring project schedules, keenly observing project budgets and generating work progress reports as required by state and federal funders.

## Prior Firm Experience

Staff Sterling Management, Morrisville, VT 2007-2020. Project and Operations Manager. Responsibilities included marketing and assembling proposals for resident engineering, construction inspection and project management assignments within the municipal infrastructure arena, then managing those contracts once procured. A total of 38 municipal infrastructure projects were procured and managed, along with another 17 State of Vermont projects. Construction projects ranged up to $3M in size and involved street reconstruction, new sidewalks, recreation paths, waterlines, stormwater collection systems, sanitary sewers, bridges, new building construction, building rehabilitations and historic preservation.

Vermont Small Business Development Center (SBDC), Randolph, VT. 1998-2007. Business Counselor. This position involved advising small business owners and

entrepreneurs on how to start up and successfully manage a business in Vermont. One-on-one counseling was provided to clients and business planning classes were presented. Many clients were able to secure business financing via their business plans developed through SBDC counseling.

Patrick Travers Construction Consulting, Burlington, VT. 1993-1998. Owner/Operator. Primary services offered were construction estimating and project management for small commercial construction contractors in northern Vermont and the North Country of New York State. The company also offered owner representation services as well as the development and presentation of seminars on construction estimating and project management. The company was licensed to present the VT. Department of Health Lead Paint Essential Maintenance Practices workshop to landlords of residential rental properties. Some 2,000 landlords statewide were educated through dozens of workshops.

CS Architecture and Construction, Burlington, VT. 1990-1993. Construction Project Manager. This position was responsible for on-site commercial construction supervision, including manpower oversight, budget monitoring, schedule managing and moderating project meetings. Projects included the Akwesasne Community Health Center for the Mohawk Nation, a 2,000-ft² medical facility that required the supervision of over 100 craft workers.

Simpson Construction, Inc., Rochester, VT. 1987-1989. Project Manager. This position was responsible for start-to-finish coordination of commercial construction projects for a general contractor that contracted up to $20 million of work per year. Responsibilities included contract negotiations, scheduling, budgeting, procuring subcontractors, moderating project meetings, coordinating with on-site project supervision and maintaining client relationships. Most of the work was public school construction.

Spera Construction Company, Inc., Hartford, CT. 1986-1987. Construction Engineer and Estimator. Responsibilities included cost estimating, assembling bids, and managing commercial construction and public infrastructure projects for a heavy/highway, site work and earth moving contractor. Clients included cities and towns in Connecticut, and private developers.

Northeast Contracting Company, Inc., Middletown, CT. 1984-1986. Chief Engineer and Estimator. Responsibilities included calculating quantity takeoffs, determining construction costs and assembling bids for an excavation and site work contractor that focused on commercial construction projects in central Connecticut. Responsibilities also involved layout and construction engineering on site as well as representing the company at project progress meetings.

Stone and Webster Engineering Corporation, Boston, MA. 1981-1984. Senior Field Engineer. Responsible for coordinating operations of the on-site batch plant to support concrete placements for the $4B Millstone III Nuclear Power Plant in Waterford, CT. Over the course of three years, more than 250,000-cubic yards of concrete meeting the requirements for nuclear facilities were placed in eight buildings that constituted the plant. Responsibilities also included oversight of unionized surveyors charged with layout work throughout the site.

Water Pollution Control Authority, Town of Waterford, CT. 1976-1981. Assistant Construction Engineer. This was an entry level position that involved construction inspection of a new municipal sanitary sewer system being installed throughout the town. Responsibilities included ensuring the work was in compliance with drawings and specifications, tracking quantities of work completed, capturing progress photos and approving contractor payment requisitions.

## Volunteer Activity / Community Organizations

- President of Couples Field (Community Athletic Fields), Waitsfield, VT. 2019-Present
- Secretary, Board of Directors of Mad River Path, Waitsfield, VT. 2020-Present
- Board Member of Rootswork, Warren, VT. 2018-Present
- Founder and Coordinator of Mad River Valley Bocce League. 2019-Present
- Mad River Valley Rotary Club member. 2019-Present
- Shareholder, Mad River Glen Cooperative Ski Area, Fayston, VT. 1993-Present
- Past President, Canton Bicycle Club, Canton NY. 1993-1995
- Past member of Representative Town Meeting, Waterford, CT, 1970's

# Timothy Pockette, PE

VT-CI Manager

**PROPOSED PROJECT ASSIGNMENT**: CI Supervisor

**EDUCATION:**
*BS in Civil Engineering, University of Vermont, 1992*

**REGISTRATIONS/CERTIFICATIONS:**
*Certified Public Manager*
*NETTCP Driven Pile Inspector - 2018*
*NETTCP HMA Paving Inspector - 2017*
*Professional Engineer in Civil Engineering in Vermont - 2022*

**YEARS WITH FIRM:** *2*
**TOTAL YEARS EXPERIENCE:** *31*

**PROFESSIONAL AFFILIATIONS:**
*Vermont Society of Civil Engineers*
*National High School Coaches Association*

## Professional Profile

Mr. Pockette has many years of experience as a Regional Construction Engineer, Resident Engineer, Office Engineer, Construction Inspector, and as a Bituminous and Asphalt Testing Laboratory Supervisor. He has been involved with projects on roadways, bridges, and railroads and these projects have been of varying sizes from $150k to $46M.

He received his Bachelor of Science in Civil Engineering from the University of Vermont in 1992. He obtained his Engineering Intern License in 1992 and his Professional Engineers License in Civil Engineering in 2004. He served as Resident Engineer on the projects listed below.

Resident Engineer: As a Resident Engineer, he was responsible for the administration and inspection throughout construction of the project. As Resident Engineer, he ensured the project was constructed according to the contract documents and that all materials were in conformance with the specifications. All work must be accomplished in accordance with all safety and environmental regulations. He served as the single point of contact for all project matters during construction.

## Project Experience

Greenman-Pedersen, Inc. 05/21+.

Westminster IM 091-1(70), Windham County, VT. 08/22-01/23. Resident Engineer. This project on Interstate 91 in the Town of Westminster was for the replacement of Bridges 21N and 21S over the Saxtons River and TH-1 (Saxtons River Rd (VT Route 121)) located a distance of ~2.4 miles north of Exit 5 along Interstate 91. Work performed for this project included removal and replacement of existing concrete bridge decks with a widened bridge deck resulting in two 4'8" wide shoulders and two 12-foot travel lanes for each bridge, repairs to the existing substructures, repainting of steel superstructure members, new F-shape bridge rail with Heavy Duty Steel Beam approach rails, installation of a new electrical protection system, and related approach roadway and channel work. Traffic will be maintained with the construction of temporary crossovers in phases which will transition both directions of traffic onto one bridge. *Client: VAOT; Mark Mackintosh (RCE)*

Ludlow Village NH DECK(49), Windsor County, VT. 07/22-10/22. Resident Engineer. This project on VT Route 103 in the Town of Ludlow was for work on Bridge No. 26 over Jewell Brook. The project began at Mile Marker 2.221 and extended a distance of ~0.026 miles to Mile Marker 2.247. Work performed for this project included deck and superstructure replacement, substructures re-sealed and cracks repaired, new beam seats to accommodate a new beam configuration, and related approach roadway and channel work. The rehabilitated bridge features 12' lanes, 10' shoulders, and sidewalks on both sides to match the existing typical section. New concrete/steel combination bridge rails were installed. During construction, the bridge was closed for approximately 21 days and traffic was maintained on an off-site detour. *Client: VAOT; Mark Mackintosh (RCE)*

Weathersfield IM 091-1(69, Windsor County, VT. 02/21-11/22. Inspector. This project on Interstate 91 at Exit 8 was for the rehabilitation of Bridges 30N and 30S. Work performed for this project included removal and replacement of the existing concrete bridge decks, repairs to the existing substructures, repainting of the steel superstructure members, construction of temporary crossovers, and other related roadway work. *Client: VAOT; Tim Pockette (RE)*

Brattleboro-Westminster IM SURF(69), Windham County, VT. 04/22-09/22. Resident Engineer. This project on Interstate 91 (Northbound) began in the Town of Brattleboro at Mile Marker 11.941 and extended northerly for a distance of 18.074 miles (95,430.72 ft) to Mile Marker 30.015 in the Town of Westminster. Work performed for this project included fine-milling, surface preparation involving patching, pothole repair, crack sealing, resurfacing with a thin bituminous concrete wearing surface, guardrail improvements, pavement markings, and other highway related items. *Client: VAOT; Mark Mackintosh (RCE)*

Cavendish-Weathersfield ER STP 0146(14), Windsor County, VT. 05/21-01/22. Resident Engineer. This project was in the Towns of Cavendish and Weathersfield on VT 131, from VT 103 to VT 106. Work under this contract included full depth reclamation with cement, installation of soil nails, road widening, installation of a precast concrete box culvert, removal and replacement of curb, new sidewalks, installation of underdrain systems and drainage structures, sanitary sewer work, paving, traffic signs, guardrail, and incidental work. *Client: VAOT; Seth Hisman (RCE)*

Weathersfield IM 091-1(69), Windsor County, VT. 05/21-01/22. Resident Engineer. This project is in the Town of Weathersfield on Interstate 91, over VT 131, at Exit 8. Work under this contract was on both the northbound bridge and the southbound bridge. The work included the construction of temporary crossovers for traffic control, the removal of bridge decks, placement of new structural steel, rehabilitation of abutments and piers, placement of new decks with F-barrier, guardrail, signs, and incidental work. *Client: VAOT; Mark Mackintosh (RCE)*

## Prior Firm Experience

Vermont Agency of Transportation, Construction & Materials Bureau, Berlin, VT. 01/20-05/21. Regional Construction Engineer. Mr. Pockette's responsibility in this position was overseeing the operations of the Construction Section of the southern region of Vermont. This consisted of supervising 13 State employees and 30 to 40 consultant inspectors. There were 20 to 35 projects in the region totaling up to $150M in value. He provided technical guidance to the Resident Engineers and inspectors. He interpreted plans and specifications; contract documents and permits to assist with technical support. This included evaluation of claims, added contract work, extension of contract time, and change orders. He supervised and worked with the regional support staff to ensure that the region was properly administering the projects.

Vermont Agency of Transportation, Construction & Materials Bureau, Berlin, VT. 2016-2020. Supervisory Resident Engineer. In addition to the usual responsibilities of a Resident Engineer, Mr. Pockette was responsible for the supervision of five state employees. He also was assigned as the Acting Regional Construction Engineer in the absence of the Regional Construction Engineer.

Middlebury WCRS(23) (CMGC), Addison County, VT. 07/19-01/20. Supervisory Resident Engineer. This project was on the Vermont Railway. Project scope included the replacement of two nearly 100-year-old bridges with a tunnel. The two bridges are about 300-ft apart, with one located on Main Street/VT 30 and the other on Merchants Row. Work performed under this project includes removal and replacement of Bridge 102 and Bridge 2 with a tunnel along a modified railroad alignment, lowering of the tracks, construction of approach retaining walls (U-walls), and roadway and utility work. A 360-ft tunnel will replace the Main Street and Merchants Row bridges and will address several deficiencies now facing the railroad. Currently, the bridges do not have enough vertical clearance for double-stack rail cars. By lowering the rail bed approximately 4-ft, clearance can be increased to 21-ft without impacting the grade of the road and sidewalks above. The tunnel will also enable the alignment of the rail to change, softening the curve that currently exists, allowing better horizontal clearance for trains. Drainage improvements and covering the track will reduce the risk of icing problems that have been severe in some winters as well as ponding that occurs. The project has had to balance community needs and character, local and regional mobility, construction feasibility – all while keeping the rail line active, except during a 10-week closure period, as communities along the line depend on rail for deliveries of various commodities. *Client: VAOT; Mark Mackintosh (RCE)*

The following is a list of other projects Mr. Pockette was the Supervisory Resident Engineer on during this time.

- Rutland WCRS(23) C/3 & Rutland WCRS(23) C/4 & Rutland VTRY(49) – 2019
- Rutland-Pittsford NH 2963(1) & Pittsford STP 2963(1) – 2019
- Brandon-Goshen ER STP 0162(22) – 2019
- Rutland-Middlebury WCRS(23) C/2 – 2018
- Middlebury EWP3(2) – 2018
- Middlebury EWP3(1)(CMGC) – 2017
- Brandon STP 2033(27) – 2017
- Manchester STRB16(2) & Wallingford STRB 16(3) & Wallingford STP 0138(13) – 2017
- Manchester STRB 16(1) – 2017
- Rutland-Killington ER NH 020-2(36) – 2016
- Pittsford HPP ABRB(9) – 2016
- Mendon ER 020-2(39) – 2016

Vermont Agency of Transportation, Construction & Materials Bureau, Montpelier, VT. 2004-2016. Resident Engineer. Mr. Pockette was typically assigned multiple projects to oversee. The following is a list of projects Mr. Pockette was the Resident Engineer on during this time.

- Middlebury WCRS(9) – 2015
- Bennington-Mt Tabor BF BPNT (16) – 2015
- Statewide HES GARD(2) - 2015
- Fair Haven -West Rutland BF MEMB(35) – 2015
- Shrewsbury BHO 1443(49) – 2015
- Castleton-West Rutland BF BPNT(15) – 2015
- Statewide SW REGION STPG SIGN(47) – 2014
- Shrewsbury STP 0143(44) – 2014

- Rutland City BRF 3000(18) – 2014
- Rutland City BRF 3000(16) & Rutland City BRF 3000(19) – 2014
- Castleton-Rutland BF MEMB(38) – 2014
- Castleton-Rutland BF MEMB(37) – 2014
- Manchester WCRS(24) – 2013
- Rutland City-Proctor STP 2728(1) & Rutland City STP 019-3(57) & Rutland City NH 2716(1) – 2013
- Sudbury - Brandon STP 0158(3) – 2013
- Hubbardton ER STP 0161(26) & Hubbardton ER STP 0161(27) – 2012
- Fair Haven-Rutland BHF BPNT(10) – 2012
- Castleton STP 2909(1) & Castleton STP 2908(1) & Castleton-West Rutland STP 2705(1) – 2011
- Pittsfield-Stockbridge STP 022-1(22)S – 2011
- Pawlet-West Rutland STPG SIGN(37) – 2011
- Statewide NHG MARK(205) – 2011
- Pittsford HPP ABRB(8) – 2009
- Statewide SW Region BHF MEMB(20) – 2009
- Brandon NH 019-3(495) – 2009
- Statewide NHG MARK(202) – 2009
- Fair Haven-Rutland BHF MEMB(2) – 2008
- Bennington-Shaftsbury BHF MEMB(3) – 2008
- Dorset-Fair Haven ST BPNT(1) – 2008
- Manchester-Dorset NH 2608(1) - 2008
- Castleton RS 0142(10) – 2007
- Manchester STP 2033(1) – 2007
- Rutland-Proctor STP 2312(1) – 2007
- Proctor HPP ABRB(6) – 2007
- Rutland City HPP ABRB(5) – 2006
- Sunderland BRF 0114(2) – 2006
- Wells STP 015-2(7) – 2006
- Wallingford-Rutland Town NH 2408(1) – 2006
- Wallingford NH 2108(1) & Wallingford STP EH 04(6) – 2005
- Wallingford BRO 1443(31) – 2005
- Wallingford - Rutland Town NH 2207(1) – 2005
- Clarendon NHG SGNL(24) – 2005
- Pownal-Bennington NH 2118(1) – 2004
- Stamford TH3-9441 – 2004
- Bennington NH 2202(1) & Bennington NH 2225(1)

Vermont Agency of Transportation, Construction Division, Montpelier, VT. 2001-2004. Assistant Finals Engineer. Mr. Pockette's responsibilities included ensuring that the final quantities for all contract items were checked and documented properly, evaluating extensions of contract time, assisting in the development of the field visit routine and the Resident Engineer project records rating system, performing evaluations of the Resident Engineers' project records, assisted in the development of the Site Manager Manual and revisions to the Construction Manual, served as the Construction Division's representative on the Standard Drawings Committee, and he was a representative for Construction on research projects involving the New England Transportation Consortium, FHWA, and other State Departments of Transportation.

Vermont Agency of Transportation, Materials & Research Division, Berlin, VT. 1997-2001. Bituminous Concrete Engineer. Mr. Pockette's responsibilities included supervising the VAOT Materials and Research Asphalt Cement Lab and Hot-Mix Lab, including the Asphalt Technician and Asphalt Mixtures Testing and Analysis Technician. This included providing information to management regarding the unit's operations and projecting technical/administrative needs, an annual budget, equipment needs, and training needs. He was also VAOT's lead for implementation of the new Superpave Volumetric Mixture Design procedures and Performance Graded Binder specifications. He was the Agency Chairperson for the Paving Association of Vermont/ VT Agency (PAV/AOT) Committee. He also oversaw research projects that were being carried out in the Bituminous Concrete Pavement and/or Asphalt Binder fields and coordinated them with outside Agencies /Consultants.

Vermont Agency of Transportation, Construction Division, Montpelier, VT. 1993-1997. Engineer B. He performed the duties of an Inspector, Office Engineer, and Resident Engineer on a variety of projects. He also worked in the construction off seasons as a designer in the Structures Section.

Office Engineer: As an Office Engineer, he was responsible for the administrative work for the projects which included, but was not limited to, project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications, sampling, and test results, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights issues.

Inspector: As an Inspector, he was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

Vermont Agency of Transportation, Maintenance District 3, Rutland, VT. 1992-1993. Engineer A. Mr. Pockette's responsibilities included supervising maintenance projects. He was assigned as the Project Engineer of a glider strip project at the Rutland State Airport. Duties consisted of surveying (project layout, drainage elevations, and runway elevations), making construction engineering decisions, performing quantity calculations, and determining construction processes. He also assisted in budget work for District 3 and the Rutland State Airport. This consisted of estimating work force requirements, equipment requirements, and material costs. He also surveyed and designed town culvert and intersection projects. This consisted of initial and final surveying of cross sections, elevations, and layout. The design consisted of culvert sizing, using hydraulic information, culvert layout, headwall design, and roadway elevations. He also surveyed and designed district garage sites. This consisted of initial survey, roadway design, culvert design, building locations, elevations, and material quantities. He also developed and maintained records and bookkeeping system for the State Mabey Bridge System. He developed a checklist of parts needed to construct a Mabey Bridge and a training video for the construction and installation of Mabey Bridge systems.

# Elhadji Ba

Technician III

**PROPOSED PROJECT ASSIGNMENT**: Inspector/Chief Inspector

**EDUCATION:**

*BS/Construction Management, Vermont Technical College/2019*
*AE/Civil and Environmental Engineering Technology, Vermont Technical College/2017*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Tech, Grade 1 – 2023 (Anticipated Recertification)*
*NETTCP Concrete Inspector – 2023 (Anticipated)*
*NETTCP HMA Paving Inspector – 2020*
*Nuclear Density Gauge – 2020*
*OSHA 30-Hour*
*Procore Associate Certificate*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *3.5*
**TOTAL YEARS EXPERIENCE:** *7*

## Professional Profile

Mr. Ba received an AE in Civil and Environmental Engineering Technology from Vermont Technical College in 2017 and a BS in Construction Management from Vermont Technical College in 2019. He has several years of construction inspection experience on Vermont Agency of Transportation projects, performing inspections at a precast concrete plant, and experience working on residential and bridge construction. He is familiar with the following software: Microsoft Office, Excel, and Project, Procore, Blue Beam, and Carlson.

Mr. Ba served as Inspector and Chief Inspector on the projects listed below.

Inspector: As an Inspector, Mr. Ba is responsible for providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. He is accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. He is also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

Chief Inspector. Responsible for the administration, engineering, and inspection of the project. As Chief Inspector, he was accountable for surveys, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements, and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included. As Chief Inspector, s/he delegated duties to the Inspector(s) and the Office Engineer.

## Project Experience

Greenman-Pedersen, Inc. 08/19+.

Swanton-Highgate STP PS22(3); Franklin County, VT. 04/22-08/22. Chief Inspector. This project on US Route 7 in the Town of Swanton began at Mile Marker 6.811 and extended northerly for 6.372 miles to Mile Marker 6.216 in the Town of Highgate. Work performed for this project included coarse-milling and paving of the existing highway, pavement markings, guardrail improvements, signs, and other related highway items. *Client: VAOT; Dave Hosking (RE)*

Alburgh NH FPAV(59) & Swanton NH FPAV(58), Alburgh, Grand Isle County, & Swanton, Franklin County, VT. 07/22-10/22. Chief Inspector. Alburgh NH FPAV(59). This project on US 2 began in the Town of Alburgh at MM 1.800 and extended easterly for 4.100 miles (21,648.00 ft) to MM 5.900 in the Town of Alburgh. Work to be performed on this project consisted of milling the pavement to a 1.5" depth, spot shimming and surface prepping, paving with a 1.5" lift of Type IVS wearing course pavement, and applying pavement markings, and other related highway items. Swanton NH FPAV(58) - This project on VT 78 began in the Town of Swanton at MM 0.500 and extended easterly for 6.000 miles (31,680.00 ft) to MM 6.500 in the Town of Swanton. Work on this project consisted of milling the pavement to a 1.5" depth, spot shimming and surface prepping, paving with a 1.5" lift of Type IVS wearing course pavement, guardrail, drainage improvements, and applying pavement markings. *Client: VAOT; Dave Hosking (RE)*

Bridport-Cornwall STP FPAV(45), Addison County, VT. 09/21-12/21. Inspector. This project on VT 125 started at Bridport Mile Marker 5.244 and extended easterly for 3.373 miles to Cornwall Mile Marker 0.428. Work performed for this project included fine-milling and resurfacing the existing highway, guardrail improvements, pavements markings, and other highway related items. *Client: VAOT; Phillip Harington (RE)*

Middlebury STP PC(3)/Middlebury NH PC20(4), Addison County, VT. 09/21-12/21. Inspector. Middlebury STP PC20(3) – This project on VT 30 in the Town of Middlebury started at Mile Marker 0.524 and extended northerly 0.622 miles to Mile Marker 1.146. There was also a section on VT 125 that started at Mile Marker 0.333 and extended easterly 0.878 miles to Mile Marker 1.211 including VT 125 West between Stations 100+00 and 105+50. Work performed for this project included coarse milling, resurfacing with leveling and wearing courses, drainage rehabilitations, pavement markings, signs, and other related highway items. Middlebury NH PC20(4) – This project on US 7 in the Town of Middlebury started at Mile Marker 4.256 and extended northerly 1.455 miles to Mile Marker 5.711 including Court Square from Mile Marker 4.948 to Mile Marker 5.029. Work performed for this project included coarse milling,

resurfacing with leveling and wearing courses, drainage rehabilitations, pavement markings, signs, and other related highway items. *Client: VAOT; Phillip Harington (RE)*

Richmond-Colchester IM SURF(63), Chittenden County, VT. 09/20-10/20. Inspector. The Richmond-Colchester paving project included both Northbound and Southbound lanes of Interstate 89 from Mile Marker (MM) 79.000, in the Town of Richmond, to MM 91.880, in the Town of Colchester, 12.88 miles. Work performed under the project included surface preparation involving patching, pot-hole repair, and crack sealing, overlaying with a thin bituminous concrete wearing course, pavement markings, plug joints, and other related highway items. *Client: VAOT; Josh Hulett (RE)*

Middlebury WCRS(23), Addison County, VT. 06/20-09/20. Inspector. This project is located on the Vermont Railway. The scope for this project included the replacement of two nearly 100-year-old bridges with a tunnel. The two bridges are about 300-ft apart, with one located on Main Street/VT 30 and the other on Merchants Row. Work performed under this project included removal and replacement of Bridge 102 and Bridge 2 with a tunnel along a modified railroad alignment, lowering of the tracks, construction of approach retaining walls (U-walls), and roadway and utility work. A 360-ft tunnel will replace the Main Street and Merchants Row bridges and will address several deficiencies now facing the railroad. Currently, the bridges do not have enough vertical clearance for double-stack rail cars. By lowering the rail bed approximately 4-ft, clearance can be increased to 21-ft without impacting the grade of the road and sidewalks above. The tunnel will also enable the alignment of the rail to change, softening the curve that currently exists, allowing better horizontal clearance for trains. Drainage improvements and covering the track will reduce the risk of icing problems that have been severe in some winters as well as ponding that occurs. The project had to balance community needs and character, local and regional mobility, construction feasibility – all while keeping the rail line active, except during a 10-week closure period, as communities along the line depend on rail for deliveries of various commodities. *Client: VAOT, Jonathan Griffin (RE)*

Statewide STP CRAK(37), Multiple Towns, Northern Region, VT. 08/19-11/19. Inspector. The scope of work performed under this project included the routing and sealing of cracks in bituminous pavement on existing state, US, and interstate highways in the northern region, as well as the associated traffic control. *Client: VAOT; Scott Wheatley (RE)*

## Prior Firm Experience

J.P. Carrara and Sons, Inc., Middlebury, VT. 12/18-05/19. Quality Control Officer. Mr. Ba 's duties include pre-pour inspection of the forming and reinforcing steel placement, testing concrete, and post-pour inspection of the finished precast units.

Neil Daniel Construction, Ascutney VT. 05/18-07/18. Carpenter. Mr. Ba's duties included concrete work and carpentry on culvert and bridge replacement projects.

Marlboro College, Marlboro, VT.2014+. Faculty Dance Instructor. Mr. Ba directed class on traditional West African dance and drum. He assigned and reviewed short research papers related to the course and organized end-of-semester performance.

Panera Bread, Hadley, MA. 2011-2014. Prep Cook and Dishwasher.

Shaw's Supermarket, Waterbury/South Burlington, VT.2006-2010. Dairy Clerk.

Self-employed laborer, Senegal, West Africa, 1997-2000. Residential construction laborer.

# Christopher Barker, P.E.

Civil Engineer VI

**PROPOSED PROJECT ASSIGNMENT**: Resident Engineer

**EDUCATION:**

*BS in Civil Engineering, University of New Brunswick, Fredericton, NB, CA - 1988*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade 1 – 2023 (Anticipated recertification)*
*NETTCP Drilled Shaft Inspector – 2023*
*NETTCP Driven Pile Inspector – 2022*
*NETTCP HMA Paving Inspector – 2021*
*OSHA 10 Hour*
*PE in Civil Engineering in VT - 2020*

**YEARS WITH FIRM:** *2*
**TOTAL YEARS EXPERIENCE:** *34*

## Professional Profile

Mr. Barker has been a Resident Engineer on 50+ construction projects during his tenure with the Vermont Agency of Transportation for 30+ years both as an employee and consultant. He has been the Resident Engineer on all types of construction projects including roadway reconstruction and reclaim, bridge reconstruction and rehabilitation on the interstate, state route, and town highways, paving on the interstate, state routes and Class I town highways. He was the Resident Engineer on the first design-build project in Vermont and the only bridge slide project in Vermont. He has had winter assignments in Roadway Design, Pavement Management, Traffic & Safety, and the Finals Unit.

Mr. Barker received a Bachelor of Science in Civil Engineering from the University of New Brunswick in Fredericton, New Brunswick, Canada in 1988. He has been a Professional Engineer in Civil Engineering in Vermont since 1994.

Mr. Barker has demonstrated the ability to perform all the duties and responsibilities of a Resident Engineer on multiple and complex construction projects, concurrently. He can also perform all the duties of a Chief Inspector or Office Engineer.

Resident Engineer. Responsible for the administration and inspection throughout construction of the project. As Resident Engineer, he ensured the project was constructed according to the contract documents and that all materials were in conformance with the specifications. All work must be accomplished in accordance with all safety and environmental regulations. S/he served as the single point of contact for all project matters during construction.

## Project Experience

Greenman-Pedersen, Inc. 04/21+

Randolph-Northfield STP SURF(73), Orange, Addison, & Washington Counties, VT. 07/22-09/22. Resident Engineer. This project on VT Route 12A began at Mile Marker 0.398 in the Town of Randolph and extended northerly a distance of 20.043 miles (105,827.04 ft) to Mile Marker 4.075 in the Town of Northfield. Work performed for this project included removal of the existing lines, spraying the roadway with rubberized asphalt, and immediately placing asphalt coated aggregate into the rubberized asphalt, pavement markings, and other related highway items. *Client: VAOT; Contact: Seth Hisman (RCE)*

Brookfield STP 0241(49), Orange County, VT. 06/22-0922. Resident Engineer. This project on VT Route 12 in the Town of Brookfield began at Mile Marker 3.86 (Station 204+00) and extended northerly a distance of approximately 0.045 miles (235 ft) to Mile Marker 3.91 (Station 206+35). Work performed for this project included reconfiguration of existing rock slope, stabilization of rock slope, and other highway related items. *Client: VAOT; Contact: Seth Hisman (RCE)*

Brookfield-Montpelier IM SURF(67), Orange and Washington Counties, VT. 04/22-09/22. Resident Engineer. This project on Interstate 89 (Southbound) began at Mile Marker 36.900 in the Town of Brookfield and extended northerly to Mile Marker 52.500 in the City of Montpelier. Work performed for this project included fine-milling, surface preparation involving patching, pothole repair, and crack sealing, overlaying with a thin bituminous surface treatment, pavement markings, guardrail improvements, and other highway related items. *Client: VAOT; Contact: Seth Hisman (RCE)*

Berlin IM DECK(42), (43), (44), and (45), Washington County, VT. 03/20+.

Resident Engineer. This contract on Interstate 89 was for the replacement of the decks on Bridge Nos. 37N and 37S over Crosstown Road and 38N and 38S over VT 62 at Exit 7. Work to be performed included removal and replacement of the bridge decks and related approach work. The bridge decks were replaced in phases while maintaining traffic on I-89 using crossovers to the opposite barrel of the interstate. The northbound bridge decks were replaced simultaneously and then traffic was switched over and the southbound bridge decks were replaced. The new bridge decks were constructed using a hybrid between conventional construction methods (cast-in-place concrete) and accelerated construction methods (stay in place forms). *Client: VAOT; Contact: Seth Hisman (RCE)*

Berlin CMG PARK(45), Washington County, VT. 05/21-11/21. Resident Engineer. This contract included the reconstruction and expansion of the Park and Ride facility on the Paine Turnpike approximately 180-ft north of its intersection with VT 62. Work to be performed under this project included a pavement overlay, widening of Paine Turnpike North, a new one-way exit onto VT 62, pavement markings, signage, traffic signal modifications, new drainage, landscaping, lighting, a new bus shelter, and other incidental items. *Client: VAOT; Contact: Seth Hisman (RCE)*

Williamstown-Northfield CMG PARK(49), Orange County, VT. 06/21-11/21. Resident Engineer. This contract was for the reconstruction of the Park and Ride facility on VT 64, west of the Exit 5 interchange of Interstate 89 along with widening of 517-ft of VT 64 from the VTrans District Garage Driveway west. Work to be performed under this project included reconstruction of the Park and Ride lot, a new bus shelter and bike rack, removal of a soil pile on the District Garage site, reconstruction of the VTrans District Garage Driveway, a waterline relocation, new stormwater management, lighting, signage, landscaping, pavement markings, and other incidental items. *Client: VAOT; Contact: Seth Hisman (RCE)*

Sharon-Bethel IM 089-1(66), Windsor County, VT. 04/21-09/21. Resident Engineer. This paving project on Interstate 89 began at NB MM 12.245 in the Town of Sharon and extended north 13.099 miles through the Town of Royalton and ended at MM 25.344 in the Town of Bethel. In the southbound barrel the project began at SB MM 12.245 and extended north 13.160 miles and ended at MM 25.405. Work performed under this project included surface preparation involving patching, pothole repair, and crack sealing, fine milling and inlaying with a thin bituminous concrete wearing course, pavement markings, guardrail rehabilitation, and other highway related items. *Client: VAOT; Contact: Seth Hisman (RCE)*

Hartford-Sharon IM SURF(65) and (66), Windsor County, VT. 04/21-09/21. Resident Engineer. This paving project on Interstate 89 began at MM 0.000 in the Town of Hartford, the Vermont-New Hampshire State Line, and extended north to MM 12.245 in the Town of Sharon. The project was in both the Northbound and Southbound barrels. Work performed under this project included surface preparation involving patching, pothole repair, and crack sealing, fine milling and inlaying with bonded wearing course, pavement markings, guardrail, and other highway related items. *Client: VAOT; Contact: Seth Hisman (RCE)*

## Prior Firm Experience

Vermont Agency of Transportation, Construction and Materials Bureau, Berlin, VT. 11/88-04/21. Mr. Barker was the Resident Engineer on over 50 projects. The following isn't a complete list, but they are some of the major ones.

- Reclaim projects on VT 12 from Bethel to Randolph in 1994 and from 2015 to 2016, US 4 from Bridgewater to Woodstock in 2007, VT 131 in Weathersfield in 2013, VT 107 from Stockbridge to Bethel in 2014, VT 12A from Randolph to Roxbury in 2015 and from Roxbury to Northfield from 2016 to 2017, and VT 73 from Brandon to Goshen in 2019.
- Reconstruction of roadway and bridge on US 2 and VT 14 in East Montpelier from 2016 to 2019.
- Reconstruction of two bridges on I91 NB and SB in Hartford in 2015 – Only sliding bridge project in VT.
- Reconstruction of truss bridge on VT 107 in Bethel from 2012 to 2013.
- Reconstruction of four bridges on I89 NB and SB in Brattleboro from 2010 to 2012 – First Design-Build Project in VT.
- Reconstruction of US 5 in Hartford from 2007 to 2009.
- Construction of Veterans Bridge in West Hartford from 2005 to 2006.
- A section of the Bennington Bypass in 2003.
- Reconstruction of VT 22A in Addison from 1999 to 2000.
- Reconstruction/Relocation of VT 30 in Newfane from 1995 to 1996.

# Bruce A. Boyle

Vermont Construction Inspection Supervisor

**PROPOSED PROJECT ASSIGNMENT**: Supervisor

**EDUCATION:**

*1977/Diploma/General Studies*
*Completed courses in Windows 95, Word Processing, Spreadsheets and Presentation; 1997-1998*
*Condition Assessment Survey Inspection Training, 2000*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician – Grade 1 - 2015*
*AGC/VT – Registered Flagger - 2017*
*ATSSA Guardrail Installation Training*
*ATSSA Traffic Control Supervisor - 2017*
*ATSSA Traffic Control Technician - 2017*
*Fall Protection OSHA 1926.500 Basic I*
*NACE Level I Inspector*
*NETTCP Concrete Inspector - 2015*
*NETTCP Drilled Shaft Inspector - 2018*
*NETTCP Driven Pile Inspector - 2015*
*NETTCP HMA Paving Inspector - 2017*
*Nuclear Density Gauge*
*OSHA 10-Hour*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *22*
**TOTAL YEARS EXPERIENCE:** *39*

## Professional Profile

Mr. Boyle has many years of experience as a construction inspector and office engineer. He is experienced in providing on-site quality control and training of employees, knowledge of all aspects of highway construction and building codes, multi-trade experience, and in the supervision of employees.

Vermont Construction Inspection Supervisor. 01/20+. Mr. Boyle is responsible for overseeing work being performed by GPI consultant staff for VAOT or Town officials. He interacts with Regional Engineers and Resident Engineers to ensure that GPI is meeting VTrans needs. He ensures that CI staff has equipment needed to perform their duties. He oversees training and certification for staff and interviews prospective staff. He also assists CI staff with specification interpretation.

On the following projects Mr. Boyle has served in many roles including Chief Inspector, Office Engineer, and Inspector.

Chief Inspector: As a Chief Inspector, he was responsible for the administration, engineering, and inspection of the project. Duties included survey including initial project control, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities; monitoring field operations, verifying field measurements, coordinating sampling, traffic control, safety issues, public meetings, and general communication and documentation duties. As Chief Inspector, he also delegated duties to the inspector(s) and the Office Engineer.

Office Engineer: As an Office Engineer, he was responsible for the administrative work for the projects which included, but was not limited to, project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications, sampling, and test results, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights issues.

Inspector: As an Inspector, he was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 05/01+.

Fair Haven STP PC19(2), Fair Haven, Rutland, VT. 08/19-12/19. Office Engineer. GPI provided construction inspection services for this project. Work to be performed under this project included coarse milling and paving with a leveling course and wearing course on 1.1 miles of VT Route 22A. Project also consists of new pavement markings, new signs, drainage rehabilitation, and reconstruction of an at-grade railroad crossing. This project was awarded in conjunction with Poultney STP PC19(4) and West Rutland STP PC19(6). *Client: VAOT; Chris Williams (RE)*

Manchester STP 2970(1) & Manchester STP BP 15(5), VT. 04/18-12/18 and 04/19-08/19. Chief Inspector/Office Engineer. These projects consisted of cold planing and paving with a leveling course and a wearing course, overlay with a wearing course, pavement markings, signs, drainage improvement, a highway-railroad grade crossing reconstruction and rail signal improvements, stop bar detection, pedestrian signal system modifications, construction of new curbs and drainage features, and connecting into the existing drainage system; installation of tree pits and green strips; planting trees, shrubs, and perennials and establishing turf; reconstruction of sidewalk sections to meet ADA standards; installation of street lighting conduit, street lighting bases, poles, luminaires, and electrical meters; and associated incidental construction features. *Client: VAOT; Contact: Chris Williams (RE)*

Statewide SW Region STPG Mark 309. 2017-2018. Office Engineer. Work included the application of center line, edge line and lane line markings on national highway and state systems roads. Application of centerline markings on Class 1 and 2 town highways within Addison, Bennington, Rutland Windham, and Windsor Counties *Client: VAOT; Contact: Tom Chase (RE)*

Statewide SE Region STPG Mark 308. 2017-2018. Office Engineer Work included the application of center line, edge line and lane line markings on national highway and state systems roads. Application of centerline markings on class 1 and 2 town highways within Addison, Orange, Washington, Windham, Windsor Counties *Client: VAOT; Contact: Tom Chase (RE)*

Mendon ER 020-2(39). 2016-2018. Chief Inspector/Office Engineer/Environmental Specialist. Work included the stabilization of a ravine, channel work, installation of a new culvert, and other highway related items. All work was performed next to and in a pristine stream that supplied the City of Rutland with its water supply. *Client: VAOT; Contact: Tim Pockette (RE)*

Rutland Killington ER NH 020-2(36). 2017-2018. Chief Inspector/Office Engineer Work included cold planing, resurfacing of the existing pavement markings, guardrail, signs, box culvert, and ledge removal. *Client: VAOT; Contact: Tim Pockette (RE)*

Shrewsbury STP 1443 (44). 2015-2016. Chief Inspector/Office Engineer. Replacement of Bridge #37. Work included removal of existing structure with installation of new precast arch bridge, approach, and channel work, subbase, pavement, guardrail, and signs. *Client: VAOT; Contact: Tim Pockette (RE)*

Shrewsbury BHO 1443 (49). 2015-2016. Chief Inspector/Office Engineer. Restoration of the Brown Covered Bridge over the Cold River. Work included rehabilitation of existing stone abutments and wing walls, performing superstructure repairs providing approach railings, and signs. *Client: VAOT; Contact: Tim Pockette (RE)*

Rutland City/Proctor, Rutland City, Rutland City STP 2728(1), NH 2716(1), STP 019-3(57), VT. 2014-2016. Chief Inspector/Office Engineer. The project involved paving 6.5 miles of a center city area with high volumes of traffic. Work included box cut widening, sidewalk and curb replacement, shared use path construction, storm and sanitary sewer improvements, base course, leveling paving course, wearing course, guardrail, new signs, cold planing, and highway markings. *Client: VAOT; Contact: Tim Pockette (RE)*

Sudbury-Brandon STP 0158(3), VT. 2013. Chief Inspector/Office Engineer. The project involved 4.5 miles of paving including pavement reclamation, cold planing, base course, leveling paving course, wearing course, guardrail, new signs, drainage, and highway markings. *Client: VAOT; Contact: Tim Pockette (RE)*

Castleton, Castleton, Castleton / West Rutland, STP2908 (1), STP 2909 (1), STP 2705 (1), VT. 2012. Office Engineer. The project involved paving 10.3 miles of state highway including cold planing, leveling paving course, wearing course, guardrail, new signs, drainage, and highway markings. *Client: VAOT; Contact: Tim Pockette (RE)*

Brandon NH019-3 (495), VT. 2009, 2010, and 2011. Chief Inspector/Office Engineer. Work involved full depth reconstruction of 3 miles of Route 7; including 78,000 cubic meters of common excavation, 20,000 cm solid rock excavation, and 38,000 tons of asphalt pavement. *Client: VAOT; Contact: Tim Pockette (RE)*

Rutland City 2108(1) S, VT. 2009. Chief Inspector. The project involved paving 2.2 miles of a center city area with heavy traffic and high local community interest. Work included cold planing, leveling paving course, wearing course, guardrail, vehicle detector loops, new signs, drainage, highway markings, etc. *Client: (VAOT); Contact: Tim Pockette (RE)*

Bennington-Shaftsbury BHF MEMB (3), VT. 2009. Chief Inspector. The project involved bridge membrane replacement on several bridges. *Client: VAOT; Contact: Mark Mackintosh (RCE)*

Rutland- Fair Haven BHF MEMB (2), VT. 2009. Chief Inspector. The project involved bridge membrane replacement on several bridges. *Client: VAOT; Contact: Mark Mackintosh (RCE)*

Proctor HPP ABRB 6, VT. 2007; 2008. Inspector. *Client: VAOT; Contact: Mark Mackintosh (RCE)*

Manchester STP 2203 1, VT. 2008. Chief Inspector/Office Engineer. The project involved paving 3.8 miles of a center city area with heavy traffic and high local community interest. Work included cold planing, leveling paving course, wearing course, guardrail, vehicle detector loops, new signs, drainage, highway markings, etc. *Client: VAOT; Contact: Mark Mackintosh (RCE)*

Manchester Dorset NH 2608 (1) S, VT. 2008. Inspector. *Client: VAOT; Contact: Mark Mackintosh (RCE)*

Bennington Bypass, Bennington, VT. 2007-2008. Inspector. The work included the full construction of a section of limited access highway. The project included two bridges, one over East Road and a long structure over Furnace Brook and the river valley. Sample quantities included 142,500 cm of common earthwork, 3,800 cm of solid rock excavation, 12,500 cm of excavation of surfaces and pavements, 628,000 kg of curved plate girders steel, and 42,000 kg of high-performance concrete. Work that was performed included grading, drainage, subbase, and pavement Furnace Brook bridge, East Road Bridge, Route 7 drainage swale, rock slope removal, Exit 2 of Route 7, & Stage 1 material deposit sites. *Client: VAOT; Contact: Mark Mackintosh (RCE)*

Vermont Railroad Reconstruction, Charlotte-Vergennes, VT. 2006. Inspector. The project involved inspection of the force account work to reconstruct grade crossings and replace rail with continuous welded rail. *Client: VAOT; Contact: Mark Mackintosh (RCE)*

Wallingford-Rutland Town NH2408 (1) S, VT. 2006. Chief Inspector/Office Engineer. The project involved inspection of the milling and paving of Route 7 including guardrail, striping, and signs. *Client: VAOT; Contact: Mark Mackintosh (RCE)*

Route 7 Paving Wallingford-Rutland Town, VT. 2005. Inspector. The project involved inspection of the milling and paving of about 7 miles of state highway. *Client: VAOT; Contact: Mark Mackintosh (RCE)*

Route 7 Signal and Left Turn Lane Construction. Clarendon, VT. 04/05-08/05. Inspector. The project involved construction of a new signalized intersection with the construction of a left turn lane for southbound traffic on Route 7 to turn onto Southbound Route 103. *Client: VAOT; Contact: Mark Mackintosh (RCE)*

Route 103 Paving, Mt. Holly - Ludlow, VT. 07/04 - 12/04. Chief Inspector/Office Engineer. The project involved milling, paving, safety appurtenances, and maintenance and protection of traffic on this 9-mile project. *Client: VAOT; Contact: Mark Mackintosh (RCE)*

Route 9 Realignment Road/Bridge Project, Searsburg-Wilmington, VT. 05/02-07/04. Inspector. The project was a $20M reconstruction project including three multi-span river bridges, 3.5 miles of roadway relocation, utility relocation, new wetland construction, and culvert project with many sensitive environmental permits and issues. There was no reasonable detour, so construction progressed under heavy traffic. The community was deeply involved, and a special public relations office was established. Mr. Boyle inspected new multi-span bridge construction including drilled shafts, spread footing foundations, abutments, walls (earth and concrete), earthwork, Superpave paving, drainage, and guardrail. *Client: VAOT; Contact: Mark Mackintosh (RCE)*

Route 103 Paving East Clarendon, East Wallingford, VT. 06/01-07/02. Inspector. The project involved milling, paving, safety appurtenances, and maintenance and protection of traffic on this 8-mile project. *Client: VAOT*

Route 7A, Arlington, Vermont Bridge Rehabilitation, Arlington, VT. 04/01+. Inspector. The project involved the rehabilitation of the bridge including one-way traffic signals for traffic management, deck replacement, paving, striping, and maintenance and protection of traffic (MPT). *Client: VAOT*

Route 30, Manchester Vermont Bridge Rehabilitation, Manchester, VT. 04/01-11/01. Inspector. The project involved the rehabilitation of the bridge including one-way traffic signals for traffic management, deck replacement, paving, striping, and MPT. *Client: VAOT*

Route 30 Paving Pawlet, Wells, VT. 05/01-09/01. Inspector. The project involved milling, paving, safety appurtenances, and maintenance and protection of traffic on this 8-mile project. *Client: VAOT*

# Tucker Bumps
Technician V

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector

**EDUCATION:**
*AE/2013/Civil and Environmental Engineering Technology, Vermont Technical College, Randolph, VT*

**REGISTRATIONS/CERTIFICATIONS:**
*ACI Concrete Field-Testing Technician, Grade I – 2021*
*ATSSA Registered Flagger – 2017*
*ATSSA Traffic Control Technician – 2017*
*Fall Protection Training – 2013*
*NETTCP HMA Paving Inspector – 2023 (Anticipated Recertification)*
*Nuclear Density Gauge*
*OSHA 10 Hour*

**YEARS WITH FIRM:** *5-1/2*
**TOTAL YEARS EXPERIENCE:** *10*

## Professional Profile

Mr. Bumps has experience working in the construction industry as a Resident Engineer, Chief Inspector, and Inspector both for GPI and VAOT. He also worked as a laborer on bridge repair and rehabilitation projects prior to that. His inspection duties have been on a variety of projects including paving, reclaiming, ledge stabilization, and bridge projects.

Mr. Bumps is proficient in Site Manager, the Microsoft Office suite of software, Bluebeam Revu, DocExpress, Citrix, and surveying using total stations and GPS.

Mr. Bumps worked as a Resident Engineer, Chief Inspector, or Inspector on the projects listed below.

Resident Engineer. Responsible for the administration and inspection throughout construction of the project. As Resident Engineer, he ensured the project was constructed according to the contract documents and that all materials were in conformance with the specifications. All work must be accomplished in accordance with all safety and environmental regulations. He served as the single point of contact for all project matters during construction.

Chief Inspector. Responsible for the administration, engineering, and inspection of the project. As Chief Inspector, he was accountable for survey, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included. As Chief Inspector, he delegated duties to the Inspector(s) and the Office Engineer.

Office Engineer. Responsible the administrative work for this contract. As Office Engineer, he was responsible for project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, Monitoring certifications and sampling, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights payroll issues.

Inspector. Responsible for providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. He was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. He was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

Greenman-Pedersen, Inc. 08/14-05/19; 04/22+.

Brattleboro-Newfane STP 2940(1). Windham County, VT 09/22-Present. Chief Inspector. This project on VT Route 30 began in the Town of Brattleboro, at Mile Marker 0.326 (just north of the intersection of VT 30 and Cedar St.) and extended north for 9.948 miles (52,526.08 ft) and ended at Mile Marker 1.597 in Newfane (just past the intersection of VT 30 and Hemlock Hill Rd). Work performed for this project included full depth pavement reclamation, minor horizontal and vertical alignment modifications, pavement markings, guardrail, signs, rockfall hazard site improvement, and other highway related items. *Client: VAOT; Chad Greenwood (RE)*

Wilmington - Brattleboro NH 2971(1), Windham County, VT. 04/22-Present. Chief Inspector and Office Engineer. This project on VT 9 began at Wilmington Mile Marker 7.077 and extended easterly for 12.552 miles to Brattleboro Mile Marker 4.186. Work to be performed under this project included coarse milling, reclaiming the existing roadway, and paving with intermediate and wearing courses, pavement markings, guardrail, signs, drainage improvements, and other highway related items.

Jamaica – Winhall STP2904(1). 08/18-12/18 and 04/19-05/19. Chief Inspector. Scope of work in the first season of construction included installation of erosion control items, underdrain, culverts, and catch basins. *Client: VAOT; Chad Greenwood (RE)*

Halifax ER STP 013-1(19). 10/17-12/17. Inspector. Scope of work included replacement of the existing bridge and other highway and channel related items. *Client: VAOT; Chad Greenwood (RE)*

Bennington – Wilmington NH SURF(51). 08/17-08/18. Inspector. Scope of work included shoulder reconstruction, drop inlet and sewer manhole elevation adjustment, micro-milling, cold planing, paving with Type III and paver placed surface treatment Type C, line striping, and plug joints. *Client: VAOT; Chad Greenwood (RE*)

Hancock STP 2923(1), VT. 08/15-07/17. Inspector. The scope of work on this reclaim project included underdrain, culverts, headwalls, stone fill (Type I and II), reclaiming (initial and cement stabilized), paving (Type II base, Type IV shim, Type IV wear, side roads), and line striping. *Client: VAOT; Chris Lavalette (RE*)

Bridport STP CULV(29), VT. 05/15-07/15. Inspector. The scope of work on this precast box culvert project included excavation operations, cofferdam installation, maintenance of erosion control measures, backfill procedures, paving, temporary detour package, and guardrail installation. *Client: VAOT*

Brandon-Middlebury SURF(43), VT. 08/14-11/14. Inspector. The scope of work on this paving project included cold planing, crack sealing, paving operations, and line striping. *Client: VAOT*

New Haven WCRS(18), New Haven VT. 08/14-10/14. Inspector. The scope of work on this railroad bridge project included installation of silt fence and project demarcation fencing, installation of the temporary roadway, demolition of the existing rail bridge, and installation of the new. *Client: VAOT*

## Prior Firm Experience

Vermont Agency of Transportation, Construction and Materials Bureau, Berlin, VT. 05/19-04/22.

Wilmington - Brattleboro NH 2971(1), Windham County, VT. 09/21-04/22. Chief Inspector and Office Engineer. This project on VT 9 began at Wilmington Mile Marker 7.077 and extended easterly for 12.552 miles to Brattleboro Mile Marker 4.186. Work to be performed under this project included coarse milling, reclaiming the existing roadway, and paving with intermediate and wearing courses, pavement markings, guardrail, signs, drainage improvements, and other highway related items.

Whitingham STP FPAV(34), Windham County, VT. 04/21-01/22. Resident Engineer. This project on VT 100 began at Mile Marker 2.600 and extended northerly 5.510 miles to Mile Marker 8.110. Work performed for this project included fine-milling and paving the existing highway, guardrail, pavement markings, and other highway related items.

Townshend 015-1(27), Windham County, VT. 09/20-12/20. Resident Engineer. This IDIQ project entailed ledge removal and stabilization.

Londonderry - Chester STP PS 19(10). 09/19-09/20. Chief Inspector. This project on VT 11 begins at Londonderry Milemarker 1.952 and extends easterly for 14.006 miles to Chester Milemarker 4.373. Work to be performed under this project includes coarse milling, cold-in-place recycling, paving, new pavement markings, guardrail, signs, drainage, and other highway related items.

Jamaica – Winhall STP2904(1). 05/19-10/19. Chief Inspector. This project began on VT 30 at Jamaica MM 8.780 and extended northerly for a distance of 8.924 miles to Winhall MM 7.580. Work to be performed under this project included reclaiming the existing roadway and paving with intermediate and wearing courses, new curb installation, sidewalk reconstruction, guardrail, drainage improvements, pavement markings, and other highway relayed items.

State of Vermont (Bridge Team), Springfield VT. 05/13-08/14. Laborer. Mr. Bumps duties included installing and repairing expansion joints, bridge deck repairs, bearing seat replacement, concrete work (construction of forms, mixing, pouring, finish work), brush cutting, bridge inspection, bridge marking, truck and trailer experience, use of hand tools (pavement saw and jack hammer), rebar tying, and installing the sign package.

# Ben Cayer

Civil Engineer II

**PROPOSED PROJECT ASSIGNMENT**: Inspector

**EDUCATION:**

*BS/2013/Sustainable Design Technologies, Vermont Technical College, Randolph, VT*

*AE/2011/Civil and Environmental Engineering Technology, Vermont Technical College, Randolph, VT*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade I – 2022*

*NETTCP HMA Paving Inspector – 2023 (Anticipated)*

*OSHA 10 Hour*

**YEARS WITH FIRM:** *1*

**TOTAL YEARS EXPERIENCE:** *10*

## Professional Profile

Mr. Cayer has experience working as a construction inspector and Resident Engineer on road construction projects for the Vermont Agency of Transportation, municipalities, and private clients.

Mr. Cayer is proficient in AutoCAD Civil 3D, GPS, and total station surveying (Leica), Microsoft Office Tools, Adobe Acrobat, and Google Earth.

Chief Inspector. Responsible for the administration, engineering, and inspection of the project. As Chief Inspector, s/he was accountable for survey, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included. As Chief Inspector, s/he delegated duties to the Inspector(s) and the Office Engineer.

## Project Experience

Greenman-Pedersen, Inc. 03/22+.

Essex NH 033-1(26) and Essex-Colchester STP 0207(4), Chittenden County, VT. 06/22-11/22. Chief Inspector. Essex NH 033-1(26) – This project in the Town of Essex began at the intersection of VT Route 289 and VT Route 2A at Mile Marker 7.721 and extended easterly along VT Route 289 including all ramps for a distance of 4.133 miles to Mile Marker 11.854, the intersection of VT Route 289 and VT Route 117. Also, this project included on VT Route 2A in the Town of Essex beginning at the intersection of VT Route 289, On Ramp A at Mile Marker 2.485 and extended northerly along VT Route 2A for a distance of 0.225 miles to the intersection of VT Route 289, Off Ramp D at Mile Marker 2.710. Work performed for this project included coarse-milling, resurfacing existing highway with bituminous concrete leveling course and a wearing course, guardrail improvements, pavement markings, and other highway related items. Work includes mainline improvements as well as ramps at Exit 7, 9, 10, and 12. Essex-Colchester STP 0207(4) – This project on VT Route 2A in the Town of Essex began at the Class 1 limits at Mile Marker 1.093 and extended northerly a distance of 1.392 miles to the intersection of VT Route 289, On Ramp A at Mile Marker 2.485. The project resumed in the Town of Essex at the Intersection of VT Route 289, Off Ramp D at Mile Marker 2.710 and extended northerly along VT Route 2A for a distance of 3.195 miles to the Intersection of US Route 7 in the Town of Colchester at Mile Marker 2.405. The project resumed in the Town of Colchester at the intersection of VT Route 127 and US Route 7 at Mile Marker 0.000 and extended westerly for a distance of 0.116 miles to the intersection of VT Route 127 and VT Route 2A at Mile Marker 0.118. Work performed for this project included coarse-milling, resurfacing existing highway with a bituminous concrete leveling course and a wearing course, guardrail improvements, pavement markings, and other highway related items. *Client: VAOT; Kara Yelinek (RE)*

Richmond-Bolton STP 2924(1); Chittenden County, VT. 06/22-07/22. Inspector. This project on US Route 2 began at Richmond Mile Marker 0.000 and extended easterly a distance of 8.261 miles to Bolton Mile Marker 1.866. Work performed for this project included coarse-milling bituminous pavement, concrete subsurface slab removal, subbase, base course, intermediate course, and wearing course of pavement, correcting superelevation deficiencies, pavement markings, guardrail improvements, drainage improvements, culvert replacements, signs, traffic signal improvements, and other related highway items. *Client: VAOT; Josh Hulett (RE)*

Burlington HES 5000(18), Chittenden County, VT. 05/22-06/22. Inspector. This project located in the City of Burlington at the intersection of US 7 and Alternate US 7 starts at US 7 Mile Marker 1.085 and ends at Mile Marker 1.275 and Alternate US 7 Mile Marker 0.100. Work to be performed under this project includes construction of a new roundabout, minor realignment of the approaches, new landscaping, pedestrian and bicycle facilities, street lighting, and drainage. *Client: VAOT; Josh Hulett (RE)*

Williston STP SCRP(17), Chittenden County, VT. 05/22-06/22. Inspector. This project on VT Route 2A in the Town of Williston began at Mile Marker 3.938 and extended northerly for a distance of ~0.009 miles (45.00 ft) to Mile Marker 3.946. Work performed for this project included replacement of the existing culvert with a new 42" culvert, headwalls, channel stabilization, concrete sidewalk replacement, and other roadway related items. *Client: VAOT; Kara Yelinek (RE)*

GPI

North Hero-Grand Isle BHF 028-1(26), Grand Isle County, VT. 04/22-05/22. Inspector. This project on US 2 was for the replacement of Bridge 8. This drawbridge is a historic twin leaf bascule bridge and is the only moveable bridge in the State of Vermont. The contractor was required to build a temporary drawbridge prior to replacing the existing drawbridge, so that impacts to vehicular traffic were minimized. The project was contracted following the Construction Manager/General Contractor (CMGC) process. *Client: VAOT; Phil Harrington (RE)*

## Prior Firm Experience

Green Mountain Engineering, Williston, VT. 06/15-02/22. Resident Engineer/Engineering Technician. Mr. Cayer performed inspection on road construction, stormwater, water, and wastewater projects. He also performed surveying, project planning, AutoCAD drafting and design, and preparing as-built drawings. Some of the projects he worked on while employed by Green Mountain Engineering are listed below.

Town of Richmond, VT, Bridge Street Watermain Replacement, Final Design & Construction. Resident Engineer and CAD operator on Final Design Plans. Work performed under this project included 850-ft of watermain replacement, which included services, hydrants, and connections to existing infrastructure. Construction completed in 2021.

Town of Richmond, VT, Bridge Street Infrastructure Replacement, Final Design & Construction. Resident Engineer. Work performed under this project included 1,500-ft of watermain replacement and 650-ft of storm drain and structure replacement, which included services, hydrants, connections to existing infrastructure, jack and bore sleeve installation, catch-basins, and sidewalk and curb reconstruction. Construction completed in fall of 2020.

Town of Richmond, VT, New Potable Water Reservoir, Final Design & Construction. Resident Engineer. Work performed under this project included installation of a 750,000-gallon Cast-In-Place storage reservoir, which included installation of watermain and pre-cast block wall, and slope stabilization/final grading. Construction completed in 2018.

Town of Bristol, VT, West Street & Lovers Lane Infrastructure Improvements, Final Design & Construction. Resident Engineer. Work performed under this project included installation of approximately 4,000 feet of watermain improvements, as well as over 1,000 feet of storm drain upgrades, which included services, hydrants, connections to existing infrastructure, catch-basins, and sidewalk, curb, and roadway grading redesign. Construction completed in 2018.

Town of Richmond, VT, East Main Waterline Replacement, Final Design & Construction. Resident Engineer. Work performed under this project included replacement of approximately 5,400-LF of watermain on US 2, Pleasant Street, and Lemroy Court, which included services, hydrants, and connections to existing infrastructure. Construction was completed in May of 2017.

Clough Harbor Associates, South Burlington, VT. 06/13-08/13; 01/14-06/15. Survey Technician/Instrument Operator. Mr. Cayer worked as part of a two-man crew to complete planimetric, topographic, and boundary surveys, stakeout, and R8 GPS as-built survey for natural gas pipeline, keeping detailed notes and recording data, assisting with boundary research and evidence location.

Dubois & King, Randolph, VT. 11/13. Civil Engineering Technician (Temporary). Mr. Cayer assisted with dam removal survey by performing rodman duties, sediment probing, and drafting.

Trumbull-Nelson Construction Co., NH & VT & Savelberg Construction Co., Inc. 05/12-08/12. Intern. Mr. Cayer participated in a summer applied research internship program with two building contractors.

# Timothy J. Chase

Technician V

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector

**EDUCATION:**

*BS/1997/Construction Engineering Technology/Montana State University*

*AE/1991/Civil Engineering Technology/Vermont Technical College*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade I – 2022*

*NETTCP HMA Paving Inspector - 2021*

*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *3*

**TOTAL YEARS EXPERIENCE:** *33*

## Professional Profile

Mr. Chase has extensive experience as a construction inspector. Mr. Chase has experience working with VTrans on several projects as well as Municipal Assistance Bureau projects and commercial projects throughout his career. He has performed as Chief Inspector and Inspector for VTrans on multiple occasions plus a year at the VTrans Materials Acceptance Bureau as their Certifications Technician. Deeper into his past he has experience as a Project Manager with Pike Industries and a myriad of roles in commercial construction such as Superintendent, Assistant Superintendent, Mechanical Coordinator, Field Engineer with different commercial/institutional construction companies, and experience working with fiber optic.

Mr. Chase has served as a Chief Inspector and Office Engineer on the projects listed below.

Chief Inspector: As Chief inspector, Mr. Chase was responsible for the administration, engineering, and inspection of the project. As Chief Inspector, he was accountable for survey, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements, and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included. As Chief Inspector, he delegated duties to the Inspector(s) and the Office Engineer.

Office Engineer: As Office Engineer, Mr. Chase was responsible for the administrative work for this contract. As Office Engineer, he was responsible for project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications and sampling, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights payroll issues.

## Project Experience

Greenman-Pedersen, Inc. 03/20+.

Rockingham IM 091-1(76) and Rockingham IM 091-1(77); Windham County, VT. 04/22-11/22. Chief Inspector. Rockingham IM 091-1(76) – This project on Interstate 91 (Southbound) in the Town of Rockingham began at Mile Marker 36.160 and extended northerly a distance 0.208 miles to Mile Marker 36.368. Work performed for this project included solid rock excavation, rock drains, hand scaling, ditch work, traffic control crossovers, and other related highway related items. Rockingham IM 091-1(77) – This project on Interstate 91 (Southbound) in the Town of Rockingham began at Mile Marker 34.697 and extended northerly a distance of 0.360 miles to Mile Marker 35.057. Also, this project included work on Interstate 91 On Ramp A from VT Route 103 beginning at Mile Marker 0.000 and extended easterly 0.114 miles to On Ramp A at Mile Marker 0.114. Work performed for this project included clearing and grubbing, ditch work, hand scaling, rock dowels, wire mesh, and other highway related items. *Client: VAOT: Paul Perry (RE)*

Barre City STP 6000(30), Washington County, VT. 05/22-11/22. Chief Inspector. This project on Berlin Street began in Barre City at MP 7.05 and extended southerly a distance of 0.02 miles (106 ft) to MP 7.07. Work performed for this project included the reconstruction of the existing at-grade crossing surface, the installation of a grade crossing active warning system, site grading, and the upgrading of existing signing and markings on the highway approaches. *Client: VAOT: Paul Perry (RE)*

Chelsea-Thetford STP 2955(1), Orange County, VT. 05/21-11/22. Chief Inspector. This project on VT 113 began at Chelsea Mile Marker 0.000, the intersection with VT 110, and extended easterly for 14.824 miles to Thetford Mile Marker 0.805, the intersection with VT 224. Work performed under this project included reclaiming and/or coarse-milling segments of the existing highway, overlaying with intermediate and wearing courses, pavement markings, signs, guardrail and drainage improvements, and other highway related items. *Client: VAOT; Paul Perry (RE)*

Fairlee REW 4330D, Orange County, VT. 09/21-12/21. Chief Inspector. This project on the Connecticut River Line of the Washington County Railroad was located at approximate Mile Post 82.57. Work performed under this project included installing new drainage including a cross pipe under the existing rail bed, additional drainage structures, a stone lined outlet channel, earthwork, revegetation, and stabilization of slopes. *Client: VAOT: Paul Perry (RE)*

Royalton CMG PARK(27), Royalton, Windsor County, VT. 04/20-12/20. Chief Inspector/Office Engineer. This project was located on VT 107 approximately 1.898 miles from the Bethel Town Line. Work performed under this project included construction of a new park and ride facility including 91 parking spaces, pavement markings, signs, drainage, landscaping, lighting, a new bus shelter, and other incidental items. *Client: VAOT; Paul Perry (RE)*

Castleton STP 0161(35), Castleton, Rutland County, VT. 05/20-12/20. Chief Inspector/Office Engineer. This project began on VT 30 at MM 4.919 and extended northerly 0.049 miles to MM 4.968. Work performed under this ledge stabilization project included clearing and grubbing, hand scaling, dry mix steel fiber reinforced shotcrete, rock doweling, rock drains, a gabion wall, ditch work, and other related highway items. *Client: VAOT; Paul Perry (RE)*

West Rutland-Rutland STP FPAV(18)/West Rutland STPG SGNL(50), West Rutland and Rutland, Rutland County, VT. 03/20-12/20. Office Engineer. The West Rutland-Rutland paving project began on Business US 4 at MM 0.000 and extended easterly for 2.423 miles to the Rutland Town-Rutland City line. Work to be performed under this project included coarse milling, resurfacing with leveling and wearing courses, signal system improvements, pedestrian safety improvements, guardrail, pavement markings, other related highway items. The West Rutland signal project was at the intersection of Business US 4 and VT 4A. Work to be performed under this project included the removal of the existing signal system and the installation of new traffic signal mast arms and poles, signal controller cabinet, and other highway related items. *Client: VAOT; Paul Perry (RE)*

## Prior Firm Experience

Dubois & King, Inc. 2007-03/20.

Brandon, US 7 Reconstruction, VT. 2018-2020. Inspector. Mr. Chase is currently a construction inspector on this complete reconstruction of the 1.2-mile Class I section of US 7 in Brandon. Work performed under this project included full-depth reconstruction, reconstruct sideroads, sidewalks, parking areas, drainage, utility relocations, traffic signal, signs, and other highway related items.

South Burlington & Georgia, Reinforced Concrete Box Culverts, VT. Chief Inspector. Mr. Chase oversaw the installation of four box culverts under Interstate 89.

Braintree Slope Stabilization Project, VT. Chief Inspector. Mr. Chase oversaw this slope stabilization project.

Materials & Research Bureau, Materials Acceptance Unit, Berlin, VT. Certification Technician. Mr. Chase worked for a year as the certification technician which consisted of reviewing, processing, accepting/rejecting materials certifications for VTrans construction projects.

Barre City Railroad Bridge Rehabilitation Project, VT. Chief Inspector. Work performed under this project included the reconstruction of an abutment on a railroad bridge.

Barre City Main Street Reconstruction Project, VT. Inspector. Work performed under this 1.2-mile project on Main Street (US 302) included full-depth reconstruction, reconstruct sideroads, sidewalks, parking areas, drainage, water and sewer lines, underground utilities, traffic signals, signs, street lighting, and other highway related items.

E. F. Knapp Airport Improvement Project, Berlin, VT. Resident Engineer. Work performed under this project included constructing a parallel taxiway, repaving the crosswinds, updates to runway and taxiway lighting, as well as glideslope and threshold lighting, and drainage including detention ponds, catch basins and underdrain.

Dubois & King, Inc. 2007-2008. Construction Manager. Mr. Chase's construction manager responsibilities included managing multiple field inspectors, conducting constructability reviews, prepared bid documents, prepared advertisements for bid, issued bid documents, coordinated and ran pre-bid meetings, issued addenda, prepared bid tabulations, recommend award, issue notices of award, prepared construction agreements, led preconstruction meetings, reviewed and distributed submittals, led bi-weekly meetings, issued change orders, reviewed monthly pay applications, issued substantial completion certificates, prepared punch lists, issued final completion certificates, and filed closeout permits.

Henry Law Avenue Street Reconstruction, Dover, NH. 2007-2008. Construction Inspector.

Institutional/Heavy Commercial Construction. 08/04-12/07. Project Superintendent. New Haven Public Safety Facility & St. Albans Public Safety Facility. Responsible for overall project delivery, daily reports, subcontractor scheduling, procurement of materials, quality control and safety.

Lee Kennedy Company, Middlebury, VT. 2002-2004. Assistant Superintendent/Mechanical Coordinator. New Library and Dormitories at Middlebury College, a $53M project.

Barr & Barr, Inc., Hanover, NH. 01/01-04/02. Field Engineer - Baker Library Renovation and New Construction at Dartmouth College, a $50M project.

Jackson Construction, Hanover, NY. 08/99-01/01. Assistant Superintendent/Field Engineer. Whittemore Hall at Dartmouth College, a $14M project.

Pike Industries, Inc., NH & VT. 1997-1999. Project Manager. Mr. Chase managed various New Hampshire (DOT) and Vermont (VTrans) highway construction projects. Projects included paving, guardrail, ditching, drainage, landscaping, ledge blasting, line striping, signs, delineation posts, common excavation, earth borrow, seeding and mulching etc.

Vermont Agency of Transportation. 1990-1996. Construction Inspector. Summer Employment while attending college. Projects varied from constructing bridges to paving / safety projects throughout the State of Vermont.

# Tom Chase
Technician VII

**PROPOSED PROJECT ASSIGNMENT**: Resident Engineer

**EDUCATION:**
*AAS in Civil Engineering Technology, Vermont Technical College – 1985*

**REGISTRATIONS/CERTIFICATIONS:**
*ACI Concrete Field-Testing Technician, Grade I-2022*
*NETTCP HMA Paving Inspector-2021*
*NETTCP Drilled Shaft Inspector-2023 (Anticipated)*
*Nuclear Density Gauge*

**YEARS WITH FIRM:** *2*
**TOTAL YEARS EXPERIENCE:** *38*

## Professional Profile

Mr. Chase worked as an Engineering Technician for the Vermont Agency of Transportation's Construction Division for many years before joining GPI to continue his career as a Resident Engineer. He has skills in project management in the form of being a Resident Engineer on multiple projects of various types. His specialty is in structures but has experience in other areas of civil engineering such as paving projects, covered bridges, signals, and safety projects. He is a team player who is always looking out for what the Agency contract plans have called for. He has also been responsible for supervision of project staff. He has had state and consultant inspectors working under his supervision for 20 years. He has always considered the role of supervisor to be a mentor and a co-worker, not a boss. He has no problem stepping into the role of supervisor and providing constructive criticism. His greatest strength is his job experience. He has an excellent working relationship with many construction personnel on both sides of the contracting community.

Mr. Chase also served as a Regional Technician, which involved technical writing, data analysis, report writing, and many types of file management. The Regional Technician runs the bi-weekly estimate reports from all the projects in the region and reviews them for possible errors and is the first reviewer of any changes of design.

Mr. Chase is proficient with a multitude of software. Recently, he has become proficient in Blue Beam and the use of newer technology survey equipment, specifically a Hybrid GPS/Robotic total station.

Resident Engineer. Responsible for the administration and inspection throughout construction of the project. As Resident Engineer, s/he ensured the project was constructed according to the contract documents and that all materials were in conformance with the specifications. All work must be accomplished in accordance with all safety and environmental regulations. S/he served as the single point of contact for all project matters during construction.

## Project Experience

Greenman Pedersen, Inc. 03/21+.

CMSR001-600 (NE), Northeast Region, VT. 03/22+. Subject Matter Expert. Tom Chase is serving as a Subject Matter Expert for the development of the Vermont Agency of Transportation's new Construction Management System. Tom is reviewing deliverables from the consulting firm who is building the system. *Client: VAOT; Seth Hisman (RCE)*

Stockbridge-Rochester STP FPAV(42); Windsor County, VT. 07/22-10/22. Resident Engineer. This project on VT Route 100 in the Town of Stockbridge began at Mile Marker 1.967 and extended northerly for 9.201 miles to Mile Marker 6.055 in the Town of Rochester. Work performed for this project included fine-milling and resurfacing the existing highway, guardrail improvements, drainage improvements, pavement markings, and other related highway items. *Client: VAOT; Seth Hisman (RCE)*

Sharon IM 089-1(64), Windsor County, VT. 03/21-11/22. Resident Engineer. This project on Interstate 89 was for the rehabilitation of Bridges 17 Northbound and Southbound at Mile Marker 14.5. Work performed for this project included removal and replacement of the existing bridge wearing surface, approach slabs, and bridge expansion joints, structural steel repairs, abutment repairs, isolated deck and pier repairs, full bridge cleaning and painting, and related approach work. *Client: VAOT; Seth Hisman (RCE)*

Hartland BF 0153(1), Windsor County, VT. 08/21-10/21. Resident Engineer. This project in the Town of Hartland was on VT 12 for Bridge No. 3 over Lulls Brook. This bridge is approximately 1.4 miles north of the VT 12/US 5 intersection. Work performed for this project included construction of a new concrete deck with related roadway approach work. Traffic had been maintained with one lane of alternating traffic on the existing bridge but was closed to vehicular and pedestrian traffic during the construction of the new deck. *Client: VAOT; Seth Hisman (RCE)*

## Prior Experience

Vermont Agency of Transportation, Construction Division, Berlin, VT. 05/85-03/21. Resident Engineer, Regional Technician, and Inspector. Mr. Chase started in May 1985 on a survey crew for the Rutland bypass. This was a four-mile limited access 4 lane highway. The second year he was promoted to crew leader. In 1989, he had his first assignment as Resident Engineer on a town highway relocation with a 16' multiplate. Through the 1990's, he was a RE on several small projects except for 1994-1995 when he was the

office engineer for a large interstate safety project. It was there that he developed most of his computer skills and file management ideas. In the late 1990s, he was tasked with developing a tracking system for construction. This system is still in use today. He also was part of the group that worked to implement Site Manager. When the idea of creating four construction regions with a regional technician, he was appointed to the position in the Southeast Region. He remained as the Regional Technician until the Spring of 2019. In 2007, he started taking on larger projects such as the Randolph Main Street bridge. He continued to be assigned to larger projects and at the same time managed smaller projects. He was the RE on seven paving projects, four covered bridge projects, twenty bridge projects, of which seven were accelerated bridge projects. He was also the RE on many miscellaneous projects like a couple of signal projects, several line-striping projects, and slope stabilization projects. In his last several years with Construction, he served as a Subject Matter Expert for the development of a new Construction Management System to replace Site Manager.

Dubois & King, Inc., Randolph, VT. 06/83-08/84. Surveyor. Mr. Chase worked on a survey crew during the summers while he was attending college.

# Zachary Cook
Technician V

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector

**EDUCATION:**
*AE/2007/Civil and Environmental Engineering Technology, Vermont Technical College*

**REGISTRATIONS/CERTIFICATIONS:**
*ACI Concrete Field-Testing Technician, Grade 1 – 2021*
*NETTCP Concrete Inspector–2023 (Anticipated)*
*NETTCP HMA Paving Inspector – 2022*
*NETTCP Soils and Aggregate Inspector–2019*
*Nuclear Density Gauge*
*OSHA 10*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *2*
**TOTAL YEARS EXPERIENCE:** *15+*

## Professional Profile

Mr. Cook has experience in design, construction inspection, and as a materials liaison. Mr. Cook is very knowledgeable about Vermont Agency of Transportation specifications and construction practices.

Resident Engineer: As the Resident Engineer, Mr. Cook was responsible for the administration and inspection throughout construction of the project. He ensured the project was constructed according to the contract documents and that all materials were in conformance with the specifications. He also ensured that all work was accomplished in accordance with all safety and environmental regulations. He served as the single point of contact for all project matters during construction. In addition to his RE duties, Mr. Bohn was responsible the administrative work for the contract, including project record compilation and documentation, entering Daily Work Reports, writing change orders and written orders, monitoring certifications and sampling, maintaining concrete and weather logs, and monitoring civil rights issues.

Chief Inspector: As the Chief Inspector, he was responsible for the administration, engineering, and inspection of the project. As Chief Inspector, he was accountable for survey, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements, and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included. As Chief Inspector, he delegated duties to the Inspector(s) and the Office Engineer.

Office Engineer: As Office Engineer, he was responsible for the administrative work for this contract. As Office Engineer, he was responsible for project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications and sampling, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights payroll issues.

Inspector: As an Inspector, he was responsible for providing direct inspection of the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. He was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. He was also tasked with the documentation of the Contractor's activities including measurement, calculation, and reporting of all pay items.

Mr. Cook served as a Resident Engineer, Chief Inspector, Office Engineer, and Inspector on the projects listed below.

## Project Experience

Greenman-Pedersen, Inc. 04/21+

Rockingham IM 091-1(76) and Rockingham IM 091-1(77); Windham County, VT. 10/22-11/22. Inspector. Rockingham IM 091-1(76) – This project on Interstate 91 (Southbound) in the Town of Rockingham began at Mile Marker 36.160 and extended northerly a distance 0.208 miles to Mile Marker 36.368. Work performed for this project included solid rock excavation, rock drains, hand scaling, ditch work, traffic control crossovers, and other related highway related items. Rockingham IM 091-1(77) – This project on Interstate 91 (Southbound) in the Town of Rockingham began at Mile Marker 34.697 and extended northerly a distance of 0.360 miles to Mile Marker 35.057. Also, this project included work on Interstate 91 On Ramp A from VT Route 103 beginning at Mile Marker 0.000 and extended easterly 0.114 miles to On Ramp A at Mile Marker 0.114. Work performed for this project included clearing and grubbing, ditch work, hand scaling, rock dowels, wire mesh, and other highway related items. *Client: VAOT: Paul Perry (RE)*

Chelsea-Thetford STP 2955(1), Orange County, VT. 09/22-11/22. Inspector. This project on VT 113 began at Chelsea Mile Marker 0.000, the intersection with VT 110, and extended easterly for 14.824 miles to Thetford Mile Marker 0.805, the intersection with VT 224. Work performed under this project included reclaiming and/or coarse-milling segments of the existing highway, overlaying with intermediate and wearing courses, pavement markings, signs, guardrail and drainage improvements, and other highway related items. *Client: VAOT; Paul Perry (RE)*

Hartland-Norwich IM 091-1(84), Windsor County, VT. 04/22-09/22. Chief Inspector. This project on Interstate 91 (Northbound and Southbound) began at Mile Marker 66.20 in the Town of Hartland and extended northerly a distance of 4.61 miles to Mile Marker 70.81. It resumed at MM 71.062 and extended north 4.19 miles to MM 75.252 in the Town of Norwich. Work performed for this project

included fine-milling, surface preparation involving patching, pothole repair, crack sealing, overlaying with a thin bituminous surface treatment, pavement markings, guardrail improvements, and other related highway items. *Client: VAOT; Contact: Jay Strong (RE)*

Hartford STP PC21(4)/ Woodstock NH PC21(5)/Woodstock STP PC21(3), Windsor County, VT. 05/21-12/21. Chief Inspector. Hartford STP PC21(4) – This project began on VT 14 in the Town of Hartford starting at Mile Marker 0.000 and extended northerly 1.477 miles to Mile Marker 1.477. It also included a section of US 4 beginning at Mile Marker 9.354 and extended easterly 0.230 miles to Mile Marker 9.584. Work performed for this project included coarse milling, resurfacing with leveling and wearing courses, signs, drainage rehabilitation, removal of overhead signs and structures, traffic signal upgrades, pavement markings, and other related highway items. Woodstock NH PC21(5) – This project began on US 4 in the Village of Woodstock starting at Mile Marker 5.623 and extended easterly 1.356 miles to Mile Marker 6.244. It also included a section of US 4 Westbound beginning at Mile Marker 6.059 and extended easterly 0.185 miles to Mile Marker 6.244. Work performed for this project included coarse milling, resurfacing with leveling and wearing courses, signs, drainage rehabilitation, pavement markings, and other related highway items. Woodstock STP PC21(3) – This project began on VT 106 in the Village of Woodstock starting at Mile Marker 6.553 and extended northerly 0.678 miles to Mile Marker 7.231. It also included a section of VT 12 beginning at Mile Marker 0.007 and extended northerly 0.714 miles to Mile Marker 0.721. Work performed for this project included coarse milling, resurfacing with leveling and wearing courses, signs, drainage rehabilitation, pavement markings, and other related highway items. *Client: VAOT; Contact: Jay Strong (RE)*

## Prior Firm Experience

Dubois & King, VT. 2009-2020. Technician. Mr. Cook was working on the design of private and municipal infrastructure projects, construction inspection of municipal projects and VTrans projects, and as a materials liaison on VTrans projects.

Addison Community Wastewater System, Addison, VT. 08/20-11/20. Resident Engineer. This project consisted of construction of a shared on-site mound and sewer collection system for multiple town buildings. Mr. Cook was responsible for construction inspection, review of pay requests, and generating as-built drawings.

Proctor C6 – South Park Street Water Improvements, Proctor, VT. 03/20-07/20. Resident Engineer. This project consisted of installation of 2,500-LF of water main replacement and residential services. Mr. Cook was responsible for construction inspection, conducting bi-weekly meetings, review of pay requests, and generating as-built drawings.

Brandon Segment 6 Project, Brandon, VT. 03/19-03/20. Inspector. This project consisted of the full-depth reconstruction of US 7 through the Village of Brandon. Mr. Cook's responsibilities were the primarily the inspection of the full depth reconstruction, the storm drainage replacement, and the water and sewer service installations.

Vermont Agency of Transportation, Materials, Berlin, VT. 03/16-03/19. Materials Liaison. Mr. Cook was responsible for reviewing contract plans and documents to generate a list of material testing and certification requirements for each project he was assigned. He also monitored and identified unsatisfied material requirements with field staff.

Woodstock ER NH 0241(4), Woodstock, VT. 07/15-11/15. Inspector & Office Engineer. Resident Engineer. This was a slope stability and streambed reconstruction project on VT 12. Mr. Cook was responsible for construction inspection,

Andover BHF 016-1(29), Andover, VT. 03/15-07/15. Inspector/Office Engineer. This was an accelerated bridge project on VT 11.

Waterbury Roundabout, Waterbury, VT. 06/14-03/15. Inspector & Office Engineer. This project consisted of construction of a roundabout at the intersection of US 2 and VT 100.

Hyde Park STP EH05(26), Hyde Park, VT. 03/14-06/14. Resident Engineer. This project consisted of 935-LF of sidewalk construction on Depot Street.

Vermont Agency of Transportation, District 4, Various Locations, VT. 2012-2013. Mr. Cook evaluated multiple sites damaged by Tropical Storm Irene for repairs. Field measurements were taken for quantity and cost estimates for slope stability and roadway reconstruction at over 40 sites in District 4. Construction was also performed on multiple sites.

Back River Road/Royalton Turnpike Road/Broad Brook Road, Royalton, VT. 09/11-02/12. Inspector. This was a slope stability project for the Town of Royalton. Mr. Cook was responsible for daily inspection activities and quantity calculations for FEMA funded Tropical Storm Irene Repairs.

Salisbury Square, Randolph, VT. 04/11-08/11. Inspector. Part time inspection for a private sector housing development with full depth infrastructure and full-time inspection for water and sewer system construction and service lines.

VT 100 Corridor Survey, Rochester and Killington, VT. 06/10-01/11. Surveyor. 16 miles of corridor survey for VTrans.

Willis Consulting Engineers, VT. 2007-2009. Technician. Mr. Cook was responsible for designing residential wastewater disposal systems and various infrastructure projects. His other duties included soil testing, surveying, drafting using AutoCAD, and potable water design and permit applications.

# Travis Corbett

Technician V

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector

**EDUCATION:**

*BS/2015/Business Management –Colorado State University*
*AS/2002/Technical Studies/Vermont Community College*
*US Army, Grafenwoeher, Germany / Diploma / Primary Leadership Development*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Tech Grade 1-2021*
*NETTCP Concrete Inspector-2015*
*NETTCP Driven Pile Inspector-2022*
*NETTCP HMA Paving Inspector-2021*
*NETTCP Soils & Aggregate Inspector-2015*
*Nuclear Density Gauge*
*OSHA 10 – 2020*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *4*
**TOTAL YEARS EXPERIENCE:** *10*

## Professional Profile

Mr. Corbett has several years of VAOT construction inspection experience on a variety of projects including rail trail, bridge, reclaim, and paving projects. Mr. Corbett also brings excellent attention to detail and communication skills with his experience. Seven years of honorable service in the US Army helped him hone his direct communication style and team building skills. Mr. Corbett has several years of GPS survey experience utilizing both Trimble and TopCon GPS systems. Mr. Corbett served as a Chief Inspector or Inspector on the projects listed below.

Chief Inspector: As Chief Inspector, Mr. Corbett was responsible for the administration, engineering, and inspection of the project. As Chief Inspector, he was accountable for surveys, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements, and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included. As Chief Inspector, he delegated duties to the Inspector(s) and the Office Engineer.

Inspector: As an Inspector, Mr. Corbett was responsible for providing direct inspection of the performance of the work by the contractor and aiding in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 04/19+.

Swanton-St Johnsbury STP LVRT(12), Cambridge, Fletcher, Bakersfield, Fairfield, and Sheldon, Lamoille and Franklin Counties, VT. 01/22-02/23. Chief Inspector. This project on the Lamoille Valley Rail Trail began at the intersection of North Main Street in the Town of Hardwick and extended westerly 12.44 miles to VT 15A in the Town of Morrisville. Work to be performed under this project included construction of trail surface, clearing, ditching, installation of culverts, signing, and miscellaneous structure repairs and bridge modifications including decking and railing installation. *Client: VAOT; Jeff Cota (RE)*

Swanton-St Johnsbury STP LVRT(11), Cambridge, Fletcher, Bakersfield, Fairfield, and Sheldon, Lamoille and Franklin Counties, VT. 04/22-11/22. Chief Inspector. This project on the Lamoille Valley Rail Trail began in the Town of Cambridge at the intersection with VT 109 and extended westerly 18.38 miles to Bridge Street in the Town of Sheldon. Work to be performed under this project included construction of trail surface, clearing, ditching, installation of culverts, signing, and miscellaneous structure repairs and bridge modifications including decking and railing installation. *Client: VAOT; Jeff Cota (RE)*

Swanton-St Johnsbury STP LVRT(10), Walden, Hardwick, Greensboro, Wolcott, Bakersfield, & Fairfield, Caledonia, Orleans, Lamoille, & Franklin Counties, VT. 11/21-08/22. Chief Inspector. This project on the Lamoille Valley Rail Trail included Bridge A27 in Walden, Bridge 34 in Hardwick, Bridge 35 in Greensboro, Bridge 48 in Wolcott, Bridge 77 in Bakersfield, and Bridges 80 and 83 in Fairfield. Work to be performed under this project included the demolition of existing bridges, construction of new pedestrian bridges, addition of stone riprap, signing, installation of railings, and minor trail approach work. *Client: VAOT; Jeff Cota (RE)*

Swanton-St Johnsbury STP LVRT(13), Danville, Walden, Hardwick, Stannard, & Greensboro, Caledonia & Orleans Counties, VT. 11/21-11/22. Chief Inspector. This project on the Lamoille Valley Rail Trail began at the western approach of the intersection of Channel Drive in West Danville and extended westerly 17.85 miles to the eastern approach with Maple Street in Hardwick. Work to be performed under this project included construction of trail surface, clearing, ditching, installation of culverts, signing, miscellaneous structure repairs and bridge modifications including decking and railing installation. *Client: VAOT; Jeff Cota (RE)*

Swanton-St Johnsbury STP LVRT(9), Highgate & Sheldon, Franklin County, VT. 10/20-06/21. Chief Inspector. This project on the Lamoille Valley Rail Trail began at the intersection with the Missisquoi Valley Rail Trail in Sheldon and extended westerly 6.29 miles to Gore Road in Highgate Center. Work to be performed under this project included construction of trail surface, clearing, ditching, installation of culverts, signing, miscellaneous structure repairs and bridge modifications including decking and railing installation. *Client: VAOT; Jeff Cota (RE)*

Enosburg BF 0283(42) & Berkshire STP SCRP(23), Franklin County, VT. 04/21-10/21. Inspector. Enosburg BF 0283(42) – This project on VT 118 was for the replacement of Bridge 24 located 1.71 miles southeasterly from the intersection with VT 105. Work

performed on this project included removal and replacement of the existing bridge with a cast-in-place concrete slab bridge on integral abutments along with related channel and approach work. Traffic was maintained on a two-way temporary detour. Berkshire STP SCRP(23) – This project on VT 118 was for the replacement of a 6' by 6' concrete box culvert with a 4'by 8' precast concrete box structure, located 1.2 miles easterly from the intersection with VT 105. Work performed on this project included removal and replacement of the existing concrete box along with related channel and approach work. Traffic was maintained on a two-way temporary detour. *Client: VAOT; Jeff Cota (RE)*

Troy-Newport STP FPAV(43), Orleans County, VT. 08/21-10/21. Chief Inspector. This project on VT 100 began at Troy Mile Marker 2.591 and extended easterly 4.64 miles to Newport Mile Marker 4.109. Work to be performed under this project included fine-milling and resurfacing the existing highway, guardrail improvements, pavement markings, and other highway related items. *Client: VAOT; Ryan Corkins (RE)*

Swanton-St Johnsbury STP LVRT(9), Swanton and Sheldon, Franklin County, VT. 10/20-06/21. Chief Inspector. This project on the Lamoille Valley Rail Trail began at the intersection with the Missisquoi Valley Rail Trail in Sheldon and extended westerly 6.29 miles to Gore Road in Highgate Center. Work to be performed under this contract included construction of trail surface, clearing, ditching, installation of culverts, signing, miscellaneous structure repairs, and bridge modifications including decking and railing installation. *Client: VAOT; Jeff Cota (RE)*

Swanton-St Johnsbury STP LVRT(8), Swanton and Highgate, Franklin County, VT. 10/20-12/20. Chief Inspector. This project on the Lamoille Valley Rail Trail began at the intersection with Gore Road in Highgate Center and extended westerly 3.88 miles to Robin Hood Drive in Swanton. Work to be performed under this contract included construction of trail surface, clearing, ditching, installation of culverts, signing, and installation of guardrail. *Client: VAOT; Jeff Cota (RE)*

Georgia BF 023-1(7), Franklin County, VT. 07/20-10/20. Chief Inspector. This project was for the replacement of Bridge 1 over Arrowhead Mountain Lake on VT 104A. The existing bridge was removed, and the new bridge was constructed on the existing alignment. The existing bridge was 74-ft long and 23-ft wide while the new structure was 94-ft long and 28-ft wide, rail to rail. It consisted of precast abutments and approach slabs, precast prestressed deck panels, and metalized girders. The project also included approach and channel work including widening the causeway to a 28-ft typical. *Client: VAOT; Chris Achilles (RE)*

Statewide RRE W004, Morristown & Bakersfield, Lamoille & Franklin, Counties, VT. 04/20-07/20. Chief Inspector. This project was on the Lamoille Valley Rail Trail in the towns of Morristown and Bakersfield. Work to be performed under this project included construction of trail surface, rebuilding stone culverts, installation of culverts, clearing, ditching, and slope repairs. *Client: VAOT; Jeff Cota (RE)*

Montpelier WACR(7), Washington County, VT. 03/20-04/20. Chief Inspector. This project on the Washington County Railroad was for the rehabilitation of Bridge 304 over the North Branch of the Winooski River at MP 1.28. Work to be performed under this project included the replacement of 28 stringers, repair of the steel floor beams and knee braces, and relocating timber stringer pedestal. The bridge is 151-ft long. This project on the Washington County Railroad was for the rehabilitation of Bridge No. 304 over the North Branch of the Winooski River at MP 1.28. Work to be performed under this project included the replacement of 28 stringers, repair of the steel floor beams and knee braces, and relocating timber stringer pedestal. The bridge is 151-ft in length. *Client: VAOT; Jeff Cota (RE)*

Essex NH 2931 (2) & Jericho-Richmond STP 2931 (1), Chittenden County, VT. 04/19-11/19. Inspector/Chief Inspector. Mr. Corbett started out the 2019 season as an Inspector, but he was given the duties of Chief Inspector when the previous Chief Inspector was needed on another project. Work on this project included cold planing, reclaiming with emulsion injection, correcting superelevation deficiencies, extensive GPS layout, resurfacing with base course of cold mix, intermediate and wearing courses of hot mix, pavement markings, guardrail, drainage, and other related highway items on 6.8 miles of VT117. *Client: VAOT; Josh Hulett, (RE)*

## Prior Firm Experience

Boswell Engineering, 2010-2011 & 2015-2018.

Essex NH 2931 (2) & Jericho-Richmond STP 2931 (1). 2018. Inspector. Work on this project included cold planing, reclaiming with emulsion injection, correcting superelevation deficiencies, extensive GPS layout, resurfacing with base course of cold mix, intermediate and wearing courses of hot mix, pavement markings, guardrail, drainage, and other related highway items on 6.8 miles of VT 117. *Client: VAOT; Josh Hulett (RE)*

Middlebury-Starksboro STP 2953(1). 2018. Inspector. This was a paving and road widening project. Mr. Corbett inspected roadway widening, paving, guardrail installation, and stone ditch construction. *Client: VAOT; Josh Hulett (RE)*

Charlotte FEGC 019-4(20). 2016-2017. Inspector. This was a complete roadway reconstruction/realignment project. Mr. Corbett inspected subgrade and subbase, multiple precast box culvert installations, guardrail, and sign installation, and completed interim and final project final section survey. *Client: VAOT; Bob Suckert (RE)*

Stowe BRF 0235(15). 2016. Inspector. This was a bridge replacement project where Mr. Corbett inspected the bridge construction including approach slabs, concrete deck milling, bridge rail, approach construction including new subbase, paving, guardrail, signs, landscaping, and line striping. *Client: VAOT; Bob Suckert (RE)*

Hartford STRB 15(06). 2015. Inspector. This was an emergency rail bridge replacement. Mr. Corbett inspected the existing rail bridge removal and new bridge construction. *Client: VAOT*

Statewide IMG MARK (115). 2015. Inspector. This was a line striping project on I-89, I-91, I-93, I-189, US 4, and Border Patrol stations that included both hand work and long line inspection. *Client: VAOT*

Colchester STP 5600 (12). 2015. Inspector. This was a bridge replacement project. Mr. Corbett inspected existing bridge removal, new bridge construction, and approach work including new subbase. *Client: VAOT*

Brandon NH 019-3 (495). 2010. Inspector. This was a roadway reconstruction project. Mr. Corbett inspected subgrade and subbase installation as well as storm water lines and structures, underdrain, new sewer line, and new water line installation. *Client: VAOT; Tim Pockette (RE)*

## Other Firms

Claims Verification Inc., Williston, Vermont. Special Investigator, 2011-2014. Mr. Corbett conducted insurance fraud investigations to include Worker's Compensation, liability, and automobile claims as well conducted complex subrogation investigations. Investigations required conducting interviews, taking recorded statements, performing scene investigations, record searches, background checks, and conducting surveillance.

Vermont Wholesale Building Products, Williston, Vermont. Outside and Inside Sales, 2006-2010. Mr. Corbett expanded the customer base by establishing new accounts while maintaining relationships with existing customers for a wholesale specialty lumber distributor. Strong customer support skills. Purchasing and receiving experience. Conducted product seminars and product presentations at customer trade shows.

International Business Machines, Essex Junction, Vermont. Maintenance Technician. 1999-2006. Mr. Corbett performed required repairs and scheduled preventative maintenance on numerous electro-mechanical and pneumatic silicon wafer handlers and test machines in a semiconductor manufacturing environment.

U.S. Army, Camp Casey Korea, Fort Riley Kansas, Baumholder Germany, Bosnia-Herzegovina. Section Leader/Team Leader/Infantryman. 1991-1998. Five years of leadership experience during seven years of honorable service. Mr. Corbett led and supervised the daily activities of a Mechanized Infantry Squad. He trained squad members in tactics, security, marksmanship, equipment utilization, safety procedures, first aid, and physical fitness. He counseled subordinates on job performance and career growth.

# David Cormany

Technician V

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector

**EDUCATION:**

*AS/1996/Construction Practice & Management, Vermont Technical College*

**REGISTRATIONS/CERTIFICATIONS:**

*AASHTO T2 Sampling of Aggregates*
*ACI Concrete Field-Testing Technician, Grade 1 – 2018*
*Fall Hazard Training per Section 1926.503*
*First Aid/CPR/AED*
*NETTCP Concrete Inspector – 2023 (Anticipated Recertification)*
*NETTCP HMA Paving Inspector – 2022*
*NETTCP Driven Pile Inspector – 2020*
*Nuclear Density Gauge*
*OSHA 10-Hour*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *6*
**TOTAL YEARS EXPERIENCE:** *24*

## Professional Profile

Mr. Cormany is a highly motivated, skilled Construction Inspector and Project Manager/Estimator. He has supported the Construction Division of the Vermont Agency of Transportation on various road, bridge, and rail project assignments including inspection and plan review for many years. Mr. Cormany is also proficient in Timberline Estimating Software. Mr. Cormany served as the Chief Inspector and/or Office Engineer on the projects listed below.

Chief Inspector: As a Chief Inspector, he was responsible for the administration, engineering, and inspection of the project. Duties included survey including initial project control, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities; monitoring field operations, verifying field measurements, coordinating sampling, traffic control, safety issues, public meetings, and general communication and documentation duties. As Chief Inspector, he also delegated duties to the inspector(s) and the Office Engineer.

Office Engineer: As an Office Engineer, he was responsible for the administrative work for the projects which included, but was not limited to, project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications, sampling, and test results, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights issues.

## Project Experience

Greenman-Pedersen, Inc. 06/17+.

Pittsford-Brandon NH FPAV(49), Rutland County, VT. 06/22-10/22. Chief Inspector. This project on US Route 7 in the Town of Pittsford began at Mile Marker 2.879 and extended northerly for a distance of 5.322 miles (28,100.16 ft) to Mile Marker 0.610 in the Town of Brandon. Work performed for this project included fine-milling and resurfacing the existing highway, spot shimming and surface prep, pavement markings, guardrail improvement, drainage improvements, and other related highway items. *Client: VAOT; Chris Williams (RE)*

Pittsford NH 019-3(491), Rutland County, VT. 03/20-10/21. Chief Inspector. This project began on US 7 at MM 1.350 and extended northerly 1.405 miles to MM 2.755. Work to be performed under this project included the removal and disposal of the existing concrete roadway, realignment, widening, full depth reconstruction, grading, drainage, relocation of aerial utilities, construction of three bridges (#106, #107, and #107A) using precast concrete structures, paving, and other related highway items. *Client: VAOT; Chris Williams (RE)*

Rutland WCRS(23) C/3, Rutland WCRS(23) C/4, and Rutland VTRY(49), Rutland County, VT. 06/20. Chief Inspector. The WCRS(23) C/3 project was located in Rutland City between Forest Street and Scale Avenue. The project began approximately 30-ft east of Forest Street and extended 2,290-ft. Work to be performed under this project included surface and line improvements to the existing siding tracks, new rail crossings, and realignment of the southern leg of the wye. The WCRS(23) C/4 project was located in the City of Rutland, approximately 60-ft north of Park Street and extended northerly approximately 532-ft. Work to be performed under this project included installation of ballast, ties, and track on top of a partially constructed subbase. This work was in anticipation of the need for additional train storage for Rutland Rail Yard operations. The new siding track was approximately 500-ft long and was placed west of the existing main line. The VTRY(49) project was located in Rutland City between Forest Street and Scale Avenue. The project began approximately 30-ft east of Forest Street and extended 2,290-ft. Work to be performed under this project included removal and replacement of three existing turnouts. GPI was responsible for the construction inspection on this project. *Client: VAOT; Jace Curtis (RE)*

Brandon-Goshen ER STP 0162(22), Rutland and Addison Counties, VT. 07/18-11/19. Chief Inspector. This project was a 7.5 mile reclaim project on VT 73. Work to be performed included reclaiming the existing roadway and paving with a cold-mixed recycled pavement, leveling, and wearing courses of hot mix, drainage improvements, guardrail, signs, pavement markings, and other highway related items. *Client: VAOT; Ryan Darling (2018) & Chris Barker (2019) (RE)*

Cavendish-Shrewsbury NH 2975(1), VT. 04/18-07/18. Chief Inspector/Office Engineer. This was a rail crossing project. *Client VAOT; Chris Williams (RE)*

Rutland-Burlington VTRY(9), Leicester VTRY(13), Vergennes VTRY(14), VT. 06/17-07/18. Chief Inspector/Office Engineer. This rail project included traffic maintenance, welded rail, ties, turnouts, and ballast. *Client: VAOT; Chris Williams (RE)*

## Previous Experience

J. Hutchins, Inc., Richmond, VT. 2014-2016. Project Manager/Estimator. Mr. Cormany was the sole estimator and manager of all VTRANS projects (± $ 4M annually) for J. Hutchins. In his role he developed and executed bid proposals, communicated and negotiated with vendors and subcontractors, managed and organized project set up in the field, located approved staging and waste sites, communicated and negotiated with property owners, attended preconstruction conferences and networked with outside contractors/vendors, procured materials, scheduled timely material deliveries to project sites, coordinated immediate material needs per field requests, communicated and negotiated with Resident Engineers and Designers, obtained material certifications, insured Digsafe requirements were in place, maintained, organized, and analyzed project documentation, quantity tracking, quantity recording, and implemented change orders.

EIV Technical Services, Williston, VT. 1999-2014. Chief Inspector/Inspector. Scopes for these projects included, but were not limited to asphalt paving, cold planing, reclaimed stabilized base, bridge construction and rehabilitations (pre-cast slab, concrete/steel girder and timber superstructures), pile driving, drainage improvements, guardrail, signs, pavement markings, pedestrian improvements, traffic signals, blasting, railroad crossing construction, utility relocation, curb and sidewalk, environmental and safety compliance, material sampling and testing, daily work reports, and generation of contractor bi-weekly estimates.

Vermont *Agency of Transportation Projects Included: (Abbreviated List):*

- Bristol BRF 021-1(13)
- Castleton BHF 015-2(8)
- Castleton TH3 9340
- Fair Haven STP 9719(1)S
- Fair Haven-Hampton, NY BRO 1443(32)
- Fair Haven-Rutland Rt. 4 NH 9727(1)S
- Fair Haven-West Haven STP 9734(1)S
- Leicester AC BRF 0160(3)S
- Middlebury STP 2627 (1)
- Poultney BRZ 1443 (25)
- Proctor-Pittsford BHO 1443 (37)
- Rochester BRZ 1444(20)
- Rochester ST 0162 (11)
- Rochester-Granville AC STP 2124(1)S
- Rupert-Pawlet STP 2133(1)S
- Rutland-Killington Rt. 4 NH 9809 (1)S
- Salisbury-Middlebury NH 2311 (1)S
- Whiting-Middlebury STP 2629 (1)

EIV Technical Services, Williston, VT. Quality Assurance Engineer. Mr. Cormany identified issues, analyzed problems, and provided solutions during the construction design and planning process. He assisted VTRANS in reviewing roadway and bridge plans through all design phases up to the construction bid process, and schedule analysis (CPM)/Contractor progress verification: Barre City FEGC F 026-1(34) C/2.

*Projects Included (abbreviated list):*

- Ripton FH 010-1(42)
- East Haven BHF 0269(11)S
- Woodstock BHO 144(52)
- Bloomfield-Lemington STP 2610
- Addison-New Haven STP 9632(1)
- Castleton-West Rutland STP 2702
- Newbury-St. Johnsbury IM 091-2
- Statewide CMG Park (34)
- Waterbury IM 089-1(59)
- Cambridge-Fairfax STP 2713(1)
- Springfield BRO 1442(26)
- Chittenden STP 1443 (45)
- Newport City BRO 1449(25)
- Stratton TH3 0103
- Jericho STP FTBR (3)
- Colchester STP 5600 (12)

Tropical Storm Irene Emergency Response 2011

- He supported VTrans in its response to the transportation damage caused by Tropical Storm Irene.
- He helped audit contractor invoicing, coordinate logistics, and worked with FEMA staff to estimate the costs to repair damage at specific project sites.

Tropical Storm Irene Project Site Areas Included (Abbreviated List):

Brattleboro VT 100, Whitingham, VT 100, Halifax VT 112, Readsboro VT 100, Bennington VT 9, Bennington VT 7A, Wilmington VT 9, and Marlboro VT 9.

# Scott Darling
Technician V

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector

**EDUCATION:**
*1994-96/Civil Engineering Technology/Hudson Valley Community College*

**REGISTRATIONS/CERTIFICATIONS:**
*ACI Concrete Field-Testing Tech Grade I-2023 (Anticipated Recertification)*
*Hazmat-2017*
*NETTCP Concrete Inspector-2020*
*NETTCP HMA Paving Inspector-2020*
*Nuclear Density Gauge*
*OSHA 10-Hour*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *7*
**TOTAL YEARS EXPERIENCE:** *24*

## Professional Profile

Mr. Darling has many years of experience, including assignments on major highway and bridge construction projects. He has served in the capacity of an Inspector and Chief Inspector for the VAOT, NYSDOT and NYSTA. By virtue of this experience, he is knowledgeable with each of these agencies' standards and procedures. He has also performed on-site concrete material tests in accordance with ACI and ASTM standards.

On the following projects Mr. Darling has served in as a Resident Engineer, Chief Inspector, and Inspector.

Resident Engineer: As a Resident Engineer, he was responsible for the administration and inspection throughout the construction of a project. He ensured the project was constructed according to the contract documents and that all materials were in conformance with the specifications. Duties included ensuring that all work was accomplished in accordance with all safety and environmental regulations. He served as the single point of contact for all project matters during construction.

Chief Inspector: As a Chief Inspector, he was responsible for the administration, engineering, and inspection of the project. Duties included survey including initial project control, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities; monitoring field operations, verifying field measurements, coordinating sampling, traffic control, safety issues, public meetings, and general communication and documentation duties. As Chief Inspector, he also delegated duties to the inspector(s) and the Office Engineer.

Inspector: As an Inspector, he was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 04/99-10/01; 05/19+.

Brattleboro-Newfane STP 2940(1), Windham County, VT 09/22-10/23. Inspector. This project on VT Route 30 began in the Town of Brattleboro, at Mile Marker 0.326 (just north of the intersection of VT 30 and Cedar St.) and extended north for 9.948 miles (52,526.08 ft) and ended at Mile Marker 1.597 in Newfane (just past the intersection of VT 30 and Hemlock Hill Rd). Work performed for this project included full depth pavement reclamation, minor horizontal and vertical alignment modifications, pavement markings, guardrail, signs, rockfall hazard site improvement, and other highway related items. *Client: VAOT; Chad Greenwood (RE)*

Chester-Springfield STP 2942(1), Chester-Springfield STP PS19(4), & Springfield STP PS19(5), Windsor County, VT. 04/21-08/22. Chief Inspector. Chester-Springfield STP 2942(1) – This project on VT 10 began at Chester Mile Marker 0.009, the intersection with VT 103, and extended easterly 4.341 miles to Springfield Mile Marker 0.833, the intersection with VT 106. Work performed under this project included hot-in-place recycling and paving of the existing highway, guardrail, signs, pavement markings, and other highway related items. Chester-Springfield STP PS19(4) – This project on VT 11 began at Chester Mile Marker 5.201, the intersection with VT 103, and extended easterly 6.663 miles to Springfield Mile Marker 3.527, the beginning of the Class 1 highway. The project resumed at Springfield Mile Marker 6.349 and extended easterly 1.815 miles to Springfield Mile Marker 8.164. Work performed under this project included fine-milling, hot-in-place recycling and paving of the existing highway, rail-highway grade crossing, guardrail, signs, pavement markings, and other highway related items. Springfield STP PS19(5) – This project on VT 106 began at Springfield Mile Marker 0.060 and extended northerly 3.224 miles to Springfield Mile Marker 3.284, the intersection with VT 10. Work performed under this project included fine-milling, hot-in-place recycling and paving of the existing highway, guardrail, signs, pavement markings, and other highway related items. *Client: VAOT; Chad Greenwood (RE)*

Queen City Parkway Reclaim, Burlington, Chittenden County, VT. 10/20-11/20. Resident Engineer. This was a municipally managed project on Queen City Parkway for the City of Burlington. The project began at the intersection of Home Avenue and ended at Central Avenue at the bridge over the Vermont Railway. Work to be performed under this project included cold-planing, full-depth reclamation,

paving, changing elevations of catch basins, water valves, and sewer manholes, driveway aprons, guardrail, signs, environmental protection measures, and other related highway items. *Client: City of Burlington, VT; Corey Mims, Primary Contact*

Manchester-Dorset STP PS19(9), Bennington County, VT. 06/20-10/20. Chief Inspector. The project began on VT 30 at Manchester MM 0.322 and extended northerly 7.680 miles to Dorset MM 5.209, the Dorset-Rupert town line. Work to be performed under this paving project included coarse milling, resurfacing with leveling and wearing courses, pavement markings, guardrail, signs, centerline rumble strips, and other related highway items. GPI provided construction inspection for this project. *Client: VAOT, Chad Greenwood (RE)*

Jamaica-Winhall STP 2904(1), Windham and Bennington Counties, VT. 08/19-11/19. Inspector. This 8.9-mile paving on VT 30 included reclaiming the existing roadway and paving with intermediate and wearing courses, new curb installation, sidewalk reconstruction, guardrail, drainage improvements, pavement markings, and other highway relayed items. *Client: VAOT; Chad Greenwood (RE)*

Manchester STP 2970(1) & Manchester STP BP 15(5), Manchester, Bennington County, VT. 05/19-07/19. Inspector. The Manchester STP 2970(1) project included 5 miles of VT 7A and 1.6 miles of VT 11. Work to be performed included cold planing and paving with leveling and wearing courses, a highway-railroad grade crossing reconstruction and rail signal improvements, drainage improvements, stop bar detection, pedestrian signal system modifications, signs, pavement markings, and other highway relayed items. The Manchester STP BP(15) project included 0.6 miles of Depot Street (VT 11/30, TH 3). Work to be performed included construction of new curbs and drainage features; installation of green strips including landscaping; reconstruction of sidewalk sections to meet ADA requirements; installation of street lighting conduit, bases, poles, luminaires, and electrical meters, and incidental construction features. *Client: VAOT; Chris Williams (RE)*

## Prior Firm Experience

Boswell Engineering. Inspector and Chief Inspector for the VAOT, NYSDOT & NYSTA. 2010-05/19. NYSDOT Pavement Maintenance SFY. 06/18-05/19. Inspector.

NYS DOT Pavement Maintenance Multiple Sites in Greene, Albany, Rensselaer, & Saratoga Counties. 06/18-05/19. Inspector and Chief Inspector. This project consisted of cold planing, pressure relief cuts, paving, line striping, and installation of SHARDS and CARDS. In addition to his inspector, he completed necessary reports in Site Manager on a daily basis. *Client: NYSDOT, Kazi Allen (EIC)*

VTrans US 2/VT 12 Montpelier Paving Project. 04/17-12/17. Inspector. This project consisted of cold planing, drainage structure and sewer manhole rehabilitation, ADA compliant sidewalk ramp construction, paving, and line striping. *Client: VAOT; Scott Wheatley, RE*

VTrans US 2/VT 12 Northfield Paving Project and US 7/VT 36, VT 38 Swanton Paving Project. 04/16-12/16. Chief Inspector. This project consisted of cold planing, drainage structure and sewer manhole rehabilitation, removal of existing sidewalks and curb and installation of new ADA compliant sidewalk ramps, paving, and line striping. *Client: VAOT; Chris Barker (RE)*

VTrans US 5 Randolph Bethel Reclaim Project and VT 12A Randolph-Roxbury Reclaim Project. 04/15-11/15. Chief Inspector. This project consisted of cold planing, reclaiming existing subbase, new subbase material and establishing new road elevations, stone fill type I, guardrail, ledge removal, underdrain, and erosion control items. *Client: VAOT; Chris Barker (RE)*

VTrans, VT 107, Stockbridge – Bethel Reclaim Project: 04/14-11/14. Inspector. This project included cold planing, reclaiming existing subbase, new subbase and establishing new road elevations, ledge removal, underdrain, Type I stone fill, cold mix recycled bituminous pavement, Portland cement stabilization, Superpave bituminous concrete pavement, new signs, durable pavement markings, guardrail, new traffic signals, and rehabbing existing drainage structures. *Client: VAOT; Chris Barker (RE)*

VTrans, VT 12/ VT 131 Ascutney-Weathersfield Reclaim Project. 04/13-11/13. Inspector. This project included cold planing, reclaiming existing subbase, new subbase and establishing new road elevations, Portland cement stabilization, ledge removal, underdrain, Type I stone fill, cold mix recycled bituminous pavement, Portland cement stabilization, Superpave bituminous concrete pavement, new signs, durable pavement markings, guardrail, new traffic signals, and rehabbing existing drainage structures. *Client: VAOT; Chris Barker (RE)*

VTrans, LTF, Manchester Roundabout Project. 04/12-01/13. Inspector. The project included complete rebuild of the Main Street area including sewer, water, stormwater, placing all utilities underground, removal of the existing concrete roadway, new sidewalks, curbs, and lighting. This project also included the construction of two roundabouts: the first at the intersection of VT 30 and VT 7A and the second at the intersection of VT 11, VT 30, and VT 7A. This work also included the removal of a section of a 100-year-old dry laid marble arch, the excavation and placement for over 90-ft of new precast arch tying it to the marble arch, and then constructing the roundabout over the top of the new bridge system. *Client: Town of Manchester, VT; Jayson Waysville (RE)*

VTrans. Tropical Storm Irene Flood Repairs: Killington, Woodstock, Hartford, Sharon, Cavendish, Weathersfield, Wardsboro and Jamaica. 08/11-12/11. Inspector. The project consisted of repairing and rebuilding the roads damaged by Tropical Storm Irene including keeping track of all quantities of materials used; equipment and manpower of the contractors; photo documentation, using GPS coordinates for documentation of all work being done as per FEMA requirements; and composing daily reports. *Client: VAOT; Chris Barker (RE)*

VTrans, I-91 Hartford/Norwich Paving Project. 08/11. Inspector. This project consisted of ditching, shoulder berm removal, stone ditches, and guardrail. *Client: VAOT; Chris Barker (RE)*

VTrans, Brattleboro/Guilford US-5 Paving Project. 05/11-08/11. Inspector. This project consisted of ditching, rehabbing drop inlets, guardrail, paving, new signs, cold planing, and asphaltic plug joints. *Client: VAOT; Chris Barker (RE)*

VTrans. Brattleboro/Putney Paving Project/Brattleboro US-5. 05/10-12/10; 04/11-06/11. Inspector. This project consisted of cold planing, paving leveling and wearing courses, guardrail, ditching, drainage structure rehabs and changing elevation of CB's; new concrete sidewalk and curb, asphalt plug joints on bridges, pavement markings; and signs. *Client: VAOT; Chris Barker (RE)*

VTrans, Hartford VT-14/US-4 Reconstruction Project and US 5 Wilder-Norwich Paving Project. 04/09-12/09. Inspector. This project consisted of cold planing, paving leveling and wearing courses, rehabbing and replacing drainage structures, new curb and handicap ramps, guardrail, asphalt plug joints, and line striping. *Client: VAOT; Chris Barker (RE)*

VTrans, Bridgewater/Woodstock US 4 Road Reconstruction. 04/08-12/08. Inspector. This project consisted of cold planing, paving, granite curb, new sidewalk and handicap ramps, drainage inlet and sewer manhole rehab and elevation adjustments, new drainage manholes and drainage pipes, ditching, guardrail, and pavement markings. *Client: VAOT; Chris Barker (RE)*

VTrans, Hartford VT-5 Reconstruction. 11/07/12/07. Inspector. This project consisted of paving and installation of drainage structures. *Client: VAOT; Chris Barker (RE)*

VTrans, Killington/Bridgewater US 4 Paving Project. 07/07-10/07. Chief Inspector. This project consisted of cold planing, guardrail, paving, signs, asphaltic plug joints, and pavement markings. *Client: VAOT; Chris Barker (RE)*

VTrans, VT 103 Ludlow-Chester. 05/07-07/07. Inspector. This project consisted of reclaiming, cold planing, ditching, paving, guardrail, asphaltic plug joints, and line striping. *Client: VAOT; Chad Greenwood (RE)*

VTrans, VT 14 – Hartford/Royalton. 04/06-12/06. Inspector. This project consisted of paving, cold planing, guardrail, rehabilitating and changing elevation of drainage inlets, line striping, and ditching. *Client: VAOT; Chris Barker (RE)*

VTrans, I-89 Paving – Hartford/Sharon. 04/05-11/05. Inspector. This project consisted of paving, cold planing, asphalt plug bridge joints, structural concrete bridge deck repair, guardrail, raising and lowering of drainage inlets and cleaning of culverts, and ditching. *Client: VAOT; Chris Barker (RE)*

VTrans, I-91 Paving – Brattleboro/Rockingham. 04/04-11/04. Inspector. This project consisted of paving, cold planing, asphalt plug bridge joints, structural concrete bridge deck repair, guardrail, raising and lowering of drainage inlets, and cleaning of culverts and ditches. *Client: VAOT; Chris Barker (RE)*

NYSDOT, Avenue L, Queensbury, NY. 04/03-11/03. Inspector. This project consisted of water main and hydrant relocation, erosion control measures, retaining walls, drainage structures, culvert installation, slip lining of culvert, full depth roadway excavation, paving, line striping, seeding, and mulching.

VTrans, Brookfield-Montpelier Paving. 04/02-11/02. Inspector. This project consisted of paving, cold planing, asphalt plug bridge joints, guardrail, raising and lowering of drainage inlets, and cleaning of culverts and ditches. *Client: VAOT; Chris Barker (RE)*

Greenman-Pedersen, Inc. Inspector. 04/99-10/01.

Various Projects for NYS Thruway Authority, Castleton Bridge, Massachusetts Department of Capitol Asset Management (DCAM) – Asset Inspection Project. 04/01-10/01. Inspector.

VTrans, US 7 Bennington-Manchester. 04/00-11/00. Inspector. This project consisted of cold planing, paving, drainage improvements, guardrail, signs, and pavement markings. *Client: VAOT; Mark Mackintosh (RE)*

VTrans, South St, Bennington Reconstruction. 04/99-11/99. Inspector. *Client: VAOT; Chris Barker (RE)*

# Anthony DeChance

Civil Engineer III

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector

**EDUCATION:**

*BS/2019/Civil Engineering Technology/SUNY Polytechnic Institute of Technology*

*AAS/2017/Civil Engineering Technology/Hudson Valley Community College*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Tech Grade 1 – 2019*

*HAZWOPER 40*

*NETTCP Concrete Inspector – 2020*

*NETTCP Driven Pile Foundation Inspector – 2021*

*NETTCP HMA Paving Inspector – 2020*

*OSHA 10*

*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *4*

**TOTAL YEARS EXPERIENCE:** *6*

## Professional Profile

Mr. DeChance has several years of experience working on a variety of construction projects with several different Resident Engineers. The projects have included paving, reclaim, and bridge replacements.

Mr. DeChance worked as a Chief Inspector or Inspector on the following projects.

Chief Inspector: As a Chief Inspector, he was responsible for the administration, engineering, and inspection of the project. Duties included survey including initial project control, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities; monitoring field operations, verifying field measurements, coordinating sampling, traffic control, safety issues, public meetings, and general communication and documentation duties. As Chief Inspector, he also delegated duties to the inspector(s) and the Office Engineer.

Inspector: As an inspector, his responsibilities included providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. He was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. He was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 05/19+.

St Albans IM SWFR(2), Franklin County, VT. 05/22-11/22. Chief Inspector. This project on Interstate 89 began at Mile Marker 112.57 and extended northerly 2.29 miles to Mile Marker 114.86. Work performed for this project included construction o0f sand underdrain, drainage structures, and gravel wetlands in the median of Interstate 89 and at the Exit 19 Southbound On Ramp. *Client: VAOT; Chris Lavalette (RE).*

North Hero-Grand Isle BHF 028-1(26), Grand Isle County, VT. 01/22-02/22. Inspector. This project on US 2 is for the replacement of Bridge 8. This drawbridge is a historic twin leaf bascule bridge and is the only moveable bridge in the State of Vermont. The contractor was required to build a temporary drawbridge prior to replacing the existing drawbridge, so that impacts to vehicular traffic were minimized. The project was contracted following the Construction Manager/General Contractor (CMGC) process. *Client: VAOT; Phil Harrington (RE)*

Enosburg BO 1448(45), Franklin County, VT. 03/21-10/21. Chief Inspector. GPI provided construction inspection services for this project. This project in the Town of Enosburg was for the replacement of Bridge 50 over Tyler Branch on East Bakersfield Road. Work performed under this project included the removal and replacement of the existing bridge with a composite superstructure of a cast-in-place concrete deck and steel plate girders. The substructures consisted of pile sockets drilled into ledge encased by cast-in-place concrete for one abutment and a cast-in-place footing and stem founded on ledge for the other abutment. The project also included related approach and channel work. Traffic was maintained on a detour that had been in place since the existing bridge was closed to traffic. *Client: VAOT; Chris Lavalette (RE)*

Bakersfield STP SCRP(11), Franklin County, VT. 10/20-10/21. Chief Inspector in 2021 and Inspector in 2020. This project is located on VT 108 began 0.22 miles south of the intersection with VT 36 and extended northerly through the Village of Bakersfield for a distance of 0.653 miles, to a point 150-ft north of the intersection with Egypt Road (TH 20). Work performed under this project included coarse-milling, full depth reclamation and resurfacing, correcting profile and superelevation deficiencies, installation of new drainage, curb, sidewalk, and other related highway items. GPI was responsible for the construction inspection on this project. *Client: VAOT; Chris Lavalette (RE)*

Hinesburg HES 021-1(19), Chittenden County, VT. 06/20-10/20. Inspector. Project scope included improvements to intersection of VT 116, TH 1, and TH 7 by widening the road to add left-turn lanes. The project began at VT 116 MM 5.324 and extended northerly 0.275 mile to MM 5.600. Work performed under this project included full depth widening of VT 116, Shelburne Falls Road, and CVU Road, with new pavement, subbase, drainage, guardrail, four precast concrete box culverts, traffic signals, and other related highway items. *Client: VAOT; Chris Lavalette (RE)*

GPI

New Haven-Bristol STP PS19(8), Addison County, VT. 03/20-10/20. Chief Inspector. The New Haven-Bristol paving project began on VT 17 at New Haven MM 3.455, the intersection of VT 17 and US 7, and extended easterly for 4.340 miles to Bristol MM 0.599, the intersection of Vt 17 and VT 116. Work to be performed under this project included coarse milling, resurfacing with leveling and wearing courses, signs, guardrail, drainage, pavement markings, centerline rumble strips, and other related highway items. The New Haven-Bristol paving project began on VT 17 at New Haven MM 0.000 (Panton-Vergennes Town Line) and continued northerly for 2.189 miles to MM 2.189 (Vergennes-Ferrisburgh Town Line). Another section began on VT 22A and continued easterly on the Ferrisburgh State Highway for 0.666 miles to MM 0.666. Work to be performed under this project included coarse milling, resurfacing with leveling and wearing courses, signal system improvements, pedestrian safety improvements, guardrail, pavement markings, other related highway items. The Bristol project began on VT 116 at MM 6.006 and continued northerly 1.230 miles to MM 7.236. Work to be performed under this project included coarse-milling, resurfacing with leveling and wearing courses, guardrail, drainage, removal and resetting of curbing, removal and replacement of sidewalks, imprinted sidewalk, paver bands and light poles, ornamental pedestrian streetlights, and other highway related items. GPI performed the construction inspection on this project. *Client: VAOT; Chris Lavalette (RE)*

Vergennes STP PC20(1)/Bristol STP PC20(2), Addison County, VT. 03/20-11/20. Inspector. The Vergennes project began on VT 22A at MM 0.000 (Panton-Vergennes Town Line) and continued northerly for 2.189 miles to MM 2.189 (Vergennes-Ferrisburgh Town Line). Another section began on VT 22A and continued easterly on the Ferrisburgh State Highway for 0.666 miles to MM 0.666. Work to be performed under this project included coarse milling, resurfacing with leveling and wearing courses, signal system improvements, pedestrian safety improvements, guardrail, pavement markings, other related highway items. The Bristol project began on VT 116 at MM 6.006 and continued northerly 1.230 miles to MM 7.236. Work to be performed under this project included coarse-milling, resurfacing with leveling and wearing courses, guardrail, drainage, removal and resetting of curbing, removal and replacement of sidewalks, imprinted sidewalk, paver bands and light poles, ornamental pedestrian streetlights, and other highway related items. GPI performed the construction inspection on this project. *Client: VAOT; Chris Lavalette (RE)*

Colchester IM 089-3(69), Chittenden County, VT. 05/19-12/19. Inspector. This project included the replacement of the deck and railings on Bridges 76 (NB&SB) and 77 (NB&SB) on I-89. The decks were replaced using Accelerated Bridge Construction methods. The new decks were constructed using full width precast deck panels placed in 8-ft length segments. The project also included minor substructure repairs and other highway related items. *Client: VAOT; Chris Lavalette (RE)*

Essex STP 5400 (7), Chittenden County, VT. 05/19-06/19. Inspector. This project consisted of the installation of new traffic signals, mast arms, road widening, cold planing, paving and additional items, at the VT 2A / VT 289 ramp / Susie Wilson Road intersection and the VT 2A / VT 289 off ramp intersection in Essex. *Client: VAOT; Chris Lavalette (RE)*

## Prior Firm Experience

New York State Department of Transportation. 05/18-12/18. Transportation Construction Inspector III. Responsibilities included Inspected work for conformance with plans and specifications, ensured proper work zone traffic control, responsible for submitting daily work reports to the EIC, estimated quantities for progress payments, conducted ACI concrete tests, supervised nuclear gauge testing, evaluated shop drawings for project conformance, conducted tail gate safety meetings, and developed drawings for record plans.

- Route 825 Reconstruction in Rome, NY
- Route 10 and Route 29 Cold in Place Recycling in Palatine Bridge, NY
- Traffic Signal replacement in Whitestown, NY and Marcy, NY

New York State Thruway Authority. 05/16-08/16 & 05/17-08/17. Transportation Construction Inspector II. Responsibilities included inspecting work for conformance with plans and specifications, ensured proper work zone traffic control, responsible for submitting daily work reports to the EIC, estimated quantities for progress payments, conducted ACI Concrete Tests.

- Sawkill Road Bridge Reconstruction in Kingston, NY
- Culvert Replacement and Rehabilitation from Kingston, NY to Amsterdam, NY
- Route 295 Bridge Rehabilitation in East Chatham, NY

# Robert P. Dixon

Technician V

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade 1-2021*
*ATSSA Traffic Control Supervisor-2016*
*ATSSA Traffic Control Technician -2016*
*Fall Protection OSHA 1926.500 Basic Level 1*
*NACE Level III (Peer Review)-2021*
*NETTCP Concrete Inspector-2021*
*NETTCP Driven Pile Inspector-2021*
*NETTCP HMA Paving Inspector-2019*
*NICET Highway Construction Inspection Level III - 2021*
*Nuclear Density Gauge*
*OSHA 30-Hour*
*SSPC Bridge Coatings Inspector Program (BCI)*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *24*
**TOTAL YEARS EXPERIENCE:** *32*

## Professional Profile

Mr. Dixon is an experienced inspector with an understanding of construction planning and control. His experience encompasses a wide variety of construction projects as a Chief Inspector, Coatings Inspector, Office Engineer, and Inspector. Mr. Dixon served as Chief Inspector, Office Engineer, or Inspector on the projects listed below.

Chief Inspector: As Chief Inspector, Mr. Dixon was responsible for the administration, engineering, and inspection of the project. He was accountable for survey, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements, and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included. As Chief Inspector, he delegated duties to the Inspector(s) and the Office Engineer.

Office Engineer: As an Office Engineer, he was responsible for the administrative work for the projects which included, but was not limited to, project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications, sampling, and test results, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights issues.

Inspector: As an Inspector, he was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 04/99+.

Clarendon VTRY(42), Manchester VTRY(43), Manchester VTRY(44), Wallingford VTRY(39), and Wallingford VTRY(4), Rutland County, VT. 08/22-08/23. Chief Inspector. Clarendon VTRY(42) – This project on the Vermont Rail System was for VTR Bridge 93 over an overflow at Mile Post 47.92. Work performed for this project included replacing the abutment backwalls, installing approach slabs, concrete repair, repairing truss members, rivet replacement, cleaning and painting portions of the superstructure, bearing rehabilitation, and associated track work. Clarendon VTRY(43) – This project on the Vermont Rail System was for VTR Bridge No.96 over an unnamed stream at Mile Post 50.49. Work performed for this project included repairing existing open deck steel through plate girder, replacing bearings, localized cleaning and painting, and minor substructure repairs. Clarendon VTRY(44) – This project on the Vermont Rail System was for VTR Bridge No.98 over an unnamed stream at Mile Post 51.26. Work performed for this project included repairing existing open deck steel through plate girder, replacing bearings, localized cleaning and painting, and minor substructure repairs. Wallingford VTRY(38) – This project on the Vermont Rail System was for VTR Bridge No.87 over Homer Stone Brook at Mile Post 40.58. Work performed for this project included superstructure rehabilitation including stringer repairs, floor beam strengthening, painting strategic structure locations, rivet replacement, track work, and minor abutment concrete repair. Wallingford VTRY(40) – This project on the Vermont Rail System was for VTR Bridge No. 89 over Otter Creek at Mile Post 42.68. Work performed for this project included cleaning and painting portions of the superstructure, rivet replacement, abutment backwall replacement, partial seat replacements, installing riprap, and associated track works. *Client: VAOT; Chris Williams (RE).*

Manchester VTRY(27), Manchester VTRY(30), and Manchester VTRY(31), Bennington County, VT. 08/22-08/23. Chief Inspector. Manchester VTRY(27) – This project was on Vermont Rail System VTR Route Bridge No. 71 over the Batten Kill at Mile Post 23.60 in the Town of Manchester. Work performed for this project included strengthening the superstructure floor beams and stringers, cleaning and painting portions of the superstructure, replacing lateral bracing, replacing bridge bearings, replacing bridge seats and backwalls with precast concrete, repairing wingwalls, and related approach roadway and channel work. Manchester VTRY(30) – This project was on Vermont Rail System VTR Route Bridge No. 73 over the Batten Kill at Mile Post 25.71 in the Town of Manchester. Work performed for this project included strengthening the superstructure, removing deteriorated concrete in backwalls and wingwalls as appropriate and

repairing with new concrete, replacing existing tie spacer curbs, replacing rivets as needed, and related approach roadway and channel work. Manchester VTRY(31) – This project on the Vermont Rail System VTR Route Bridge No. 74 over the Batten Kill at Mile 26.20 in the Town of Manchester. Work performed for this project included rehabilitation of existing through girder span including cleaning and painting portions of the superstructure, rehabilitation of stringers and floor beams, repairs of abutment 1, and related approach roadway, and channel work. *Client: VAOT; Ross Peirce (RE)*

Montgomery STP DECK(40) C/2 and Montgomery STP DECK(47), Franklin County, VT. 04/22-11/22. Coatings Inspector. Montgomery STP DECK(40) C/2 – This project on VT Route 118 in the Town of Montgomery was for the replacement of Bridge 19 over the Trout River approximately 8.355 miles northerly of the Belvidere/Montgomery Town Line. The bridge is a three-span structure that is 177 feet long and 30 feet wide. Work performed for this project included the replacement of the existing bridge deck using conventional cast-in-place construction methods, new crash tested bridge railings, and related approach roadway and channel work. The new bridge deck will be continuous over the piers and has a greater load capacity than the existing deck. Montgomery STP DECK(47) – This project on VT Route 118 in the Town of Montgomery was for the replacement of Bridge 20 over West Hill Brook approximately 8.525 northerly of the Belvidere/Montgomery Town Line. The bridge is a three-span structure that is 127 feet long and 30 feet wide. Work performed for this project included the replacement of the existing bridge deck using conventional cast-in-place construction methods, new crash tested bridge railings, and related approach roadway and channel work. The new bridge deck will be continuous over the piers and has a greater load capacity than the existing deck. *Client: VAOT; Ryan Corkins (RE)*

Proctor BO 1443(54), Rutland County, VT. 04/21-11/21. Chief Inspector. This project on TH 11, North Street, was for the replacement of Bridge 3 over the Vermont Railway. Work performed for this project included replacement of the existing bridge with a superstructure consisting of a cast-in-place reinforced concrete deck on plate girders and a substructure consisting of cast-in-place abutment stems, precast footings, and cast-in-place sub-footings placed on bedrock. The typical bridge section included two 9-ft lanes with 3-ft shoulders and a 5.5-ft sidewalk. The project also included approach roadway work. Traffic was maintained on an offsite detour for a maximum of 90 days. A temporary pedestrian bridge was provided during construction. *Client: VAOT; Chris Williams (RE)*

Pittsford NH 019-3(491), Rutland County, VT. 09/20-11/20. Inspector. GPI provided construction inspection services for this project located in Rutland County that began on US 7 at MM 1.350 and extended northerly 1.405 miles to MM 2.755. Work to be performed under this project included the removal and disposal of the existing concrete roadway, realignment, widening, full depth reconstruction, grading, drainage, relocation of aerial utilities, construction of three bridges (#106, #107, and #107A) using precast concrete structures, paving, and other related highway items. *Client: VAOT; Chris Williams (RE)*

Fair Haven STP PC19(2), Poultney STP PC19(4), & West Rutland STP PC19(6), Rutland County, VT. 10/19-12/19 and 04/20-10/20. Chief Inspector. The Fair Haven project began on VT 22A at MM 1.098 Work to be performed under this project included coarse milling and paving with a leveling course and wearing course on 1.1 miles of VT Route 22A. Project also consists of new pavement markings, new signs, drainage rehabilitation, and reconstruction of an at-grade railroad crossing. This project was awarded in conjunction with Poultney STP PC19(4) and West Rutland STP PC19(6). he Fair haven STP PC19(2) project began on VT 22A at MM 1.098 and extended northerly for a distance of 0.410 miles to MM 1.508. It resumed on VT 22A at MM 1.538 and extended northerly for a distance of 0.697 miles to MM 2.235. Work to be performed under this project included coarse milling and paving with a leveling course and wearing course, new pavement markings, new signs, drainage rehabilitation, reconstruction of an at-grade railroad crossing, and other highway related items. The Poultney STP PC19(4) project began in the Village of Poultney on VT 30 at MM 4.193 and extended northerly for a distance of 0.693 miles to MM 4.886. There was also a section on VT 31 that began at MM 3.201 and extended northerly for a distance of 0.578 miles to MM 3.779. Work to be performed under this project included coarse milling and paving with a leveling course and wearing course, new pavement markings, new signs, drainage rehabilitation, and other highway related items. The West Rutland STP PC19(6) project began on VT 4A at MM 1.775 and extended easterly for a distance of 0.899 miles to MM 2.674. There was also another section on VT 131 that began at MM 0.700 and extended northerly for a distance of 1.022 miles to MM 1.722. Work to be performed under this project included coarse milling and paving with a leveling course and wearing course, new pavement markings, new signs, drainage rehabilitation, and other highway related items. *Client: VAOT; Chris Williams, Resident Engineer (RE)*

West Haven-Whitehall, NY BO 1443(51). 05/19-10/19. Chief Inspector. This bridge replacement project was located on TH 3 (Book Road) in West Haven and CR 10 in Whitehall, NY at the Vermont/New York border. Work to be performed under this project is the removal of Bridge 10, over the Poultney River, and replacement with a new steel plate girder and concrete superstructure and integral abutment substructures with precast pile caps. The project also includes associated channel work and approach work. The contractor is allowed a 56-day road closure. *Client: VAOT, Colin Judge (RE)*

Tappan Zee Bridge Replacement over the Hudson River [PIN 8TZ.100]; South Nyack, Tarrytown, NY. 03/18-05/19. Inspector. The project involved Quality Assurance and inspection services required to support the construction work. Mr. Dixon's responsibilities included being Team Leader and coordinator for the concrete inspection team in addition to performing the inspection of reinforcement installation, concrete placement, and curing, Rosphalt paving, and asphalt paving. As the Independent Quality Assurance Engineer for design and construction, GPI was responsible for providing a quality review of the work being performed and overseeing and/or performing quality audits of the Design-Builder's management, design and construction activities, the Design-Builder's Quality Control procedures,

Verification Sampling and Testing and the quality of the final product, utilizing ISO 9001 standards. *Client: Tappan Zee Constructors, LLC/ New York State Thruway Authority; Terry Towle, 914.789.3226*

Windsor-Hartford IM BPNT(13) Bridge Painting Projects, VT. 07/16-12/17. Chief Coatings Inspector/Office Engineer. This project included lead paint removal and coating applications on 11 interstate bridges. Mr. Dixon also took over the office engineer responsibilities on 8-4-17 on this project. *Client: VAOT, Paul Perry (RE)*

Bennington-Mt. Tabor BF BPNT(16), Bridge Painting Project, VT. 04/16-07/16. Chief Coatings Inspector. This project included lead paint removal and coating applications on multiple bridges. *Client: VAOT; Tim Pockette (RE)*

Rutland-Leicester FRT11 (024), Rutland-Burlington VTRY (5), VT. Inspector. 09/15-01/16. This project included 10 miles of rail replacement, in four segments, between Rutland, VT and New Haven, VT. The projects consisted of the replacement of jointed rail with continuously welded rail (CWR), thermite welding, cross tie replacement, reconstruction of several highway and private crossings, the replacement of several switches, and surfacing of track and switches. *Client: VAOT*

Castleton BRF 015-2(10), VT. 06/15-09/15. Inspector. This project was an accelerated bridge project which included a 28-day bridge closure. This project consisted of 2 phases. The first phase included the removal of the existing bridge that spanned the Clarendon and Pittsford Railroad, and the construction of a precast bridge. Construction activities included earthwork, subbase materials, precast footings, abutments, beams, deck, approach slabs, fine grading, paving, guard rail, signage and line striping. Phase 2 construction activities included lowering the rail bed at the bridge, remove/replace ballast, and timber ties. *Client: VAOT*

Enosburg BRO 1448(40), Swanton-Sheldon STP 2715(1), VT. 04/14-06/15. Inspector. The Enosburg project was an accelerated bridge project which included a 28-day bridge closure. The project included removal of a temporary Maybe bridge, earthwork, subbase materials, precast footings, abutments, beams and deck. The Swanton-Sheldon project was a 10-mile paving project involving shoulder widening, paving, slope stabilization, signage and line striping. *Client: VAOT*

SLSDC Eisenhower Lock Miter Gate Rehab, Massena, NY. 12/13-04/14 Chief Inspector. This project included abrasive blast cleaning of lock miter gates; lead paint removal, structural steel repairs, and marine vinyl coating application to ensure St. Lawrence Seaway Development Corporation and Federal Department of Transportation specifications were met. *Client: NYSDOT*

Richmond-Highgate, South Burlington-Winooski, and Richmond (6) & (7) Bridge Painting Projects, VT. 04/10-12/13. Coatings Inspector. This project included lead paint removal and coating applications on over 20 interstate bridges to ensure that contract special provisions were met. *Client: VAOT*

Williamstown BRS0204 (4) Bridge Replacement Project, VT. 08/09-12/09. Inspector. Project included channel excavation, sub footing and footing construction, abutment and wing wall construction, deck construction, drainage, pavement, signage, guardrail and landscaping. *Client: VAOT; Pete Hodgson (RE)*

Multi-Span Truss over the Missisquoi River, Swanton, VT. 05/09-07/09. Coatings Inspector. This was a multi-span truss bridge over the Missisquoi River in Swanton, VT. The painting involved paint removal and containment and the application of a coating system to the steel structural members. There was also full depth construction at each end of the bridge that included, placement of subbase materials, paving, drainage, landscaping, and signage. He also assisted the VTrans Resident Engineer with inspection on a covered bridge in Fairfield, VT. *Client: VAOT*

SUNY Plattsburgh, Plattsburgh, NY. 05/08-12/08. Site Representative for SUCF at SUNY Plattsburgh. The project was total dasher board replacement and removal of bleacher style seating and replaced with stadium seating. Project included footing installation, steel erection, precast concrete installation, seating installation and dasher board installation. He would attend meetings with contractors, subcontractors, SUCF, SUNY Plattsburgh and others weekly to ensure contractor was on schedule. *Client: State University Construction Fund*

Butler Building, Guantanamo Bay, Cuba. 07/07-05/08. The project consisted of construction of a butler building at Guantanamo Bay, Cuba with the Air National Guard Unit. Work consisted of footing and slab concrete work, steel erection, sheet metal wall and roof system, drywall, raised floor system, constructed a multimedia room within the butler building, erected a high security fence system and site work.

South Burlington IM089 3 37, Burlington, VT. Inspector. 2006-2007. This was a paving project on I-89. *Client: VAOT*

Hartford RD 01113 40. 2007. Inspector. The project consisted of complete reconstruction of 0.7-miles of US 5 including retaining walls and utilities. *Client: VAOT*

Bridgewater-Killington. 2007. Inspector. This was a paving project on US 4. *Client: VAOT*

I-89 Interchange Revision, South Burlington, VT. 2006. Inspector. This project included the reconstruction and widening of ramp "C", minor realignment of ramp "D", and widening of US 2, including pavement, subbase, curb, sidewalk, pavement markings, installation of new traffic signals, installation of new overhead signs, and very intense maintenance and protection of traffic. *Client: VAOT*

I-89 Center Barrier Replacement, Waterbury-Bolton, VT. 2006. Inspector. This project included the construction of the replacement center concrete barrier, drainage, paving, landscaping, and chain link fence. *Client: VAOT; Bob Suckert (RE)*

US 7 Highway Reconstruction, Shelburne, VT. 2004-2006. Inspector. This reconstruction project involved widening a 2-lane highway to four lanes. The construction included drainage, earthwork, culverts, full depth pavement, asphalt paving, signals, curb, sidewalk, utilities, signs, traffic markings, difficult staging, heavy maintenance and protection of traffic, and community involvement. *Client: VAOT*

Bennington-Hoosick (Bennington Bypass) DPI 0146 (#2) Bennington, VT. 04/01-05/03. Inspector. This project was the construction of a new limited access highway, including bridges, earthwork, and pavement. This work was two of the first of several contracts to build a freeway type highway around Bennington. Contract 3 included two bridges, culverts, and about three miles of new alignment roadway. The route of the highway was through an area of hills with significant earthwork including rock blasting. A full pavement section was included along with all normal construction items for a new alignment highway. Contract 4 included the revision of the interchange with Route 67A was included in this assignment. The project also included an offsite source of borrow which was on future alignment requiring earthwork measurements, a multi-span bridge over the Walloomsac River, major environmental permits, a traditional bridge over Austin Hill Road, high speed weigh station, grading, paving, drainage, box culvert, utility relocations, landscaping, highway marking, safety appurtenances, community involvement, and heavy maintenance and protection of traffic with temporary roadways. *Client: VAOT*

I-89 Williston, VT Bridge Painting. 09/03-12/03. Coatings Inspector. This project was on a multi-span bridge and involved paint removal and containment and the application of a coating system to the steel structural members. *Client: VAOT*

Commonwealth of Massachusetts, Department of Capital Asset Management. 01/00-04/01. Inspector. Project involved the inspection of buildings throughout the state of Massachusetts to produce an overall assessment report. *Client: Commonwealth of Massachusetts.*

South Street Reconstruction, Bennington, VT. 10/99-01/00. Inspector. Project involved rebuilding 2,600-ft of US 7 in downtown Bennington. Work included new utilities (water, sewer, underdrain, storm drainage, and burying overhead utilities), new sidewalk and curb, constructing new roadway from subgrade on up. Project also involved emphasis on public relations, maintenance of traffic to business areas, and protection of traveling public while maintaining an aggressive construction schedule to complete the main points of project prior to the fall tourist season. *Client: VAOT*

Walloomsac Road Reconstruction, Village of Old Bennington, VT. 06/99-12/99. Inspector. Project involved rebuilding 1,200-ft of roadway in historic Old Bennington. Project included underdrain and storm drainage, granite block paved gutters, transferring overhead utilities to underground ducts, new sidewalks, subgrade to top course reconstruction of the roadway, protection of historic buildings, and landscaping essential with a heavy emphasis on public relations. *Client: VAOT*

VT 9, Bennington, VT. 07/99-11/99. Inspector. This project included excavation, replacement with select materials, culverts, drop inlets and guardrails. *Client: VAOT*

Forest Highway #3, Peru, VT. 04/99-07/99. Inspector. This project included excavation, replacement with select materials, culverts, drop inlets and guardrails. *Client: VAOT*

## Prior Firm Experience

New York State Army National Guard, Schenectady, NY. 1990-04/99. 11C (Mortars), Squad Leader. Mr. Dixon trained and supervised new recruits, implemented safety standards, and maintained accurate and up-to-date maintenance records on all vehicles and equipment.

## Other Relevant Experience:

03/97-04/99. Mr. Dixon worked with another firm as a project monitor and PCM analyst. He performed air monitoring for various asbestos abatement projects, enforced federal and New York State regulations at work site, performed PCM analysis to determine fiber concentration in the air at work site, and registered and prepared building material samples for PLM analysis.

05/98-09/98. Mr. Dixon worked with another firm as a framing crew laborer. He participated in the erection of Prestwick Chase, a $12M senior citizen residence. He performed layout of interior and exterior walls, installed prefabricated stairs and roof trusses, and performed application of exterior wall sheathing, interior floor, and roof decking.

1990-1996. Mr. Dixon worked with another firm as a production supervisor. He trained and scheduled employees, compiled labor and food cost reports and was responsible for maintenance and repair of building, grounds, and equipment.

# Christopher Eilers
Technician III

**PROPOSED PROJECT ASSIGNMENT**: Inspector

**EDUCATION:**
*AAS in Construction Management/Vermont Technical College/2016*
*Electrical/Windham Regional Career Center/2009*

**REGISTRATIONS/CERTIFICATIONS:**
*ACI Concrete Field-Testing Technician, Grade 1 – 2020*
*NETTCP Concrete Inspector – 2020*
*NETTCP HMA Paving Inspector – 2021*
*Nuclear Density Gauge – 2020*
*OSHA 10 – 2020*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *4*
**TOTAL YEARS EXPERIENCE:** *12*

## Professional Profile

Mr. Eilers originally attended Vermont Technical College between 2011 and 2013 but did not complete his coursework requirements, so he returned and completed his Associates of Applied Science in Construction Management in 2016. His technical skills include Auto CAD, Microsoft Word, Excel, and Project, and surveying with total stations, levels, and transits.

Mr. Eilers worked for an excavation contractor from 2009 to 2019. He is familiar with construction safety practices and plan reading. He has a good understanding of construction materials and the calculation of quantities. As a construction worker for seven years, he is comfortable working for extended hours and performing strenuous tasks. He has experience working around large equipment and he knows equipment operations, maintenance, and safety protocols.

Mr. Eilers now has several years of experience performing construction inspection on Vermont Agency of Transportation projects. Mr. Eilers worked as an inspector on the following projects listed below.

Inspector: As an inspector, he was responsible for providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. He was also responsible for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. He was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 05/19+.

Brattleboro-Newfane STP 2940(1), Windham County, VT 09/22-10/23. Inspector. This project on VT Route 30 began in the Town of Brattleboro, at Mile Marker 0.326 (just north of the intersection of VT 30 and Cedar St.) and extended north for 9.948 miles (52,526.08 ft) and ended at Mile Marker 1.597 in Newfane (just past the intersection of VT 30 and Hemlock Hill Rd). Work performed for this project included full depth pavement reclamation, minor horizontal and vertical alignment modifications, pavement markings, guardrail, signs, rockfall hazard site improvement, and other highway related items. *Client: VAOT; Chad Greenwood (RE)*

Wilmington-Brattleboro NH 2971(1), Windham County, VT. 08/21-08/23. Inspector. This project on VT 9 began at Wilmington Mile Marker 7.077 and extended easterly for 12.552 miles to Brattleboro Mile Marker 4.186. Work to be performed under this project included coarse milling, reclaiming the existing roadway, and paving with intermediate and wearing courses, pavement markings, guardrail, signs, drainage improvements, and other highway related items. *Client: VAOT; Chad Greenwood (RE)*

Londonderry-Chester STP PS19(10), Windham & Windsor Counties, VT. 10/19-07/21. Inspector. This project is located on VT 11 beginning at Londonderry Mile marker 1.952 and extends easterly for 14.006 miles to Chester Mile marker 4.373. Work to be performed under this project includes coarse milling, cold-in-place recycling, paving, new pavement markings, guardrail, signs, drainage, and other highway related items. *Client: VAOT; Chad Greenwood (RE)*

Manchester-Peru STP 2708(1), VT. 05/19-12/19. Inspector. This project was a 9.6-mile resurfacing project on VT 30. Work to be performed under this project included coarse-milling and resurfacing with leveling and wearing courses, guardrail, signs, drainage improvements, pavement markings, and other highway related items. *Client: VAOT; Chad Greenwood (RE)*

Winhall ST 2974(1), VT. 05/19-12/19. Inspector. Winhall was a 0.4-mile resurfacing project on the Winhall State Highway. Work to be performed included overlaying with leveling and wearing courses, guardrail, signs, pavement markings, and other highway related items. *Client: VAOT; Chad Greenwood (RE)*

Jamaica-Winhall STP 2904(1), VT. 05/19-11/19. Inspector This project was a 9 mile reclaim project on VT 30. The scope of work for this project included reclaiming the existing roadway and paving with intermediate and wearing courses, new curb installation, sidewalk reconstruction, guardrail, drainage improvements, pavement markings, and other highway relayed items. *Client: VAOT; Chad Greenwood (RE)*

Winhall STP SCRP(14), VT. 07/19-08/19. Inspector. This project on VT 30 included the removal and replacement of a structurally deficient 30-inch culvert and replacing it with a 4'-6" x 4' x 63' precast concrete box culvert with headwalls and wingwalls. The project also includes associated channel work and other highway related items. A weekend long full road closure was used for the culvert removal and installation activities, during which traffic was maintained using an off-site detour. *Client: VAOT; Chad Greenwood (RE)*

## Prior Firm Experience

Eilers Brothers Trucking & Excavating; Readsboro, VT. 2009-2019. Skilled Laborer/Surveyor. Mr. Eilers has worked on a variety of projects including road repairs on State routes, hydro dam projects for TransCanada and Brookline Power, town projects, residential, installation of septic systems, gravel pit screening and crushing, foundation excavation and backfilling, clearing, and snow removal.

Codogni and Sons Plumbing and Heating; Readsboro, VT. 2008-09. Laborer. Mr. Eilers worked on the installation of radiant heat systems, other interior plumbing, and HVAC.

# Derrick Fenoff

Technician III

**PROPOSED PROJECT ASSIGNMENT**: Inspector

**EDUCATION:**

*BA in Environmental Studies (Minor in Criminal Justice) at the State University of New York at Plattsburgh - 2018*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade 1 – 2021*
*NETTCP Concrete Inspector – 2023 (Anticipated)*
*NETTCP HMA Paving Inspector – 2022*
*OSHA 10 Hour*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *2*
**TOTAL YEARS EXPERIENCE:** *3*

## Professional Profile

Mr. Fenoff has experience performing construction inspection on Vermont Agency of Transportation projects including a reclaim project, a bridge, a park and ride facility, and a bike path project.

Mr. Fenoff graduated from the State University of New York at Plattsburgh in 2018 with a Bachelor of Arts in Environmental Studies.

Inspector. Responsible for providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. S/he was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. He was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

Chief Inspector. Responsible for the administration, engineering, and inspection of the project. As Chief Inspector, he was accountable for surveys, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements, and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included. As Chief Inspector, s/he delegated duties to the Inspector(s) and the Office Engineer.

## Project Experience

Greenman-Pedersen, Inc. 04/21+.

Williston CMG PARK(29), Chittenden County, VT. 04/22-08/23. Chief Inspector. This project is located on the west side of VT Route 2A just south of the Interstate 89 Exit 12 Interchange in the Town of Williston. Work performed for this project included construction of a new Park-and-Ride lot with access roads, highway widening for turning lanes, bus shelter, pavement markings, electrical service, lighting, landscaping, drainage, water, sewer, stormwater management, retaining wall, and other appurtenances. *Client: VAOT; Chris Lavalette (RE)*

Williston NH 5500(18), Chittenden County, VT. 05/22-10/22. Inspector. This project on VT Route 2A in the Town of Williston began at the Intersection with Hurricane Lane at Sonesta ES Suites Parking Lot and extended northerly 0.194 miles to end at the northern access drive for the Vermont State Police. Also, this project included work on a shared use path along the east side of VT Route 2A in the Town of Williston began at the Vermont State Police Barracks and extended southerly for a distance of 0.387 miles (2,045.08 ft) under the interstate to Hurricane Lane. Work performed for this project included constructing a new bituminous concrete shared use path, right turn lane for Interstate 89 North, traffic signal modifications, drainage modifications, signage, pavement markings and other highway related items. *Client: VAOT; Chris Lavalette (RE)*

St Albans IM SWFR(2), Franklin County, VT. 05/22-11/22. Inspector. This project on Interstate 89 began at Mile Marker 112.57 and extended northerly 2.29 miles to Mile Marker 114.86. Work performed for this project included construction o0f sand underdrain, drainage structures, and gravel wetlands in the median of Interstate 89 and at the Exit 19 Southbound On Ramp. *Client: VAOT; Chris Lavalette (RE).*

Richford ER P20-1(806) C/1, Franklin County, VT. 09/21-12/21. Inspector. This project on VT 105 began one mile south of the intersection of VT 105, Main Street, and River Street in Richford, and extended 600-ft north. Work performed under this project included replacement of the existing temporary bridge off the current alignment of VT 105. It also included removal of the existing bridge. *Client: VAOT; Chris Lavalette (RE)*

Colchester-Essex NH 030-1(34), Chittenden County, VT. 04/21-06/22. Inspector. This project began at the intersection of VT 15 and Lime Kiln Road at Colchester Mile Marker 0.382 and ended at the intersection of VT 15 and Susie Wilson Road at Essex Mile Marker 0.566. Work performed under this project included construction of a new bituminous concrete shared use path, pedestrian signal modifications, signs, pavement markings, and other highway related items. *Client: VAOT; Chris Lavalette (RE).*

Bakersfield STP SCRP(11), Franklin County, VT. 04/21-10/21. Inspector. This project is located on VT 108 began 0.22 miles south of the intersection with VT 36 and extended northerly through the Village of Bakersfield for a distance of 0.653 miles, to a point 150-ft north

of the intersection with Egypt Road (TH 20). Work performed under this project included coarse-milling, full depth reclamation and resurfacing, correcting profile and superelevation deficiencies, installation of new drainage, curb, sidewalk, and other related highway items. GPI was responsible for the construction inspection on this project. *Client: VAOT; Chris Lavalette (RE)*

## Prior Firm Experience

Green Flow Property Management and General Contracting, Valatie, NY. 06/20-04/21. Assistant Project Manager. Mr. Fenoff was responsible for performing various tasks including landscaping, operating equipment, and general home remodeling.

SAS Retail Services, Boston, MA. 04/19-02/20. Team Lead. Accountable for management and organization of product reset team members under contract with Whole Foods Market, performed daily surveys of new products, promotions, and plan compliance through company issued smart device, communicated job changes with store management to solve plan discrepancies and complete additional work, involved with training prospective team leads including smart device usage, in-store protocols and policies, and order of operations.

American Iron Outfitters, Daytona Beach, FL. 07/18-03/19. Sales Associate. Responsible for actively promoting and selling company products to a wide range of customers in a competitive marketplace, managed proper merchandise display ensuring strategic placement of products driving maximum profit and return, collaborated with sales team exchanging selling strategies and demographical marketing information, and greeted customers in professional manner and respond to questions, concerns and related issues.

Callanan Industries, Albany, NY. 05/18-07/18. Laborer. Performed various duties on a highway paving crew.

BEM Sales & Marketing, Albany, NY. 05/16-08/16. Associate Assistant. Mr. Fenoff performed regular product checks in grocery stores and warehouses and reported findings to higher management, assisted associates with day-to-day operations of the perishable food industry including data entry and product presentation through planogram design, and represented a weekly product promotion campaign, interacting directly with prospective consumers.

# Richard W. Ferguson, III

Technician III

**PROPOSED PROJECT ASSIGNMENT**: Office Engineer

**EDUCATION:**

*2014/AE/Civil & Environmental Engineering Technology - Vermont Technical College*

**REGISTRATION:**

*ACI Concrete Field-Testing Tech, Grade 1 – 2022*
*NETTCP Concrete Inspector-2019*
*NETTCP Drilled Shaft Inspector-2023 (Ant.)*
*NETTCP Driven Pile Inspector-2020*
*NETTCP HMA Paving Inspector-2019*
*Nuclear Gauge Certification*
*OSHA 10-Hour*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *7*
**TOTAL YEARS EXPERIENCE:** *8*

## Professional Profile

Mr. Ferguson has experience working in various capacities on Vermont Agency of Transportation projects. These include working as a construction inspector and as a materials liaison on Design-Build projects.

Mr. Ferguson graduated from Vermont Technical College in 2014 with an Associate of Engineering in Civil and Environmental Engineering Technology.

Mr. Ferguson served as an Inspector and/or Office Engineer on the projects listed below.

Inspector: As Inspector, Mr. Ferguson was responsible for providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. He was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. He was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

Office Engineer: As an Office Engineer, she was responsible for the administrative work for the projects which included, but was not limited to, project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications, samples, and test results, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights issues.

Chief Inspector. Responsible for the administration, engineering, and inspection of the project. As Chief Inspector, s/he was accountable for surveys, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements, and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included. As Chief Inspector, s/he delegated duties to the Inspector(s) and the Office Engineer.

## Project Experience

Greenman-Pedersen, Inc. 03/16+.

Poultney BO 1443(53), Rutland County, VT. 09/22-09/23. Chief Inspector. This project in the Town of Poultney on Thrall Road (TH-6 Class 2) was for the replacement of Bridge 7 over the Poultney River. The bridge is located at the intersection of TH-6 and River Street (TH-34), approximately 0.05 miles south of the intersection with VT Route 140, approximately 1.37 miles north of the intersection of TH-6 and VT Route 30. The length of this project is 250 ft. Work performed for this project included replacement with a new camelback pony truss and related approach roadway and channel work. This bridge has been closed to vehicular traffic since May 2020 when an inspection found advanced deterioration. Vehicular traffic will be maintained on an offsite detour and pedestrian/bicycle access will not be available when construction is occurring. *Client: VAOT; Chris Williams (RE)*

Clarendon-Rutland Town NHG SGNL(56), Town of Clarendon, Rutland County, VT. 06/22-12/22. Chief Inspector. This project was for the traffic signal at the intersection of US Route 7 and North Shrewsbury Road. Other traffic signals on this project were in the Town of Rutland at the intersections of US Route 7 and Windcrest Road, US Route 7 and US Route 4, and US Route 7 and Holiday Drive. Work performed for this project included replacement and modernization of traffic signal systems. *Client: VAOT; Chris Williams (RE)*

Pittsford VTRY(12), Rutland County, VT. 09/21-12/21. Inspector. GPI provided construction inspection services for this project. The project began on the Vermont Railway North at Mile Post 65.15 and extended north a distance of 0.45 miles to Mile Post 65.6. Work to be performed under this project included the installation of a third siding track to the west of the existing siding tracks, two new No. 10 turnouts, removal of ledge, construction of a sheet piling retaining wall, track improvements, and other incidental items. *Client: VAOT; Chris Williams (RE)*

Pittsford NH 019-3(491), Rutland County, VT. 10/20+. Inspector. GPI provided construction inspection services for this project located in Rutland County that began on US 7 at MM 1.350 and extended northerly 1.405 miles to MM 2.755. Work to be performed under this project included the removal and disposal of the existing concrete roadway, realignment, widening, full depth reconstruction, grading, drainage, relocation of aerial utilities, construction of three bridges (#106, #107, and #107A) using precast concrete structures, paving, and other related highway items. *Client: VAOT; Chris Williams (RE)*

Fair Haven STP PC19(2), Poultney STP PC19(4), & West Rutland STP PC19(6), Rutland County, VT. 10/19-12/19 and 04/20-12/20. Inspector/Office Engineer. The Fair Haven project was on VT 22A and went from MM 1.098 to MM 1.508 (0.410 miles) and from MM

1.538 to 2.235 (0.697 miles). Work to be performed under this project included coarse milling and paving with a leveling course and wearing course, new pavement markings, new signs, drainage rehabilitation, reconstruction of an at-grade railroad crossing, and other highway related items. The Poultney project was on VT 30 from MM 4.193 to MM 4.886 (0.693 miles) and VT 31 from MM 3.201 to MM 3.779 (0.578 miles). Work to be performed under this project included coarse milling and paving with a leveling course and wearing course, new pavement markings, new signs, drainage rehabilitation, and other highway related items. The West Rutland project was on VT 4A from MM 1.775 to MM 2.674 (0.899 miles) and on VT 131 from MM 0.700 to 1.722 (1.022 miles). Work to be performed under this project included coarse milling and paving with a leveling course and wearing course, new pavement markings, new signs, drainage rehabilitation, and other highway related items. *Client: VAOT; Chris Williams (RE)*

West Rutland STP PC19(6), Poultney, Rutland, VT. 03/20-12/20. Inspector. GPI is providing construction inspection services for this project. The project scope to be performed under this project includes coarse milling and paving with a leveling course and wearing course on 1.0 mile of VT Route 133 and 0.9 miles of VT Route 4A. Project also consists of new pavement markings, new signs, and drainage rehabilitation. This project was awarded in conjunction with Fair Haven STP PC19(4) and Poultney STP PC19(6). *Client: VAOT; Chris Williams (RE)*

Poultney-Castleton STP FPAV(25), Castleton-Poultney, Rutland, VT. 08/19-07/20. Inspector. GPI provided construction inspection services for this project. Project scope performed under this project included coarse-milling and paving the existing highway from mile marker 6.843 in Poultney and continued 4.258 miles on VT Route 30 to mile marker 1.510 in Castleton at the intersection with VT Route 4A. This project also included new guardrail, pavement markings, and other highway related items. *Client: VAOT; Jace Curtis (RE)*

Fair Haven STP PC19(2), Fair Haven, Rutland, VT. 04/19-01/20. Inspector. Work to be performed under this project included coarse milling and paving with a leveling course and wearing course on 1.1 miles of VT 22A. Project also consists of new pavement markings, new signs, drainage rehabilitation, and reconstruction of an at-grade railroad crossing. This project was awarded in conjunction with Poultney STP PC19(4) and West Rutland STP PC19(6). *Client: VAOT; Chris Williams (RE)*

Statewide Southeast STPG SIGN (67), Multiple Towns, Southeast Region, VT. 06/19-11/19. Inspector. Work performed under this project included the removal of existing signs and posts and the installation of new signs and posts on multiple routes in multiple towns in the Southeast Region. *Client: VAOT; Chris Williams (RE)*

Poultney BF 0138(12), VT. 07/19-09/19. Inspector. This project included the complete replacement of Bridge 2 over Finel Hollow Brook on SNR 140/TH 2 (Class 2). The existing bridge was replaced with a new precast rigid frame with related approach and channel work. *Client: VAOT; Jace Curtis (RE)*

Poultney STP 015-2(9), VT. 04/19-09/19. Inspector. This project was located on VT 30 and was about 500-ft long. This roadway reconstruction project included new subbase consisting of dense graded crushed stone and sand with a geotextile between subbase and subgrade, incorporating a geogrid to reduce subbase thickness, pavement, slope stabilization, ledge removal, drainage including underdrain, and other highway related items. *Client: VAOT; Jace Curtis (RE)*

Design Build Team, Berlin, VT. 03/16-04/19 and 01/20. Mr. Ferguson worked on multiple Design-Build projects to evaluate and review testing and certification requirements. He reviewed the Project Collaboration Site on SharePoint for tests and certifications that had been uploaded. He documented and recorded findings, in an organized manner, pertaining to any tests or certifications that had not met VTrans requirements. Testing deficiencies checked for Non-Conformance Reports explaining reason for occurrence and solution to prevent future conflicts of similar nature. He sent out the list of unresolved testing and certification issues to the Resident Engineer for attention.

He also assisted with visits to soils labs and paving and concrete plants to inspect them for compliance with VAOT's Qualified Lab Program. This included verifying personnel had the proper certifications, checking that all required equipment was present and calibrated, checking to see if any sieves, molds, scales, etc. were damaged, and verifying that current copies of AASHTO/ASTM standards for any tests being performed were available. *Client: VAOT; Donal Morris, for most of this time-period, and Phil Peloquin, Quality Assurance Manager, for the remainder.*

## Prior Firm Experience

T. Daniel Williams Roofing, Poultney, VT. 05/07-02/16. Laborer for Roofing Construction. Mr. Ferguson worked collaboratively with a team to practice effective communication, he followed instructions on installation of roofing material, and he managed job tasks independently to effectively complete work in a timely fashion.

Town of Poultney Highway Department, Poultney, VT. 06/10-2/16. Road Work and Clearing. Mr. Ferguson worked extensively to clear backroads and highways of debris from storms. He worked independently to saw fallen trees that obstructed the roads. He also designed and constructed equipment alterations essential to the Town.

Lyle Welding Fabrication, Poultney, VT. 07/13-09/13. Metal Fabrication Work. Mr. Ferguson measured and marked steel for project specifications, cut steel for project required length, and ground rough steel to prepare it for welding.

# Sara Friend
Technician III

**PROPOSED PROJECT ASSIGNMENT**: Inspector

**EDUCATION:**
*HS Diploma from Concord High School, Concord, VT*

**REGISTRATIONS/CERTIFICATIONS:**
*ACI Concrete Field-Testing Technician, Grade 1 – 2023 (Anticipated)*
*NETTCP HMA Paving Inspector – 2019*
*NETTCP HMA Plant Technician – 2019*
*NETTCP Soils and Aggregate Inspector – 2021*
*Nuclear Density Gauge*
*OSHA 10 Hour*

**YEARS WITH FIRM:** *1*
**TOTAL YEARS EXPERIENCE:** *8*

## Professional Profile

Ms. Friend has experience as a construction inspector on Vermont Agency of Transportation projects. Prior to joining GPI, she had several years of construction experience working for a paving contractor as a project engineer trainee, a quality control technician, and a traffic control coordinator.

Inspector. Responsible for providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. She was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. She was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 04/22+.

Hartland-Norwich IM 091-1(84), Windsor County, VT. 04/22-10/22. Inspector. This project on Interstate 91 (Northbound and Southbound) began at Mile Marker 66.20 in the Town of Hartland and extended northerly a distance of 4.61 miles to Mile Marker 70.81. It resumed at MM 71.062 and extended north 4.19 miles to MM 75.252 in the Town of Norwich. Work performed for this project included fine-milling, surface preparation involving patching, pothole repair, crack sealing, overlaying with a thin bituminous surface treatment, pavement markings, guardrail improvements, and other related highway items. *Client: VAOT; Contact: Jay Strong (RE)*

Norwich STPG SGNL(57), Windsor County, VT. 07/22-05/23. Inspector. This project on VT Route 10A in the Town of Norwich at the US Route 5 intersection began at Mile Marker 0.000 and extended easterly along VT Route 10A for a distance of 0.494 miles to the River Road intersection at Mile Marker 0.494. Work performed for this project included removal of existing traffic signal systems and the installation of new traffic signal systems including mast arm poles, controller cabinets, and related equipment at the intersections; MS-410 and MS-411 in the Town of Norwich. Also, this project included rehabilitation of existing traffic signal systems at the intersection MS-408 in the Town of Norwich. *Client: VAOT; Jay Strong (RE)*

## Prior Firm Experience

Pike Industries, Inc., VT & NH. 03/15-02/22.

03/21+. Project Engineer Trainee. Ms. Friend performed layout work, scheduling of work, and working with the inspection staff to achieve a quality product. In this time period these are some of the projects she worked on, Cavendish-Weathersfield ER STP 0146(14), Chester-Springfield STP 2942(1), Chester-Springfield STP PS19(4), and Chelsea-Thetford STP 2955(1).

03/18-03/21. Quality Control Technician. Ms. Friend performed quality control activities such as pavement compaction and materials testing.

03/15-03/18. Traffic Control Coordinator. Ms. Friend set up, maintained, and removed traffic control packages to provide the traveling public for safe travel through the project while minimizing delays.

GPI

# Zachary Friend

Technician III

**PROPOSED PROJECT ASSIGNMENT**: Inspector

**EDUCATION:**
*HS Diploma/Lake Region Union High School*

**REGISTRATIONS/CERTIFICATIONS:**
*ACI Concrete Field-Testing Technician, Grade 1 – 2023 (Anticipated)*
*NETTCP HMA Paving Inspector – 2021*
*NETTCP HMA Plant Technician – 2017*
*NETTCP Soils and Aggregate Inspector – 2018*
*Nuclear Density Gauge*
*OSHA 10 Hour*

**YEARS WITH FIRM:** *1*
**TOTAL YEARS EXPERIENCE:** *25*

## Professional Profile

Mr. Friend has experience as a construction inspector on Vermont Agency of Transportation projects. Prior to joining GPI, he had many years of construction experience, working for a paving contractor and a building contractor. He also worked performing quality control in a sawmill.

Inspector. Responsible for providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. S/he was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. S/he was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 04/22+

Ryegate-St Johnsbury IM SURF(70), Caledonia County, VT. 04/22-10/22. Inspector. This project on Interstate 91 Northbound began at Mile Marker 115.132 and extended northerly a distance of 14.693 miles to Mile Marker 129.825. Work performed for this project included patching, pothole repair, crack sealing, fine-milling, and inlaying with bonded wearing course on the existing interstate typical, pavement markings, guardrail improvements, and other related highway items. *Client: VAOT; Contact: Jay Strong (RE)*

Hartland-Norwich IM 091-1(84), Windsor County, VT. 04/22-10/22. Inspector. This project on Interstate 91 (Northbound and Southbound) began at Mile Marker 66.20 in the Town of Hartland and extended northerly a distance of 4.61 miles to Mile Marker 70.81. It resumed at MM 71.062 and extended north 4.19 miles to MM 75.252 in the Town of Norwich. Work performed for this project included fine-milling, surface preparation involving patching, pothole repair, crack sealing, overlaying with a thin bituminous surface treatment, pavement markings, guardrail improvements, and other related highway items. *Client: VAOT; Contact: Jay Strong (RE)*

## Prior Firm Experience

Pike Industries, Inc., VT & NH. 2006-2021. Trainer, QC Technician, and Roller Operator. Mr. Friend started out as a roller operator on a paving crew for his first 8 years. He then was promoted to Quality Control Technician. Most recently he was asked to train members of the paving crews in methods to assure quality while maintaining productivity.

Campbell Quality LLC, Fairfield, VT. 2004-2006. Carpenter. Mr. Friend worked for a building contractor doing everything from framing to finish work. One of their larger projects during time period was building townhouses in Essex.

Columbia Forest Products, Indianhead Division, Newport, VT. 1997-2004. Quality Control Grades Man.

GPI

# Kevin D. Gebbie

Civil Engineer III

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector

**EDUCATION:**

*BS/2007/Mechanical Engineering – Wentworth Institute of Technology, Received Merit Award Scholarship*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade 1 – 2023 (Anticipated Recertification)*
*NETTCP Concrete Inspector - 2022*
*NETTCP Drilled Shaft Inspector – 2020*
*NETTCP Driven Pile Inspector - 2019*
*NETTCP HMA Paving Inspector – 2022*
*Nuclear Density Gauge*
*OSHA 10-Hour*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *6*

**TOTAL YEARS EXPERIENCE:** *16*

## Professional Profile

Mr. Gebbie is a senior level engineer with strong leadership, initiative, and enthusiasm. He is an experienced professional with several years of construction inspection experience following a successful career in Power Generation and Industrial Engineering. Mr. Gebbie has excelled within a variety of challenging environments where leadership skills are essential. His proactive approach has resulted in new and repeat customer business relationships. He possesses excellent interpersonal, analytical, and organizational skills along with the ability to interface well with others in multiple disciplines to ensure team goals are attained. Mr. Gebbie has broad technical experience, including, but not limited to, boilers, heat exchangers, burners, coal pulverizers, stokers, rotating equipment, pumps, piping, reactors, and process tuning, and a comprehensive understanding of construction drawings and technical specs. Programs Mr. Gebbie is proficient at include Microsoft Word, Excel, PowerPoint, Access, Lotus Notes, AutoCAD, Solidworks, and MatLab.

Mr. Gebbie served as a Chief Inspector or Inspector on the projects listed below.

Chief Inspector: As Chief Inspector, Mr. Gebbie was accountable for survey, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements, and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included. As Chief Inspector, he delegated duties to the Inspector(s) and the Office Engineer.

Inspector: As an Inspector, he was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 06/17+.

Walden STP SCRP(27), Caledonia County, VT. 09/22-10/22. Inspector. This project on VT Route 15 in the Town of Walden began at Mile Marker 1.889 and extended easterly for 0.028 miles to Mile Marker 1.918. Work performed for this project included the removal and replacement of the existing corrugated metal pipe with a precast concrete box culvert and other highway related items. *Client: VAOT; Aaron Weaver (RE)*

Braintree BF 0241(51), Orange County, VT. 07/22-09/22. Chief Inspector. This project on VT 12 in the Town of Braintree was for the replacement of Bridge 47 over Ayer's Brook at approximately 5.1 miles north of the intersection with VT 66. Work performed for this project included a superstructure replacement of the existing T-Beam portion of the bridge, replacement of existing bridge deck along with related approach roadway and channel work. Given the age of the structure, site constraints and current conditions, the engineering study recommended a partial superstructure replacement with traffic maintained on an offsite detour. This was an accelerated bridge project with an allowable 28-day closure period. *Client: VAOT; Alex Flinn (RE)*

Stockbridge ER 022-1(29), Windsor County, VT. 04/22-06/22. Chief Inspector. This project on VT Route 107 in the Town of Stockbridge began at Mile Marker 3.509 and extended easterly 0.080 miles to Mile Marker 3.589. Work performed for this project included the stabilization of a soil slope with soil nails and shotcrete facing, construction of an access road, and other highway-related items. This project was completed using VTrans Indefinite Delivery/Indefinite Quantity (IDIQ) process. *Client: VAOT; Alex Flinn (RE)*

Hartford IM 091-2(90), Windsor County, VT. 07/20-12/21. Chief Inspector. This project is on Interstate 91 on Bridges 44 North and South. Work performed under this project includes replacement of the finger plate joints, concrete deck repair work, membrane, pavement, repointing of granite bridge curb, and roadway approach work. *Client: VAOT; Mike Booth (RE)*

Fairlee IM 091-2(86), Orange County, VT. 07/20-11/20. Chief Inspector. This ledge stabilization project on Interstate 91 began at Southbound MM 92.599 and extended to MM 92.746. Work performed under this project included clearing and grubbing, hand scaling with vegetation removal, rock doweling, and hand-packed mortar installation. *Client: VAOT; Mike Booth (RE)*

Norwich STP 2034(18), Windsor County, VT. 06/20-07/20. Chief Inspector. This project was located on the Washington County Railroad at the intersection of River Road and Crossing Lane. Work performed under this project included reconstruction of the existing railroad crossing panels, new signals with LED lights and flashers, paving, signs, pavement markings, and other related highway items. *Client: VAOT; Jay Strong (RE)*

Waterford-St Johnsbury STP FPAV(15), Caledonia County, VT. 05/20-06/20. Inspector. This project was part of a contract that included three projects. The project, on VT 18, began at Waterford MM 0.000, the Vermont-New Hampshire state line, and extended 7.887 miles to St Johnsbury MM 0.265, the intersection with US 2. Work to be performed under this project included coarse milling, resurfacing with leveling and wearing courses, guardrail, drainage improvements, centerline rumble strips, and other related highway items. *Client: VAOT; Jay Strong (RE)*

Barre Town STP HES 0169(8), VT. 08/19-12/19. Chief Inspector. The scope of work performed under this project included the reconstruction of the intersection of Mill St with VT Route 110 on an adjusted alignment. The project also included a new drainage system, new sidewalks, and a crosswalk, as well as new pavement markings and signs. *Client: VAOT; Bill Crowther (RE)*

Jay STP 034-2(16), VT. 04/19-07/19. Chief Inspector. This project on VT 105 included construction of a roadside catchment ditch, ledge removal, and other highway items. *Client: VAOT, Mike Booth (RE)*

Fairlee STP SCRP(15), VT. 07/19-09/19. Chief Inspector. This project on VT 244 was for the removal and replacement of a structurally deficient 60-inch culvert and replacing it with a 10' x 6' x 48' precast concrete box with headwalls and wingwalls. The project also included channel realignment, relocation of two existing waterlines, and other highway related items. A weekend long road closure was used for removal and installation activities and traffic was maintained using an off-site detour. *Client: VAOT, Al Jones (RE)*

Berlin IM 089-1(62), VT. 04/19-09/19. Chief Inspector. This ledge stabilization project was at Exit 6 of I-89 NB and included the NB off ramp. Work to be performed under this project included solid rock excavation, ditch work, and other highway related items. *Client: VAOT, Mike Booth (RE)*

Rockingham IM 091-1 (66), VT. 05/18-01/19. Inspector. Work to be performed under this design-build project includes the replacement of Bridges 24N and 24S on Interstate 91, over the Williams River and Green Mountain Railroad. The project consists of removal of the existing steel truss and concrete slab bridge and construction of a new bridge on the same alignment. Construction will be in two phases with traffic crossovers. The new bridges are four spans with a total length of 852-ft. The new superstructure consists of five precast concrete bulb-tee girder lines, supported by footings on piles, apart from one pier on each bridge bearing on bedrock. *Client: VAOT; Daryl Bassett (RE)*

Ryegate IM 091-2 (80), VT. 10/17-11/17. Chief Inspector. This ledge reinforcement and mitigation project was on I-91 NB and SB. Project scope consisted of rock fall mitigation and removal, minor ditching, guardrail addition, and added safety netting for rock face in rock fall prone areas. *Client: VAOT; Mike Booth (RE)*

Lyndon IM 091-2 (80), VT. 09/17. Chief Inspector. This ledge reinforcement and mitigation project was on I-91 NB. Work to be performed under this project included hand scaling, trim blasting, rock anchoring, catchment ditch excavation, guardrail installation, traffic control, and other highway related items. *Client: VAOT; Mike Booth (RE)*

Coventry STP 0113(66), VT. 07/17-08/17. Chief Inspector. Work on this ledge stabilization project on US 5 included application of shotcrete facing on the slope face, installation of rock dowels, had a machine scaling of face, and other highway related items. *Client: VAOT; Mike Booth (RE)*

Roxbury-Northfield STP FPAV(6), VT. 06/17-07/17. Inspector. The project on VT 12 included leveling course, guardrail rehabilitation, ditching/drainage improvements, and updated signage. *Client: VAOT; Matt Birchard (RE)*

Randolph-Braintree STP FPAV(7), Randolph-Braintree, VT. 06/17-07/17. Inspector. The project on VT 12 included leveling course, guardrail rehabilitation and addition, ditching/drainage improvements, and updated signage. *Client: VAOT; Matt Birchard (RE)*

## Previous Experience

Riley Power, Inc., Worcester, MA. 2007-2017. Senior Field Engineer, Technical Services Department. Mr. Gebbie, as Senior Field Engineer, was the lead construction advisor for small and large retrofit and new projects. He performed as the lead engineer for commissioning, start-up, optimization, and maintenance of natural gas and coal fired burners. He was responsible for coordination of venders and onsite contractors. He was the lead engineering advisor for maintenance, rebuild, and upgrade of boiler and associated auxiliary equipment. He advised and consulted on the replacement of OEM parts. He was responsible for the inspection and NDE testing

of boiler pressure parts and was responsible for proper lock-out/tag-out procedures.

## Project Highlights

Georgia Power-Yates- Unit 6 & 7 Natural Gas Conversion - Newnan, GA. Mr. Gebbie was the lead onsite engineer for 32 new corner fired burners converting from coal to natural gas in 2014/2015. He was responsible for installation oversight, startup/commissioning, and tuning to meet design burner specifications.

Duke Energy-Mayo - Unit 1 & 2 Low NOx burner install - Roxboro, NC. Mr. Gebbie was the lead onsite engineer for 40 new low NOx burner installations on 2 separate boilers simultaneously. He was responsible for tracking shippable components, installation oversight, startup/commissioning, and tuning to meet design burner specifications.

AstraZeneca Pharmaceuticals, Westborough, MA. 2006-2007. Engineering Intern. Mr. Gebbie assisted with updates to electrical, mechanical, and HVAC drawings utilizing AutoCad, and assisted in creating a defined and organized document database for engineered drawings and company standards.

# Shane Gladding
Technician II

**PROPOSED PROJECT ASSIGNMENT**: Inspector

**EDUCATION:**
*Basic Combat Training and Advanced Individual Training, Fort Leonard Wood, St. Robert, Missouri – December 2007*
*High School Diploma, Keene High School, Keene, NH/2006*

**REGISTRATIONS/CERTIFICATIONS:**
*ACI Concrete Field-Testing Technician, Grade 1 – 2023 (Anticipated)*
*NETTCP HMA Paving Inspector – 2023 (Anticipated)*
*Class B CDL with Tanker Endorsement - 2021*
*2022/DOT Medical Card*
*OSHA 10 Hour*

**YEARS WITH FIRM:** *1*
**TOTAL YEARS EXPERIENCE:** *4*

## Professional Profile

Mr. Gladding has one year of experience performing construction inspection on Vermont Agency of Transportation projects in addition to three years of experience working as a crew leader for L&D Safety Markings.

Mr. Gladding is a veteran of the United States Army who was honorably discharged with the rank of E3.

He is dedicated, determined, and hard working. He also was a volunteer firefighter in Sullivan and Jaffrey, NH.

Inspector. Responsible for providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. S/he was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. S/he was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 05/22+.

Burlington NH PC22(1) and Winooski NH PC22(2), Chittenden County, VT. 05/22-10/23. Inspector. Burlington NH PC22(1) – This project on US Route 7 in the City of Burlington began just north of the US 7 (Shelburne Road) and I-189 Off Ramp at the concrete/asphalt interface at Mile Marker 0.000 and extended northerly along US 7 (Shelburne Road, South Willard Street, North Willard Street, Hyde Street, and Riverside Avenue) to the Burlington/Winooski Town Line at Mile Marker 4.183. There was also a section of the project on US 7 Alternate beginning at the US 7 (South Willard Street)/US 7 Alternate (Shelburne Road) Intersection at Mile Marker 0.168 and extended northerly along US 7 Alternate (Shelburne Road, St. Paul Street, South Winooski Avenue, and North Winooski Avenue) to its intersection with Riverside Avenue and US 7 (Hyde Street/Riverside Avenue) at Mile Marker 2.038. There was also another section of the project on US Route 2 (Main Street) at its intersection with US 7 (South Willard Street) at Mile Marker 0.000 and extended easterly along US 2 (Main Street) to the Burlington/South Burlington Town Line at Mile Marker 0.840. Work performed for this project included coarse-milling and resurfacing of the existing highway with a leveling course, wearing course, new pavement markings, signs, and other highway related items. Winooski NH PC22(2) – This project on US Route 7 in the City of Winooski began at US 7/US 2 (Colchester Avenue), the Winooski/Burlington Town Line, at Mile Marker 0.000 and extended northerly along US 7/US 2 (Main Street) to the Winooski/Colchester Town Line at Mile Marker 0.262. There was another section of this project on VT 15 (West Allen Street) that began at Mile Marker 1.893 and extended easterly to Mile Marker 1.925, the Winooski/Colchester Town Line at the Class 1 Town Highway limit. Work performed for this project included concrete roadway slab removal, curb and sidewalk restoration, coarse-milling and resurfacing of the existing highway with a leveling course, wearing course, new pavement markings, signs, and other highway related items. *Client: VAOT; Darren Connolly (RE)*

Charlotte-South Burlington NH PS22(2), Chittenden County, VT. 08/22-10/23. Inspector. This project on US Route 7 began at Charlotte Mile Marker 2.926 and extended northerly 10.194 miles to South Burlington Mile Marker 1.719. Work performed for this project included coarse milling, resurfacing with leveling and wearing course, pavement markings, guardrail improvements, signal improvements, and other highway related items. *Client: VAOT; Josh Hulett (RE)*

## Prior Firm Experience

L&D Safety Markings, Inc. Barre, VT. 04/19-05/22. Crew Leader. Mr. Gladding leads and assists crews on detailed line striping projects using durable pavement markings. He ensures safety protocols are being exercised before any work is performed. He communicates effectively with state inspectors and engineers, project contractors, traffic control personnel, and upper management. He completes daily pre and post trip inspections on assigned company vehicles. He safely operates paint vehicles, hand cart equipment, and forklifts.

Stowe Beverage, Stowe, VT. 12/18+. Stocker. Mr. Gladding receives products from multiple vendors, unloads trucks using hand dolly and safe lifting techniques, and completes customer orders.

United States Army. 07/07-12/11. Motor Transportation Operator. Mr. Gladding served in combat operations, conducted convoy escort security, held secret security clearance, worked as a Supply Technician maintaining all unit inventory and equipment, and was Combat Life Saver Certified. Mr. Gladding was deployed to Iraq in support of Operation New Dawn from September of 2010 to September of 2011.

Adecco, Teleflex Medical, Jaffrey, NH. 12/09-08/10. Machine Operator. Mr. Gladding worked manufacturing medical tubing via vertical extrusion. He ensured all safety procedures were followed by himself and team members.

Walmart, Keene, NH. 10/05-12/08. Inventory Control Specialist. Mr. Gladding maintained store inventory, assisted with store deliveries, provided hospitable customer service, and worked well independently and as a team member.

# Christopher Gray
Technician III

**PROPOSED PROJECT ASSIGNMENT**: Inspector

**EDUCATION:**
*BA/2008/Biology, University of Vermont, Burlington, VT*

**REGISTRATIONS/CERTIFICATIONS:**
*ACI Concrete Field-Testing Technician, Grade 1 - 2023 (Anticipated)*
*NETTCP HMA Paving Inspector - 2023 (Anticipated)*
*OSHA 10 Hour - 2022*

**YEARS WITH FIRM:** *1*
**TOTAL YEARS EXPERIENCE:** *15*

## Professional Profile

Mr. Gray has three seasons of experience performing construction inspection on Vermont Agency of Transportation projects.

Mr. Gray received his Bachelor of Arts in Biology from the University of Vermont in 2008. He was a recipient of the Vermont Scholars Award. Mr. Gray has two seasons of construction inspection experience working for the Vermont Agency of Transportation. He has also worked on numerous field biologist assignments including performing environmental assessments for proposed construction projects. Mr. Gray is proficient in the Microsoft Office Suite software.

Inspector. Responsible for providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. He was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. He was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 04/22+.

Johnson-Morristown STP 2919(1) & Morristown STP 2920(1), Lamoille County, VT. 04/22-10/22. Inspector. Johnson-Morristown STP 2919(1) – This project on VT 15 began at Johnson Mile Marker 4.409 and extended easterly 9.506 miles to Morristown Mile Marker 4.179. Another section of the project on VT 100 began at Morristown Mile Marker 6.178 and extended northerly 0.412 miles to Morristown Mile Marker 6.590. Work performed for this project included coarse-milling, reclaiming, correcting superelevation deficiencies, resurfacing with intermediate and wearing courses, pavement markings, guardrail improvements, drainage improvements, and other related highway items. Morristown STP 2920(1) – This project on VT 15A began at Morristown Mile Marker 0.362 and extended easterly 1.441 miles to Morristown Mile Marker 1.803. Work performed for this project included coarse-milling, reclaiming, correcting superelevation deficiencies, resurfacing with intermediate and wearing courses, pavement markings, guardrail improvements, drainage improvements, and other related highway items. *Client: VAOT, Contact: Kevin McClure (RE)*

Lyndon STP FPAV(55), Caledonia County, VT. 07/22-08/22. Inspector. This project on VT Route 122 in the Town of Lyndon began at Mile Marker 0.800 and extended northerly a distance of 2.000 miles (10,560.00 ft) to Mile Marker 2.800. Work performed for this project included fine-milling and resurfacing the existing highway, guardrail improvements, pavement markings, and other related highway items. *Client: VAOT, Contact: Kevin McClure (RE)*

## Prior Firm Experience

## Experience on Vermont Agency of Transportation Projects

Vermont Agency of Transportation, Construction Division, Montpelier, VT. 05/06-08/06 and 05/07-08/07. Inspector. Mr. Gray worked on the Shelburne Road (US 7) road reconstruction project in 2006 and the VT 289 paving project in Essex in 2007. Mr. Gray's responsibilities included inspection of crews who were performing various construction operations (paving, sidewalk and curb installation, topsoil, etc.) to assure compliance with the plans and specifications. He submitted Inspector Daily Reports to document construction activities and item quantities. *Bob Suckert, Resident Engineer and Joe Depaolis, Chief Inspector*

Bear Creek Environmental, Bat Acoustical Survey, Swanton, VT. 07/15-08/15. Bat Survey Team Leader. Mr. Gray conducted a survey for the Vermont Agency of Transportation. He was responsible for setting and maintaining an Anabat Acoustical Monitoring System to detect presence of bats in areas where road construction was proposed.

## Other Experience

Université de Montréal, Montreal, QC, 06/21-10/21. Wildlife Technician (Contract Entomologist). Mr. Gray monitored invasive insect species in central Quebec using Lindgren flight intercept traps and managed logistics of employee schedules, site selection, and landowner communications.

Université du Québec en Abitibi-Témiscamingue, Rouyn-Noranda, QC. 09/20-11/20. Wildlife Technician (Contract Entomologist). Mr. Gray sorted invertebrate pitfall samples for target taxa and collected temperature sensors in central Quebec.

GPI

Sportlogiq, Montreal, QC. 07/19-03/21. Hockey Video Analyst. Mr. Gray input data from live hockey games to be statistically analyzed, improving strategy, and recruiting for teams and the accuracy of media broadcasts.

Battelle, The NEON Project, Boulder, CO. 04/16-05/19. Senior Field Ecologist – 06/18-05/19. Field Ecologist II – 07/17-06/18. Field Ecologist I – 04/16-07/17. As Senior Field Ecologist, Mr. Gray was the Mammalogy and Entomology Lead. His responsibilities included being the Safety Officer which included maintaining the domain support facility through monthly safety checks, adhering to chemical safety guidelines, training, and accident-incident reporting. He was also the Fleet Manager which included managing fuel cards, vehicle expense reports, managing monthly truck checks, scheduling maintenance, and receiving quotes for new vehicles and UTVs. He was also responsible for performing field work in accordance with SOPs including small mammal trapping, invertebrate sampling, and soil sampling. He performed hiring and interviewing of field technicians and trained technicians in proper field collection of invertebrates, handling, and processing of small mammals, safe UTV driving, and chainsaw use.

Blue Sun Inc., Western Oregon Owl Prey Base Study, Blue River, OR. 08/15-11/15. Small Mammal Survey Team Member. Mr. Gray trapped small mammals using Tomahawk and Sherman Live traps.

Vermont Family Forests, Colby Hill Ecological Project, Bristol, VT. 07/11-09/11; 07/12-09/12; 07/13-09/13; 07/14-08/15. Small Mammal Survey Team Member and Team Leader. Mr. Gray live trapped small mammals, performed camera trapping, managed yearly budget and reporting, maintained, and ordered equipment, and trained assistant in proper trapping methods and study skin preparations.

Putu Iron Ore Mining Inc., AMEC Earth and Environmental, Monrovia, Liberia. 10/10-12/10 and 10/12-12/12. Small Mammal Survey Team Member and Leader. Mr. Gray participated in an environmental assessment of potential mining and offset areas surrounding the Putu Mountain Range. He was responsible for live trapping small mammals and performing camera trapping. He ordered, organized, and maintained supplies. He managed logistics of trucks, schedules, food/supplies, and employee schedules, created post-trip reports, prepared study skins that are archived at the Smithsonian, coordinated with U.S. Fish and Wildlife Service to import museum specimens into the United States, and trained Liberian counterparts in the proper methods of small mammal trapping and study skin preparation.

Bromley Mountain Ski Area, Environmental Assessment, Peru, VT. 06/09-09-09. Small Mammal Survey Team Leader. Mr. Gray conducted an assessment of potential development and wastewater deposition areas. He trapped small mammals, scheduled field work, and coordinated with paid field assistants.

Northwoods Stewardship Center, Small Mammal Survey, East Charleston, VT. 07/08-10/08 and 07/09-10/09. Small Mammal Survey Team Leader. Mr. Gray conducted a statewide survey for the Vermont Fish and Wildlife Department. He trapped small mammals at 22 sites across central and southern Vermont.

In addition to the experience described above, Mr. Gray has worked at various jobs while working toward his master's degree in Mammalogy and in between his field biologist ventures.

# Jeffrey Hansen

Technician III

**PROPOSED PROJECT ASSIGNMENT**: Office Engineer

**EDUCATION:**

*BS/2015/Construction Management – Vermont Technical College*
*AE/2013/Civil & Environmental Engineering Technology – Vermont Technical College*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician Grade 1 - 2015*
*ATSSA Traffic Control Coordinator – 2017*
*NETTCP Concrete Inspector - 2021*
*NETTCP Drilled Shaft Inspector – 2018*
*NETTCP Driven Pile Inspector - 2017*
*NETTCP HMA Paving Inspector - 2021*
*NETTCP Soils & Aggregate Inspector - 2017*
*Nuclear Moisture/Density Gauge*
*OSHA 30-Hour*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *6*
**TOTAL YEARS EXPERIENCE:** *7*

## Professional Profile

Mr. Hansen's background includes a broad working knowledge of technical skills and construction practices. Technical skills include Electronic Books, Surveying (Total Station, Leveling Rod), AutoCAD, Carlson, Materials Testing (Asphalt & Concrete), using a Nuclear Density Gauge, Soil Analysis, and On-Screen Takeoff.

Mr. Hansen has experience as an Office Engineer and as a Construction Inspector.

Mr. Hansen has worked on various size projects throughout the State of Vermont and New Hampshire. One of the more substantial projects worked on was the Spruce Peak Adventure Center in Stowe, Vermont where he had numerous responsibilities, each handled with utmost professionalism.

Mr. Hansen has served as an Office Engineer or Inspector on the projects listed below.

Office Engineer: As an Office Engineer, he was responsible for the administrative work for the projects which included, but was not limited to, project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications, sampling, and test results, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights issues.

Inspector: As an Inspector, Mr. Hansen has been providing daily inspection and project oversight to ensure construction according to design plans and specifications while complying with current federal, state, and local requirements. His duties consisted of quality assurance of the contractor's work with regard to materials and construction. He was also responsible for documentation of the contractor's work and determining and tracking contract item quantities based on calculations from plan drawings and field measurements. He has also used Electronic Books to check project quantities.

## Project Experience

Greenman-Pedersen, Inc. 05/15-10/18; 06/20+.

Richmond-Bolton STP 2924(1); Chittenden County, VT. 06/22-06/24. Office Engineer. This project on US Route 2 began at Richmond Mile Marker 0.000 and extended easterly a distance of 8.261 miles to Bolton Mile Marker 1.866. Work performed for this project included coarse-milling bituminous pavement, concrete subsurface slab removal, subbase, base course, intermediate course, and wearing course of pavement, correcting superelevation deficiencies, pavement markings, guardrail improvements, drainage improvements, culvert replacements, signs, traffic signal improvements, and other related highway items. *Client: VAOT; Josh Hulett (RE)*

Essex NH 033-1(26) and Essex-Colchester STP 0207(4), Chittenden County, VT. 06/22-10/22. Office Engineer. Essex NH 033-1(26) – This project in the Town of Essex began at the intersection of VT Route 289 and VT Route 2A at Mile Marker 7.721 and extended easterly along VT Route 289 including all ramps for a distance of 4.133 miles to Mile Marker 11.854, the intersection of VT Route 289 and VT Route 117. Also, this project included on VT Route 2A in the Town of Essex beginning at the intersection of VT Route 289, On Ramp A at Mile Marker 2.485 and extended northerly along VT Route 2A for a distance of 0.225 miles to the intersection of VT Route 289, Off Ramp D at Mile Marker 2.710. Work performed for this project included coarse-milling, resurfacing existing highway with bituminous concrete leveling course and a wearing course, guardrail improvements, pavement markings, and other highway related items. Work includes mainline improvements as well as ramps at Exit 7, 9, 10, and 12. Essex-Colchester STP 0207(4) – This project on VT Route 2A in the Town of Essex began at the Class 1 limits at Mile Marker 1.093 and extended northerly a distance of 1.392 miles to the intersection of VT Route 289, On Ramp A at Mile Marker 2.485. The project resumed in the Town of Essex at the Intersection of VT Route 289, Off Ramp D at Mile Marker 2.710 and extended northerly along VT Route 2A for a distance of 3.195 miles to the Intersection of US Route 7 in the Town of Colchester at Mile Marker 2.405. The project resumed in the Town of Colchester at the intersection of VT Route 127 and US Route 7 at Mile Marker 0.000 and extended westerly for a distance of 0.116 miles to the intersection of VT Route 127 and VT Route 2A at Mile Marker 0.118. Work performed for this project included coarse-milling, resurfacing existing highway with a bituminous concrete leveling course and a wearing course, guardrail improvements, pavement markings, and other highway related items. *Client: VAOT; Kara Yelinek (RE)*

Hardwick STP 037-3(7), Caledonia County, VT. 08/22-10/22. Office Engineer. This project on VT Route 16 in the Town of Hardwick began at Mile Marker 0.184 (Station 9+70.00) and extended easterly for 0.014 miles (75.00 ft) to Mile Marker 0.198 (Station 10+45.00). Work performed for this project along the Lamoille River included stream bank stabilization, stone fill, culvert replacement in an 18- to 20-foot-deep excavation, channel realignment, and other highway related items.

Hardwick STP PC23(1), Caledonia County, VT. 04/22-10/22. Office Engineer. This project on VT Route 14 in the Town of Hardwick began at Mile Marker 0.991 (Station 52+33) and extended northerly to the intersection of VT Route 14 and VT Route 15 at Mile Marker 1.515 (Station 80+00.00) (on VT Route 15 this is Mile Marker 3.351 = Station 176+92). The project also included on VT Route 15/VT Route 14 in the Town of Hardwick beginning at Mile Marker 2.206 (Station 116+50) and extending easterly to VT Route 15 Mile Marker 3.659 (Station 193+22). The total length of the project was 1.977 miles (10,439 ft). Work performed for this project included coarse-milling, resurfacing with leveling and wearing course, pavement markings, signage, sidewalk ramps and curb, and other related highway items. *Client: VAOT; Matt Birchard (RE)*

Groton-Newbury STP PS19(2), Caledonia & Orange Counties, VT. 04/21-12/21. Office Engineer. GPI provided construction inspection services for this project. This project on US 302 began at Groton Mile Marker 4.736 and extended easterly 11.435 miles to Newbury Mile Marker 4.580. Work performed for this project included cold-in-place recycling, coarse milling, resurfacing with leveling and wearing courses, guardrail, signs, drainage improvements, pavement markings, and other related highway items. *Client: VAOT; Michael Booth (RE)*

Waterford-St Johnsbury IM 091-3(52) & Barnet IM 091-2(82), Caledonia County, VT. 04/21-10/21. Office Engineer. Waterford-St Johnsbury IM 091-3(52) – This ledge scaling project was adjacent to and right of the Interstate 93 North to Interstate 91 North ramp (Ramp C) beginning at Ramp C Mile Marker 0.015 and extended 1,320-ft to Ramp C Mile Marker 0.265. Work performed for this project included hand scaling, machine scaling, and other highway related items. Barnet IM 091-2(82) – This ledge scaling project was adjacent to Interstate 91 North, right and left, beginning at Mile Marker 122.015 and extended north 0.26 miles to Mile Marker 122.275. Work performed for this project included hand scaling and other highway related items. *Client: VAOT; Mike Booth (RE)*

Hartford IM 091-2(90), Windsor County, VT. 07/20-12/21. Office Engineer This project is on Interstate 91 on Bridges 44 North and South. Work performed under this project includes replacement of the finger plate joints, concrete deck repair work, membrane, pavement, repointing of granite bridge curb, and roadway approach work. *Client: VAOT; Mike Booth, Resident Engineer (RE)*

Fairlee IM 091-2(86), Orange County, VT. 07/20-11/20. Office Engineer. This ledge stabilization project on Interstate 91 began at Southbound MM 92.599 and extended to MM 92.746. Work performed under this project included clearing and grubbing, hand scaling with vegetation removal, rock doweling, and hand-packed mortar installation. *Client: VAOT; Mike Booth (RE)*

Windsor-Hartland STP FPAV(31), Windsor County, VT. 06/20-11/20. Office Engineer. This paving project located on US 5 began at Windsor MM 0.800 and extended 2.463 miles to MM 3.263. The project resumed at Windsor MM 4.057 and extended 10.460 miles to Hartland MM 7.672. Work performed under this project included coarse milling, leveling, and wearing courses of pavement, guardrail, pavement markings, centerline rumble strips, and other highway related items. *Client: VAOT; Mike Booth (RE)*

Adirondack Welcome Center on I-87, Queensbury, NY. 07/18-08/18. Inspector. Work performed under this project included the construction of a new Welcome Center including the building, parking areas, water, sewer, drainage, landscaping, and other related items. *Client: New York State Thruway Authority*

Rutland Town NHG 019-3(60), VT. 10/17. Inspector. Work performed under this project included the replacement and upgrade of traffic signal equipment to include new mast arms and poles, new vehicle detection, new pedestrian equipment, a new signal controller, and other highway related items at the intersection of US 7 and Seward Road. *Client: VAOT; Jace Curtis (RE)*

Plymouth ER 0149(6), VT. 06/17-09/17. Inspector. Work performed under this project included slope stabilization, cold planing, pavement, guardrail, drainage, pavement markings, and other highway related items on VT 100A. *Client: VAOT; Chris Williams (RE)*

Ludlow STP Deck(39), VT. 04/17-04/17. Inspector. Work performed under this project included replacement of the existing bridge deck on VT 100 including related approach work. *Client: VAOT; Chris Williams (RE)*

Castleton STP 2033(26), VT. 08/16-09/16. Inspector. Work performed under this project included reconstruction of an existing railroad crossing, LED lights, relocated cantilever with new flashers and gates, new north crossing gate with flashers, pavement markings, and other highway related items on Blissville Road. *Client: VAOT; Chris Williams (RE)*

Clarendon BRO 1443(48), Clarendon VT. 06/16-08/16. Inspector. Work performed under this project included replacement of Bridge 11 on VT 133 with a new precast concrete structure with related approach and channel work. *Client: VAOT; Chris Williams (RE)*

Weston BF 013-2(13), Weston VT. 05/16-07/16. Inspector. Work performed under this project included replacement of Bridge 98 on VT 100 on the existing alignment with related approach and channel work. *Client: VAOT; Chris Williams (RE)*

Rutland-Leicester FRT11(024), Southwest Region, VT. 05/16-07/16. Inspector. Work performed under this project included replacement of existing jointed rail with continuously welded rail, cross ties, reconstruction of several highway and private crossings, switch replacements, and resurfacing of the track on three segments of the Vermont Rail System. *Client: VAOT; Chris Williams (RE)*

Statewide HES GARD(2), Southwest Region, VT. 11/15-12/15. Inspector. Work performed under this project included removal of weathering steel guardrail and replacement with new galvanized guardrail, and other highway related items. *Client: VAOT*

Rutland City BRF 3000(16)/Rutland Town BRF 3000(19), VT. 05/15-11/15. Inspector. Work performed under this project included replacement of bridges on TH 8 (River Street) and TH 10 (Dorr Drive) over the Otter Creek. One of the bridges was a two-span girder bridge with water and sewer lines attached. The bridges also included sidewalks and related approach and channel work. *Client: VAOT; Tim Pockette (RE)*

## Other Firm Experience

Horizons Engineering, Newport, VT. 11/18-11/19. Survey Technician. Performed property deed research. He used an RTK GPS and Total Station (conventional and robotic) to locate property corners and features, converted data into text files from data collectors, and took points from file and produced a survey plat.

Vermont Testing, Waterbury, VT. 05/14-08/14. Used a nuclear density gauge to test soil and asphalt compaction, tested temperature, and slump of concrete, used a chase air meter, made concrete cylinders for testing, broke concrete cylinders for testing, performed a sieve analysis, rebar inspection, and visual inspections.

North Country Engineering, Derby, VT. 05/12-08/12. Assembled and disassembled parts, handled raw steel, cut steel to length using metal band saw, used calipers to measure steel down to a thousandth of an inch, and used stamping machine to stamp American flag on product.

Vermont Technical College, Randolph, VT. 08/10+. Campus Maintenance. Responsibilities on the Randolph Center campus included mowing lawns, picking up trash and recycling, shoveling snow from walkways, and delivering papers and equipment.

# David J. Hoyne, PE

Senior Construction Engineer

**PROPOSED PROJECT ASSIGNMENT**: Claims Specialist

**EDUCATION:**
*BS/1989/Civil Engineering*

**REGISTRATIONS/CERTIFICATIONS:**
*1994/Professional Engineer/VT*
*AASHTO, Management Development Training, 1997*
*AGC Fall Protection Training, 2005*
*ASCE Leadership Development for the Engineer, 2008*
*ASCE Project Management, 2009*
*FHWA- Construction Program Management Workshop, 2005*
*FHWA-Bridge Maintenance Training, 2000*
*FHWA-NHI- Course No. 01-004 Highways in the River Environment, 1993*
*FHWA-NHI- Course No. 132014, Drilled Shafts, 2002*
*FHWA-NHI-Course 420018 Instructor Development Course, 2017*
*FHWA-NHI-Course Alternative Contracting, 2005*
*FHWA-NHI-Course No. 13049 Economical and Fatigue Resistant Steel Bridge Details, 1990*
*FHWA-NHI-Course No. 134064, Transportation Construction Quality Assurance, 2006*
*FHWA-NHI-Course No. 136065, Risk Management, 2008*
*NASBA Fraud Awareness for Managers, 2008*
*National Highway Institute Certified Instructor*
*OSHA 1926.21 Construction Hazard Awareness Training,*
*OSHA 1926.503 Fall Protection Certification and Inspection, 2012*
*PCI, Prestressed Concrete Bridge Design Course, 1996*
*Vermont Criminal Justice Training Council, ICS 100, 2012, ICS 200, 2013*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *5+*
**TOTAL YEARS EXPERIENCE:** *33+*

## Professional Profile

Mr. Hoyne is an expert with demonstrated leadership for all phases of program delivery in the field of transportation engineering. He is driven to inspire transportation professionals to seek excellence in their work, promote a culture of quality and the fundamental principles and canons of the engineering profession. Mr. Hoyne is a leader with a clear focus on safety.

Mr. Hoyne has built a successful career through the development of lasting and effective relationships with all stakeholders, maximizing employee potential by aligning employee strengths with opportunities, and leading organizational excellence through process improvement, performance management and documentation. Mr. Hoyne is an expert at constructability reviews, contract specifications, root cause analysis and developing solutions to move complicated challenges forward. Mr. Hoyne has extensive experience analyzing contractors claims, delays and disputes, and has served as an expert witness and lead negotiator for many complex claims and mediation.

## Project Experience

Greenman-Pedersen, Inc. 09/17+. As Senior Construction Engineer, Mr. Hoyne provides expertise with constructability reviews, claims analysis, client relationships for locally managed construction services contracts, a subject matter expert in construction engineering, asset management, process improvement, bridge management and inspection and will provide training and onboarding expertise for construction inspection staff.

Municipally Managed Projects. Mr. Hoyne is serving as the regional manager for resident engineer and construction inspection services for locally managed projects. Responsibilities include developing technical and cost proposals, contracting, client relations, and overall quality control of GPI's operations. Projects have included the Market Street reconstruction project in South Burlington, Sykes Mountain Avenue Roundabouts project in Hartford, and bridge, roadway, and sidewalk projects statewide.

North Hero-Grand Isle BHF 028-1(26); Grand Isle County, VT. 01/20-04/20. This project on US 2 is for the replacement of Bridge 8. This drawbridge is a historic twin leaf bascule bridge and is the only moveable bridge in the State of Vermont. The contractor was required to build a temporary drawbridge prior to replacing the existing drawbridge, so that impacts to vehicular traffic were minimized. The project encountered contaminated soils and Mr. Hoyne advised VTrans on the review of the contractor's pricing for extra work and the subsequent change order. The project was contracted following the Construction Manager/General Contractor (CMGC) process. *Client: VAOT; Taylor Waring (RE)*

Albany Port District Commission. 04/18-09/18 Mr. Hoyne provided expert guidance to the APDC as they navigate a notice of claim for a construction delay alleged by the contractor. *Client: Albany Port District Commission*

FHWA Bridge Preservation Expert Task Group. Mr. Hoyne is supporting the BPETG as the principal author for the communication plan, facilitation services for the development of the strategic plan and co-author for several of the technical guides promoting preservation such as the Bridge Washing, the Removal and Replacement of Bridge Coatings and Deck Patching guides.

National Highway Institute. Mr. Hoyne is a certified instructor teaching three courses for NHI including 130053 Bridge Inspection Refresher, 134067 Inspection of Bridge Rehabilitation Projects and 130091B Underwater Bridge Repair and Countermeasures. In addition, Mr. Hoyne is the subject matter expert for a new 6-hour web-based training (WBT) for construction inspectors and developed the technical content for the lessons.

West Virginia Department of Transportation. Mr. Hoyne was the principal investigator leading the team with the renewal of the WVDOT-DOH Contract Award Manual. This project is capturing the current state workflows for the prequalification, PS&E, procurement, and award processes including documentation of state and federal requirements, changes to the construction manual and standard specifications.

National Cooperative Highway Research Program (NCHRP) Mr. Hoyne is a subject matter expert for the 23-05 Guidance for Training and Certification of Construction Inspectors for Transportation Infrastructure and for Synthesis 52-06 Agency Use of Quality Control Plans for Administering Quality Assurance Specifications.

## Prior Firm Experience

AASHTO Subcommittee on Construction, Vice Chair, 2010-2017. Responsibilities included the development of the annual work plan, managing the committee functions in preparation and support of the annual meeting and providing support for the Chair and AASHTO committee liaison with committee matters.

Vermont Agency of Transportation (VTrans), Montpelier, VT. 2014-2017. Director, Construction & Materials Bureau. This position manages the Construction, Materials and Geotechnical Engineering Sections of VTrans. The Director has full responsibility for the leadership and management oversight of the Bureau, including budgetary, planning, policy, quality and performance. The Bureau consists of a staff of 118 engineers and technicians and manages an annual budget of $200M; it augments the workforce with consultant personal services contracts for construction inspection, plant inspectors and geotechnical engineering services.

Secured $3M in funding for the Construction Management System replacement project, a project that spans estimating, proposal preparation, procurement, contract management, Civil Rights and material management, which will replace the current client server versions with vendor hosted web-based applications.

Commissioned the new Materials Testing Laboratory with full AASHTO accreditation, deployed the Hamburg Wheel testing equipment, developed the recommendation to use polymer modified asphalt exclusively to counter premature wheel path erosion, and deployed a dashboard and reconciliation process to bring predictability and accountability to the material acceptance program.

Negotiated the global settlement for the $60M Brattleboro Bridge to Nature DB Contract, resolving multiple complex claims, differing site conditions, extreme weather events, liquidated damages and the revised no excuse completion date.

Represented VTrans as the SME in a false claim investigation and provided expert testimony as VTrans 30(b)(6) witness for a complex differing site conditions claim.
Oversaw development of a procedure's manual for Construction SME's.

Vermont Agency of Transportation (VTrans), Montpelier, VT. 2006-2017.State Construction Engineer. This position manages the Construction Section, which provides contract management services for the VTrans capital improvement program of highway, bridge and rail construction contracts. The Section consists of a staff of 75 engineers and technicians and manages an annual budget of $180M. Projects must be delivered in accordance with the contract provisions, the Code of Federal Regulation, State and Federal laws.

- Managed over 750 highway, bridge and rail construction contracts valued at $1.75 billion.
- Managed over 250 contractors claims to include complex contract terminations, global settlements, compensable delays and false claims.
- Oversaw the renewal of the Construction Manual, and the creation of the Regional Process Manual.
- Delivered the American Reinvestment and Recovery Act (ARRA) projects in accordance with Federal Audit requirements from 2009 through 2011.
- Provided staff and expert support to the Tropical Storm Irene Recovery effort in 2011.
- Served as Special Liaison between Unified Command and the Incident Commanders during Tropical Storm Irene Recovery.
- Served as Logistics Officer for the Statewide Irene Recovery Officer and its assignment to produce the Irene Recovery Report for the Governor in 2012.
- Served as Project Sponsor for VTrans' first Business Process Management Solution (BPMS). This pilot project demonstrated the potential of BPM and provided a fully automated process solution to the Finals Process (final contract reconciliation) using a cloud based application.
- Serves as VTrans expert witness in court proceeding for construction claims, have extensive experience with depositions, testified before administrative review boards, managed complex HR issues involving termination cases and served as the business point of contact for police investigations of theft and fraud.

Vermont Agency of Transportation (VTrans), Montpelier, VT. 2004-2005. Southwest Regional Construction Engineer. This is a full management position within the Construction Section responsible for the oversight of the Southwest Region.

- Supervision of the engineering, inspection, documentation, and administration of the contracts assigned to the Southwest Region.
- Oversaw construction of the Western Segment of the Bennington Bypass.
- Acted as the Construction SME for the rewrite of the Standard Specification for Highway Construction book.

Vermont Agency of Transportation (VTrans), Montpelier, VT. 2000-2003. Bridge Management Engineer. This is a full management position responsible for the oversight of the Bridge Management System, the Bridge Inspection Program, and the Steel Fabrication Inspection Program.

- Manage and guide the application of the Bridge Management System (PONTIS) to Vermont's network of bridges, including the Interstate, State and Town Highway Bridge Programs.
- Provide full oversight of the Bridge Inspection Program (NBIS) in accordance with Federal standards for inspections and reporting of data.
- Provide full oversight of the Overload permit review process for weight and height restrictions on Vermont's bridges.
- Provide full oversight of the Steel Fabrication Inspection program, including all structural steel, bearing, bridge railing and welding procedures for Agency projects.
- Provide full oversight for municipal and private utility projects when bridges are involved.
- Provide technical assistance to municipalities and Operations forces looking to preserve or rehabilitate structures.
- Serves as Project Manager for emergency repair projects.
- Prepares reports and makes presentations to Executive Staff, Legislative Committees, and other public groups regarding the status of the Bridge Program, new initiatives, and bridge condition forecasts.

Vermont Agency of Transportation, Montpelier, VT. 1996-1999. Pavement Management Program Engineer. This is a Project Manager level position responsible for the development of the annual Class 1 Town Highway, State System, and Interstate paving programs.

- Manage and guide the application of the Pavement Management System (dTIMS) to Vermont's network of highways.
- Develop a Preventive Maintenance program that includes securing Federal participation, project selection, and material & specification requirements.
- Manage the Paving Programs needs for the STIP and TIP process and program new projects.
- Administrate the Paving budget by determining program categories to meet Program goals, monitor expenditure profiles, obligational authority, and prepare necessary reports and documentation.
- Supervise Pavement Condition Survey team and the Database Administrator positions.
- Develop the final project specific recommendation, scope of work and cost.
- Oversee project testing using the Falling Weight Deflectometer, Mays Meter and coring equipment.
- Manage the Level and Seal program including budgeting, project selection, recording production rates and costs for use with the Pavement Management System.
- Develop the Pavement Management Annual Report; assist with policy development and review, including the Strategic Overview for the program.

Vermont Agency of Transportation, Montpelier, VT. 1989-1996. Bridge Designer. A full production engineer responsible for managing multiple projects from inception through to construction.

- All phases of design and preparation of contract plans for complicated bridge projects.
- Conduct Public Informational Meetings for bridge projects.
- Conduct preliminary site visits to establish scope of work, potential alignments, and environmental constraints.
- Designed the first two span prestressed voided slab continuous for live load at VTrans.
- Designed the first two span continuous hunched composite plate girder using LFD at VTrans.
- Designed and load rated several historic steel truss bridges for use on highways and shared use paths.
- Designed and load rated covered bridges for continued highway use.
- Deployed seismic bearings to distribute loadings to existing foundations from new continuous superstructure.
- Served as Chair of the Structures Design Manual and oversaw a complete rewrite of the document.

## Publications

- New England Transportation Consortium (NETC) Committee member on Thin Pavement Sections using Geogrids and Drainage GeoComposites.
- National Cooperative Highway Research Program (NCHRP) Topic 47-09 panel member for Practices for Establishing Contract Completion Dates for Highway Projects.
- NCHRP Task 386 panel member for the Update of the AASHTO 2008 Guide Specifications for Highway Construction.
- NCRHP 20-68A- US Domestic Scan Program scan team member for Scan 15-01 Developing and Maintaining Construction Inspection Competence.
- NCHRP 10-99 D02 panel member for the Guidebook for Implementing Constructability across the Entire Project Development Process: NEPA to Final Design.

## Volunteer

- Member of the Engineering Advisory Committee for Vermont Technical College. 2013-Present
- Norwich University; member of the Engineering Advisory Board, Board of Fellows. 2000-2008
- Capital Soccer Club; member of the Board of Directors. 2008-2014
- Town of Fayston; past member of the Town Planning Commission. 2000-2004
- Town of Fayston; past town representative to the Central Vermont Regional Planning Commission.1995-1999
- Fayston Elementary School; past Co-Chair of Winter Sports Committee. 2006-2010

# Matthew Hudson

Technician III

**PROPOSED PROJECT ASSIGNMENT**: Inspector

**EDUCATION:**
*HS Diploma/Union District #32/ East Montpelier, VT/1985*

**REGISTRATIONS/CERTIFICATIONS:**
*ACI Concrete Field-Testing Technician Grade I – 2023 (Anticipated)*
*ATSSA Traffic Control Coordinator - 2016*
*NETTCP HMA Paving Inspector - 2023 (Anticipated Recertification)*
*Nuclear Density Gauge*
*OSHA 10-Hour*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *8*
**TOTAL YEARS EXPERIENCE:** *38+*

## Professional Profile

Mr. Hudson was employed with Vermont Survey and Engineering from 1986 to 2015. As Senior Survey Party Chief, he assisted in estimating projects and was responsible for all types of surveys, including topographic modeling, construction survey, as-built surveys, and boundary surveys. He is an experienced AutoCAD operator and has used MicroStation as an Engineering Technician. He was involved with computing alignments, grades, and quantities for highway related projects. He is experienced in utilizing survey equipment, including Topcon GTS Series Total Station, Leica Robotic Total Station, Leica Digital Level, and Leica GPS. He is knowledgeable in AutoCAD Land Desktop 2009 and MicroStation. He has now spent several years performing construction inspection and surveying for GPI.

Mr. Hudson has served on the following projects as a Chief Inspector, Inspector, and/or Surveyor.

Chief Inspector: As Chief Inspector, Mr. Hudson was accountable for surveys, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements, and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included. As Chief Inspector, he delegated duties to the Inspector(s) and the Office Engineer.

Inspector: As an Inspector, he was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 04/15+.

Ryegate-St Johnsbury IM SURF(70), Caledonia County, VT. 04/22-10/22. Chief Inspector. This project on Interstate 91 Northbound began at Mile Marker 115.132 and extended northerly a distance of 14.693 miles to Mile Marker 129.825. Work performed for this project included patching, pothole repair, crack sealing, fine-milling and inlaying with bonded wearing course on the existing interstate typical, pavement markings, guardrail improvements, and other related highway items. *Client: VAOT; Contact: Jay Strong (RE)*

Groton-Newbury STP PS19(2), Caledonia and Orange Counties, VT. 04/21-11/21. Inspector. This project on US 302 began at Groton Mile Marker 4.736 and extended easterly 11.435 miles to Newbury Mile Marker 4.580. Work performed for this project included cold-in-place recycling, coarse milling, resurfacing with leveling and wearing courses, guardrail, signs, drainage improvements, pavement markings, and other related highway items. *Client: VAOT; Michael Booth (RE)*

Wallingford-Rutland NHG SIGN(68); Rutland County, VT. 06/20-11/20. Chief Inspector. This project on US 7 began at Wallingford MM 0.000 and extended 13.927 miles to Rutland MM 1.177. Work performed under this project included the removal of existing signs, signposts, overhead sign supports, guardrail, and the installation of new signs, signposts, overhead sign supports, guardrail, and other highway related items. *Client: VAOT; Chris Williams (RE)*

Pittsford NH 019-3(491), Pittsford, Rutland County, VT. 05/20-11/20. Inspector. This project began on US 7 at MM 1.350 and extended northerly 1.405 miles to MM 2.755. Work to be performed under this project included the removal and disposal of the existing concrete roadway, realignment, widening, full depth reconstruction, grading, drainage, relocation of aerial utilities, construction of three bridges (#106, #107, and #107A) using precast concrete structures, paving, and other related highway items. *Client: VAOT; Chris Williams (RE)*

Statewide Southeast STPG SIGN (67), Multiple Towns, Southeast Region, VT. 10/19-11/19. Inspector. Project scope performed under this project included the removal of existing signs and posts and the installation of new signs and posts on multiple routes in multiple towns in the Southeast Region. *Client: VAOT; Chris Williams (RE)*

Statewide SW STPG SIGN(64), Multiple Towns, Southwest Region, VT. 10/19. Inspector. Work performed under this project included the removal of existing signs and posts and the installation of new signs and posts on multiple routes in multiple towns in the Southwest Region. *Client: VAOT; Chris Williams (RE)*

Fair Haven STP PC19(2), VT. 10/19. Inspector. Work to be performed under this project included coarse milling and paving with a leveling course and wearing course on 1.1 miles of VT Route 22A. Project also consisted of new pavement markings, new signs, drainage rehabilitation, and reconstruction of an at-grade railroad crossing. *Client: VAOT; Chris Williams (RE)*

Manchester STP 2970(1) & Manchester STP BP 15(5), VT. 06/18-10/18 and 04/19-09/19. Inspector. These projects consisted of cold planing and paving with a leveling course and a wearing course, overlay with a wearing course, pavement markings, signs, drainage improvement, a highway-railroad grade crossing reconstruction and rail signal improvements, stop bar detection, pedestrian signal system modifications, construction of new curbs and drainage features, and connecting into the existing drainage system; installation of tree pits and green strips; planting trees, shrubs, and perennials and establishing turf; reconstruction of sidewalk sections to meet ADA standards; installation of street lighting conduit, street lighting bases, poles, luminaires, and electrical meters; and associated incidental construction features. *Client: VAOT; Chris Williams (RE)*

Bennington NH 2966(1) & Bennington STP 2973(1), VT. 06/18-10/18. Inspector. Work performed under this project included cold planing and resurfacing of the existing highway with a shim/leveling course and a wearing course, new pavement markings, drainage improvements, an at-grade rail crossing rehabilitation, video vehicle detection systems, sidewalk ramps, new signs, and other highway related items. *Client: VAOT; Chris Williams (RE)*

Rutland-Killington ER NH 020-2(36), VT. 04/17-10/17. Inspector. This project on US 4 included cold planing and resurfacing of the existing highway with binder and wearing courses, pavement markings, guardrail, signs, new precast box culvert, ledge removal, and other highway related items. *Client: VAOT; Tim Pockette (RE)*

Colchester STP 5600(9)S, VT. 06/17. Surveyor. Work included roadway and intersection reconstruction, including the construction and interconnection of a new drinking water system into existing water infrastructure, the construction of a new stormwater collection and treatment system, redesign of roadway subbase in areas in areas with marginal or failing roadway subgrades, total roadway reconstruction in areas of unstable and failing roadway subgrade, the installation of new traffic signal and street lighting systems, the installation of underground electrical and communications utilities for traffic signals and lighting, and other highway related items. Mr. Hudson provided survey assistance for this project as well as instruction to other inspectors on the use of survey equipment. *Client: VAOT; Chris Achilles (RE)*

US 7 Wallingford-Rutland/Manchester-Rutland Town NH SURF(50), VT. 04/16-12/16. Inspector. This project included surface preparation involving patching, micro-milling, pothole repair, crack sealing, overlaying with bituminous surface treatment, traffic signal upgrades, traffic markings, rail crossing upgrades and other highway related items. *Client: VAOT; Ron Lemaire (RE)*

Mendon ER NH 020-2(39), VT. 05/16-10/16. Surveyor. Work included the stabilization of a ravine, channel work, installation of a new culvert, and other highway related items. Mr. Hudson was the survey party chief for this project. *Client: VAOT; Tim Pockette (RE)*

Berlin STP 2935(1), Berlin NH STP 2938(1), Berlin NH STP 2947(1), VT. 08/15-11/15. Surveyor/Inspector. Work for this contract included cold-planing, reclaiming, and stabilizing with cement, cold-mix, leveling, intermediate, and wearing courses of pavement, guardrail, signs, drainage improvements, signs, and pavement markings. Mr. Hudson was the survey party chief for this contract. He also performed inspection tasks when he wasn't busy with survey duties. *Client: VAOT; Sandy Schmitt (RE)*

Paving Project on VT 11, VT. 04/15-08/15. Inspector. Work for this contract included cold-planing, leveling, and wearing courses of pavement, guardrail, signs, drainage improvements, signs, and pavement markings. *Client: VAOT*

## Prior Firm Experience

Vermont Survey and Engineering, Montpellier VT. 06/86-01/15. Survey Party Chief. Responsible for many VTrans' projects all over the State. Mr. Hudson maintains a good working knowledge of Vermont's transportation construction procedures. A list of the major projects Mr. Hudson worked on follows:

- Bennington Bypass, VT. Survey Party Chief. Responsible for the layout of all Centerlines Ramps, Mainline and drainage structures providing Off Set stakes for Construction people to work off.
- Rutland to Woodstock Road Survey, VT. Survey Party Chief. Traversed for 14.5 miles to provide topography every 50-ft for a 3D model of the road surface for drainage and quantities for resurfacing.
- Burlington International Airport, VT. Survey Party Chief. Responsible for the layout for resurfacing and extension of runway, numerous Taxiway resurfacing projects, Also, performed layout for parking garage expansion. Mr. Hudson is 'Airport Badged' to drive anywhere unescorted.
- Numerous Verizon Sites, VT. Survey Party Chief. Responsible for the topographic survey, deed research, and set lease area pins for over 100 Verizon Wireless locations.
- Lowell Wind Turbines, VT. Survey Party Chief. Responsible for the topographic survey for 1.5 miles of the Lowell Vermont Wind Turbine site to provide 3d model data for development of wind turbines.

Summit Engineering, Reno, NV. 1985-1986. Land Surveyor.

# Daniel Hull

Civil Engineer III

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector/Office Engineer

**EDUCATION:**
*BS/1990/Civil Engineering*

**REGISTRATIONS/CERTIFICATIONS:**
*ACI Concrete Field-Testing Technician, Grade I – 2023 (Anticipated Recertification)*
*ATSSA Traffic Control Technician/Supervisor*
*CPESC #7226*
*CWI Part B-2023 (Anticipated)*
*EM 385-1-1 40 Hour Safety-2022*
*FDOT, Approved Traffic Safety in the Work Area*
*ICC Structural Steel Bolting*
*International Municipal Signal Association, Work Zone Safety Specialist*
*Line Sweep Certification, Anritsu Site Master*
*Managing Construction Projects (Lorman Ed)*
*NETCCP Concrete Inspector-2022*
*NETTCP Drilled Shaft Inspector-Expired*
*NETTCP Driven Pile Inspector-2023 (Anticipated Recertification)*
*NETTCP HMA Paving Inspector-2022*
*NETCCP Soils & Aggregates Inspector-2018*
*NETTCP QA Technologist-2021*
*Northwestern University, Identification and Treatment of High Hazard Locations*
*OSHA 10 & 30-hour training course*
*OSHA, Confined Space Entry*
*PCI Concrete Bridge Inspect Level 1 & 2*
*ROADS & RIVERS TRAINING PROGRAM (ANR/VAOT) – Tier 1*
*SBA Tower Safety and Rescue*
*Troxler Nuclear Gauge Certification*
*VOSHA COVID-19 Workplace Protection*
*Writing Skills for the Technical Professional*

**YEARS WITH FIRM:** *20*
**TOTAL YEARS EXPERIENCE:** *32*

## Professional Profile

Mr. Hull has excellent experience in many areas including construction management and inspection/office engineer, construction project manager, estimating, and environmental engineering. Computer skills include AGTEK, Primavera, ExecuTrain, Microsoft Word & Excel, and VAOT Site Manager.

## Project Experience

Greenman-Pedersen, Inc. 01/03+.

Woodford NH 010-1(51), Bennington County, VT. 05/21-11/22. Office Engineer. This ledge stabilization project on VT 9 began at Mile Marker 2.888 and extended easterly 0.152 miles to Mile Marker 3.040. Work performed for this project included solid rock excavation, hand scaling, rock dowel installation, rock drain installation, shear key installation, vegetation and overburden removal, and other highway related items. *Client: VAOT; Chris Williams (RE)*

Tappan Zee Bridge Replacement (Mario Cuomo Bridge) over the Hudson River [PIN 8TZ.100]; South Nyack, Tarrytown, NY. 03/14-04/20. GPI, as part of the winning team for the Tappan Zee Bridge Replacement project, is providing independent quality assurance services for design and construction. This $3.14B bridge replacement project involves a signature three-mile crossing over the Hudson River that is to be the widest bridge of that length in the world. Key features include twin spans with a total of eight general traffic lanes, plus emergency lanes and extra-wide shoulders for immediate bus service when opened; unique towers that tilt outward for additional strength and also eliminate the need for cross beams; a first-ever dedicated bicycle and pedestrian path with safe, scenic spots and cultural information about the region's heritage, as well as capability for bus rapid transit, light rail or commuter rail; and a new night light display with potentially changing patterns. As the independent quality assurance engineer for design and construction, GPI is responsible for providing a quality review of the work being performed and overseeing and/or performing quality audits of the Design-Builder's management, design and construction activities, the Design-Builder's Quality Control procedures, Verification Sampling and Testing and the quality of the final product, utilizing ISO 9001 standards. Roles performed, while serving on this project include:

QA Lead for Steel Reinforcement Project Wide. Provided lead Quality Assurance for various QA functions at onsite/offsite facilities and supported the QA team of inspector's onsite/offsite during accelerate times of production. Steel reinforcement and accessories were to meet stringent Project Specific Specifications and be documented with proper certifications and Independent/Production Testing for each delivery of material were met/performed. Suppliers of steel reinforcement and accessories included Gerdau, CMC, Nucor, Dayton Superior and Erico to name a few. The majority of products were required to meet ASTM 767/123/153 compliance for galvanized steel reinforcement and steel components as well. These galvanized products included couplers, bar-lock couplers, inserts, sleeves, stainless steel components and rebar, headed anchors (forged, Threaded, Fusion) for reinforcing. This QA Lead position included supporting QA Staff onsite for a current estimate of over 75 million pounds of rebar for Cast-In-Place operations onsite. At offsite facilities QA Lead supported QA staff inspectors at fabrication, mill, and precast plants such as: Gerdau, Barker-Harris Steel, Bay-Shore Precast, Fort Miller Precast, Coastal Precast and Unistress Precast to name some of a long list.

Senior Inspector for Main Span, Approach Span, OHSS Structural Steel Assembly and Bolt Testing. Performed various structural steel assembly and bolt Torque Verifications at all Pre-tensioned bolt connections. QA Activities included review of all Certificate of Conformance documents for Structural members received at Tomkins Cove, NY, Tappan Zee Constructors assembly yard. Members included Anchor Pipes, Stay in Place Forms and Anchor Boxes for Cable Stay Anchorages cast into Main Span Tower Lifts. Other

members included Primary Steel Members Main Span Edge Girders, Floor Beams, Struts, Baffle Plates and Redundancy Trusses from the CanAm Company fabrication plants along with miscellaneous Steel Components (Electrical Conduit racks, Air/Water Mechanical racks, and Catwalk systems. All components for Main Span were assembled to a snug tight condition when at that time the connections nuts, bolts and washers were matched marked for proper turn of nut pre-tensioning. Each Lot assembly (Nut, Bolt and Washer) were torque verified in place at each connection as specified on project and in the NYSSCM. Each lot assembly had also gone through upfront testing as well including Pre-Install Verifications, QA Witness Rotational Capacity Tests and Sampled for Physical and Chemical Properties. All above works were also performed on approach steel assemblies at the Mario Cuomo Bridge and new Over Head Sign Structures (OHSS), as well.

Senior Inspector for Steel Pile Driving. Performed pile Driving QA inspections for driven steel pile casings for the Approach and Main Span Units of the new east/west bound alignment of the Mario Cuomo Bridge (Formerly New NY Bridge/New Tappan Zee Bridge).

Senior Inspector for Pile Cap Precast. Senior QA Inspector, Bay-Shore Precast Facility, Cape Charles, VA. Inspections involved review of contract drawings with respect to shop drawing approvals for the construction of the pile cap foundation tubs. Much responsibility placed on QA inspection at the facility due to the nature of the design-build format of the project. Duties included reviewing and accepting material certifications for all materials that make-up a pile cap tub. Performed pre-pour, pour, post pour and marine transport inspections. Four different form setups were used for construction of these tubs, which when completed weighed 180-350 tons each.

- Provided fill-in QA inspection at the Coastal Precast Systems facility (Chesapeake, Virginia) where the large Pier Cap units were cast.
- Provide fill-in QA inspection at the Fort Miller Precast facility (Greenwich, NY) where the Main Span Deck Panels were cast.
- Provided fill-in QA inspection at the Unistress Precast facility (Pittsfield, Mass) where the Approach Deck Panels were cast.

*Client: Tappan Zee Constructors, LLC/ New York State Thruway Authority; Sam Choy, 914.789.3226, sam.choy@tzc-llc.com*

SLSDC Eisenhower Lock Miter Gate Rehab, Massena, NY. 01/14 -03/14. NACE Senior Inspection. Duties included project oversight, daily work reports, tracking project progress, reporting to Federal DOT Technical Representative, inspection for abrasive blast cleaning of lock miter gates, lead paint removal, structural steel repairs, and placement inspection of a zinc coat prime and a final marine vinyl coating application to ensure St. Lawrence Seaway Development Corporation and Federal Department of Transportation specifications are met. *Client: St. Lawrence Seaway Development Corporation/Federal Department of Transportation*

Highgate STP 0297(8), VT. 08/05/13-11/28/13. Provided construction inspection services for a landslide/slope rehabilitation project, which included significant structure excavation and phased earth shoring for a safe work area. Slope repairs included the inspection, testing and sampling of grouted soil anchor/nails, rock dowels and rock anchors, which were tied in a wire mesh blanket system on the new slope. Other improvements included a short duration road closure and installation of 12" underdrain to reduce groundwater impacts in the future. *Client: Vermont Agency of Transportation*

Swanton 089-3(70), VT. 08/05/13-11/28/13. Provided part time inspection services for Interstate 89 bridge deck/superstructure and substructure rehabilitation repairs. Improvements included sounding and classifying Type I, II & III repair types and preparation prior to concrete mix placement. Other improvements included membrane torch applied, new asphalt on decks and granite curb re-pointing. *Client: Vermont Agency of Transportation*

Richmond-Highgate IM BPNT(9), VT. 08/05/13-11/28/13. Provided weekend inspection support with NACE CIP Level I services at Interstate bridges within the Town limits of St. Albans & Richmond. Inspected abrasive blast cleaning with visual standards within approved containments suspended above the closed lanes of the Interstate 89. *Client: Vermont Agency of Transportation*

Brattleboro-Rockingham IM SURF(37), VT. 05/10/13- 08/05/13. Construction inspection on Interstate 91 for a 23.7-mile NB & SB resurfacing project, which included the paver placed surface treatment Type 'C' from edge line to edge line and atop some bridge decks that required resurfacing also. Other improvements included interchange ramp reconstructing and bridge joints repairs with rapid setting concrete and asphaltic plug joint work. *Client: Vermont Agency of Transportation*

Maine DOT Prestressed Concrete Inspection. 04/01/13-05/10/13. For 136-ft in length 57" in height bulb tees. Plant inspection at Carrara's in Middlebury, VT. Project was the design build for Martins' Point Bay (Prime was CPM Constructors, Designer was VHB). *Client: MaineDOT*

NHDOT Prestressed Concrete Plant Inspection. 10/1/12-10/31/12. Provided Plant Inspection for eight 93'-4"-long bulb tee beams at the Carrara Concrete Plant in Middlebury, VT. These will be used for the I-93 corridor project in Londonderry, NH. *Client: NHDOT; Contact: Jim Amrol*

VTrans Montpelier Central Office Construction Division, VT. 08/15/12-10/01/12. Providing constructability plan review services for the construction division of VTrans. This was a temporary substitute fill-in assignment for another GPI employee. Projects reviewed included an integral bridge project with precast prestressed components that will set in field with post tensioning. Also, included Paving, reclamation, and safety projects. *Client: Vermont Agency of Transportation, Contact: Scott Robertson or Mike Pelligrato*

VTrans Springfield-Hartford STPG SIGN(33). 5/21/12 to 8/15/12. Providing Construction inspection support for a 5 Town (Springfield,

Weathersfield, Windsor, Hartland, Hartford) Sign replacement project along Route 5 in the County of Windsor, VT. *Client: Vermont Agency of Transportation; Contact: Mark Haughwout and Ann Gammell*

FEMA & FHWA – Town of Newfane Emergency Project Manager Extension of Services. 02/05/12-05/21/12 & 10/31/12+. Activities included support to the Town of Newfane for Dover Road (FHWA) Cost Reimbursement Worksheet preparation for contracted material, equipment and labor utilized within the first 180 days after the Tropical Storm Irene disaster. Also, provided similar support to Town of Newfane for organizing all its costs accrued for FEMA projects located across its Town boundaries. Tasks for FEMA projects also involved preparing a Cost analysis package for an Alternate Project (Purchase private land in lieu of constructing damaged Town Bridge), Hazard Mitigation Grant Program Applications for the buyouts of destroyed properties and in one case an upgrade of culvert capacity to reduce future flood damages. Provided quick bid preparation and solicitations for remaining small rehab projects that involved Stone fill placement in slopes and stabilization of exposed areas. Also prepared a bid package for design services required to rebuild a New Bridge structure, which now has a temporary Mabey bridge structure. *Client: Town of Newfane, VT*

FEMA & FHWA/VTrans Flood Emergency Project Manager in Newfane, VT. 09/02/11-02/05/12. Activities included onsite construction management/inspection for numerous rehabilitative areas requiring work in an expeditious timeframe. Coordinated with local/State and Federal representatives and six private civil contractors for Emergency work and debris removal. Disaster area in Newfane required rehabilitation of roadways, replacement of bridge structures and steel H Pile Driving, temporary Mabey Bridge design and construction, drainage replacements, asphalt paving and guardrail installations. *Contact: Roger Thompson of FHWA 802-828-4575, VTrans' Tammy Ellis & John Alexander 802-254-5011, Town of Newfane's Todd Lawley, Chris Williams, Shannon Meckle, Dennis Wiswall 802.365.7772*

Hartland-Norwich AC IM 091-1(59). 07/11-09/11. Inspector. Construction inspection for 18 miles Interstate 91 Mill and Resurface project including safety improvements for guardrail, signs, Super-elevation and cross slope correction and associated drainage improvements. $7M. *Client: Vermont Agency of Transportation*

Carrier Corporation (United Technologies Corp), PCB-Lead NACE Abatement at Structural Steel, Syracuse, NY. 01/11-02/11. Inspector. Under a GPI NACE III peer supervisor, provided Level I visual inspections of Structural Steel Surface preparation Cleanliness according to NACE No. 2/SSPC SP 10 Near-White Blast Cleaning of large building steel members and overhead crane beams during the pre-demolition operations at the TR-1 facility. *Client: United Technologies; Contact: Nelson Wong, Tracey Petta*

Westminster Springfield AC IM 091-1(62), VT. 07/10-12/10 and 04/11-07/11. Office Engineer/Field Inspector for 16 miles of Interstate 91 mill and Superpave asphaltic concrete mix paving along with ramp widening at interchanges, guardrail/sign replacements, drainage structure rehabilitations and ploy urea striping. $6M. *Client: Vermont Agency of Transportation*

Windsor Hartland IM MEMB (14)-1, VT. 04/10-09/10. Part-time Field Inspector. Interstate 91, bridge membrane deck rehabilitations involving the sounding/classifying and payment of Class I, II and III repairs along with ACI field testing. Superpave asphaltic concrete mix paving on membrane was also involved in the inspections. $1.5M. *Client: Vermont Agency of Transportation*

NHDOT Rochester Bridge, NH. 01/10-03/10. Pre-Stress Concrete Inspector at Carrara's Plant in Middlebury, VT. Inspection of bridge deck panels that were poured with SCC (Self Consolidating Concrete). Included the inspection of form preparation, pre-stressing of strands and releases, rebar and insert placements along with air, spread tests and cylinder breaks on the mix and post pour panel storage. *Client: NHDOT*

Rockingham BHO 1442(34), VT. 06/09-08/10. Office Engineer/Bridge Inspector on a historic wooden covered bridge. The in-place rehabilitation involved the temporary shoring, removal and replacement of secondary and lower chord members and lattice member replacements. The primary lower chords were replaced with 84ft glulam members. Other improvements included new bolster beams, roof members, glulam approach span, wood and steel guardrail, deck, and siding replacement. Insecticide/Fungicide, fire retardant treatments were applied to the interior and out and a new fire electrical (known resistance) fire detection system was installed. $505K *Client: Vermont Agency of Transportation*

Rockingham Chester NH 2628(1)-1, VT. 03/09-12/09. Office Engineer/Field Inspector. Provided construction inspection services for 8.7 miles of VT Route 103. Project involved milling and resurfacing with a leveling and wearing surface of Superpave asphaltic concrete, drainage inlet rehabilitation, swale and stone fill work, guardrail, signage, and thermoplastic striping. This project required coordination with Rockingham NH CULV(15) contract within the same limits of VT Route 103. $4M. *Client: Vermont Agency of Transportation*

Rockingham NH CULV(15), VT. 06/09-12/09. Office Engineer/Field Inspector. New box culvert constructed under VT 103. Inspection included environmental compliance during the excavation and backfill of the box culvert and other associated roadway reconstruction improvements. A large Mabey shoring system was utilized during the excavation. *Client: Vermont Agency of Transportation*

Springfield-Windsor IM 091-1(55), VT. 08/08-12/08. Field Inspector/Office Engineer. 12-mile Interstate 91, mill and Superpave asphaltic concrete mix paving along with drainage structure rehabilitations, guardrail/sign replacements and poly urea striping. $6M. *Client: Vermont Agency of Transportation*

VT-Hartford IM BLDG(10), VT. 09/08-12/08. Part Time Inspector. Fill in field inspector for new force main and gravity sewer line installation including new manholes and air release valves. $1.8M. *Client: Vermont Agency of Transportation*

Chester-Springfield ST 2612(1), VT. 08/08-11/08. Office Engineer. For the inspection of 6.65-miles of VT Route 11. The project involved

the milling and resurfacing with Superpave asphalt concrete mix, drainage inlet rehabilitation, expansion joint repair (rapid setting concrete and asphaltic plug) and durable striping. $900k. *Client: Vermont Agency of Transportation*

Bennington Bypass AC NH 109-1(52) (53). 03/08-07/08. Environmental Construction Inspector. These two projects include the new alignment construction of a limited access highway, which runs through and adjacent to sensitive wetlands and streams. Permit compliance was the major task; ensuring contractor followed the approved Erosion Prevention and Sediment Control (EPSC) Plan for the project. Tasks involved assessing site conditions at various phases of construction and made recommendations to reduce erosion and sediment runoff from the site. Activities also involved turbidity sampling and authored written weekly reports to detail the status of the projects(s) to the Agency of Natural Resources of Vermont as required in the State and US Army Corp of Engineers permits. *Client: Vermont Agency of Transportation*

South Burlington NH 121-1(1), VT. 07/06-12/07. Environmental Compliance inspection for the Kennedy Drive 2 to 4 lane reconstruction project located in South Burlington. Inspection involved permit compliance with Vermont ANR and ARMY Corp permits during onsite activities and offsite waste site areas. This project involved road excavation and embankments, Tensar slope stabilization, stone fill slopes and swales, drainage improvements including construction of seven storm water treatment ponds, roadway improvements including select base materials and Superpave asphalt concrete mix for base and wearing courses, granite curb, cast in place sidewalks, new signals for pedestrian crossings and traffic, landscaping and final thermoplastic striping. Low Bid: $7.6M. *Client: Vermont Agency of Transportation & City of South Burlington, VT*

South Burlington ACIM-089-3(37), VT. 07/06-09/06. Construction inspection for Interstate 89 Exit 14 SB on/off ramps and VT Route 2 widening. Project involved day and nighttime work shifts, which required phased traffic control. Other improvements included full depth excavation and backfill of select base materials for VT Route 2 and exit 14 ramp reconstructed widening, drainage inlets, piping and under drain, stone fill swale and slope build out, concrete sidewalks, remove and reset granite curb, guardrail relocation, signs including overhead truss setups at off ramp and interstate mainline, light pole installations with new electrical services, traffic video sensors for timing at new signals with interconnecting cable to existing VT Route 2 system and final durable striping. Low Bid: $2.59M. *Client: Vermont Agency of Transportation*

Route 7 Shelburne Road, Shelburne, VT. 07/04-09/06. Senior Inspector and Environmental Inspector on this roadway reconstruction from 2 to 4 lanes. Permit compliance was the major task; ensuring contractor followed the approved EPSC Plan. However, did perform other inspections including utility installations, Box Culvert installations at Bay Road and Route 7, and finished grading & landscaping improvements. $11M. *Client: Vermont Agency of Transportation*

Route 118 Bridge Replacement and Stream Relocation Project, Berkshire, VT. 06/04-07/04. Environmental Inspector on this environmentally sensitive project. This project included the restoration of the Trout River and the new alignment of roadway with a new bridge structure. *Client: Vermont Agency of Transportation*

Chittenden County Circumferential Highway, Williston, VT. 05/04-06/04. Environmental Inspector on this new alignment limited access highway including a new interchange with Route I-89. Approximately 4-miles of roadway and several bridges. *Client: Vermont Agency of Transportation*

Route 4 Paving, Rutland-Fair Haven, Rutland County, VT. 05/03-02/03. Inspector/Office Engineer. Inspected the milling and resurfacing of the existing roadway and bridge structures, drainage inlet improvements, signs, sign structures, railroad crossing, guiderail, reconstruction of shoulder concrete bridge approach sections and aluminum railings for a divided four-lane limited access highway for 18 miles. Responsible for conducting field inspections and quantity takeoff for all items of work. Also, prepared estimates, organized field office files, and completed final documents with respect to quantities and "as-built" record drawings. *Client: Vermont Agency of Transportation*

Bennington Bypass, Bennington, VT. 01/03-04/03. Performed as-built earthwork calculations from detailed survey data, to begin final estimates on Rock, Borrow and Excavation Quantities. *Client: Vermont Agency of* Transportation

New Tower Sites and Installs/Collocations, Various Locations, NY. 05/01-12/02. Construction Project Manager. Responsibilities included construction plan evolution (planning thru design), tower and material procurement, bid package preparations/awarding and performing/scheduling construction activities. Responsibilities also included crew management during new tower and collocation construction. This includes more than 25 new tower sites and over 45 installs/collocations in the upstate New York region. *Client: T-Mobile/Nextel/Cingular*

Concrete Cylinder Pipe Watermain, Cocoa, FL. 07/98-05/01. On-site representative for a $4.5M prestressed concrete cylinder pipe watermain project. The project involved preparing agendas and conducting on-site preconstruction/progress meetings as required. Project also had some bridge crossings in the five miles of watermain and a 1,289-ft sub aqueous crossing through the floor of the Indian River lagoon. *Client: City of Cocoa, FL*

PBS&J Construction Estimator for Program Development. 07/98 to 05/01. Provided support to the Florida's Turnpike FDOT District 8 Program Management team. Activities included utilizing the FDOT LRE (Long Range Estimating Program) and PBS&J in house methods to identify construction costs for numerous projects at various stages (concept, 30/60/90/11 Percent Plans) in development.

Projects varied from the Greeneway around Orlando, Florida to bridge painting the Shula Bridge in Miami. One Concept involved researching and preparing costs for tunneling under the Port of Miami for a Roadway tunnel consideration.

PBS&J Construction Duration Scheduler. 07/98 to 05/01. Provided support to the FDOT District 3 Pan Handle Scheduling services providing an anticipated fair duration of time for Construction Contracting on mainly milling/paving and in some cases rubbilzation projects.

Mitigation/Earthwork, Poinciana, FL. 07/98-05/01. Construction Manager. Responsibilities included weekly progress meetings, change order and pay application reviews, field quantity verifications for proper payments, punch list inspections and reviews and completed the final construction management package and submitted to the owner. Project received an award from PBS&J. Client: Greater Orlando Aviation Authority (GOAA)

Portofino Bay Hotel, Orlando, FL. 07/98-05/01. Owner's Representative. Responsibilities involved answering or gathering answers for RFI's submitted by contractor. Also coordinated replies to others relating to landscape/ hardscape, structural and electrical divisions. *Client: Universal Studios and LOEW's*

Various Projects, SC and FL. 03/97-07/98. Estimator/Office Project Engineer. Performed hard dollar estimates for heavy earthmoving civil contractor. Projects were generally residential/commercial developments; landfill closures/new, golf courses and phosphate mine land reclamation projects. Other tasks included soliciting and negotiating with prime and sub-contractors, submittals, pay applications and change orders. Many times, coordinating project from the office for field management with respect to material, equipment and paper required. *Client: Various*

Various Projects, Central FL. 04/96-03/97. Estimator. Estimated civil projects ranging in value from 100K up into the tens of millions of dollars. Became familiar with and very proficient in the AGTEK program. Projects were large, residential and golf course developments, larger commercial site for the Home Depots and other type facilities. *Client: Various*

Florida Dept. of Environmental Protection, (FDEP), Jacksonville, FL. 01/95-04/96. Environmental Compliance Engineer. Compliance/permitting industrial wastewater compliance engineer for the Northeast district of the FDEP. Projects included the investigations of facilities which discharge treated industrial wastewater effluent, collect, and interpret effluent samples, collect, and interpret engineering and technical data, reviewed and processed permit applications for renewals, construction and/or modifications to treatment systems.

Worked with another firm as a safety/maintenance contract engineer. As a team member of the maintenance engineering management consultant (MEMC) contract that was with the Florida's Turnpike to provide professional management for all maintenance activities for its roadway and facilities. Tasks included safety management for the northern half of the turnpike, bridge inspections, traffic and sign studies, environmental reporting for emergency response accidents and right of way permit reviews. Also, a member of the Seminole Wetland Mitigation project that included site visits and environmental sampling and data retrieval. 5/92-11-94

Camp Hill State Correctional Facility, Phase II, Harrisburg, PA. 07/91-03/92. Lead superintendent for a small crew during the construction of electrical duct banks, underground conduit/sleeves and the installation of high mast light poles and its foundations. *Client: Dept. of Corrections, State of Pennsylvania*

Oneida-Herkimer Recycling Plant, Utica, NY. 11/90-06/91. Project Manager Assistant. Responsibilities included surveying structural steel and equipment layout, material delivery coordination and inventory during construction of the plant.

Worked with another firm as an intern. 12/87-04/88. Projects involved drafting and field investigation survey for new and/or rehabilitative design relative to plumbing, HVAC, and electrical divisions. Assisted in shop drawing reviews and bid/specification package preparations. Also learned how important the design coordination is between the architect and its engineering disciplines incorporated in a complete set of building plans.

Worked with another firm as a construction laborer for the summer. Project involved general site cleanup, grouting, form stripping, during the final phases of construction at the new City of Lancaster, PA, Wastewater Treatment Plant Facility.

# Earl E. Kingsbury, PE

Civil Engineer III

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector

**EDUCATION:**
*BSCE/1984/Civil Engineering/Norwich University*

**REGISTRATIONS/CERTIFICATIONS:**
*ACI Concrete Field-Testing Technician, Grade 1 – 2022*
*NETTCP Concrete Inspector – 2021*
*NETTCP Driven Pile Inspector – 2022*
*NETTCP HMA Paving Inspector - 2021*
*NETTCP Soils & Aggregate Inspector - 2018*
*Nuclear Density Gauge*
*OSHA 10*
*Professional Engineer/NH/#7434-2022*
*Professional Engineer/VT/#018.0092703-2022*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *8*
**TOTAL YEARS EXPERIENCE:** *40*

## Professional Profile

Mr. Kingsbury has many years of experience including as a Contract Administrator for NHDOT, as a supervisor/estimator for Morrill Construction, and as an inspector, surveyor, and chief inspector for Boswell and GPI.

Mr. Kingsbury served as the Chief Inspector on following State projects.

Chief Inspector: As a Chief Inspector, he was responsible for the administration, engineering, and inspection of the project. Duties included survey including initial project control, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities; monitoring field operations, verifying field measurements, coordinating sampling, traffic control, safety issues, public meetings, and general communication and documentation duties. As Chief Inspector, he also delegated duties to the inspector(s) and the Office Engineer.

## Project Experience

Greenman-Pedersen, Inc. 03/15+.

Burlington HES 5000(18), City of Burlington, Chittenden County, VT. 07/21-07/23. Chief Inspector. This project is located at the intersection of US 7 and Alternate US 7 starts at US 7 Mile Marker 1.085 and ends at Mile Marker 1.275 and Alternate US 7 Mile Marker 0.100. Work to be performed under this project includes construction of a new roundabout, minor realignment of the approaches, new landscaping, pedestrian and bicycle facilities, street lighting, and drainage. *Client: VAOT; Josh Hulett (RE)*

Middlebury STP PC20(3) & Middlebury NH PC20(4), Addison County, VT. 04/21-10/21. Chief Inspector. Middlebury STP PC20(3) – This project on VT 30 in the Town of Middlebury started at Mile Marker 0.524 and extended northerly 0.622 miles to Mile Marker 1.146. There was also a section on VT 125 that started at Mile Marker 0.333 and extended easterly 0.878 miles to Mile Marker 1.211 including VT 125 West between Stations 100+00 and 105+50. Work performed for this project included coarse milling, resurfacing with leveling and wearing courses, drainage rehabilitations, pavement markings, signs, and other related highway items. Middlebury NH PC20(4) – This project on US 7 in the Town of Middlebury started at Mile Marker 4.256 and extended northerly 1.455 miles to Mile Marker 5.711 including Court Square from Mile Marker 4.948 to Mile Marker 5.029. Work performed for this project included coarse milling, resurfacing with leveling and wearing courses, drainage rehabilitations, pavement markings, signs, and other related highway items. *Client: VAOT; Phillip Harrington (RE)*

Middlebury WCRS(23), Addison County, VT. 06/20-04/21. Chief Inspector. This project was on the Vermont Railway. Project scope included the replacement of two nearly 100-year-old bridges with a tunnel. The two bridges are about 300-ft apart, with one located on Main Street/VT 30 and the other on Merchants Row. Work performed under this project includes removal and replacement of Bridge 102 and Bridge 2 with a tunnel along a modified railroad alignment, lowering of the tracks, construction of approach retaining walls (U-walls), and roadway and utility work. A 360-ft tunnel will replace the Main Street and Merchants Row bridges and will address several deficiencies now facing the railroad. Currently, the bridges do not have enough vertical clearance for double-stack rail cars. By lowering the rail bed approximately 4-ft, clearance can be increased to 21-ft without impacting the grade of the road and sidewalks above. The tunnel will also enable the alignment of the rail to change, softening the curve that currently exists, allowing better horizontal clearance for trains. Drainage improvements and covering the track will reduce the risk of icing problems that have been severe in some winters as well as ponding that occurs. The project has had to balance community needs and character, local and regional mobility, construction feasibility – all while keeping the rail line active, except during a 10-week closure period, as communities along the line depend on rail for deliveries of various commodities. *Client: Vermont Agency of Transportation (VAOT); Jonathan Griffin (RE)*

Rutland-Pittsford NH 2963(1)/Pittsford STP 2968(1), Rutland County, VT. 05/19-12/19. Chief Inspector. The Rutland-Pittsford project began on US 7 at Rutland MM 1.177 and extended northerly 4.151 miles to Pittsford MM 1.364. The Pittsford project began on VT 3 at MM 0.000 and extended northerly 2.807 miles to MM 2.807 which is the intersection with US 7. Work performed under this project included coarse-milling and resurfacing with leveling and wearing courses, guardrail, signs, pavement markings, and other highway relayed items. *Client: VAOT; Tim Pockette (RE)*

Middlebury-Starksboro STP 2953(1), VT. 2018-19. Chief Inspector. Project included cold planing, shoulder work, resurfacing, drainage improvements, and guardrail improvements. *Client: VAOT; Josh Hulett (RE)*

Middlebury-Ferrisburgh NH SURF (55), VT. 2017. Chief Inspector. Project included micromilling, paving, and signal work. *Client: VAOT; Bob Suckert (RE)*

Granville ER STP 013-4(40), VT. 2016. Chief Inspector. Project included slope stabilization, drainage improvements, resurfacing, and guard rail. *Client: VAOT; Bob Suckert (RE)*

Moretown ER STP 0167(15), VT. 2015. Chief Inspector. Work included slope stabilization, drainage improvements, resurfacing, and guard rail. *Client: VAOT*

## Prior Firm Experience

Boswell Engineering. 2013-2015. Inspector. As an Inspector, he was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

Morristown STP F 029-1(2), VT. Inspector/Surveyor. This project was a full depth construction project. *Client: VAOT; Bob Suckert, RE*

Morrill Construction, Inc. 2001-2013. Supervisor/Estimator. Worked as an estimator for securing work through the bidding process and as a supervisor of construction on State/Municipal projects. He was responsible for the layout of construction work from design plans, scheduling of work, supervision of various crews, coordination with subcontractors, coordination between owners, engineers, and various agencies, and resolution of construction plan conflicts. Major projects included the following.

- North Street, Burlington, VT. Installation of new conduits along North Street. This project was complicated because of the number of utilities requiring conduits and vaults. There were major traffic control issues because of all the traffic as well as the large number of residents and businesses. There was new curbing and pavement on the project.
- St. Johnsbury, VT. Total reconstruction of over a mile of road. Work included a new storm drain, new water, and new sewer. There were a lot of conflicts requiring numerous redesigns in the field. There were new select materials, curbing, sidewalks, landscaping, and paving.
- Lyndonville, VT. Installation of new water line and services.
- Hartford, VT. As a subcontractor, installed new water line and sewer line including services. The main line of sewer was in excess of 20-ft deep in sand.
- Exit 14, Burlington, VT. Reconstruction and widening of the Southbound Exit Ramp. Work included new storm drain, new select materials, fine grading for pavement, pavement, curbing, and signalization.
- Town of Stockbridge, VT. Performed a lot of post-Irene reconstruction of roads for the Town. One of the projects was installing a new box culvert and reconstructing nearly a half mile of roadway completely gone, as well as reestablishing eroded stone slopes in multiple locations.

New Hampshire Department of Transportation, NHDOT Bureau of Construction. 1988-2001. Contract Administrator. He was responsible for administering state construction contracts including inspection of the work performed by the contractor and assuring adherence to the project plans and specifications, supervising other inspectors and assigning their work, assuring proper contract documentation, as well as making progress payments to the contractor, working closely with other state agencies, the federal government, municipalities, and contractors, and holding the authority to reject work and to make changes as conflicts arose.

NHDOT Projects:

- Raymond, NH. New bridge and approach work on town road, concrete abutments and footings, structural steel, concrete bridge deck, excavation/fill for new approaches, select materials, pavement.
- Resurfacing Interstate 95, NH. Night paving project from Hampton Toll Plaza to Portsmouth, traffic control, paving. Exeter-Route 101. New bridge across railroad, concrete abutments and footings, concrete bridge deck, railroad coordination.
- Claremont (Downtown), NH. Existing bridge removal, new concrete footings and abutments, concrete bridge deck, new road construction on approaches and side streets, new water line in road and across the bridge, new storm drainage, curbing, select materials, paving, guard rail.
- Claremont, NH. New bridge, concrete footings and abutments, concrete bridge deck, membrane, water diversion, 2500-ft of road
- Charlestown, NH. Removal of existing deck, new concrete bridge deck, painting of structural steel, expansion joints, membrane, curbing, paving.

New Hampshire Department of Transportation (NHDOT), Bureau of Construction. 1984-1988. Assistant Contract Administrator. Mr. Kingsbury's duties as Assistant Contract Administrator were to check contractors' work including performing layout for items or checking

the contractor's layout, checking for adherence to the plans and specifications on the project, documentation of work, measurement for payment, and testing on select materials and concrete.

NHDOT Projects

- Raymond Route 101. Cross country road construction, Excavation/fill to subgrade, Select materials, Paving, New storm drain.
- Epping. New bridge crossing over Route 101 for new bypass, abutment and pier layout, reinforcing steel, concrete, structural steel, concrete bridge deck.
- Portsmouth-Interstate 95. Removal of pavement, sounding of deck for bad concrete, new membrane and pavement, traffic control.
- Hudson. Reconstruction of over a mile of roadway, new storm drain, establishing subgrade, select materials, paving, signalization.
- Exeter-Route 101. New abutments and piers, steel piles, reinforcing steel, structural steel, concrete bridge deck.

# David Kraus
Technician IV

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector

**EDUCATION:**
*BS/2016/Construction Management – Vermont Technical College*
*AE/2014/Civil & Environmental Engineering Vermont Technical College*
*2010-2011/Various classes in Environmental Science - University of Vermont*

**REGISTRATIONS/CERTIFICATIONS:**
*ACI Concrete Field-Testing Technician, Grade 1 - 2020*
*AGC/VT – Registered Flagger - 2017*
*ATSSA Traffic Control Coordinator - 2017*
*CPR & AED Certified*
*NETTCP Concrete Inspector – 2022*
*NETTCP Drilled Shaft Inspector - 2019*
*NETTCP Driven Pile Inspector – 2023*
*NETTCP HMA Paving Inspector – 2021*
*Nuclear Density Gauge*
*OSHA 10-Hour & 30-Hour*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *7*
**TOTAL YEARS EXPERIENCE:** *8*

## Professional Profile

Mr. Kraus has experience in construction inspection working for GPI, as well as the Vermont Agency of Transportation. In addition to his field experience and the certifications listed, he has obtained additional training in AutoCADD, Surveying (Total Station & Transit), Excel, On-Screen Take-Off, and Highway Safety Training.

Mr. Kraus has worked as a Resident Engineer, Chief Inspector, Office Engineer, and/or Inspector on the projects listed below.

Resident Engineer: As the Resident Engineer, Mr. Kraus was responsible for the administration and inspection throughout construction of the project. He ensured the project was constructed according to the contract documents and that all materials were in conformance with the specifications. He also ensured that all work was accomplished in accordance with all safety and environmental regulations. He served as the single point of contact for all project matters during construction. In addition to his RE duties, Mr. Kraus was responsible the administrative work for the contract, including project record compilation and documentation, entering Daily Work Reports, writing change orders and written orders, monitoring certifications and sampling, maintaining concrete and weather logs, and monitoring civil rights issues.

Chief Inspector: As Chief Inspector, he was accountable for survey, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements, and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included.

Office Engineer: As an Office Engineer, he was responsible for project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications and sampling, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights payroll issues.

Inspector: As an Inspector, he was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 05/16+.

Clarendon VTRY(42), Manchester VTRY(43), Manchester VTRY(44), Wallingford VTRY(39), & Wallingford VTRY(4), Rutland County, VT. 08/22-08/23. Inspector. Clarendon VTRY(42) – This project on the Vermont Rail System was for VTR Bridge 93 over an overflow at Mile Post 47.92. Work performed for this project included replacing the abutment backwalls, installing approach slabs, concrete repair, repairing truss members, rivet replacement, cleaning and painting portions of the superstructure, bearing rehabilitation, and associated track work. Clarendon VTRY(43) – This project on the Vermont Rail System was for VTR Bridge No.96 over an unnamed stream at Mile Post 50.49. Work performed for this project included repairing existing open deck steel through plate girder, replacing bearings, localized cleaning and painting, and minor substructure repairs. Clarendon VTRY(44) – This project on the Vermont Rail System was for VTR Bridge No.98 over an unnamed stream at Mile Post 51.26. Work performed for this project included repairing existing open deck steel through plate girder, replacing bearings, localized cleaning and painting, and minor substructure repairs. Wallingford VTRY(38) – This project on the Vermont Rail System was for VTR Bridge No.87 over Homer Stone Brook at Mile Post 40.58. Work performed for this project included superstructure rehabilitation including stringer repairs, floor beam strengthening, painting strategic structure locations, rivet replacement, track work, and minor abutment concrete repair. Wallingford VTRY(40) – This project on the Vermont Rail System was for VTR Bridge No. 89 over Otter Creek at Mile Post 42.68. Work performed for this project included cleaning and painting portions of the superstructure, rivet replacement, abutment backwall replacement, partial seat replacements, installing riprap, and associated track works. *Client: VAOT; Chris Williams (RE).*

Woodford NH 010-1(51), Woodford, Bennington County, VT. 05/21-11/22. Chief Inspector. This ledge stabilization project on VT 9 began at Mile Marker 2.888 and extended easterly 0.152 miles to Mile Marker 3.040. Work performed for this project included solid rock excavation, hand scaling, rock dowel installation, rock drain installation, shear key installation, vegetation and overburden removal, and other highway related items. *Client: VAOT; Chris Williams (RE)*

Manchester VTRY(27), Manchester VTRY(30), & Manchester VTRY(31), Bennington County, VT. 08/22-08/23. Inspector. Manchester VTRY(27) – This project was on Vermont Rail System VTR Route Bridge No. 71 over the Batten Kill at Mile Post 23.60 in the Town of Manchester. Work performed for this project included strengthening the superstructure floor beams and stringers, cleaning and painting portions of the superstructure, replacing lateral bracing, replacing bridge bearings, replacing bridge seats and backwalls with precast concrete, repairing wingwalls, and related approach roadway and channel work. Manchester VTRY(30) – This project was on Vermont Rail System VTR Route Bridge No. 73 over the Batten Kill at Mile Post 25.71 in the Town of Manchester. Work performed for this project included strengthening the superstructure, removing deteriorated concrete in backwalls and wingwalls as appropriate and repairing with new concrete, replacing existing tie spacer curbs, replacing rivets as needed, and related approach roadway and channel work. Manchester VTRY(31) – This project on the Vermont Rail System VTR Route Bridge No. 74 over the Batten Kill at Mile 26.20 in the Town of Manchester. Work performed for this project included rehabilitation of existing through girder span including cleaning and painting portions of the superstructure, rehabilitation of stringers and floor beams, repairs of abutment 1, and related approach roadway, and channel work. *Client: VAOT; Ross Peirce (RE)*

Clarendon-Rutland Town NHG SGNL(56), Rutland County, VT. 06/22-12/22. Chief Inspector (Acting). This project in the Town of Clarendon was for the traffic signal at the intersection of US Route 7 and North Shrewsbury Road. Other traffic signals on this project were in the Town of Rutland at the intersections of US Route 7 and Windcrest Road, US Route 7 and US Route 4, and US Route 7 and Holiday Drive. Work performed for this project included replacement and modernization of traffic signal systems. *Client: VAOT; Chris Williams (RE)*

Manchester VTRY(28)/Manchester VTRY(29), Bennington County, VT. 08/21-10/21. Chief Inspector. Manchester VTRY(28) - This project was for the rehabilitation of Vermont Railroad Bridge No. 72.5 over a cattle pass at Mile Post 24.38. Work performed for this project included removal of existing rail reinforced slab superstructure along with associated track work and grading. Manchester VTRY(29) - This project was for the rehabilitation of Vermont Railroad Bridge No. 72.7 over a cattle pass at Mile Post 24.48. Work performed for this project included removal of existing rail reinforced slab superstructure along with associated track work and grading. *Client: VAOT; Chris Achilles (RE)*

Arlington VTRY(23)/Arlington VTRY(24), Bennington County, VT. 10/21-12/21. Chief Inspector. Arlington VTRY(23) - This project was for the rehabilitation of Vermont Railroad Bridge No. 59.5 over Ubu Lane, a private road, at Mile Post 11.50. Work performed for this project included rivet replacement and timber deck replacement. Arlington VTRY(24) - This project was for the rehabilitation of Vermont Railroad Bridge No. 61 over VT 313 at Mile Post 12.45. Work performed for this project included replacement of a damaged diaphragm, install low clearance advance warning signs on VT 313, replace existing route sign assemblies, repair north approach slopes, replace underdrain, and rehabilitate steel overhang plate connections. *Client: VAOT; Chris Achilles (RE)*

Roxbury ER 0188(11), Washington County, VT. 01/21-05/21. Resident Engineer. This project is located on TH #1, Warren Mountain Road, approximately 650-ft from Webster Road. Work performed under this project includes excavation; keying in a heavy type stone wall; slope armoring with stone, Types I-IV; box cutting and repaving the road; pavement markings; guardrail replacement; environmental protection measures; and other incidental items. *Client: Town of Roxbury, VT; David McShane, Primary Contact*

West Rutland-Rutland STP FPAV(18)/West Rutland STPG SGNL(50), West Rutland and Rutland, Rutland County, VT. 03/20-12/20. Chief Inspector. The West Rutland-Rutland paving project began on Business US 4 at MM 0.000 and extended easterly for 2.423 miles to the Rutland Town-Rutland City line. Work to be performed under this project included coarse milling, resurfacing with leveling and wearing courses, signal system improvements, pedestrian safety improvements, guardrail, pavement markings, other related highway items. The West Rutland signal project was at the intersection of Business US 4 and VT 4A. Work to be performed under this project included the removal of the existing signal system and the installation of new traffic signal mast arms and poles, signal controller cabinet, and other highway related items. GPI is providing construction inspection services for this project. *Client: VAOT; Paul Perry (RE)*

Manchester VTRY(7), VT. 07/19-12/19. Chief Inspector/Office Engineer. Work performed under this project included the rehabilitation of existing through girder span for VTR Bridge No. 72 over the Battenkill at Mile Post 24.18. Project also consisted of replacement of portions of the existing cut stone abutments, existing timber & stone masonry backwalls, and stone masonry wingwalls. Additionally, work consisted of construction of precast concrete approach slabs with integral backwalls. *Client: VAOT; Chris Williams (RE)*

Manchester STP 2970(1) & Manchester STP BP 15(5), VT. 06/18-07/19. Inspector. These projects consist of cold planing and paving with leveling and wearing courses, pavement markings, signs, drainage improvements, a highway-railroad grade crossing reconstruction and signal improvements, stop bar detection, pedestrian signal system modifications, curbs, landscaping, sidewalk modifications to meet ADA standards; and street lighting. *Client: VAOT; Chris Williams (RE)*

Wallingford ER STP 0138(11), VT. 06/18-07/18. Inspector. This project on VT 140 consisted of reconstruction of the roadway and

streambank stabilization. *Client: VAOT; Chris Williams (RE)*

Manchester STRB 16(1), VT. 2017. Inspector. This project consisted of rehabilitation of an existing through girder span, reconstruction of existing abutment back walls and associated track work. *Client: VAOT; Tim Pockette (RE)*

Rutland-Killington ER NH 020-2 (36), VT. 04/17-05/18. Inspector. The work included cold planing and resurfacing of the existing highway with a binder course, wearing course, pavement markings, guardrail, signs, new precast box culvert, ledge removal and other highway related items. *Client: VAOT; Tim Pockette (RE)*

Pittsford HPP ABRB(9), VT. 11/16-04/17. The project consisted of rehabilitation of a 210-ft, 2-span, steel truss bridge built in 1900. *Client: VAOT; Tim Pockette (RE)*

Mendon ER 020-2(39), VT. 05/16-08/17. Inspector. 05/16-10/16. The work included the stabilization of a ravine, channel work, installation of a new culvert, and other highway related items. All work was performed next to and in a pristine stream that supplied the City of Rutland with its water supply. *Client: VAOT; Tim Pockette (RE)*

## Prior Firm Experience

Vermont Agency of Transportation, VT. Summer/2015. AOT Tech. Apprentice III. Responsibilities include reviewing contractor work on bridge and road projects to ensure compliance with specifications and plans, and documenting work completed and entering it in the system for payment. Mr. Kraus also tested concrete per ACI specifications.

Rutland Town Fire Department, Rutland, VT. 05/11+. Certified Firefighter Level II. Interior firefighter and driver.

Poultney Pools & Hardware, West Rutland, VT. Summer/2008+. Sales Associate & Construction Laborer. Responsible for stocking shelves, managing the cash register, sales and all related customer service. Also, as laborer responsible for installation of above ground and in-ground pools using transits and levels, maintenance of pools which include opening and closing of pools.

Master Key Ranch, Wilsall, MT. Summer/2004-2007. Rand Hand. Worked as a ranch hand 60-80 hours a week performing various ranch duties such as operating heavy machinery, maintenance of ranch infrastructure, complex irrigation systems, repair of equipment, cared for 800 head of beef cattle, and harvesting & planting of crops.

# Dylan Lahar
Technician III

**PROPOSED PROJECT ASSIGNMENT**: Inspector

**EDUCATION:**
*AE/2019/Civil and Environmental Engineering Technology/Vermont Technical College*
*Community College of Vermont/34 credits earned*

**REGISTRATIONS/CERTIFICATIONS:**
*ACI Concrete Field-Testing Technician, Grade 1 - 2020*
*CDL including Class A endorsements*
*NETTCP Concrete Inspector – 2022*
*NETTCP HMA Paving Inspector – 2020*
*Nuclear Density Gauge and Radiation Safety*
*OSHA 10-Hour*
*VOSHA COVID-19 Workplace Safety*

**YEARS WITH FIRM:** *4*
**TOTAL YEARS EXPERIENCE:** *5*

## Professional Profile

Mr. Lahar is a graduate of Vermont Technical College in May of 2019 with an Associates of Engineering in Civil and Environmental Engineering Technology. He has construction inspection experience as well as experience working for a contractor. His technical skills include surveying, Auto CAD, and Carlson. He is highly committed to work and is an excellent team player.

Mr. Lahar served as an inspector on the projects listed below.

Inspector: As an Inspector, he was responsible for providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. He was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. He was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 05/19+.

Lyndon-Barton IM 091-3(55), Caledonia & Orleans Counties, VT. 04/22-11/23. Inspector. This project on Interstate Route 91 (Northbound) in the Town of Lyndon began at Mile Marker 136.40 and extended northerly 20.10 miles (106,128 ft) to Mile Marker 156.50 in the Town of Barton. The project also included on Interstate Route 91 (Southbound) beginning in the Town of Lyndon at Mile Marker 136.50 and extended northerly 20.00 miles (105,600 ft) to Mile Marker 156.50 in the Town of Barton. Work performed f included surface preparation involving patching, pothole repair, milling and paving with a leveling course followed by a wearing course on the existing interstate typical, pavement markings, guardrail rehabilitation, and other related highway items. *Client: VAOT; Mitchell Mason (RE)*

St. Johnsbury WCRL(24), Caledonia County, VT. 08/21-12/21. Inspector. This project on the Washington County Rail Line at Mile Post 44.60 was for the rehabilitation of Bridge No. 538. Work performed for this project was rehabilitation of the existing truss including steel repairs to stringers, floor beams, and truss members, stringer replacements, and substructure concrete repair. *Client: VAOT; Scott Wheatley (RE)*

Newbury WCRL(23) & Coventry WCRL(22), Caledonia & Orleans Counties, VT. 04/21-11/21. Inspector. Newbury WCRL(23) - This project on the Washington County Railroad was for the rehabilitation of Bridge No. 522 over the Wells River and US 302 at Mile Post 63.78. Work performed for this project included structural steel repairs and stringer replacements of the existing two span steel deck girder superstructure, rehabilitation of the steel pier bent, bearing modifications, track work, and installation of a longitudinal restraint system at both abutments. Coventry WCRL(22) - This project on the Washington County Railroad was for the rehabilitation of Bridge No. 562 over the Barton River at Mile Post 6.80. Work performed for this project included repair of the existing bridge substructure and related work. *Client: VAOT; Scott Wheatley (RE)*

Hardwick BF 037-3(8), Caledonia County, VT. 08/20-08/21. Inspector. This project was located on VT 16 in the Town of Hardwick at Mile Marker 0.030. Work performed for this project included the application of a field-metalized coating to the steel beams of Bridge No. 1 over Haynesville Brook. *Client: VAOT; Scott Wheatley (RE)*

Cavendish-Weathersfield ER STP 0146(14), Windsor County, VT. 05/20-11/20. Inspector. This project begins on VT 131 at Cavendish MM 0.004 and extends 8.953 miles to Weathersfield MM 1.306. Work performed under this project includes coarse milling, full-depth reclamation, paving, replacement of an existing stone box culvert, slope stabilization, ledge removal, stone fill for riverbank stabilization, guardrail, signs, pavement markings, and other related highway items. *Client: VAOT; Jace Curtis (RE)*

Statewide STP CRAK(37), Multiple Towns, Northern Region, VT. 08/19-11/19. Inspector. The scope of work performed under this project included the routing and sealing of cracks in bituminous pavement on existing state, US, and interstate highways in the northern region, as well as the associated traffic control. *Client: VAOT; Scott Wheatley (RE)*

Springfield-Hartland IM SURF(62), VT. 05/19-09/19. Inspector. This project was a thin-lift paving project of 21.3 miles of I-91 Northbound. Work to be performed under this project included micro-milling, surface preparation involving patching, pothole repair, and crack sealing, overlaying with a thin bituminous surface treatment, pavement markings, guardrail improvements, and other highway related items. *Client: VAOT; Daryl Bassett (RE)*

## Prior Firm Experience

J. P. Sicard, Inc., Barton, VT. Derby IM 091-3(49), 06/18-08/18. Intern. The scope of this project was the rehabilitation of the existing bridge including a new superstructure, new bearings, new pier caps, removal of an existing pier, and related roadwork. Mr. Lahar worked on bridge demolition, forming for and placing concrete, placing and tying reinforcing steel, roadwork, and paving.

Couture Trucking, Lyndonville, VT. 05/16-08/16 and 05/17-08/17. Truck Driver. Mr. Lahar drove truck delivering grain to microbreweries.

Dale E. Percy, Inc.; Stowe, VT.; Jay Peak Resort. 06/15-08/15. Laborer. Mr. Lahar worked on the installation of water and sewer lines.

# Anthony LaVigne

Technician V

**PROPOSED PROJECT ASSIGNMENT:** Office Engineer

**EDUCATION:**

*1987/Continuing Education/Civil Engineering; Management/Cornell Local Roads Program*
*1979/Clark County Community College*
*1978/Northern Nevada Community College*
*1977/University of Nevada at Las Vegas*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade 1 –2016*
*NETTCP Concrete Inspector - 2016*
*NETTCP Drilled Shaft Inspector - 2018*
*NETTCP Driven Pile Inspector - 2017*
*NETTCP HMA Paving Inspector - 2016*
*NETTCP Soils & Aggregate Inspector-2017*
*NHI Geosynthetics Engineering*
*NHI Roadside Safety Design*
*Nuclear Density Gauge*
*NYSDEC Erosion & Sediment Control*
*OSHA 10-Hour*
*VOSHA COVID-19 Workplace Protection*

**PROFESSIONAL AFFILIATIONS:**

*New York State Association of Town Superintendents of Highways, Essex County Chapter, 35 years, Life Member*
*New York State County Highway Superintendent's Association – 31 years*

**YEARS WITH FIRM:** *9*
**TOTAL YEARS EXPERIENCE:** *43*

## Professional Profile

Mr. LaVigne has many years of experience in the public works industry that includes work in Nevada, NY, and for the past 9 years in VT. The bulk of his experience was with Essex County Department of Public Works in the role of superintendent, supervising personnel, and projects. Work included budgeting, developing, and overseeing many roadway and bridge projects, building projects, and daily interaction with the Board of Supervisors. He has worked closely with architects, engineers, and contractors for many years.

Mr. LaVigne has served as a Chief Inspector, Office Engineer, and Inspector on the following projects.

Chief Inspector: As a Chief Inspector, he was responsible for the administration, engineering, and inspection of the project. Duties included survey including initial project control, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities; monitoring field operations, verifying field measurements, coordinating sampling, traffic control, safety issues, public meetings, and general communication and documentation duties. As Chief Inspector, he also delegated duties to the inspector(s) and the Office Engineer.

Office Engineer: As an Office Engineer, he was responsible for the administrative work for the projects which included, but was not limited to, project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications, sampling, and test results, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights issues.

Inspector: As an Inspector, he was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 06/14+.

Poultney BO 1443(53), Rutland County, VT. 09/22-09/23. Office Engineer. This project in the Town of Poultney on Thrall Road (TH-6 Class 2) was for the replacement of Bridge 7 over the Poultney River. The bridge is located at the intersection of TH-6 and River Street (TH-34), approximately 0.05 miles south of the intersection with VT Route 140, approximately 1.37 miles north of the intersection of TH-6 and VT Route 30. The length of this project is 250 ft. Work performed for this project included replacement with a new camelback pony truss and related approach roadway and channel work. This bridge has been closed to vehicular traffic since May 2020 when an inspection found advanced deterioration. Vehicular traffic will be maintained on an offsite detour and pedestrian/bicycle access will not be available when construction is occurring. *Client: VAOT; Chris Williams (RE)*

Pittsford-Brandon NH FPAV(49), Rutland County, VT. 06/22-10/22. Office Engineer. This project on US Route 7 in the Town of Pittsford began at Mile Marker 2.879 and extended northerly for 5.322 miles (28,100.16 ft) to Mile Marker 0.610 in the Town of Brandon. Work performed for this project included fine-milling and resurfacing the existing highway, spot shimming and surface prep, pavement markings, guardrail improvement, drainage improvements, and other related highway items. *Client: VAOT; Chris Williams (RE)*

Leicester BO 1445(37), Addison County, VT. 03/22-11/22. Office Engineer. This project in the Town of Leicester on TH 12 (Old Jerusalem Road) was for the replacement of Bridge 4 over the Leicester River beginning approximately 0.73 miles north from its intersection with TH 1 (Leicester-Whiting Road) and extending northwesterly for 0.062 miles (325 ft). Work performed for this project included removal of the existing buried concrete slab over the culvert and replacement of existing multi-plate steel pipe culvert with a

new integral abutment bridge with related approach roadway and channel work. Traffic was maintained on a signed detour. *Client: VAOT; Joe Knipes (RE)*

Clarendon-Rutland Town NHG SGNL(56), Rutland County, VT. 06/22-12/22. Office Engineer. This project in the Town of Clarendon was for the traffic signal at the intersection of US Route 7 and North Shrewsbury Road. Other traffic signals on this project were in the Town of Rutland at the intersections of US Route 7 and Windcrest Road, US Route 7 and US Route 4, and US Route 7 and Holiday Drive. Work performed for this project included replacement and modernization of traffic signal systems. *Client: VAOT; Chris Williams (RE)*

Bridport-Cornwall STP FPAV(45)/Bridport-Middlebury HES RMBL(5), Addison County, VT. 09/21-12/21. Office Engineer. Bridport-Cornwall STP FPAV(45) – This project on VT 125 started at Bridport Mile Marker 5.244 and extended easterly for 3.373 miles to Cornwall Mile Marker 0.428. Work performed for this project included fine-milling and resurfacing the existing highway, guardrail improvements, pavements markings, and other highway related items. Bridport-Middlebury HES RMBL(5) – This project on VT 125 started at Bridport Mile Marker 5.244 and extended easterly for 7.503 miles to Middlebury Mile Marker 0.293. Work performed for this project included installation of new centerline rumble strips and pavement markings. *Client: VAOT; Phillip Harrington (RE)*

Middlebury PLAT(2), Addison County, VT. 04/21-09/21. Office Engineer. This project was at the Middlebury Station of the Vermont Railway Line. Work performed for this project included construction of a passenger train station platform, canopy, and platform lighting system. *Client: VAOT; Phillip Harrington (RE)*

Middlebury STP PC20(3) & Middlebury NH PC20(4), Addison County, VT. 04/21-10/21. Office Engineer. Middlebury STP PC20(3) – This project on VT 30 in the Town of Middlebury started at Mile Marker 0.524 and extended northerly 0.622 miles to Mile Marker 1.146. There was also a section on VT 125 that started at Mile Marker 0.333 and extended easterly 0.878 miles to Mile Marker 1.211 including VT 125 West between Stations 100+00 and 105+50. Work performed for this project included coarse milling, resurfacing with leveling and wearing courses, drainage rehabilitations, pavement markings, signs, and other related highway items. Middlebury NH PC20(4) – This project on US 7 in the Town of Middlebury started at Mile Marker 4.256 and extended northerly 1.455 miles to Mile Marker 5.711 including Court Square from Mile Marker 4.948 to Mile Marker 5.029. Work performed for this project included coarse milling, resurfacing with leveling and wearing courses, drainage rehabilitations, pavement markings, signs, and other related highway items. *Client: VAOT; Phillip Harrington (RE)*

Middlebury WCRS(23), Addison County, VT. 06/19-10/21. Chief Inspector. This project was on the Vermont Railway. Project scope included the replacement of two nearly 100-year-old bridges with a tunnel. The two bridges are about 300-ft apart, with one located on Main Street/VT 30 and the other on Merchants Row. Work performed under this project includes removal and replacement of Bridge 102 and Bridge 2 with a tunnel along a modified railroad alignment, lowering of the tracks, construction of approach retaining walls (U-walls), and roadway and utility work. A 360-ft tunnel will replace the Main Street and Merchants Row bridges and will address several deficiencies now facing the railroad. Currently, the bridges do not have enough vertical clearance for double-stack rail cars. By lowering the rail bed approximately 4-ft, clearance can be increased to 21-ft without impacting the grade of the road and sidewalks above. The tunnel will also enable the alignment of the rail to change, softening the curve that currently exists, allowing better horizontal clearance for trains. Drainage improvements and covering the track will reduce the risk of icing problems that have been severe in some winters as well as ponding that occurs. The project has had to balance community needs and character, local and regional mobility, construction feasibility – all while keeping the rail line active, except during a 10-week closure period, as communities along the line depend on rail for deliveries of various commodities. *Client: VAOT; Jonathan Griffin (RE)*

Middlebury EWP3 (CMGC), VT. 05/17-06/19. Chief Inspector. This project includes the installation of two temporary bridges as part of the overall projects of replacing two railroad overpasses with one train tunnel. *Client: VAOT; Tim Pockette (RE)*

Pittsford HPP ABRB(9). 07/16–10/17. Chief Inspector. The work consisted of rehabilitation of a 210-ft, 2-span, steel truss bridge built in 1900. *Client: VAOT; Tim Pockette (RE)*

Rutland City BRF 3000(19). 04/16-07/16. Inspector. The work consisted of replacement of a 220-ft, 2-span, and prefabricated steel truss bridge. *Client: VAOT; Tim Pockette (RE)*

Rutland City BRF 3000(16), Rutland, VT. 04/15-07/15. Inspector. Work performed under this project included replacement of a bridge on TH 8 (River Street) over the Otter Creek including sidewalks and related approach and channel work. *Client: VAOT; Tim Pockette (RE)*

Shrewsbury BHO 1443(49). 05/15-12/15. Inspector. The work consisted of rehabilitation of a 112-ft span, town lattice wooden covered bridge. *Client: VAOT; Tim Pockette (RE*)

Shrewsbury STP 1443(44). 06/15-10/15. Inspector. The work consisted of replacement of a box culvert with a new 12-ft span precast concrete arch. *Client: VAOT; Tim Pockette (RE)*

County Route 16 over Halfway Brook, Fort Ann, NY. 06/14-01/15. Chief Inspector. The new bridge was a 100-ft long, single span. Reinforced concrete abutments were founded on ledge. *Client: VAOT; Tim Pockette (RE)*

CR 16 over Halfway Brook, Fort Ann, NY. 06/14-01/15. Chief Inspector. This Locally Administered Federal Aid Project involved

complete replacement of County Route 16 over Halfway Brook on a new alignment, along with drainage and roadway improvements. The existing bridge was a 102-ft long, 3-span structure consisting of poured in place concrete abutments and piers supporting structural steel stringers and a concrete deck with an asphalt wearing surface on the deck. GPI provided preliminary and final design services that included Topographic Survey and Mapping; Environmental Studies; Development of Design Alternatives; Preparation for and attending a Public Information Meeting; Preparation of a Design Report; a Bridge Conceptual Structure Plan; Final Bridge and Highway Design Plans and Specifications; and preparation of Construction Bid Documents. The project also required right-of-way takings and easements. During construction, the existing bridge was utilized to maintain traffic while the new bridge was constructed. The new bridge is a single span structure that carries two 11'-0" wide travel lanes and two 4'-0" wide shoulders. The superstructure is a single span, weathered steel plate girders with composite concrete deck. GPI assisted the County during the construction bid phase, which included evaluating all bids and recommended award to the lowest responsible bidder. Construction support and inspection services were also provided that included a full time Resident Engineer and NICET Level III Inspector. *Client: Washington County Department of Public Works, Scott Tracy, Deputy Supervisor, 518.746.2465, stracy@co.washington.ny.us*

## Prior Firm Experience

Essex County Department of Public Works, Elizabethtown, NY. 01/01/10-01/05/14. Mr. Lavigne held the following positions; Superintendent of Public Works (1/1/10-1/5/14), Deputy Superintendent (9/10/94-1/1/10), Temporary Superintendent (7/94-9/94), Civil Engineer/Assistant to Superintendent (11/87-7/94), Sign Maintenance Supervisor (5/85-11/87), Engineering Technician (4/84-5/85). The Public Works Department has authority and legal jurisdiction over 358 miles of highway, 135 bridges, 80 public buildings, veterans' cemetery, transportation of solid waste, fairgrounds management, and health and safety compliance of all 600 Essex County Operations Employees. *Contact: 518.873.6326*

John Deming, Land Surveyor, New Russia, NY. 07/81-04/84. Survey Technician / Crew Chief. Field Measurements, data computation and drafting. *Contact: 518.873.2178*

U.S. Forest Service, Humboldt National Forest, Elko, NV. 05/80-07/81. Survey Technician. Supervisor of Right-of-way acquisition, field measurements, drafting and aerial photo library. Supervision of 3 employees. *Contact: 775.738.5171*

# James Marshall

Technician IV

**PROPOSED PROJECT ASSIGNMENT**: Inspector

**EDUCATION:**

*BS Agricultural Engineering – University of Maine*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade 1 – 2023 (Anticipated Recertification)*
*ATSSA Traffic Control Technician and Flagging*
*NETTCP HMA Paving Inspector – 2020*
*Nuclear Density Gauge*
*Presby Environmental Wastewater Systems Installer*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *2*
**TOTAL YEARS EXPERIENCE:** *40+*

## Professional Profile

Mr. Marshall has many years of experience in construction, inspection, and maintenance working for contractors and the Vermont Agency of Transportation. His experience includes plan reading and quantity takeoffs, supervising construction crews, training new employees, bidding, and negotiating contracts, project management, and assisting town officials with highway budget planning and grant and FEMA applications.

Mr. Marshall has extensive knowledge of stormwater regulations and treatment practices. He is also familiar with surveying techniques including GPS and ARCGIS. Mr. Marshall spent five years on AGC's Training and Safety Committee and two years on VAOT's Standards Committee.

Inspector. Responsible for providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. S/he was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. S/he was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

Chief Inspector. Responsible for the administration, engineering, and inspection of the project. As Chief Inspector, s/he was accountable for survey, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included. As Chief Inspector, s/he delegated duties to the Inspector(s) and the Office Engineer.

## Project Experience

Greenman-Pedersen, Inc. 05/21+.

Hardwick STP 037-3(7). Caledonia County, VT. 08/22-10/22. Chief Inspector. This project on VT Route 16 in the Town of Hardwick began at Mile Marker 0.184 (Station 9+70.00) and extended easterly for a distance of 0.014 miles (75.00 ft) to Mile Marker 0.198 (Station 10+45.00). Work performed for this project along the Lamoille River included stream bank stabilization, stone fill, culvert replacement in an 18 to 20-ft deep excavation, channel realignment, and other highway related items.

Hardwick STP PC23(1), Caledonia County, VT. 04/22-10/22. Chief Inspector. This project on VT Route 14 in the Town of Hardwick began at Mile Marker 0.991 (Station 52+33) and extended northerly to the intersection of VT Route 14 and VT Route 15 at Mile Marker 1.515 (Station 80+00.00) (on VT Route 15 this is Mile Marker 3.351 = Station 176+92). The project also included on VT Route 15/VT Route 14 in the Town of Hardwick beginning at Mile Marker 2.206 (Station 116+50) and extending easterly to VT Route 15 Mile Marker 3.659 (Station 193+22). The total length of the project was 1.977 miles (10,439 ft). Work performed for this project included coarse-milling, resurfacing with leveling and wearing course, pavement markings, signage, sidewalk ramps and curb, and other related highway items. *Client: VAOT; Matt Birchard (RE)*

Richford-Jay STP 2914(1), Franklin & Orleans Counties, VT. 05/21-10/21. Inspector. This project on VT 105 began at Richford Mile Marker 2.529 and extended easterly 7.438 miles to Jay Mile Marker 0.718. Work performed for this project included coarse-milling, reclaiming, correcting superelevation deficiencies,

resurfacing with a base course of cold mix and intermediate and wearing courses of pavement, reconstruction of a railroad grade crossing, pavement markings, guardrail, drainage improvements, and other highway related items. *Client: VAOT; Matt Birchard (RE)*

Eden STP FPAV(29), Lamoille County, VT. 06/21-08/21. Chief Inspector. This project began on VT 118 starting at Eden Mile Marker 0.000 and extended northerly 4.650 miles to Mile Marker 4.650. Work performed for both projects included fine-milling and resurfacing the existing highway, guardrail improvements, pavement markings, and other related highway items. *Client: VAOT; Matt Birchard (RE)*

## Prior Firm Experience

Vermont Agency of Transportation, District 5, Colchester, VT. 2012-Present. Technician VI.

Vermont Agency of Transportation, Materials, Berlin, VT. 2010-2012. IA Technician.

A.L. St Onge, Montgomery, VT. 2009. Grade Foreman.

Dubois Construction, Middlesex, VT. 2006-2008. Job Superintendent.

Paragon Construction, Orford, NH. 2005. Grade/Labor Foreman.

City of South Burlington, South Burlington, VT. 2002-2005. Engineering Technician and Surveyor.

Munson Earth Moving, Williston, VT. 2001. Construction Superintendent.

A.C. Paving, Williston, VT. 1999-2000. Layout/Foreman.

J.A. McDonald, Lyndon, VT. 1998-1999. Grade Foreman.

F.R. Lafayette, Essex Jct., VT. 1991-1998. Project Manager.

Pike Industries, Inc., South Burlington, VT. 1983-1990. Estimator.

# Joshua Maxfield, P.E.

Civil Engineer IV

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector

**EDUCATION:**

*AE/2010/Civil and Environmental Engineering/Vermont Technical College*
*BS/2013/Civil Engineering/University of Vermont*
*MSCE/2016/Structural Engineering/Norwich University*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade 1- 2019*
*ATSSA Traffic Control Technician - 2017*
*Grouted PT Inspector - 2019*
*NAUI Certified SCUBA Diver*
*NETTCP Concrete Inspector – 2020*
*NETTCP Drilled Shaft Inspector – 2022*
*NETTCP Driven Pile Inspector – 2021*
*NETTCP HMA Paving Inspector - 2021*
*NETTCP Soils & Aggregate Inspector - 2018*
*Nuclear Density Gauge*
*Order of the Engineer – UVM Chapter*
*OSHA 10-Hour*
*PCI Technician – Level I and II*
*PE License in Vermont - 2020*
*Post Tensioning - Level I Multi-Strand and*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *9*
**TOTAL YEARS EXPERIENCE:** *11*

## Professional Profile

Mr. Maxfield is a highly motivated, Professional Engineer who is continuously striving for advancement in his engineering career. His background consists of a rewarding professional experience working in Vermont on multiple civil/highway projects as a chief inspector and an inspector as well as the opportunity to be a part of the quality management crew at the Tappan Zee Bridge in New York performing quality assurance inspection services for the production of precast reinforced concrete bridge deck panels.

Mr. Maxfield has served as a Chief Inspector or Inspector on the following projects.

Chief Inspector: As a Chief Inspector, he was responsible for the administration, engineering, and inspection of the project. Duties included survey including initial project control, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities; monitoring field operations, verifying field measurements, coordinating sampling, traffic control, safety issues, public meetings, and general communication and documentation duties. As Chief Inspector, he also delegated duties to the inspector(s) and the Office Engineer.

Inspector: As an Inspector, he was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 05/14+.

NCHRP 10-110 3D Modeling Guide for Construction Inspection. 11/22+. Assistant to Principal Investigator. The objective of this research project is to identify 3D model information required to support construction inspection, verification, and contract administration. Mr. Maxfield is responsible for performing the literature search, conducting a gap analysis, and developing a list of core competencies required for construction inspectors related to 3D digital delivery. *Client: National Academies of Science*

Statewide Southern Region STP CRAK(44), Multiple Towns & Counties, Southern Region, VT. 08/22-10/22. Chief Inspector. This cracking sealing project included work on various State, US, and Interstate Highways within the Southern Region of the state. Work performed for this project included the routing and sealing of cracks in bituminous concrete pavement on existing State, US, and Interstate Highways and the appropriate traffic control. *Client: VAOT; Demetrio Gagnon (RE)*

Statewide Northern Region STP CRAK(43), Multiple Towns & Counties, Northern Region, VT. 07/11-10/22. Chief Inspector. This cracking sealing project included work on various State, US, and Interstate Highways within the Northern Region of the state. Work performed for this project included the routing and sealing of cracks in bituminous concrete pavement on existing State, US, and Interstate Highways and the appropriate traffic control. *Client: VAOT; Demetrio Gagnon (RE)*

Statewide Southern Region STPG MARK(319), Multiple Towns & Counties, Southern Region, VT. 04/22-10/22. Chief Inspector. This line striping project included State roads and Class 1 and Class 2 town highways within the Southern Region (District #1, District #2, and District #3). Work performed for this project included application of center line, edge line, lane line, and green pavement markings on National Highway and State system roads. Also, this project included application of center line markings on Class 1 and Class 2 town highways. *Client: VAOT; Demetrio Gagnon (RE)*

Statewide Northwest Region STPG MARK(318), Multiple Towns & Counties, Northwest Region, VT. 04/22-10/22. Chief Inspector. This line striping project included State roads and Class 1 and Class 2 town highways within the Northwest Region (District #5, District #6, and District #8). Work performed for this project included application of center line, edge line, lane line, and green pavement marking

on National Highway and State system roads. Also, this project included application of center line markings on Class 1 and Class 2 town highways. *Client: VAOT; Demetrio Gagnon (RE)*

Statewide Northeast Region STPG MARK(317), Multiple Towns & Counties, Northeast Region, VT. 04/22-10/22. Chief Inspector. This line striping project included State roads and Class 1 and Class 2 town highways within the Northeast Region (District #4, District #6, District #7, and District #9). Work performed for this project included application of center line, edge line, lane line, and green pavement markings on National Highway and State system roads. Also, this project included application of center line markings on Class 1 and Class 2 town highways. *Client: VAOT; Demetrio Gagnon (RE)*

Statewide IMG MARK(119), Multiple Towns & Counties Statewide, VT. 06/22-08/22. Chief Inspector. This line striping project included all of Interstate 89, 91, 93, and 189, as well as US 4 from MM 0.000 to 18.829. Work performed for this project included new pavement markings including edge lines, lane lines, dashed and dotted acceleration lanes, ramp edge lines, stop bars, letters, symbols, crosswalks, and other highway related items. *Client: VAOT; Demetrio Gagnon (RE)*

Statewide STP CRAK(41), Multiple Towns & Counties, Northern Region, VT. 08/21-12/21. Chief Inspector. This project includes the routing and sealing of cracks in bituminous pavement on existing state, US, and interstate highways in the southern region, as well as the associated traffic control. *Client: VAOT; Mark Mackintosh (RE)*

Statewide STP CRAK(42), Multiple Towns & Counties, Southern Region, VT. 08/21-12/21. Chief Inspector. This project includes the routing and sealing of cracks in bituminous pavement on existing state, US, and interstate highways in the northern region, as well as the associated traffic control. *Client: VAOT; Mark Mackintosh (RE)*

Statewide IMG MARK(118), Multiple Towns & Counties, VT. 07/21-12/21. Chief Inspector. This was a line striping project that included all of Interstates 89, 91, 93, and 189 and US 4 from MM 0.00 to 18.82. Work performed under this project included pavement markings including edge lines, lane lines, dashed and dotted acceleration lines, stop bars, letters, symbols, crosswalks, and other highway related items. *Client: VAOT; Mark Mackintosh (RE)*

Bradford WCRL(21), Town of Bradford, Orange County, VT. 04/21-06/21. Chief Inspector. This project involved the rehabilitation of Bridge No. 513 over the Waits River at Mile Post 75.95 of the Washington County Railroad. Work to be performed under this project included rehabilitation of the existing single span steel through truss, rehabilitation of portions of the existing abutment stems, wingwalls, backwalls, and bearings, and surfacing the track on the approaches. *Client: VAOT; Jay Strong (RE)*

Statewide-NE STPG MARK(314), Multiple Towns & Counties, VT. 10/20-10/21. Chief Inspector. This project included all the national highway and state system roads, and Class 1 and 2 town highways within the Northeast Region (Districts 4, 7, and 9). Work performed under this project includes the application of center line, edge line, and green pavement markings on national highway and state system roads and application of center line markings and green pavement markings on Class1 and 2 town highways. *Client: VAOT; Mark Mackintosh (RE)*

Statewide-South STPG MARK(316), Multiple Towns & Counties, VT. 10/20-10/21. Chief Inspector. This line striping project included all the national highway and state system roads, and Class 1 & 2 town highways within the South Region (Districts 1, 2, and 3). Work performed under this project included the application of center line, edge line, and lane line pavement markings on national highway and state system roads and application of center line markings on Class1 and 2 town highways. *Client: VAOT; Mark Mackintosh (RE)*

Statewide-NW STPG MARK(315), Multiple Towns & Counties, VT. 10/20-10/21. Chief Inspector. This project included line striping on all of the national highway and state system roads, and Class 1 and 2 town highways within the Northwest Region (Districts 5 and 8). Work performed under this project also includes the application of center line, edge line, and green pavement markings on national highway and state system roads and application of center line markings and green pavement markings on Class1 and 2 town highways. *Client: VAOT; Mark Mackintosh (RE)*

Statewide STP CRAK(39), Multiple Towns & Counties, Southern Region, VT. 09/20-11/20. Chief Inspector. This project includes the routing and sealing of cracks in bituminous pavement on existing state, US, and interstate highways in the southern region, as well as the associated traffic control. *Client: VAOT; Mark Mackintosh (RE)*

Statewide STP CRAK(40), Multiple Towns & Counties, Northern Region, VT. 09/20-11/20. Chief Inspector. This project includes the routing and sealing of cracks in bituminous pavement on existing state, US, and interstate highways in the northern region, as well as the associated traffic control. *Client: VAOT; Mark Mackintosh (RE)*

Statewide IMG SIGN(61) Multiple Towns & Counties, VT. 10/20-11/20. Chief Inspector. This was a sign project on the Interstate system, 89, 91, and 93 plus the limited access sections of US 4 and US 7. Work performed under this project included the installation of new exit signs. As required by the Federal Highway Administration (FHWA), the Vermont Agency of Transportation added mile marker information below interchange guide signs on Vermont interstates and limited access highways. *Client: VAOT; Mark Mackintosh (RE)*

Statewide IMG MARK(117), Multiple Towns & Counties, VT. 09/20-11/20. Chief Inspector. This was a line striping project that included all of Interstates 89, 91, 93, and 189 and US 4 from MM 0.00 to 18.82. Work performed under this project included pavement markings including edge lines, lane lines, dashed and dotted acceleration lines, stop bars, letters, symbols, crosswalks, and other highway related items. *Client: VAOT; Mark Mackintosh (RE)*

Bethel BHF 0241(38), Town of Bethel, Windsor County, VT. 05/20-06/20. Chief Inspector. This project which was for the replacement of Bridge 38 on VT 12 over Gilead Brook. The bridge is approximately 4 miles north of the intersection of VT 12 and VT 107. The new three-span bridge has a weathering steel plate girder superstructure with parabolic hunched webs at the piers for aesthetic purposes. It is 364-ft in length including two approach spans of 110-ft and a center span of 144-ft. The clear roadway width of the new bridge is 31-ft. An ornamental steel lattice treatment similar to that on the existing bridge was attached to the outside of the standard two rail box beam for aesthetic purposes. The two piers are concrete hammerhead piers that rise approximately 45-ft above the existing streambed. The new bridge is on a revised alignment. Traffic was maintained on the existing bridge during construction. *Client: VAOT; Tom Chase (RE)*

Orleans Village BF 0310(7), VT. 04/19-12/19. Chief Inspector. This project included the complete replacement of Bridge 10 over the Barton River on VT 58 (TH 1). The new bridge consists of a composite superstructure (concrete deck on steel beams) and a substructure with one abutment on a spread footing doweled into ledge and the other supported by steel H-piles penetrating into competent bedrock. The bridge has 11-ft lanes, 4-ft shoulders, and sidewalks on both sides. The project also included realignment of the intersection and approach work. *Client: VAOT; Nick Newland (RE)*

East Montpelier BRF 037-1(7), VT. 06/17-12/17, 04/18-12/18. Chief Inspector. This project included the full depth reconstruction and widening of 900-ft of US 2, installation of storm drains and structures, modifications to an existing retaining wall, sidewalk and curb placement, reconstruction of drives, installation of a 132' two-way temporary bridge and paved approaches, demolition of the existing bridge, traffic signal installation, drilled shaft installation, placement of precast pier caps, placement of structural steel, placement of precast deck panels, bridge membrane, pavement, pavement markings. *Client: VAOT; Chris Barker (RE)*

East Montpelier BF EWP2(1), VT. 10/16-01/17. Inspector. This project included new drainage, retaining wall, and conduit for underground utilities. Drainage construction included the trenchless installation of centrifugally cast fiberglass reinforced polymer mortar (CCFRPM) pipe utilizing auger boring methods as well as the construction of a reinforced cast-in-place headwall and related precast reinforced concrete drop inlets. The retaining wall was constructed using precast Redi-Rock concrete blocks. This project also included trenchless installation of underground utilities using horizontal drilling methods. The majority of the construction took place at night. *Client: VAOT; Chris Barker (RE)*

St. Johnsbury BF 7000(20), VT. 05/17-06/17. Inspector. This project included the replacement of VT 2B Bridge 6, a three-span steel girder bridge constructed in 1936 that crosses over the Lamoille Valley Rail Trail. This project was part of the Accelerated Bridge Program, allowing for a maximum 50-day road closure to complete the project. The new structure consists of a buried galvanized steel structural plate arch with MSE wingwalls and slope stabilization, a timber boardwalk for trail beneath bridge, and all other bridge, highway, and trail related items. *Client: VAOT; Jay Strong (RE)*

Statewide STP CRAK(34), VT. 09/16-10/16. Inspector. This was a crack sealing project on sections of state highways and interstates in multiple towns throughout the state. *Client: VAOT; John Sladyk (RE)*

Craftsbury BO 1449(34), VT. 06/16–08/16. Inspector. This project consisted of the replacement of Craftsbury TH 4 Bridge 4, a single span steel beam bridge with concrete deck constructed in 1929. This bridge replacement was constructed using Accelerated Bridge Construction methods which included the offsite construction of three prefabricated bridge units (PBUs) consisting of two steel beams each with the concrete deck placed at the Carrara precast facility in Middlebury, VT. The project also included foundation pile driving, abutment placement, slope stabilization, PBU placement, concrete closure pours, bridge rail installation, and all other bridge and highway related items. *Client: VAOT; Seth Hisman (RE)*

Irasburg IM DECK(46), VT. 05/16-06/16. Inspector. This was a bridge deck replacement project located on Interstate 91. This included the bolt replacements for girder splices, welded shear stud installations, and the placement of the reinforced concrete deck. *Client: VAOT; Seth Hisman (RE)*

BLS Bennington LC, Northside Drive Roundabout, VT. 04/16-05/16. Chief Inspector. The project consisted of the construction of a roundabout, built in five construction phases. This included utility relocation, installation of new drainage structures and piping, street lighting, sidewalks and ramps, and other highway related items. *Client: Doucet and Associates*

Tappan Zee Bridge Design Build, NY. 12/14-01/15, 9/15-01/16. Inspector. Mr. Maxfield provided quality assurance inspection services for the production of precast reinforced concrete bridge deck panels. His tasks included pre pour inspection of forms and reinforcing steel, as well as concrete pour supervision to verify that the contractor followed the necessary procedures outlined in the PCI Manual, NYSTA Construction Specifications, and the plant's Quality System Manual. He was also responsible for the final inspection of panels to determine QA acceptance of panels prior to shipping. Panels were produced by the subcontractor Unistress in Pittsfield, MA. *Client: Tappan Zee Constructors, LLC*

St. Johnsbury-Lyndon STP 2936(1), VT. 09/15. Inspector. This was a Class I town highway paving project on US 2, 5, Alt 5, and VT 122 in St. Johnsbury and Lyndonville. He was responsible for the supervision of the installation of asphaltic plug expansions joints at multiple railroad crossings. *Client: VAOT; Jay Strong (RE)*

Barton BRO 1449(31), VT. 07/15-09/15. Inspector. This project consisted of the replacement of Barton TH 2 Bridge 8; a reinforced concrete bridge constructed in 1928 that had recently been deemed structurally deficient. This bridge replacement was constructed with Accelerated Bridge Construction methods and was completed within the 28 day road closure period. The new span was constructed using three 46' precast/prestressed NEXT beams and precast abutment sections. The project also included pile driving, abutment placement, slope stabilization, NEXT beam span placement, precast approach slab placement, concrete closure pours, bridge rail installation, bridge membrane installation, paving of the 500' of roadway within the project limits, and all other bridge and highway related items. *Client: VAOT; Seth Hisman (RE)*

Jay-Troy STP 2915(1), VT. 06/15-07/15. Inspector. This was a reclaim and paving project on VT 105. His responsibilities for this project included supervision of the installation of underdrain as well as shoulder reconstruction to accommodate a wider roadway section. *Client: VAOT; Seth Hisman (RE)*

Ryegate Culvert Design Build, VT. 11/14-12/14, 03/15-05/15. Inspector. The project consisted of the replacement of two outdated and undersized culverts with much larger concrete arch culverts. The culverts carry the Manchester Brook underneath both US Route 5 and the Washington County Railroad where it empties into the Connecticut River. Tasks included the supervision of the construction of a temporary single lane diversion, the installation of sheet piles and soil anchors for the support of excavation during the project, the installation of a temporary rail bridge, and other related activities. *Client: Engineers Construction, Inc.*

Statewide STP CRAK(32), VT. 09/14-10/14. Inspector. This was a crack sealing project on sections of state highways and interstates in multiple towns throughout the state. The project called for using both the "rout and fill" method, and the "blow and go" method. *Client: VAOT; John Sladyk (RE)*

Statewide STP SDWK(11), VT. 06/14-09/14. Inspector. This was a sidewalk improvement project in multiple towns throughout VT. The project consisted of the reconstruction of municipal sidewalks to meet the requirements of the Americans with Disabilities Act (ADA) 2010 standards for accessible design. Improvements also included pedestrian signal upgrades, new granite and concrete curbing, pavement markings, and the installation of new signs. *Client: VAOT; Mike Booth (RE)*

Statewide NE Region STP HRRR(16), VT. 05/14-06/14. Inspector. This was a high risk rural roads (HRRR) project in northeast VT. The project consisted of the installation of new signs, guardrail, and pavement markings in multiple towns in the northeast. The project also included the modification and paving of an intersection in Newark, VT. *Client: VAOT; Brigitte Codling (RE)*

## Prior Firm Experience

Neagley & Chase Construction Company, S. Burlington, VT. 10/13-05/14. Project Engineer. Mr. Maxfield worked directly with Project Managers overseeing multiple new construction projects. His responsibilities included reviewing and processing submittals, RFIs, change orders, as well as interpreting construction plans and communicating with clients and subcontractors in an office setting and on project sites.

Richard W. Bell Land Surveying, Inc., Barre, VT. 08/13–09/13. Survey Technician. Mr. Maxfield conducted property boundary surveys as part of a survey team. His responsibilities included operation of a total station for line measurement, traverse setup, as well as monument setting.

Walsh Construction Company, Canton, MA. 05/12-08/12. Engineering Intern. Mr. Maxfield assisted the management team on the Porter Square Station Improvement Project for the Massachusetts Bay Transportation Authority. He was responsible for assisting with construction layout, coordination drawings, and the supervision of multiple sub-contractors onsite.

VT Agency of Natural Resources, Waterbury, VT. 06/10-08/11. Environmental Technician. Mr. Maxfield conducted cadastral surveys for the Lands Administration Division using an electronic total station and GPS instruments. Fieldwork included line clearing, line measurement and monument setting. He researched public land records to produce survey abstracts and to determine title boundaries and property rights. He completed survey computations as well as mapping with AutoCAD Civil3D.

Scribner Bridge Roadway Redesign, Johnson, VT. Spring/13. Mr. Maxfield collaborated with the Town Manager of Johnson, VT and the retained engineering firm to develop a solution for damage caused by increased flooding and repeated washout of a rural town road. Ensuring the preservation of the Town's historic Scribner Bridge, located adjacent to the washed out road, was an essential aspect of the project.

25th Annual Troitsky Bridge Building Competition, Concordia University, Montreal, QC. 03/09. Mr. Maxfield competed as a member of the Vermont Technical College Engineering Club against 40 other U.S. and Canadian teams in the Troitsky Bridge Building Competition where his team ranked 1st in the presentation and professionalism category and 5th overall.

# Robert W. McNeish

Technician IV

**PROPOSED PROJECT ASSIGNMENT**: Office Engineer

**EDUCATION:**
*BBA/Accounting*

**REGISTRATIONS/CERTIFICATIONS:**
*ACI Concrete Field-Testing Technician, Grade I – 2020*
*Certified Public Accountant*
*Certified Scrum Master*
*NETTCP Concrete Inspector-2020*
*OSHA 10 – 2020*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *6*
**TOTAL YEARS EXPERIENCE:** *22+*

## Professional Profile

Mr. McNeish has experience managing and coordinating multiple large cross-functional projects with the goal of delivering operational enhancements and efficiencies while reducing the cost of processing and delivery. He has 22+ years of experience in delivering quality complex IT projects that resulted in more effective and efficient use of resources and greatly improved the customer experience. He joined GPI in 2017 as a Project Manager.

Since leaving the Site Manager replacement project in 2019, Mr. McNeish has served as the Office Engineer on the projects listed below.

Office Engineer: As Office Engineer, Mr. McNeish was responsible for the administrative work for the contract. He was responsible for project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications and sampling, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights payroll issues.

## Project Experience

Greenman-Pedersen, Inc. 01/17+.

Swanton-St Johnsbury STP LVRT(12), Cambridge, Fletcher, Bakersfield, Fairfield, & Sheldon, Lamoille and Franklin Counties, VT. 01/22-02/23. Office Engineer. This project on the Lamoille Valley Rail Trail began at the intersection of North Main Street in the Town of Hardwick and extended westerly 12.44 miles to VT 15A in the Town of Morrisville. Work to be performed under this project included construction of trail surface, clearing, ditching, installation of culverts, signing, and miscellaneous structure repairs and bridge modifications including decking and railing installation. *Client: VAOT; Jeff Cota (RE)*

Swanton-St Johnsbury STP LVRT(11), Cambridge, Fletcher, Bakersfield, Fairfield, & Sheldon, Lamoille and Franklin Counties, VT. 04/22-11/22. Office Engineer. This project on the Lamoille Valley Rail Trail began in the Town of Cambridge at the intersection with VT 109 and extended westerly 18.38 miles to Bridge Street in the Town of Sheldon. Work to be performed under this project included construction of trail surface, clearing, ditching, installation of culverts, signing, and miscellaneous structure repairs and bridge modifications including decking and railing installation. *Client: VAOT; Jeff Cota (RE)*

Swanton-St Johnsbury STP LVRT(10), Walden, Hardwick, Greensboro, Wolcott, Bakersfield, & Fairfield, Caledonia, Orleans, Lamoille, & Franklin Counties, VT. 11/21-08/22. Office Engineer. This project on the Lamoille Valley Rail Trail included Bridge A27 in Walden, Bridge 34 in Hardwick, Bridge 35 in Greensboro, Bridge 48 in Wolcott, Bridge 77 in Bakersfield, and Bridges 80 and 83 in Fairfield. Work to be performed under this project included the demolition of existing bridges, construction of new pedestrian bridges, addition of stone riprap, signing, installation of railings, and minor trail approach work. *Client: VAOT; Jeff Cota (RE)*

Swanton-St Johnsbury STP LVRT(13), Danville, Walden, Hardwick, Stannard, & Greensboro, Caledonia & Orleans Counties, VT. 11/21-11/22. Office Engineer. This project on the Lamoille Valley Rail Trail began at the western approach of the intersection of Channel Drive in West Danville and extended westerly 17.85 miles to the eastern approach with Maple Street in Hardwick. Work to be performed under this project included construction of trail surface, clearing, ditching, installation of culverts, signing, miscellaneous structure repairs and bridge modifications including decking and railing installation. *Client: VAOT; Jeff Cota (RE)*

Swanton-St Johnsbury STP LVRT(9), Highgate & Sheldon, Franklin County, VT. 10/20-06/21. Office Engineer. This project on the Lamoille Valley Rail Trail began at the intersection with the Missisquoi Valley Rail Trail in Sheldon and extended westerly 6.29 miles to Gore Road in Highgate Center. Work to be performed under this project included construction of trail surface, clearing, ditching, installation of culverts, signing, miscellaneous structure repairs and bridge modifications including decking and railing installation. *Client: VAOT; Jeff Cota (RE)*

Enosburg BF 0283(42) & Berkshire STP SCRP(23), Franklin County, VT. 04/21-10/21. Office Engineer. Enosburg BF 0283(42) – This project on VT 118 was for the replacement of Bridge 24 located 1.71 miles southeasterly from the intersection with VT 105. Work performed on this project included removal and replacement of the existing bridge with a cast-in-place concrete slab bridge on integral abutments along with related channel and approach work. Traffic was maintained on a two-way temporary detour. Berkshire STP SCRP(23) – This project on VT 118 was for the replacement of a 6-ft by 6-ft concrete box culvert with a 4'by 8' precast concrete box structure, located 1.2 miles easterly from the intersection with VT 105. Work performed on this project included removal and

replacement of the existing concrete box along with related channel and approach work. Traffic was maintained on a two-way temporary detour. *Client: VAOT; Jeff Cota (RE)*

Moretown STP PS 20(1), Washington County, VT. 06/20-11/20. Office Engineer. This project on VT 100B, began at MM 0.00 and extended northerly to MM 4.295. Work to be performed under this project included coarse-milling and resurfacing with leveling and wearing courses, pavement markings, guardrail, centerline rumble strips, signs, and other highway related items. *Client: VAOT; Phil Harrington (RE)*

Moretown BF 0167(16), Washington County, VT. 06/20-11/20. Office Engineer. This project, on VT 100B, began approximately 0.51 miles north of its intersection with VT 100 and extended easterly 0.066 miles. Work to be performed under this project included removal and replacement of Bridge 2 over the Mad River, along with related approach roadway and channel work. The existing bridge was replaced with a new single span bridge. It is 100-ft in length and has a 30-ft rail to rail width to meet current design standards and accommodate bicycle and pedestrian traffic. The new superstructure consists of five tangent steel plate girders with a bare concrete deck. The substructure is founded on bedrock. During construction, traffic was maintained on a regional detour. *Client: VAOT; Phil Harrington (RE)*

Bolton IM 089-2(45), Chittenden County, VT. 06/20-10/20. Office Engineer. This project on Town Highway 4 under Interstate 89, approximately 25-ft north of the intersection with US 2, included rehabilitation of the existing concrete box. Work to be performed included concrete patching along the walls and floor of the box culvert, adding lights inside the box to improve visibility, removal of the existing pavement, resurfacing with a 3/8" thin polymer overlay, painting the roof and walls with a graffiti resistant paint, and other related highway items. *Client: VAOT; Phil Harrington (RE)*

Bristol-Starkboro STP FPAV(19), VT. 09/19-11/19. Office Engineer. This was a 3.8-mile paving project on VT 17. Work to be performed under this project included coarse milling, resurfacing with leveling and wearing courses, guardrail replacement, pavement markings, and other highway related items. Repair work had to be performed after erosion from heavy rains damaged the project on 10/31/19. This included placement of stone fill and other erosion control measures. *Client: VAOT; Phil Harrington (RE)*

Bristol BF 021-1(33), VT. 06/19-11/19. Office Engineer. This was a bridge rehabilitation project on VT 116. Work to be performed under this project included the rehabilitation of Bridge 12 over Baldwin Creek, including replacement of the existing bridge deck, patching and repair of substructures, and associated roadway approach work. *Client: VAOT, Phil Harrington (RE)*

New Haven NH 019-3(61), VT. 04/19-01/19. Office Engineer. This was a railroad crossing reconstruction on US 7 and the Vermont Railway. Work performed under the project included replacement of all precast track crossing panels, siding track structure renewal, new ballast, cross tie replacement, should and ditch excavation and grading, guardrail installation, new crossing warning system, replacement of signal flashers, and the addition of gate mechanisms. *Client: VAOT, Phil Harrington (RE)*

Vermont Agency of Transportation (VTrans), Highway Division, IT Solutions and Process Improvements Consultant. 2017-04/19. IT Project Manager. Provided consulting on IT solutions and process improvement at the agency. Contributions to the following projects:

Construction Management System (CMS) Replacement - Executed various project management and business analysis tasks associated with an RFP to replace the Agency's outdated CMS suite. This system support estimating, pre-construction, civil rights, construction management, material and lab management, and decision support. Responsibilities included eliciting functional requirements, documenting the project charter, developing an executive presentation requesting funding to proceed to RFP (funding approved), research on competitive offerings, discussions with other state DOTs as to their CMS plans, and development of the RFP document. Contracting in progress with the recommended replacement system vendor. An Agile methodology will be used for this project. The CMS Replacement is a 3-year, multi-million-dollar initiative. *Client: Vermont Agency of Digital Services; Jayna Guilford, IT Project Manager.*

Materials Acceptance Management System – Defined requirements for wrapping business process management functionality around the agency's highway material acceptance program. *Client: VAOT, Brigitte Codling, MMS Business Manager.*

## Prior Firm Experience

Blue Cross Blue Shield of Vermont (BCBSVT), Berlin, VT. 2008-2016. Program Manager. Directed large multi-million-dollar programs under the Project Management Office (PMO). Multiple teams made up of BCBSVT employees, on site contractors, and off-site contractors working collectively for success. Negotiated vendor contracts and managed vendor resources and deliverables.

Customer Relationship Management – Developed and managed roadmap to move BCBSVT from Outlaw Technology's Customer Focus to MS Dynamics CRM. Departments impacted included Customer Service, Sales, Account Management, and Membership among others. Program included moving provider credentialing from Vistar Tech's VISTAR to MS Dynamics. CRM led to significant BPM efficiencies, cost savings, and an improved customer experience.

Operating Platform Transition – Managed various components of a program to move BCBSVT's complete book of business from DST Health Solutions Power MHS to NASCO. Included all plan processing from membership and premiums to claims and provider management.

Accountable Care – Program initiatives to move from fee for service to fee for performance. Work included coordinating projects to support accountable care organizations (ACOs), manage episodes of care (*i.e., knee and hip replacement*), and provide for data sharing and analytics.

Senior Project Manager – Directed the complete life cycle of complex Information Technology projects. Oversaw large matrix managed project teams from project concept through deploy. Responsibilities often included production support. Reputation for delivering the most complex projects at BCBSVT on schedule and within budget. Delivered projects for claims, membership, provider network management, sales, account management, and marketing among others.

Principal Consultant – On-site IT Project Manager at BCBSVT with Keane Corporation (now NTT Data). Keane contracted with BCBVT to manage and execute IT design, development, deployment, and production support. This relationship changed over time as BCBSVT moved Keane from an IT management roll to one of staff augmentation. Successfully managed numerous IT projects under both Keane and BCBSVT management.

Progress Software Corporation, Bedford, MA. 2003-2007. Senior Manager – General Engineering Manager, Sonic Product Line. Responsible delivering multiple product software releases to plan. Complex java messaging and enterprise service bus product stack competing in the Service Oriented Architecture (SOA) marketplace. Project matrix management from requirements to production and delivery. Also, directly managed a team of four responsible for product patch coordination, testing, and delivery.

- Brought structure and control to the release cycle by implementing a formal Release Planning and Management Process.
- Improved development methodology and cross team coordination.
- Delivered releases on schedule by ensuring accurate detailed engineering schedules were in place, by tracking all issues to closure, and by identifying and managing critical integration points. Utilized MS Project Server.
- Led weekly Engineering GEM meetings.
- Represented Engineering at larger Product Delivery Team meetings.
- Successful within a very dynamic environment that included multiple changes in senior management and team makeup.

Manager – General Engineering Manager. Managed the release matrix for the Sonic set of products. Managed the complete product build process. Supervised team of two professionals responsible for the Sonic product line Release Engineering. Responsible for all desktop and lab server hardware and software including budgets, procurement, deployment, inventory control.

- Utilized Rational ClearCase tools.
- Participated in the rollout of a facility in Hyderabad, India.
- Responsible for Rational ClearQuest defect tracking and reporting.

Fidelity Investments, Boston, MA. 1996-2003. Director of Development - Fidelity e-Business. Program Manager for several major business and strategic initiatives. Release Manager for Fidelity.com's Trading, Account Records, and Money Movement quarterly releases.

Senior Project Manager - Fidelity e-Business. Implemented web content on Fidelity.com as a member of the Trading and Money Movement Team. Projects require management and coordination of complex systems integration, across multiple platforms, managed by various Fidelity companies, through the complete development life cycle. Role required constant communication and reporting to both Fidelity e-Business senior management and to business partners and stakeholders. Multiple projects managed simultaneously.

- Process Improvement Task Force Lead – implementing steps to reduce project time to market.
- Program manager for Specific Share Trading, After Hours Trading, and Interactive Television.
- Project Manager lead on the Fidelity.com site redesign.

Development Manager. Directed Year 2000 conversion and readiness projects for selected client server and mainframe applications. Involved in the early Y2K work of inventorying client server applications. Client Server conversions required significant vendor product upgrades. Managed various teams during this effort. Member of the Fidelity Year 2000 Steering, Leadership, and the Fidelity Brokerage Design Review Committees. Developed detailed project plans and executed those projects to schedule.

- Built test environments and regression test suites for subsystem owners.
- Collaborated with subsystem owners and Fidelity 2000 representatives to foster improved communication and coordination.
- Built out contingency Y2K production processing site in Merrimack, NH.
- Developed automated control techniques to prevent problem code from moving to production.
- Developed comprehensive Access DB to track all FBSI Y2K analysis and issues.
- Fidelity Series 7 Lite course graduate.

Project Manager. Managed key deliverables of the Vantage COR application. Acting as the liaison between the development team and the business-testing group, responsible for providing complete software, hardware, and test ware support ensuring successful user acceptance testing of the product. Utilized Microsoft Project to manage tasks and track milestones throughout the project. Position required both an understanding of the business functionality and the technical aspects of the product.

- Reduced testing effort by eliminating planned redundant testing.
- Improved communications and team spirit between system integration and business testing departments.
- Successful influence of individuals and departments not directly reporting to me.
- Coordinated product demonstrations to key business partners.

Multiview Corporation, Burlington, MA. 1995-1996. Financial Software Consultant. Managed all phases of Multiview software implementations at client sites. Included project planning, professional delivery, expert consulting, and training services with the goal of achieving maximum customer satisfaction and referenceability. Maintained regular contact with assigned clients, recommending and delivering consulting and training services to maintain client expertise and satisfaction with Multiview software. Competently executed all phases of the pre-sales cycle in teamwork with account executives.

- Maintained personal expertise with all Multiview software products via self-initiated training.
- Developed a client-training course for Multiview's most advanced reporting and analytical tool.
- Provided in-house technical assistance and troubleshooting.
- Chaired client roundtable discussions at Multiview's annual users group conferences.

TLP Leasing Programs, Inc., Boston, MA. 1986-1994. Vice President. Directed the planning and financial analysis, information systems and technology, and lease transaction processing. Managed a staff of 11 professionals. Facilitated new business planning and development. Originally a syndicator and manager of public and private limited partnerships and trusts, TLP expanded into portfolio acquisitions, venture leasing, and general partnership investing. Managed the daily operations of a full-service leasing and sales organization. Implemented IT solutions supporting new business development, marketing and sales, operations, accounting, and reporting.

Senior Financial Analyst. Provided analytical support for public limited partnerships, corporate general partner entities, and new business proposals.

Meredith & Grew, Inc., Boston, MA. 1984-1986. Controller.

Arthur Andersen & Co., Boston, MA. 1980-1984. Senior Auditor in the Commercial Audit Division

# Kimberly Nefferdorf, E.I.T.

Civil Engineer III

**PROPOSED PROJECT ASSIGNMENT**: Inspector

**EDUCATION:**

*BS in Civil Engineering from the University of Vermont - 2017*

**REGISTRATIONS/CERTIFICATIONS:**

*Engineering Intern - 2022*
*ACI Concrete Field-Testing Technician, Grade 1- 2019*
*NETTCP Concrete Inspector - 2019*
*NETTCP Driven Pile Inspector – 2020*
*NETTCP HMA Paving Inspector – 2019*
*Nuclear Density Gauge – RSO Cert*
*OSHA 10-Hour*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *6.5*
**TOTAL YEARS EXPERIENCE:** *6.5*

## Professional Profile

Ms. Nefferdorf is a graduate of the University of Vermont with a Bachelor of Science in Civil Engineering. She has displayed organizational and leadership skills throughout her college experience flanked with coursework relevant to her career in civil engineering. Software applications she is familiar with include SAP2000, AutoCAD, GIS, Matlab, SiteManager, Doc Express, Microsoft Word, Excel, and PowerPoint.

Ms. Nefferdorf has also passed the Fundamentals of Engineering exam.

Ms. Nefferdorf has experience in the Certifications Unit of the Construction and Materials Bureau and as an inspector and office engineer on Vermont Agency of Transportation construction projects.

Ms. Nefferdorf has worked as an Inspector and Office Engineer on the projects listed below.

Inspector: As an Inspector. Ms. Nefferdorf was responsible for providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. She was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. She was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

Office Engineer: As an Office Engineer, Ms. Nefferdorf is responsible for the administrative work for the contract. Her duties entailed record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications and sampling, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights payroll issues.

## Project Experience

Greenman-Pedersen, Inc. 05/16+.

Swanton-St Johnsbury STP LVRT(12), Cambridge, Fletcher, Bakersfield, Fairfield, & Sheldon, Lamoille and Franklin Counties, VT. 01/22-02/23. Inspector. This project on the Lamoille Valley Rail Trail began at the intersection of North Main Street in the Town of Hardwick and extended westerly 12.44 miles to VT 15A in the Town of Morrisville. Work to be performed under this project included construction of trail surface, clearing, ditching, installation of culverts, signing, and miscellaneous structure repairs and bridge modifications including decking and railing installation. *Client: VAOT; Jeff Cota (RE)*

Swanton-St Johnsbury STP LVRT(13), Danville, Walden, Hardwick, Stannard, & Greensboro, Caledonia & Orleans Counties, VT. 11/21-11/22. Inspector. This project on the Lamoille Valley Rail Trail began at the western approach of the intersection of Channel Drive in West Danville and extended westerly 17.85 miles to the eastern approach with Maple Street in Hardwick. Work to be performed under this project included construction of trail surface, clearing, ditching, installation of culverts, signing, miscellaneous structure repairs and bridge modifications including decking and railing installation. *Client: VAOT; Jeff Cota (RE)*

Swanton-St Johnsbury STP LVRT(10), Walden, Hardwick, Greensboro, Wolcott, Bakersfield, & Fairfield, Caledonia, Orleans, Lamoille, & Franklin Counties, VT. 11/21-08/22. Inspector. This project on the Lamoille Valley Rail Trail included Bridge A27 in Walden, Bridge 34 in Hardwick, Bridge 35 in Greensboro, Bridge 48 in Wolcott, Bridge 77 in Bakersfield, and Bridges 80 and 83 in Fairfield. Work to be performed under this project included the demolition of existing bridges, construction of new pedestrian bridges, addition of stone riprap, signing, installation of railings, and minor trail approach work. *Client: VAOT; Jeff Cota (RE)*

Fayston STP FPAV(33), Washington County, VT. 07/21-10/21. Inspector. GPI provided construction inspection services for this project. This project began on VT 17 in Fayston started at Mile Marker 0.000 and extended easterly 4.500 miles to Mile Marker 4.500. Work performed for this project included fine-milling, paving the existing highway, guardrail improvements, pavement markings, and other related highway items. *Client: VAOT; Tom Mancini (RE)*

Enosburg BF 0283(42) & Berkshire STP SCRP(23), Franklin County, VT. 04/21-10/21. Inspector. Enosburg BF 0283(42) – This project on VT 118 was for the replacement of Bridge 24 located 1.71 miles southeasterly from the intersection with VT 105. Work performed on this project included removal and replacement of the existing bridge with a cast-in-place concrete slab bridge on integral

abutments along with related channel and approach work. Traffic was maintained on a two-way temporary detour. Berkshire STP SCRP(23) – This project on VT 118 was for the replacement of a 6' by 6' concrete box culvert with a 4'by 8' precast concrete box structure, located 1.2 miles easterly from the intersection with VT 105. Work performed on this project included removal and replacement of the existing concrete box along with related channel and approach work. Traffic was maintained on a two-way temporary detour. *Client: VAOT; Jeff Cota (RE)*

Stowe STP PC19(5) and Waterbury STP PC20(5); VT. 05/20-11/20. Inspector and Office Engineer. The Stowe project began on VT 100 at MM 2.963 and extended 1.019 miles to MM 3.982. There were also two sections on VT 108 from MM 0.003 to 0.067 and from MM 0.092 to 0.495. Work performed under this project included coarse milling, resurfacing with leveling and wearing courses, shoulder widening, pavement markings, drainage improvements, signs, and other related highway items. The Waterbury project began on US 2 at MM 3.509 and extended 0.325 miles to MM 3.834 and then began on VT 100 at MM 0.000 and extended to MM 0.104. Work performed under this project included coarse milling, resurfacing with leveling and wearing courses, new sidewalk, pavement markings, signs, and other related highway items. *Client: VAOT; Tom Mancini, Resident Engineer (RE)*.

Waterbury-Richmond IM SURF (58), VT. 06/19-11/19. Inspector and Office Engineer. Scope of work included surface preparation involving patching, pothole repair, crack sealing, and micromilling, and then inlaying a wearing course on 31.6 miles of Interstate 89. The project also included pavement markings and guardrail rehabilitation. *Client: VAOT, Josh Hulett (RE)*

Statewide STP CRAK(36), Multiple Towns, Multiple Counties, VT. 04/19-06/19. Inspector. Work performed under this project included routing and sealing of cracks in bituminous concrete pavement on State, US, and Interstate highways and the appropriate traffic control. GPI provided construction inspection services. *Client: VAOT; Elise Coolbeth (RE)*

Certification Unit. 04/17-04/19. Certifications Coordinator. Ms. Nefferdorf joined the Certification Unit, completing the two-person team, while concluding her full-time degree requirements. Within the team, Ms. Nefferdorf was the first to review certification submissions which crucially depends on communication with Resident Engineers, field staff, and fellow Materials Acceptance Unit members. Along with daily certification processing Kimberly was involved with process evaluation and auditing of the Umbrella Certification Program and other Materials Acceptance Program associated certification processes. On average the Certification Unit processes 5,000+ certifications per year while consistently meeting Key Performance Indicator goals. Since June of 2018, the Certification Unit was reduced from two members to one, so Ms. Nefferdorf had full responsibility since that time. *Client: VAOT; Phil Peloquin, Quality Assurance Manager*

Materials Acceptance Program. 05/16-08/16. Technician I. Ms. Nefferdorf organized and tracked certifications on a variety of projects. She gained exposure to the materials acceptance process from start to finish. *Client: VAOT; Brigitte Codling, MMS Business Manager*

## Previous Experience

Spice of Life Catering, Server and Novice Staff Leader. Summer/15+. Kimberly participates from start to finish; setting up the kitchen and dining areas, organizing appetizer hour, managing novice staff, serving, and cleaning up from the events.

UVM Chemistry Stockroom Assistant. Fall/15-17. Junior through Senior year Ms. Nefferdorf organizes the chemical stockroom, restocks and mixes chemicals, sets up student labs and operates the student assistance window.

## Leadership Experience

- Captain for University of Vermont Women's Rugby, UVM. 12/16-17. Kimberly was captain during her junior and senior years. Responsibilities included designing team workouts, assembling team officers, ensuring student athlete inclusion, and connecting with other teams and local media.
- Treasurer for ASCE UVM Student Chapter. 09/13-12/13. Managed paperwork and finances for both fundraising and event coordination.

## Other Experience

- Senior Project. Fall/16-17. The overall goal was to provide a viable housing option for underdeveloped countries that experience high earthquake and hurricane activity. The project focuses on understanding the material, and its effects, that the Vermont Haiti Project Inc. has successfully used through Hurricane Matthew.
- AutoCAD Project. Fall/14. Ms. Nefferdorf utilized time management skills, created a structure in AutoCAD including a list of materials with corresponding cost and quantity.
- Intersection Design. Fall/13. Ms. Nefferdorf collaboratively produced an alternative intersection design, employing methodologies such as traffic counting, signal timing, and water runoff management.

# Bethany Oprendek

Technician IV

**PROPOSED PROJECT ASSIGNMENT**: Office Engineer

**EDUCATION:**

*AE Civil & Environmental Engineering Technology from Vermont Technical College - 2018*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Tech Grade I-2016*
*ATSSA Traffic Control Technician - 2012*
*NETTCP Concrete Inspector - 2016*
*NETTCP Drilled Shaft Inspector - 2019*
*NETTCP Drive Pile Inspector - 2019*
*NETTCP HMA Paving Inspector - 2018*
*NETTCP Soils & Aggregate Inspector - 2015*
*Nuclear Density Gauge – RSO Cert*
*OSHA 10-Hour*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *14*
**TOTAL YEARS EXPERIENCE:** *16*

## Professional Profile

Ms. Oprendek began her career as a Program Services Clerk with the Construction Division of the Vermont Agency of Transportation before coming to work for GPI as an Administrative Services Technician. She has worked for GPI since 2009 and has been promoted to Technician IV. While working for GPI she returned to college and received her Associates in Engineering in Civil and Environmental Engineering Technology in May 2018 from Vermont Technical College, graduating summa cum laude.

Ms. Oprendek served as an Inspector, Office Engineer, and/or Chief Inspector on the projects listed below.

Chief Inspector: As a Chief Inspector, she was responsible for the administration, engineering, and inspection of the project. Duties included survey including initial project control, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities; monitoring field operations, verifying field measurements, coordinating sampling, traffic control, safety issues, public meetings, and general communication and documentation duties. As Chief Inspector, she also delegated duties to the inspector(s).

Inspector: As an Inspector, she was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. She was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item and documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

Office Engineer: As an Office Engineer, she was responsible for the administrative work for the projects which included, but was not limited to, project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications, samples, and test results, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights issues.

## Project Experience

Greenman-Pedersen, Inc. 06/09+.

Fair Haven-Rutland Town NHG SIGN(70), Rutland County, VT. 10/21-11/22. Office Engineer. This project on US 4 EB and WB began in Fair Haven at MM 0.000, the Vermont-New York State Line, and extended easterly to MM 18.829 in Rutland Town, at the intersection of US 4 and US 7. Work to be performed under this project includes the removal of existing signs, signposts, overhead sign supports, and guardrail, and the installation of new signs, signposts, overhead sign supports, guardrail, and other highway related items. *Client: VAOT; Sheamus Fagan (RE)*

Fair Haven-Rutland Town NH SURF(64), Rutland County, VT. 07/20-09/21. Office Engineer (2021). This project on US 4 EB and WB began in Fair Haven at MM 0.000, the Vermont-New York State Line, and extended easterly to MM 18.829 in Rutland Town, at the intersection of US 4 and US 7. Work to be performed under this project included fine-milling, paving with a ¾" bonded wearing course, guardrail improvements, drainage improvements, pavement markings, railroad crossing work, and other highway related items. The paving work will only be completed in the travel lanes between the existing shoulder rumble strips. The shoulders will receive a fog seal and cover coat to maintain the condition of the shoulder pavement and ensure proper surface friction characteristics. *Client: VAOT; Sheamus Fagan (RE)*

West Rutland-Rutland STP FPAV(18)/West Rutland STPG SGNL(50), Rutland County, VT. 03/20-12/20. Inspector. The West Rutland-Rutland paving project began on Business US 4 at MM 0.000 and extended easterly for 2.423 miles to the Rutland Town-Rutland City line. Work to be performed under this project included coarse milling, resurfacing with leveling and wearing courses, signal system improvements, pedestrian safety improvements, guardrail, pavement markings, other related highway items. The West Rutland signal project was at the intersection of Business US 4 and VT 4A. Work to be performed under this project included the removal of the existing signal system and the installation of new traffic signal mast arms and poles, signal controller cabinet, and other highway

related items. GPI is providing construction inspection services for this project. *Client: Vermont Agency of Transportation (VAOT); Paul Perry (RE)*

Empire State Trail – NYSDOT Region 3 (D031364), Binghamton, NY. Inspector. 01/19-04/19. Inspection for the improvements to the bicycle and pedestrian access along Route 363 from approximately NYS Route 7 intersection with Fredrick Street to the NYS Route 363 corridor in the City of Binghamton and ending at the Pennsylvania Interchange in the City of Binghamton. *Client: NYSDOT, R3*

Statewide SW STPG SIGN(64), Multiple Towns, Southwest Region, VT. 10/19. Inspector. GPI provided construction inspection services for this project. Work performed under this project included the removal of existing signs and posts and the installation of new signs and posts on multiple routes in multiple towns in the Southwest Region. *Client: VAOT: Chris Williams (RE)*

Statewide Southeast STPG SIGN (67), Multiple Towns, Southeast Region, VT. 10/19-11/19. Inspector. GPI provided construction inspection services for this project. Project scope performed under this project included the removal of existing signs and posts and the installation of new signs and posts on multiple routes in multiple towns in the Southeast Region. As inspector, *Client: VAOT: Chris Williams (RE)*

Woodford BF 010-1(52)/Weathersfield STP 0146(16), VT. 04/19-10/19. Chief Inspector/Office Engineer. The Woodford on VT 9 consisted of lining the existing culvert with concrete spray-on liner and constructing a beveled headwall at the inlet. The Weathersfield project on VT 131 consisted of lining the existing culvert with a concrete spray-on liner and headwall repairs. *Client: VAOT, Jay Strong (RE)*

Middlesex IM 089-2(41), Morristown BRS 0240(3)S & STP HES 030-2(28), VT. 04/18-11/18. Inspector/Office Engineer. The projects were both roadway and bridge construction and provided new areas of experience such as with Mechanically Stabilized Earth retaining walls, a precast concrete Cattle pass, and work above and adjacent to the Interstate and active railroad lines. *Client: VAOT; Tom Mancini (RE)*

Guilford BF 0113 (68), VT. 05/17-08/17. Inspector/Chief Inspector/Office Engineer. Project scope included a complete replacement of the US 5 Bridge over Broad Brook. The new bridge is comprised of a prefabricated superstructure. On the south end, prefabricated integral abutments supported by driven piles were installed. At the north end, prefabricated abutments were placed on bedrock. Mrs. Oprendek was the primary inspector and the Office Engineer and at times filled in as the Chief Inspector. *Client: VAOT; Eric Foster (RE)*

Rutland City Bridges. 01/15-01/17. Tech III. Office Engineer/Inspector. This project included replacement of two bridges including piles, drilled shafts, steel reinforcement, concrete, substructure and superstructure work, earth works, utility relocation, new drainage, and demolition of the existing bridges. *Client: VAOT; Tim Pockette (RE)*

Rutland City – Proctor Reconstruction. 04/14-12/14. Tech III. Office Engineer/Inspector. This was a $10M road reconstruction project. *Client: VAOT; Tim Pockette (RE)*

I-91 Bridge Design-Build Brattleboro, VT. 06/13-04/14. Tech III. Office Engineer. This project included the complete design and replacement of Bridges 8N and 8S on Interstate 91 with single span superstructures on integral abutments as well as design and replacement of Bridges 9N and 9S with a continuous superstructure on new substructures. It also included reconstruction of the roadway approaches and the roadway in between the bridges. *Client: VAOT; Eric Foster (RE)*

Route 2 Reconstruction and Beautification Project, Danville, VT. 02/12-10/13. Tech III. Office Engineer/Inspector. This was a complete roadway reconstruction project which included subbase, pavement, drainage, waterlines, underground utilities, sidewalks, traffic signals, sidewalks, street lighting, artistic enhancements, landscaping, signs, and pavement markings. *Client: VAOT; Eric Foster (RE)*

Route 107 Reconstruction Project, Stockbridge, VT. 10/11-02/12. Tech II. Office Engineer. Oversaw an office crew responsible for payment and recordkeeping of a multi-million-dollar reconstruction project of roadway damaged by Tropical Storm Irene. *Client: VAOT*

Route 9 Reconstruction Project, Woodford/Bennington, VT. 09/11-10/11. Tech II. Office Engineer/Inspector. Oversaw an office crew responsible for payment and recordkeeping of a multi-million-dollar reconstruction project of five sites damaged by Tropical Storm Irene. *Client: VAOT*

Bennington Bypass, Route 279, Bennington, VT. 06/09-10/11. Admin Services Tech III. Office Engineer/Inspector. This project was a complete roadway construction project. *Client: VAOT; Ron Lemaire (RE)*

## Prior Firm Experience

State of Vermont Agency of Transportation Construction Division, Montpelier, VT and Mendon, VT. 07/07-06/09. Program Services Clerk/Administrative Services, Tech II. Clerical position maintaining filing system for Construction Division, answering phones, drafting letters, and proof-reading documents.

# Leon Oprendek

Technician III

**PROPOSED PROJECT ASSIGNMENT**: Inspector/Office Engineer

**EDUCATION:**

*Electrical Systems/2003/Shephard Air Force Base, Wichita Falls, TX (Civil Engineering Squadron, Electrical Systems Specialist)*
*Airman First Class Basic Training/2003/Lackland Air Force Base, San Antonio, TX*
*High School Diploma/2001/Fair Haven Union High School, Fair Haven, VT*
*A+ Certification/1999/Stafford Technical Center, Rutland, VT*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade I - 2023 (Anticipated)*
*IT Hardware/Software Servicing and Installation/Lifetime Certification*
*NETTCP HMA Paving Inspector-2021*
*Nuclear Density Gauge*
*OSHA 10*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *3*
**TOTAL YEARS EXPERIENCE:** *11*

## Professional Profile

Mr. Oprendek has been working for GPI since 2020 as a construction inspector on VAOT projects. He has also filled in as an Office Engineer.

His background also includes working in the Civil Engineering field as an electrical systems specialist for the US Air Force within both high and low voltage environments. He also has experience as a service manager for an electrical appliance business and as a mill wright and plant manager for a wood pellet manufacturing facility. He also brings to the table strong computer proficiencies in Microsoft Word, Excel, and PowerPoint applications and an A+ certification in computer services.

Mr. Oprendek has served as an Inspector on the following projects.

Inspector: As an Inspector, he was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

Chief Inspector. Responsible for the administration, engineering, and inspection of the project. As Chief Inspector, s/he was accountable for survey, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements, and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included. As Chief Inspector, s/he delegated duties to the Inspector(s) and the Office Engineer.

## Project Experience

Greenman-Pedersen, Inc. 06/20+.

Ludlow Village NH DECK(49), Windsor County, VT. 07/22-10/22. Chief Inspector. This project on VT Route 103 in the Town of Ludlow was for work on Bridge No. 26 over Jewell Brook. The project began at Mile Marker 2.221 and extended 0.026 miles to Mile Marker 2.247. Work performed for this project included deck and superstructure replacement, substructures re-sealed and cracks repaired, new beam seats to accommodate a new beam configuration, and related approach roadway and channel work. The rehabilitated bridge features 12' lanes, 10' shoulders, and sidewalks on both sides to match the existing typical section. New concrete/steel combination bridge rails were installed. During construction, the bridge was closed for approximately 21 days and traffic was maintained on an off-site detour. *Client: VAOT; Tim Pockette (RE)*

Weathersfield IM 091-1(69); Weathersfield, Windsor County, VT. 04/22-11/22. Inspector. This project on Interstate 91 at Exit 8 was for the rehabilitation of Bridges 30N and 30S. Work performed for this project included removal and replacement of the existing concrete bridge decks, repairs to the existing substructures, repainting of the steel superstructure members, construction of temporary crossovers, and other related roadway work. *Client: VAOT; Tim Pockette (RE)*

Brattleboro-Westminster IM SURF(69), Windham County, VT. 04/22-09/22. Inspector. This project on Interstate 91 (Northbound) began in the Town of Brattleboro at Mile Marker 11.941 and extended northerly 18.074 miles (95,430.72 ft) to Mile Marker 30.015 in the Town of Westminster. Work performed for this project included fine-milling, surface preparation involving patching, pothole repair, crack sealing, resurfacing with a thin bituminous concrete wearing surface, guardrail improvements, pavement markings, and other highway related items. *Client: VAOT; Tim Pockette (RE)*

Cavendish-Weathersfield ER STP 0146(14), Windsor County, VT. 04/21-12/21. Inspector. This project was in the Towns of Cavendish and Weathersfield on VT 131, from VT 103 to VT 106. Work under this contract included full depth reclamation with cement, installation of soil nails, road widening, installation of a precast concrete box culvert, removal and replacement of curb, new sidewalks, installation of underdrain systems and drainage structures, sanitary sewer work, paving, traffic signs, guardrail, and incidental work. *Client: VAOT; Seth Hisman (RCE)*

Fair Haven-Rutland Town NH SURF(64), Rutland County, VT. 05/21. Inspector. Mr. Oprendek worked a weekend as an inspector

on the installation of a new railroad crossing on this paving project. *Client: VAOT; Sheamus Fagan (RE)*

Statewide STP CRAK(39), Multiple Towns and Counties, Southern Region, VT. 06/20-10/20. Inspector. This project includes the routing and sealing of cracks in bituminous pavement on existing state, US, and interstate highways in the southern region, as well as the associated traffic control. *Client: VAOT; Mark Mackintosh (RE)*

Statewide STP CRAK(40), Multiple Towns and Counties, Northern Region, VT. 06/20-10/20. Inspector. This project includes the routing and sealing of cracks in bituminous pavement on existing state, US, and interstate highways in the northern region, as well as the associated traffic control. *Client: VAOT; Mark Mackintosh (RE)*

## Prior Firm Experience

Rutland Appliances, Rutland, VT. 2018-2020. Service Manager. Mr. Oprendek's responsibilities included the intake, processing, dispatch, and completion of external appliance service orders. He assists in the coordination of customer appliance deliveries and installations, organizing daily work assignments for employees, assisting sales staff with retail sales as necessary, and managing multiple metrics spreadsheets in cooperation with the owner and other managers.

Vermont Wood Pellet, North Clarendon, VT. 2012-2018. Mill Wright/Plant Manager. Mr. Oprendek used existing maintenance guidelines and implemented new guidelines to keep equipment in sound working order. He worked with VOSHA to ensure employee safety and to keep the facility in a safe, compliant state. He worked with the Agency of Natural Resources in installing monitoring hardware to aid in the company's continuing compliance to Air Quality and Wastewater requirements. He also cooperated with a State airport and the FAA to enable the installation of new and upgraded equipment. He coordinated the installation, programming, and maintenance of robotic and automated systems, installed and maintained 3 phase, 480v motors and various drives and controls, oversaw the operation of the log yard, including operating heavy equipment (Front Loader, Excavator, Rotary De-Barker, and stationary Woodchipper), as well as maintaining the equipment. He also planned out the weekly work schedule for all shifts and managed staffing requirements for the facility. He had advanced knowledge of all facility systems and the ability to work any position in the facility.

# Craig P. Plumb

Technician V

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector

**EDUCATION:**

*2005/Vermont Local Roads Management Academy, Williston, VT*
*AS/1989-1991/Civil Engineering Technology/Vermont Technical College*
*AS/1987/Small Business Management/Dean Junior College, Franklin, MA*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade 1 - 2020*
*NETTCP Concrete Inspector–2021*
*NETTCP Drilled Shaft Inspector – 2023*
*NETTCP Driven Pile Inspector-2021*
*NETTCP HMA Paving Inspector – 2020*
*NETTCP Soils & Aggregate Inspector - 2017*
*NHI Bridge Inspection Course*
*Nuclear Gauge and Radiation Safety*
*OSHA 10-Hour*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *9*
**TOTAL YEARS EXPERIENCE:** *32*

**PROFESSIONAL AFFILIATIONS:**

*American Public Works Association*
*American Traffic Safety Services Association*
*APWA member and NEAPWA Executive Board of Directors*
*VMHA member and board member*
*Vermont Work Zone Advisory Council member*
*ATSA Certified Traffic Control/Safety Trainer*
*Former President and Current Member of Creek Farm Homeowners Association*

## Professional Profile

Mr. Plumb began his career with VTrans and currently has many years of experience in the engineering/construction industry. Projects have ranged from a few thousand dollars to multi-million-dollar projects. He has provided all forms of project support, from being a laborer on a bridge project to project/construction management. Responsibilities have included design, estimating, budget management and labor, contract management and construction inspection. He is proficient in Microsoft Office suite, AutoCAD, Micro Paver, Arc View, Manager Plus, Microsoft Project, Bluebeam Revu, and Adobe.

Mr. Plumb served as a Resident Engineer, Chief Inspector, Office Engineer, or Inspector on the projects listed below.

Resident Engineer: As a Resident Engineer he was responsible for the administration and inspection of the project including ensuring the project was constructed according to the contract documents and that all materials were in conformance with the specifications. Duties included ensuring that all work was accomplished in accordance with all safety and environmental regulations. He served as the single point of contact for all project matters during construction.

Chief Inspector: As a Chief Inspector, he was responsible for the administration, engineering, and inspection of the project. Duties included survey including initial project control, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities; monitoring field operations, verifying field measurements, coordinating sampling, traffic control, safety issues, public meetings, and general communication and documentation duties. As Chief Inspector, he also delegated duties to the inspector(s) and the Office Engineer.

Office Engineer: As an Office Engineer, he was responsible for the administrative work for the projects which included, but was not limited to, project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications, sampling, and test results, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights issues.

Inspector: As an Inspector, he was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 04/14+.

South Burlington STP MM19(10), Chittenden County, VT. 10/22-06/23. Resident Engineer. This project is on Lindenwood Drive in the City of South Burlington. Work to be performed includes the creation of a new stormwater detention pond adjacent to the existing recreation path, construction of a new stormwater collection system along Lindenwood Drive, tying in the existing Brewer Parkway stormwater collection system into the new detention pond, and reconstruction of Lindenwood Drive to improve drainage. *Client: City of South Burlington, VT; Contact: Christine Gingras, 802.658.7961, cgingras@sbrul.com*

Williston STP M 5500(7)S, Chittenden County, VT. 06/22-10/23. Chief Inspector. GPI provided construction inspection services for this project. This project began on U.S. 2 approximately 0.017 miles east of the South Burlington-Williston Town Line and extends east 0.289 miles. Work on this project includes highway reconstruction, realignment and widening of U.S. 2 and Industrial Avenue including grading, drainage, subbase, pavement, utilities, and other highway related items. *Client: VAOT; Josh Hulett (RE)*

Richmond-Bolton STP 2924(1), Chittenden County, VT. 06/22-06/24. Inspector. This project on US Route 2 began at Richmond Mile Marker 0.000 and extended easterly a distance of 8.261 miles to Bolton Mile Marker 1.866. Work performed for this project included coarse-milling bituminous pavement, concrete subsurface slab removal, subbase, base course, intermediate course, and wearing course of pavement, correcting superelevation deficiencies, pavement markings, guardrail improvements, drainage improvements, culvert replacements, signs, traffic signal improvements, and other related highway items. *Client: VAOT; Josh Hulett (RE)*

Burlington VTRY(51), Chittenden County, VT. 01/22-07/22. Chief Inspector. This project on Vermont Rail System VTR Route in the City of Burlington began at VTR Mile Post 121.32 and extended through the railyard a distance of 2276.71 ft to VTR Mile Post 121.79. Work performed for this project included removal and replacement or realignment of all tracks west of the mainline track, including partial realignment of the mainline track, installation of a concrete jacking pad with direct fixation of the rails, removal and replacement of the railyard electrical overhead and underground electrical services and associated work. *Client: VAOT; Contact: Ryan Sengebush (RE)*

South Burlington STP MM18(3), Chittenden County, VT. 07/21-04/22. Resident Engineer. This project was for the reconstruction of the bridge over Muddy Brook at the town line where Kimball Avenue in the City of South Burlington transitions to Marshall Avenue in the Town of Williston. Work to be performed included replacement of a temporary bridge with a buried culvert structure, new pavement, new subbase, utilities, guardrail, signs, pavement markings, and a shared use path. *Client: City of South Burlington, VT; Contact: Tom Dipietro, 802.658.7961, tdipietro@sbrul.com*

Hartford STP 0113(59) and Hartford STP EH09(15), Hartford, Windsor County, VT. 09/20-11/21. Chief Inspector. This project is located in the Town of Hartford on Sykes Mountain Avenue from the intersection of US 5 to the intersection with Lilly Pond Road. Work under this contract includes the construction of two roundabouts and approaches, removal and replacement of curb, new sidewalks, new drainage, traffic signs, pavement markings, and incidental items. *Client: Town of Hartford, VT*

Stowe Village Sidewalks/Main Street Utility Relocations, Stowe, Lamoille County, VT. 06/20-08/20. Resident Engineer. This project was located in the Village of Stowe on Main Street. Work under this contract included the construction of sidewalks, curbing, and the relocation of utilities. *Client: Town of Stowe, VT*

South Burlington STP 5200(17) Market Street. 05/18-12/20. Resident Engineer. GPI is providing construction inspection services for this project, which includes new pavement, new subbase, new sewer and water lines, drainage modifications, new stormwater treatment ponds, sidewalks, curbing, pavement markings, lighting, landscaping, traffic signal modifications, and other related items on new horizontal and vertical geometry. As resident engineer Mr. Plumb is responsible for the administration and inspection throughout construction of the project. As Resident Engineer, he ensured the project was constructed according to the contract documents and that all materials were in conformance with the specifications. All work must be accomplished in accordance with all safety and environmental regulations. He served as the single point of contact for all project matters during construction. *Client: City of South Burlington, VT; Contact: Justin Rabidoux, Public Works Director, 802.658.7961, jrabidoux@sbrul.com*

Samsondale Bridge Project, Haverstraw, NY. 04/18-05/18. Inspector.

South Burlington-Williston NH 2944(1), South Burlington, VT. 05/17-01/18. Chief Inspector. Scope of this project included cold planing, concrete pavement removal, base course, intermediate courses and wearing course, correcting superelevation deficiencies, new pavement markings, guardrail, signs and other highway related items. Williston NH 2949 (1) included cold planing and resurfacing of the existing highway with an intermediate course, wearing course, new pavement markings, guardrail, signs and other highway related items. *Client: VAOT; Contact: Josh Hulett (RE)*

Middlebury-Ferrisburgh NH SURF (55). 05/16-04/17. Inspector. The scope of work included surface preparation of about 18 miles of highway involving patching, pothole repair, crack sealing, micro-milling, overlaying with a thin bituminous surface treatment, two new dilemma zone detection systems, rail crossing reconstruction, and other related highway items. *Client: VAOT*

Addison STP 032-1(18), Addison, VT. 01/16-11/16 (intermittently). Inspector. The Addison STP 032-1(18) project location started at the beginning approximately 1,630 ft east of the Vermont/New York State line and extending easterly for a distance of 825 ft. Project Scope included the resurfacing of VT 125 starting at STA V 11+50.00 and extending northerly for a distance of 234 ft to STA V. The work performed under this project included cold planing and overlaying with a leveling course and a wearing course, with pavement markings, signs, drainage improvements and incidental items. This project also included the removal of the Ferry Access Road, construction of a new boat launch, construction of two gravel parking lots, walking paths, reshaping the chimney point driveway, and incidental items. *Client: VAOT*

Waitsfield-Moretown STP SURF (39). 07/14-10/15. Inspector. This project spanned from the beginning on VT Route 100 in the Town of Waitsfield approximately 12 miles to the intersection of US Route 2 in Moretown. Project scope included surface preparation involving patching, pothole repair and crack sealing; cold planing, and overlaying with a thin bituminous surface treatment on the existing typical, and other highway related items. *Client: VAOT*

Materials Acceptance Unit, Construction and Materials Bureau, Berlin, VT. Materials Liaison. 12/16-04/17. Mr. Plumb worked with Resident Engineers and the Materials Acceptance Unit to enter materials into Site Manager, set-up project certification and testing

requirements, write and review Material Memos, correspond with Resident Engineers, and closed out past projects. *Client: VAOT; Brigitte Codling, CMS Business Manager*

Middlebury-Ferrisburgh NH SURF (55), Ferrisburgh NHG SGNL(42), and Bristol STP F 021-1(15). 05/16-12/16. Chief Inspector/Inspector. Work on Middlebury-Ferrisburgh included surface preparation of about 18 miles of highway involving patching, pot-hole repair, crack sealing, micro-milling, overlaying with a thin bituminous surface treatment, two new dilemma zone detection systems, rail crossing reconstruction, and other related highway items. Ferrisburgh was a signal project on US 7. Bristol involved removing and replacing the anchor bolts on a bridge. *Client: VAOT*

Statewide IMG MARK(115) & Colchester STP 5600(12). 2015. Office Engineer. The MARK project consisted of a statewide pavement marking project on the interstate system. The Colchester project was the replacement of Bridge 12 on TH 27.

Richmond CMG PARK, Richmond STP 0284(17), Waitsfield-Moretown STP SURF(39), Richmond-Colchester IM SURF(38), and Swanton-Sheldon STP 2715(1). 04/14-12/14. Inspector. Richmond PARK was the reconstruction of a Park & Ride facility on US 2 near Exit 11 of I-89. Richmond STP was a widening and signal improvement project on US 2. Waitsfield-Moretown was a 12-mile paving project on VT 100. Richmond-Colchester was a paving project on I-89. Swanton-Sheldon was a paving project on VT 78.

## Prior Firm Experience

Jackson Demolition Services, Schenectady, NY/Waterbury, VT. 11/13-04/14. Project Manager/Site Engineer/Site Manager. As the PM/SE/SM his role was all encompassing. He reported directly to the Engineering Manager for JDS and was responsible for all phases of the project. He was responsible for permit compliance, such as stormwater, schedule and budget maintenance, helping with pay requisitions and any other component of the project that needed to be addressed to meet the requirements of the specifications and contract for the project. He also managed the daily reporting requirements which included material reporting and tracking for all materials leaving the site, including waste stream and recoverable materials.

Milton Public Works, Milton, VT. 2011-09/13. Director of Public Works/Town Engineer. He was responsible for the overall management of the Town's Highway, Building & Grounds, Water and Wastewater Divisions that make up the Public Works Department. Management of these divisions included but was not limited to overseeing budget, personnel, infrastructure maintenance and improvements, winter maintenance operations, stormwater management and fleet services. As the Town's Engineer, he reviewed and provided comment for proposed developments and administered the Highway access permit process for the Town. He also had an active role in the project development process for the Town that included larger infrastructure improvements such as the Village Core Sewer Upgrade project, which included the installation of over 10,000-LF of gravity and forced sewer main, a new pump station, and close to 1,000-LF of water main improvements within the town's village core. He also represented the Town at local, regional and state meetings.

South Burlington Public Works, South Burlington, VT. 2000-2011. Director of Operations/Deputy Director of Public Works. The Deputy Director is the #2 position within Public Works, reporting directly to the Director of Public Works and acting as the Director in their absence. As such, he was responsible for the day-to-day operations of the Highway, Parks & Recreation, Fleet and Equipment Maintenance Divisions, and oversaw the wastewater, water and stormwater divisions as required. This included budget, project and job scheduling, employee management, safety, training and contractor management. He represented the City of South Burlington at various State and local meetings as requested and required. He also participated in plan reviews of proposed projects and developments. His role also encompassed project management, including running project meetings, and performing ongoing project evaluation, project cost estimates and analysis.

VT Agency of Transportation, Montpelier, VT. 1998-2000. Transportation Tech III/IV. He worked for the Technical Services Division through the traffic counter department. His primary responsibility was to run the Weigh-In-Motion (WIM) program, while assisting with the regular traffic counter programs. He was responsible for all phases of the WIM program from planning and budgeting to installation and maintenance.

Green Mountain Engineering, Williston, VT. 1994-1997. Civil Engineering Technician. He worked on preliminary engineering and design, final design, inspection, and project management for various water and wastewater projects for both public and private clientele.

VT Agency of Transportation, Montpelier, VT. 1990-1993. Engineering Technician, Construction Division. While with VTrans, he worked on several projects providing inspection, engineering, and project management support.

# Kerri L. Polli

Civil Engineer II

**PROPOSED PROJECT ASSIGNMENT**: Office Engineer

**EDUCATION:**
*BS in Civil Engineering – University of Vermont - 1994*

**REGISTRATIONS/CERTIFICATIONS:**
*ACI Concrete Field-Testing Technician, Grade I – 2021*
*Nuclear Density Gauge Certification*
*OSHA 10*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *3*
**TOTAL YEARS EXPERIENCE:** *5+*

## Professional Profile

Ms. Polli worked for 2-1/2 years as a civil engineer for the Construction Division of the Vermont Agency of Transportation. In 2001, Ms. Polli left VTrans to become a stay-at-home mom. She returned to the workforce with GPI in 2020. When she worked for VTrans she received certifications in ACI, NETTCP, and Nuclear Density Gauge. Ms. Polli has now renewed her ACI certification. She has excellent communication, organization, and time management skills and is proficient in Microsoft Word and Excel.

Ms. Polli served in the capacity of providing the traditional Office Engineer duties combined with the duties of the Administrative Services Tech and the Regional Technician. In addition to the duties of an Office Engineer listed below, Ms. Polli created a workflow as new contracts became active. She oversaw the administrative and documentation of work performed on the contracts. She was also tasked with developing and processing the bi-weekly estimates for payment.

Office Engineer: As Office Engineer Ms. Poll is responsible for the administrative work for a contract. She is responsible for project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications and sampling, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights payroll issues.

## Project Experience

Greenman-Pedersen, Inc. 04/20+.

Statewide Southern Region STP CRAK(44), Multiple Towns & Counties, Southern Region, VT. 08/22-10/22. Office Engineer. This cracking sealing project included work on various State, US, and Interstate Highways within the Southern Region of the state. Work performed for this project included the routing and sealing of cracks in bituminous concrete pavement on existing State, US, and Interstate Highways and the appropriate traffic control. *Client: VAOT; Demetrio Gagnon (RE)*

Statewide Northern Region STP CRAK(43), Multiple Towns & Counties, Northern Region, VT. 07/11-10/22. Office Engineer. This cracking sealing project included work on various State, US, and Interstate Highways within the Northern Region of the state. Work performed for this project included the routing and sealing of cracks in bituminous concrete pavement on existing State, US, and Interstate Highways and the appropriate traffic control. *Client: VAOT; Demetrio Gagnon (RE)*

Statewide Southern Region STPG MARK(319), Multiple Towns & Counties, Southern Region, VT. 04/22-10/22. Office Engineer. This line striping project included State roads and Class 1 and Class 2 town highways within the Southern Region (District #1, District #2, and District #3). Work performed for this project included application of center line, edge line, lane line, and green pavement markings on National Highway and State system roads. Also, this project included application of center line markings on Class 1 and Class 2 town highways. *Client: VAOT; Demetrio Gagnon (RE)*

Statewide Northwest Region STPG MARK(318), Multiple Towns & Counties, Northwest Region, VT. 04/22-10/22. Office Engineer. This line striping project included State roads and Class 1 and Class 2 town highways within the Northwest Region (District #5, District #6, and District #8). Work performed for this project included application of center line, edge line, lane line, and green pavement marking on National Highway and State system roads. Also, this project included application of center line markings on Class 1 and Class 2 town highways. *Client: VAOT; Demetrio Gagnon (RE)*

Statewide Northeast Region STPG MARK(317), Multiple Towns & Counties, Northeast Region, VT. 04/22-10/22. Office Engineer. This line striping project included State roads and Class 1 and Class 2 town highways within the Northeast Region (District #4, District #6, District #7, and District #9). Work performed for this project included application of center line, edge line, lane line, and green pavement markings on National Highway and State system roads. Also, this project included application of center line markings on Class 1 and Class 2 town highways. *Client: VAOT; Demetrio Gagnon (RE)*

Statewide IMG MARK(119), Multiple Towns & Counties Statewide, VT. 06/22-08/22. Office Engineer. This line striping project included all of Interstate 89, 91, 93, and 189, as well as US 4 from MM 0.000 to 18.829. Work performed for this project included new pavement markings including edge lines, lane lines, dashed and dotted acceleration lanes, ramp edge lines, stop bars, letters, symbols, crosswalks, and other highway related items. *Client: VAOT; Demetrio Gagnon (RE)*

Statewide STP CRAK(41), Multiple Towns & Counties, Northern Region, VT. 08/21-12/21. Office Engineer. This project includes the routing and sealing of cracks in bituminous pavement on existing state, US, and interstate highways in the southern region, as well as the associated traffic control. *Client: VAOT; Mark Mackintosh (RE)*

Statewide STP CRAK(42), Multiple Towns & Counties, Southern Region, VT. 08/21-12/21. Office Engineer. This project includes the routing and sealing of cracks in bituminous pavement on existing state, US, and interstate highways in the northern region, as well as the associated traffic control. *Client: VAOT; Mark Mackintosh (RE)*

Statewide IMG MARK(118), Multiple Towns & Counties, VT. 07/21-12/21. Office Engineer. This was a line striping project that included all of Interstates 89, 91, 93, and 189 and US 4 from MM 0.00 to 18.82. Work performed under this project included pavement markings including edge lines, lane lines, dashed and dotted acceleration lines, stop bars, letters, symbols, crosswalks, and other highway related items*. Client: VAOT; Mark Mackintosh (RE)*

Statewide-South STPG MARK(316), Multiple Towns & Counties, VT. 05/20-10/21. Office Engineer. This line striping project included all of the national highway and state system roads, and Class 1 and 2 town highways within the South Region (Districts 1, 2, and 3). Work performed under this project included the application of center line, edge line, and lane line pavement markings. *Client: VAOT; Mark Mackintosh (RE)*

Statewide-NE STPG MARK(314), Multiple Towns & Counties, VT. 05/20-10/21. Office Engineer. This line striping contract included all of the national highway and state system roads, and Class 1 and 2 town highways within the Northeast Region (Districts 4, 7, and 9). Work performed under this project included the application of center line, edge line, and green pavement markings. *Client: VAOT; Mark Mackintosh (RE)*

Statewide-NW STPG MARK(315), Multiple Towns & Counties, VT. 05/20-10/21. Office Engineer. This line striping contract included all of the national highway and state system roads, and Class 1 and 2 town highways within the Northwest Region (Districts 5 and 8). Work performed under this project included the application of center line, edge line, and green pavement markings. *Client: VAOT; Mark Mackintosh (RE)*

Statewide STP CRAK(39), Multiple Towns & Counties, Southern Region, VT. 07/20-11/20. Office Engineer. This project included the routing and sealing of cracks in bituminous pavement on existing state, US, and interstate highways in the southern region, as well as the associated traffic control. *Client: VAOT; Mark Mackintosh (RE)*

Statewide STP CRAK(40), Multiple Towns & Counties, Northern Region, VT. 06/20-11/20. Office Engineer. This project included the routing and sealing of cracks in bituminous pavement on existing state, US, and interstate highways in the northern region, as well as the associated traffic control. *Client: VAOT; Mark Mackintosh (RE)*

Statewide IMG SIGN(61), Multiple Towns & Counties, VT. 05/20-08/20. Office Engineer. This sign project included all of the Interstate system, 89, 91, and 93, plus the limited access sections of US 4 and US 7. Work performed under this project included the installation of new exit signs. As required by the Federal Highway Administration (FHWA), the Vermont Agency of Transportation added mile marker information below interchange guide signs on Vermont interstates and limited access highways. *Client: VAOT; Mark Mackintosh (RE)*

## Previous Experience

Vermont Agency of Transportation, Construction Division. 06/99-11/01. Civil Engineer B. Ms. Polli was the Resident Engineer for the Weybridge Bridge project and was an inspector on other paving, rail, airport, and bridge projects.

# Cynthia Porter

Technician IV

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector

**EDUCATION:**
*HS Diploma*

**REGISTRATIONS/CERTIFICATIONS:**
*NETTCP HMA Paving Inspector – 2022*
*OSHA 10*
*TROXLER Nuclear Density Gauge Certified*
*VOSHA COVID-19 Workplace Safety Training*

**YEARS WITH FIRM:** *4*

**TOTAL YEARS EXPERIENCE:** *24*

## Professional Profile

Ms. Porter has many years of experience with paving, guardrail and fence installation on Vermont Agency of Transportation (VTrans) projects including the inspection and documentation of those activities.

Ms. Porter served as a Chief Inspector or Inspector on the projects listed below.

Chief Inspector: As Chief Inspector, Ms. Porter is responsible for the administration, engineering, and inspection of the project. She is accountable for surveys, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties include monitoring field operations, verifying field measurements and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties are also included. As Chief Inspector, she delegates duties to the Inspector(s) and the Office Engineer.

Inspector: As an Inspector, Ms. Porter was responsible for providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. She was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. She was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 04/19+.

Burlington NH PC22(1) & Winooski NH PC22(2), Chittenden County, VT. 05/22-10/23. Chief Inspector. Burlington NH PC22(1) – This project on US Route 7 in the City of Burlington began just north of the US 7 (Shelburne Road) and I-189 Off Ramp at the concrete/asphalt interface at Mile Marker 0.000 and extended northerly along US 7 (Shelburne Road, South Willard Street, North Willard Street, Hyde Street, and Riverside Avenue) to the Burlington/Winooski Town Line at Mile Marker 4.183. There was also a section of the project on US 7 Alternate beginning at the US 7 (South Willard Street)/US 7 Alternate (Shelburne Road) Intersection at Mile Marker 0.168 and extended northerly along US 7 Alternate (Shelburne Road, St. Paul Street, South Winooski Avenue, and North Winooski Avenue) to its intersection with Riverside Avenue and US 7 (Hyde Street/Riverside Avenue) at Mile Marker 2.038. There was also another section of the project on US Route 2 (Main Street) at its intersection with US 7 (South Willard Street) at Mile Marker 0.000 and extended easterly along US 2 (Main Street) to the Burlington/South Burlington Town Line at Mile Marker 0.840. Work performed for this project included coarse-milling and resurfacing of the existing highway with a leveling course, wearing course, new pavement markings, signs, and other highway related items. Winooski NH PC22(2) – This project on US Route 7 in the City of Winooski began at US 7/US 2 (Colchester Avenue), the Winooski/Burlington Town Line, at Mile Marker 0.000 and extended northerly along US 7/US 2 (Main Street) to the Winooski/Colchester Town Line at Mile Marker 0.262. There was another section of this project on VT 15 (West Allen Street) that began at Mile Marker 1.893 and extended easterly to Mile Marker 1.925, the Winooski/Colchester Town Line at the Class 1 Town Highway limit. Work performed for this project included concrete roadway slab removal, curb, and sidewalk restoration, coarse-milling and resurfacing of the existing highway with a leveling course, wearing course, new pavement markings, signs, and other highway related items. *Client: VAOT; Darren Connolly (RE)*

Burlington HES 5000(18), City of Burlington, Chittenden County, VT. 05/22-10/22. Inspector. This project is located at the intersection of US 7 and Alternate US 7 starts at US 7 Mile Marker 1.085 and ends at Mile Marker 1.275 and Alternate US 7 Mile Marker 0.100. Work to be performed under this project includes construction of a new roundabout, minor realignment of the approaches, new landscaping, pedestrian and bicycle facilities, street lighting, and drainage. *Client: VAOT; Josh Hulett (RE)*

Richmond-Bolton STP 2924(1), Chittenden County, VT. 06/22-10/22. Inspector. This project on US Route 2 began at Richmond Mile Marker 0.000 and extended easterly a distance of 8.261 miles to Bolton Mile Marker 1.866. Work performed for this project included coarse-milling bituminous pavement, concrete subsurface slab removal, subbase, base course, intermediate course, and wearing course of pavement, correcting superelevation deficiencies, pavement markings, guardrail improvements, drainage improvements, culvert replacements, signs, traffic signal improvements, and other related highway items. *Client: VAOT; Josh Hulett (RE)*

Williston STP SCRP(17), Chittenden County, VT. 05/22-07/22. Inspector. This project on VT Route 2A in the Town of Williston began at Mile Marker 3.938 and extended northerly for 0.009 miles (45.00 ft) to Mile Marker 3.946. Work performed for this project included

replacement of the existing culvert with a new 42" culvert, headwalls, channel stabilization, concrete sidewalk replacement, and other roadway related items. *Client: VAOT; Kara Yelinek (RE)*

Essex NH 033-1(26) and Essex-Colchester STP 0207(4), Chittenden County, VT. 06/22-10/22. Inspector. Essex NH 033-1(26) – This project in the Town of Essex began at the intersection of VT Route 289 and VT Route 2A at Mile Marker 7.721 and extended easterly along VT Route 289 including all ramps for a distance of 4.133 miles to Mile Marker 11.854, the intersection of VT Route 289 and VT Route 117. Also, this project included on VT Route 2A in the Town of Essex beginning at the intersection of VT Route 289, On Ramp A at Mile Marker 2.485 and extended northerly along VT Route 2A for a distance of 0.225 miles to the intersection of VT Route 289, Off Ramp D at Mile Marker 2.710. Work performed for this project included coarse-milling, resurfacing existing highway with bituminous concrete leveling course and a wearing course, guardrail improvements, pavement markings, and other highway related items. Work includes mainline improvements as well as ramps at Exit 7, 9, 10, and 12. Essex-Colchester STP 0207(4) – This project on VT Route 2A in the Town of Essex began at the Class 1 limits at Mile Marker 1.093 and extended northerly a distance of 1.392 miles to the intersection of VT Route 289, On Ramp A at Mile Marker 2.485. The project resumed in the Town of Essex at the Intersection of VT Route 289, Off Ramp D at Mile Marker 2.710 and extended northerly along VT Route 2A for a distance of 3.195 miles to the Intersection of US Route 7 in the Town of Colchester at Mile Marker 2.405. The project resumed in the Town of Colchester at the intersection of VT Route 127 and US Route 7 at Mile Marker 0.000 and extended westerly for a distance of 0.116 miles to the intersection of VT Route 127 and VT Route 2A at Mile Marker 0.118. Work performed for this project included coarse-milling, resurfacing existing highway with a bituminous concrete leveling course and a wearing course, guardrail improvements, pavement markings, and other highway related items. *Client: VAOT; Kara Yelinek (RE)*

Shelburne-South Burlington NHG SGNL(51) C/2, Chittenden County, VT. 04/21-11/21. Inspector. This project on US 7 began at South Burlington Mile Marker 0.526, the Green Mountain Drive intersection, and extended northerly 1.212 miles to South Burlington Mile Marker 1.738, the Swift Street intersection. Work performed for this project included replacement of existing traffic signal systems at the intersections of US 7 and Green Mountain Drive, McIntosh Avenue, Baldwin Avenue, Laurel Hill Drive, Brewer Parkway, Queen City Park Road, and Swift Street. Replacement included replacement of existing traffic signal span wires with mast arm poles, installation of new traffic signal heads, traffic signal cabinets and controllers, preemption systems, stop bar and advanced vehicle detection, pedestrian signal equipment, luminaires, bracket arms, signs, and other related traffic signal equipment. *Client: VAOT; Josh Hulett (RE)*

Burlington NH PC21(1), Burlington-S Burlington IM 189-3(77), & Winooski NH PC21(2), Chittenden County, VT. 05/21-10/21. Inspector. Burlington NH PC21(1) – This project began in the City of Burlington on US 7 at Mile Marker 0.093 and extended northerly to Mile Marker 0.217 (0.124 miles). Work to be performed under this project included partial depth joint repairs and diamond grinding of the existing Portland cement pavement. It also included new pavement markings and other highway related items. Burlington-South Burlington IM 189-3(77) – This project began in the City of South Burlington on the Interstate 189 off ramp at Mile Marker 0.760 and extended westerly to Mile Marker 0.810 (0.050 miles). Work to be performed under this project included partial depth joint repairs and diamond grinding of the existing Portland cement pavement. It also included new pavement markings and other highway related items. Winooski NH PC21(2) – This project began in the City of Winooski on US 7 at Mile Marker 0.043 and extended northerly to Mile Marker 0.151 (0.108 miles). Work performed under this project included partial depth joint repairs and diamond grinding of the existing Portland cement pavement. It also included new pavement markings and other highway related items. *Client: VAOT; Darren Connolly (RE)*

Hinesburg HES 021-1(19), Chittenden County, VT. 10/20-12/20. Inspector. Project scope included improvements to intersection of VT 116, TH 1, and TH 7 by widening the road to add left-turn lanes. The project began at VT 116 MM 5.324 and extended northerly 0.275 mile to MM 5.600. Work performed under this project included full depth widening of VT 116, Shelburne Falls Road, and CVU Road, with new pavement, subbase, drainage, guardrail, four precast concrete box culverts, traffic signals, and other related highway items. *Client: VAOT; Chris Lavalette (RE)*

Vergennes STP PC20(1)/Bristol STP PC20(2), Addison County, VT. 05/20-10/20. Inspector. The Vergennes project began on VT 22A at MM 0.000 and continued north to MM 2.189. Another section was on the Ferrisburgh State Highway and started at the VT 22A intersection and went to MM 0.666. Work to be performed on this project included coarse milling, resurfacing with leveling and wearing courses, signal system improvements, pedestrian safety improvements. Work performed on this project included coarse milling, resurfacing with leveling and wearing courses, signal system improvements, pedestrian safety improvements, guardrail, pavement markings, other related highway items. The Bristol project began on VT 116 at MM 6.006 and continued northerly 1.230 miles to MM 7.236. Work to be performed under this project included coarse-milling, resurfacing with leveling and wearing courses, guardrail, drainage, removal and resetting of curbing, removal and replacement of sidewalks, imprinted sidewalk, paver bands and light poles, ornamental pedestrian street lights, and other highway related items. *Client: VAOT; Chris Lavalette (RE)*

Waterbury-Richmond IM SURF(58), Washington & Chittenden Counties, VT. 04/19-12/19. Chief Inspector. The scope of work included surface preparation involving patching, pothole repair, crack sealing, and micro-milling, and then inlaying a wearing course on 31.6 miles of Interstate 89. The project also included pavement markings and guardrail rehabilitation. *Client: VAOT; Josh Hulett (RE)*

Essex-Underhill STP PS19(6), Chittenden County, VT. 09/19-10/19. Inspector. Project scope included milling and resurfacing with a leveling and wearing course, pavement markings, guardrail improvements, and other highway related items on 13 miles of VT 15. *Client:*

*VAOT; Josh Hulett (RE)*

Statewide STP CRAK(36), Multiple Towns, Multiple Counties, VT. 04/19-06/19. Inspector. Work performed under this project included routing and sealing of cracks in bituminous concrete pavement on State, US, and Interstate highways and the appropriate traffic control. *Client: VAOT; Elise Coolbeth (RE)*

## Prior Firm Experience

Boswell Engineering, 2010-2018. Ms. Porter served as an inspector on the following projects. As an Inspector, she was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. She was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

Waterbury-Stowe STP 2945(1) & Stowe STP STSW(1). 2018. Tech IV, Inspector. This is a reclaim project on VT 100 including cold planing, concrete pavement removal, paving of base and wearing courses, correction of superelevation deficiencies, guardrail, drainage, pavement markings, drilling and blasting, sidewalk, curb, road realignment, bike path, and signs. *Client: VAOT; Bob Suckert (RE)*

Ferrisburgh-Middlebury NH SURF (55). Tech IV, Inspector. This project on US 7 included surface preparation involving patching, pothole repair, and crack sealing, micro milling and overlaying with a thin bituminous surface treatment on existing typical, rail crossing improvement/reconstruction and other related items. *Client: VAOT*

Statewide IMG MARK(116). Tech IV, Inspector. This project on the interstate system included new pavement markings including edge lines, lane lines, dashed and dotted acceleration lines, ramp edge lines, stop bars, letters, symbols, and crosswalks. *Client: VAOT*

Ferrisburgh NGH SGNL(42). Tech IV, Inspector. This project on US 7 included a traffic signal, signing, and other related items. *Client: VAOT*

Essex NH 2956(2). Tech IV, Inspector. This project on VT 15 and VT 117 included cold planing and overlaying with leveling and wearing courses, new pavement markings, drainage improvements, vehicle stop bar detection systems, pedestrian equipment upgrades, grade crossing reconstruction, and other highway related items. *Client: VAOT*

Essex STP 2956(1). Tech IV, Inspector. This project on VT 2A and VT 15 included cold planing and overlay with leveling and wearing courses, new pavement markings, signs, drainage improvements, and other related items. *Client: VAOT*

Williston NH 2949 (1). Tech IV, Inspector. This project on VT 2A included cold planing, resurfacing of the existing highway with intermediate and wearing courses, new pavement markings, guardrail, and other related items. *Client: VAOT*

South Burlington- Williston NH 2944(1). Tech IV, Inspector. This project on US 2 included cold planing, concrete pavement removal, base, intermediate, and wearing courses, correcting superelevation deficiencies, new pavement markings, guardrail, signs, and other highway related items. *Client: VAOT*

US 2, VT 2A, & VT 15 STPG-SGNL(46). Tech IV, Inspector. This project included installation of traffic signal control and associated signal upgrades at 18 intersections on US 2 and VT 2A in Williston and on VT 15 in Essex. *Client: VAOT*

Swanton-Sheldon STP 2715 (1). Tech IV, Inspector. This project included cold planing and resurfacing of existing highway with leveling and wearing courses, new pavement markings, guardrail, signs, shoulder widening, and other related items. *Client: VAOT*

Enosburg-Richford STP 2939(1). Tech IV, Inspector. This project included surface preparation, widening roadway, patching potholes, cold planing, rail crossing, overlaying of hot mix and other related highway improvements. *Client: VAOT*

Essex Junction VT 128. Tech III, Inspector. Work performed under this project included cold planing, reclaiming, improving drainage, guardrail improvements, resurfacing with base, leveling, and wearing courses and other improvements. *Client: VAOT*

Cambridge-Bakersfield. Tech III, Inspector. Work performed under this project included reclamation, superelevation, cold mix application, drainage, guardrail improvements, leveling and wearing courses, new pavement markings and other related highway improvements. *Client: VAOT*

Pike Industries, 2004-2009, Berlin, VT. Quality Control Technician, Berlin, Vermont. 2006-2009. Ms. Porter's responsibilities included all aspects of quality control required for paving operations, including testing materials and monitoring HMA pavement quality. She was also responsible for productivity, safety, and providing samples to analyze for mix adjustment in order to meet specifications.

Traffic Coordinator, Berlin, Vermont. 2004-2006. Ms. Porter was responsible for daily traffic flow to provide for site safety, maintaining proper signage for state and local construction sites, and supervising flagger placements and staffing.

F.R. Lafayette, 1999-2004, Essex Junction, VT. Essex Junction, VT. Foreman. Ms. Porter supervised a work crew of six men and equipment and was responsible for the installation, removal, and repair of guard rail in accordance with state specifications. She was also a pounder operator for guardrail installations and holds a Class A CDA License (current).

Essex Junction, VT. Highway Construction. Ms. Porter was responsible for all aspects of fencing/guardrail construction, such as animal fencing, prison fencing, airport boundaries, etc.

# Robert Rossi
Technician III

**PROPOSED PROJECT ASSIGNMENT**: Inspector/Chief Inspector

**EDUCATION:**
*High School Diploma/Torrington High School/1972*

**YEARS WITH FIRM:** *3*
**TOTAL YEARS EXPERIENCE:** *43+*

## Professional Profile

Mr. Rossi has extensive experience in construction, manufacturing, and sales. Prior to focusing on construction inspection in the commercial construction and public infrastructure arenas, Mr. Rossi owned a general contracting business that offered renovations and new building construction in both the residential and commercial markets. Early on in his career, Mr. Rossi worked for a large heavy/highway construction contractor that constructed multi-million-dollar interstate highway projects. Mr. Rossi also managed a manufacturing facility, where he was responsible for production and the supervision of over 80 workers.

Mr. Rossi prides himself on bringing a positive attitude and good work ethic onto the project site and strives for efficiency and safety to accomplish the goals at hand.

As a construction inspector in the field, Mr. Rossi has exhibited strong public relations skills and has demonstrated the ability to diplomatically interact with concerned project abutters whose properties are impacted by a construction project. Mr. Rossi is highly organized and knows how to maintain project files that meet the requirements of the Federal Highway Administration and VTrans.

Mr. Rossi served as a Resident Engineer, Chief Inspector or Inspector on the projects listed below.

Resident Engineer: As the Resident Engineer, Mr. Rossi was responsible for the administration and inspection throughout construction of the project. He ensured the project was constructed according to the contract documents and that all materials were in conformance with the specifications. He also ensured that all work was accomplished in accordance with all safety and environmental regulations. He served as the single point of contact for all project matters during construction. In addition to his RE duties, Mr. Rossi was responsible the administrative work for the contract, including project record compilation and documentation, entering Daily Work Reports, writing change orders and written orders, monitoring certifications and sampling, maintaining concrete and weather logs, and monitoring civil rights issues.

Chief Inspector: As a Chief Inspector, he was responsible for the administration, engineering, and inspection of the project. Duties included survey including initial project control, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities; monitoring field operations, verifying field measurements, coordinating sampling, traffic control, safety issues, public meetings, and general communication and documentation duties. As Chief Inspector, he also delegated duties to the inspector(s) and the Office Engineer.

Inspector: As an Inspector, he was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman Pedersen, Inc. 02/20+

Leicester BO 1445(37), Addison County, VT. 03/22-11/22. Chief Inspector. This project in the Town of Leicester on TH 12 (Old Jerusalem Road) was for the replacement of Bridge 4 over the Leicester River beginning approximately 0.73 miles north from its intersection with TH 1 (Leicester-Whiting Road) and extending northwesterly for a distance of 0.062 miles (325 ft). Work performed for this project included removal of the existing buried concrete slab over the culvert and replacement of existing multi-plate steel pipe culvert with a new integral abutment bridge with related approach roadway and channel work. Traffic was maintained on a signed detour. *Client: VAOT; Joe Knipes (RE)*

Clarendon-Rutland Town NHG SGNL(56), Rutland County, VT. 06/22-12/22. Inspector. This project in the Town of Clarendon was for the traffic signal at the intersection of US Route 7 and North Shrewsbury Road. Other traffic signals on this project were in the Town of Rutland at the intersections of US Route 7 and Windcrest Road, US Route 7 and US Route 4, and US Route 7 and Holiday Drive. Work performed for this project included replacement and modernization of traffic signal systems. *Client: VAOT; Chris Williams (RE)*

Middlebury PLAT(2), Addison County, VT. 04/21-11/21. Inspector. This project was at the Middlebury Station on the Vermont Railway Line. Work performed for this project included construction of a passenger train station platform, canopy, and platform lighting system.

Pittsford MM 18(13), Rutland County, VT. 01/21-03/21. 02/20+. Resident Engineer. This project was on town-owned property on Depot Hill Road at the site of the town transfer station. Work performed under this contract included the erection of a 65 ft. x 144 ft. salt storage shed. Specific work included, but was not limited to; site work, excavation, installation of an asphalt pad, precast concrete blocks and building of an engineered steel and fabric roof structure. *Client: Town of Pittsford; John Haverstock, Town Manager*

Burlington STP SDWK(19), Chittenden County, VT. 05/20-12/20. Resident Engineer. This project began at the corner of South Prospect Street and Colchester Avenue and extended 2,144-ft easterly along Colchester Avenue to the intersection of Colchester Avenue and East Avenue. Work to be performed under this contract included the construction of a new 10-ft-wide concrete side path along Colchester Avenue, along with grading, drainage, subbase, landscaping, signage, and other incidental items related to building an urban recreational side path. *Client: City of Burlington; Olivia Darisse, Public Works Engineer*

## Prior Firm Experience

Staff Sterling Management, Morrisville, VT 2014-2019. Construction Inspector. This position involved on-site observation and recording of construction activity on municipal infrastructure projects. Primary responsibility was to verify that all construction work was carried out in conformance with drawings, specifications, and funder requirements, thus assuring quality in the work. Other duties included tracking materials quantities, verifying contractor pay requisitions, assembling daily work reports and photographing daily activity. Projects included road reconstruction, new sidewalks, curb installations, shared-use paths, and underground utilities. Many of these were coordinated through the VTrans MAB Program.

Rossi Construction, Sudbury, VT. 1996-2014. Owner/Operator. This enterprise was a residential and commercial building contractor, involved in new construction and renovation work. As Company Principal, Mr. Rossi procured work through construction cost estimating and submitting bids to project owners. Upon successful procurement of contracts, the focus then turned to performing the work on site and maintaining positive client relations. The company did work as both a general contractor and subcontractor.

Green Mountain Window, Rutland, VT. 1995-1996. Manufacturer's Representative. This position involved design, sales and field service for a company that manufactured and distributed windows throughout Vermont, New England and New York State. Considerable effort went into coordinating inventory needs with lumber yards and meetings with architects to devise custom window designs.

Rossi Construction, Harwinton, CT. 1993-1995. Owner/Operator. This company offered residential and commercial construction contracting in the Litchfield Hills region of Connecticut. New building construction, renovations and specialty jobs were in the portfolio. Mr. Rossi assembled and submitted bids, performed the construction work, and as company owner, focused on strengthening client relations.

Forum Stone, Hartford, CT. 1992-1993. Sales & Customer Relations. This position involved developing cost estimates, coordinating design, and overseeing installation for a manufacturer of high-end granite and marble architectural stone products used in residential homes. Responsibilities also included working closely with architects to assess individual situations and to develop designs for the finished products.

Torrington Sash and Door, Torrington, CT. 1983-1992. Outside Sales. In this position, Mr. Rossi was responsible for sales and management of installations for a full-service building materials retailer, with a focus on high-end windows and doors. Coordinating installations through weatherization programs was also involved.

Stone Container, Torrington, CT. 1979-1983. Plant Superintendent. This position involved coordinating and overseeing operations for what was the largest corrugated cardboard packaging manufacturer at the time. In addition to supervising 80 production workers, responsibilities included production planning, expediting, and interacting with salespeople.

Commercial Sewing, Torrington, CT. 1973-1979. Sales Representative. Responsibilities included customer relations, procurement, technical advising and coordinating warehouse operations for a manufacturer of custom-made canvas covers and oil containment booms. 30,000 canvas snowmobile covers were manufactured and distributed during Mr. Ross's tenure at the business.

S.V. Rossi Construction Company, Torrington, CT. 1970-1973. Field Engineer. This position involved surveying, layout, elevation shooting and construction site engineering for a heavy/highway construction contractor. The company focused on interstate highway construction and projects included segments of I-91 in the Northeast Kingdom of Vermont and US Route 4 in Rutland County.

## Volunteer Activity / Community Organizations

- Town of Sudbury Planning Commission member, Sudbury, VT. 2013-Present
- Town of Sudbury Zoning Board member, Sudbury VT. 2013-Present

# Jon Rouelle

Technician IV

**PROPOSED PROJECT ASSIGNMENT**: Inspector/Chief Inspector

**EDUCATION:**

*Wildlife and Fisheries Biology Major, University of Vermont, 1984-1985*
*High School Diploma, Montpelier High School, Montpelier, VT, 1984*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade 1 – 2023 (Anticipated)*
*CDL Class B License with Hazmat and Tank Endorsement – 1985*
*Certified Pavement Marking Technician – 1990*
*Certified 3M Applications Technician – 2019*
*Flagger certification – 2018*
*Forklift Certification - 2018*
*NETTCP HMA Paving Inspector - 2023 (Anticipated)*
*OSHA 10 – 2022*

**YEARS WITH FIRM:** *1*
**TOTAL YEARS EXPERIENCE:** *37*

## Professional Profile

Mr. Rouelle has many years of experience in construction including one year performing construction inspection. He is skilled in plan reading, pavement marking layout and application, and sign installation. He is highly respected with general contractors and engineers in the highway construction field in Vermont and all of New England. He is anxious to take on new responsibilities and learn new skills.

Inspector. Responsible for providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. S/he was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. S/he was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

Chief Inspector. Responsible for the administration, engineering, and inspection of the project. As Chief Inspector, he was accountable for surveys, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included. As Chief Inspector, s/he delegated duties to the Inspector(s) and the Office Engineer.

## Project Experience

Greenman-Pedersen, Inc. 04/22+.

Lyndon-Barton IM 091-3(55), Caledonia & Orleans Counties, VT. 10/22-11/22. Inspector. This project on Interstate Route 91 (Northbound) in the Town of Lyndon began at Mile Marker 136.40 and extended northerly a distance of ~20.10 miles (106,128 ft) to Mile Marker 156.50 in the Town of Barton. The project also included on Interstate Route 91 (Southbound) beginning in the Town of Lyndon at Mile Marker 136.50 and extended northerly a distance of approximately 20.00 miles (105,600 ft) to Mile Marker 156.50 in the Town of Barton. Work performed for this project included surface preparation involving patching, pothole repair, milling and paving with a leveling course followed by a wearing course on the existing interstate typical, pavement markings, guardrail rehabilitation, and other related highway items. *Client: VAOT; Mitchell Mason (RE)*

Randolph-Northfield STP SURF(73), Orange, Addison, & Washington Counties, VT. 07/22-09/22. Chief Inspector. This project on VT Route 12A began at Mile Marker 0.398 in the Town of Randolph and extended northerly a distance of 20.043 miles (105,827.04 ft) to Mile Marker 4.075 in the Town of Northfield. Work performed for this project included removal of the existing lines, spraying the roadway with rubberized asphalt and immediately placing asphalt coated aggregate into the rubberized asphalt, pavement markings, and other related highway items. *Client: VAOT; Contact: Chris Barker (RE)*

Brookfield STP 0241(49), Orange County, VT. 06/22-09/22. Inspector. This project on VT Route 12 in the Town of Brookfield began at Mile Marker 3.86 (Station 204+00) and extended northerly a distance of approximately 0.045 miles (235 ft) to Mile Marker 3.91 (Station 206+35). Work performed for this project included reconfiguration of existing rock slope, stabilization of rock slope, and other highway related items. *Client: VAOT; Contact: Chris Barker (RE)*

Brookfield-Montpelier IM SURF(67), Orange and Washington Counties, VT. 04/22-09/22. Inspector. This project on Interstate 89 (Southbound) began at Mile Marker 36.900 in the Town of Brookfield and extended northerly to Mile Marker 52.500 in the City of Montpelier. Work performed for this project included fine-milling, surface preparation involving patching, pothole repair, and crack sealing, overlaying with a thin bituminous surface treatment, pavement markings, guardrail improvements, and other highway related items. *Client: VAOT; Contact: Chris Barker (RE)*

## Prior Firm Experience

L&D Safety Marking Corporation, Barre, VT. 1985-2021. Operations Manager. Mr. Rouelle was appointed to a foreman position shortly after starting work with L&D in 1985. He has managed many projects with crews ranging from six to twenty people at any given time. He was their safety instructor from 1988-2021. He also taught courses in layout and plan reading. He also trained employees in a CDL course from 2019-2021.

# Jason Rowell, PE

Civil Engineer IV

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector/ Resident Engineer

**EDUCATION:**

*BS in Civil Engineering - Norwich University – 2007 (GPA 3.1/ Dean's List/Member ASCE/Member Chi Epsilon)*
*AS in Mechanical Engineering Technology - Vermont Technical College - 2007 (GPA 3.5/Presidents List/Member Tao Alpha Pi/ASCE Award - Greatest Academic Development; 2004/Mechanical Technician of the Year 2005)*
*AS in Civil & Environmental Engineering Technology - Vermont Technical College - 2004*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade 1 – 2023 (Anticipated Recertification)*
*ATSSA Traffic Control - 2017*
*Permit-Required Confined Spaces – Entrant*
*Permit-Required Confined Spaces – Attendant*
*Permit-Required Confined Space Rescue – For Supervisors*
*Defensive Driving*
*NETTCP Concrete Inspector - 2022*
*NETTCP Drilled Shaft Inspector – 2022*
*NETTCP Driven Pile Inspector - 2019*
*NETTCP HMA Paving Inspector - 2022*
*NETTCP Soils & Aggregate Inspector - 2017*
*NHI Driven Pile Inspector*
*Nuclear Density Gauge*
*OSHA 10-Hour*
*Professional Engineer – VT – 2020*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *13*
**TOTAL YEARS EXPERIENCE:** *21*

## Professional Profile

Mr. Rowell is well versed in all facets of construction inspection. He is experienced in developing Quality Assurance plans and coordinating inspection activities for construction projects. He is proficient in project layout, general surveying and data collector operation, Site Manager, Site Manager Reports, E-Books, DocExpress, as well as plan, specification, and contract reading. He maintains great technical communications (Microsoft: Outlook, Excel and Word), and is good with developing and maintaining working relationships. He is skilled in creating record plans with AutoCAD and has experience in bridge design, plan review, and cost estimating.

Mr. Rowell served as a Resident Engineer, Chief Inspector, Office Engineer, or Inspector on the projects listed below.

Resident Engineer: As the Resident Engineer, Mr. Rowell was responsible for the administration and inspection throughout construction of the project. He ensured the project was constructed according to the contract documents and that all materials were in conformance with the specifications. He also ensured that all work was accomplished in accordance with all safety and environmental regulations. He served as the single point of contact for all project matters during construction. In addition to his RE duties, Mr. Rowell was responsible the administrative work for the contract, including project record compilation and documentation, entering Daily Work Reports, writing change orders and written orders, monitoring certifications and sampling, maintaining concrete and weather logs, and monitoring civil rights issues. Chief Inspector: As a Chief Inspector, he was responsible for the administration, engineering, and inspection of the project. Duties included survey including initial project control, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities; monitoring field operations, verifying field measurements, coordinating sampling, traffic control, safety issues, public meetings, and general communication and documentation duties. As Chief Inspector, he also delegated duties to the inspector(s) and the Office Engineer.

Office Engineer: As an Office Engineer, he was responsible for the administrative work for the projects which included, but was not limited to, project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications, sampling, and test results, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights issues.

Inspector: As an Inspector, he was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 04/10+.

NCHRP 10-110 3D Modeling Guide for Construction Inspection. 11/22+. Assistant to Principal Investigator. The objective of this research project is to identify 3D model information required to support construction inspection, verification, and contract administration. Mr. Maxfield is responsible for performing the literature search, conducting a gap analysis, and developing a list of core competencies required for construction inspectors related to 3D digital delivery. *Client: National Academies of Science.*

Walden STP SCRP(27), Caledonia County, VT. 08/22-10/22. Chief Inspector. This project on VT Route 15 in the Town of Walden began at Mile Marker 1.889 and extended easterly for a distance of ~0.028 miles to Mile Marker 1.918. Work performed for this project included the removal and replacement of the existing corrugated metal pipe with a precast concrete box culvert and other highway

related items. *Client: VAOT; Aaron Weaver (RE)*

Elmore ER P20-1(808), Lamoille County, VT. 07/22-10/22. Chief Inspector. This project on VT Route 12 in the Town of Elmore began at Mile Marker 0.265 and extended northerly a distance of 0.009 miles (50 ft) to Mile Marker 0.275. Work performed for this project included culvert replacement requiring a 10-foot-deep cut and associated roadway items. *Client: VAOT; Aaron Weaver (RE)*

Montgomery STP DECK(40) C/2 & Montgomery STP DECK(47), Franklin County, VT. 04/22-08/22. Chief Inspector. Montgomery STP DECK(40) C/2 – This project on VT Route 118 in the Town of Montgomery was for the replacement of Bridge 19 over the Trout River approximately 8.355 miles northerly of the Belvidere/Montgomery Town Line. The bridge is a three-span structure that is 177 feet long and 30 feet wide. Work performed for this project included the replacement of the existing bridge deck using conventional cast-in-place construction methods, new crash tested bridge railings, and related approach roadway and channel work. The new bridge deck will be continuous over the piers and has a greater load capacity than the existing deck. Montgomery STP DECK(47) – This project on VT Route 118 in the Town of Montgomery was for the replacement of Bridge 20 over West Hill Brook approximately 8.525 northerly of the Belvidere/Montgomery Town Line. The bridge is a three-span structure that is 127 feet long and 30 feet wide. Work performed for this project included the replacement of the existing bridge deck using conventional cast-in-place construction methods, new crash tested bridge railings, and related approach roadway and channel work. The new bridge deck will be continuous over the piers and has a greater load capacity than the existing deck. *Client: VAOT; Ryan Corkins (RE)*

Brownington STP SCRP(25), Orleans County, VT. 09/21-10/21. Chief Inspector. This project on VT 58 began at Mile Marker 1.435 and extended easterly 100-ft to Mile Marker 1.454. Work performed for this project included installation of a new precast concrete box culvert, headwalls, wingwalls, slope stabilization, removal of the existing culvert, and other highway and channel related items. *Client: VAOT; Aaron Weaver (RE)*

Stowe STP MM 20(4)/Stowe ER E20-1(818), Lamoille County, VT. 05/21-09/21. Resident Engineer. This project called for GPI providing professional engineering services as the prime consultant responsible for contract management and construction inspection for the construction of a new bridge on Stagecoach Road (TH 4) over Moss Glen Brook. The project consisted of replacement of culverts with integral abutments and prestressed concrete Next Beams and reconstruction of the roadway approaches. *Client: Town of Stowe, VT; Contact: Harry Shepard, Director of Public Works.*

Hartland IM 091-1(68), Windsor County, VT. 05/20-11/20. Office Engineer. This project included the replacement of Bridge D37 on Town Highway 41 (Depot Road) over Interstate 91. Work performed under this project encompassed the replacement of Bridge D37 with two new bridges on a new alignment, including associated approach work and removal of the existing bridge. The old bridge was a 6-span cast-in-place deck on rolled beams constructed in 1965 and was approximately 359-ft in length and 24-ft wide. The new structure is increased in width and features a crash tested bridge railing. The project used an innovative technology; Geosynthetic Reinforced Slope-Integrated Bridge System (GRS-IBS) for abutments. This was the first use of this technology in Vermont for bridges. The entire structure of the existing 6-span bridge was replaced with two short, single-span bridges using the GRS-IBS structures in the median and for abutments. Traffic was maintained on a privately-owned offsite detour. *Client: VAOT, Nicholas Newland (RE)*

South Burlington STP 5200(17), VT. 06/18-03/20. Chief Inspector. This project included the complete reconstruction of Market Street. The project included new subbase, pavement, sewer and water lines, underground utilities, drainage, stormwater treatment ponds, sidewalks, curbing, lighting, landscaping, traffic signal modifications, pavement markings, and other related items on new horizontal and vertical alignment. *Client: City of South Burlington, CT; Justin Rabidoux, Public Works Director*

Hardwick-Danville STP 2122(1), VT. 08/17-12/17. Chief Inspector. This 12.5-mile paving project was on VT 15. Work to be performed under this project included cold planing, resurfacing with leveling and wearing courses, guardrail, removal of retaining walls, drainage improvements, pavement markings, and other highway related items. *Client: VAOT; John Sladyk (RE)*

Barton Village BO 1449(33) and Barton Village BHF 0286(5), VT. 04/17 to 08/17. Chief Inspector. The BO project was to replace the bridge at the intersection of VT 16 and TH 4 (Roaring Brook Road) on a new alignment. The BHF project was to replace the bridge on VT 16 (Glover Street) on the existing alignment. Both projects were accelerated bridge projects and included demolition of the existing of the existing structures, pre-excavation and installation of pile foundations, forming, tying, and placement of cast-in-place abutments, installation of precast abutments, placement and pre and post-tensioning of pre-cast box beams, grouting of shear keys for box beams, the placement of rapid-set closures for approach-slabs, the forming, tying placement and aesthetic finishing of cast-in-place combination bridge rail, construction of full-depth approaches, removal of contaminated soils, installation of torch-applied bridge membrane, placement of pavement, and installation of plug-joints. *Client: VAOT; Kevin McClure (RE)*

Specification Coordinator. 10/16-04/17. Mr. Rowell served as a specification coordinator for the VTrans Construction and Materials Bureau's Pre-Contract and Specifications group. Jason's responsibilities included reviewing and verifying the completeness of proposed contract specifications to verify compatibility with plans, permits, traffic management plan, estimate, and general VTrans construction conventions. Jason's responsibilities also included reviewing the constructability of the plans and specifications to identify any areas of concern and then coordinate with construction staff, project managers, permitting groups, and specialist, to fully identify and resolve any specification issues. Mr. Rowell also assisted the Pre-Contract and Specifications Manager with identifying and establishing the workflow of this group (which was newly formed at the time) and developed some of the forms and guiding documents

that formalized this process. *Client: VAOT; Wendy Ducey, Pre-Contract & Specifications Manager*

Craftsbury BO 1449(34), VT. 07/16-08/16. Chief Inspector. This was an accelerated bridge project to replace Bridge 4 on TH 4 (Creek Road). The project included pile foundations with rock-sockets, Pre-Cast Bridge Units (PBUs), spray applied bridge membrane, reconstruction of approaches, and placement of pavement. *Client: VAOT; Seth Hisman (RE)*

Ryegate STP CULV(10), VT. 05/14-12/16. Assistant Quality Assurance Manager. This was a design-build project to replace the existing culverts under US Route 5 and the Washington County Railroad. This project included the construction of two 32' by 19' cast-in-place, concrete arch culverts that are 140' and 130' in length respectively. The construction of the proposed culverts required deep excavation techniques including sheet walls, tiebacks, soil nails and a dewatering system to facilitate the 65' deep excavation. The project also included the construction and launching of two 70'+ temporary modular bridges to maintain highway and railroad traffic during the excavation and construction of the culverts. Jason was responsible for assisting in all matters regarding QA for the project. This included developing the Quality Assurance plan, developing the individual Inspection Plans for each work package, conducting Inspectability Reviews for each work package, providing QA inspection during the construction of the work packages, coordinating acceptance testing, verifying the accuracy and completeness of material certifications, verifying conformance to the plans, permits, and contract, verifying conformance to the Quality Control Plan, document daily work activities, verifying survey layout with a robotic total station, assisting in leading a preparatory inspection meeting for each work package, and verifying that work packages were substantially complete. *Client: Engineers Construction Incorporated; Owner: VAOT*

New York State Thruway Authority Tappan Zee Bridge Replacement Project, Design/Build Quality Assurance, South Nyack, Tarrytown, NY. 10/13-04/14. Senior Quality Assurance Inspector. Mr. Rowell served as a Quality Assurance Inspector on the complete replacement of the existing Tappan Zee Bridge over the Hudson River north of New York City. It is a $3.9B design-build project to create two new bridges to the north of the existing structure and to demolish the existing structure. Each new structure will be over 3 miles long. Jason's primary role was providing quality assurance for the installation of 36" to 72" diameter end bearing pipe piles that ranged from 50 to 280' in length. Additional responsibilities included providing QA for the assembly of two 1,000' long temporary work trestles. Jason was responsible for monitoring the contractor and the quality control personnel during the construction process to ensure they were in compliance with the contract documents, driving criteria, permits, and welding quality control plans. He was also responsible for determining when work was acceptable or was not in conformance. *Client: Tappan Zee Constructors, LLC; Owner: New York State Thruway Authority*

Montgomery-Westfield STP 2906(1), VT. 07/13-10/13. Inspector. This project was a 6-mile reclaim project on VT 242. Mr. Rowell was responsible for survey and layout for the Resident Engineer during the construction of the project. Mr. Rowell was tasked with programming the line, grade, and super-elevations into the data collector. He was also responsible for maintaining the traverse throughout the project including setting new points and checking the contractor's GPS fine grading operation to confirm it was in tolerance. *Client: VAOT; Seth Hisman (RE)*

Newbury-St. Johnsbury AC IM 091-2(76), VT. 04/13-07/13. Inspector. This project was an 18-mile interstate paving project. Work performed under this project included cold planing, resurfacing with leveling and wearing courses, guardrail, drainage, pavement markings, and other highway related items. *Client: VAOT; John Sladyk (RE)*

Newport City BRO 1449 (25), VT. 03/12-04/12 and 10/12-12/12. Inspector. This project on Mount Vernon Street included the removal of the existing structure, construction of a new 3-span continuous composite steel girder superstructure, new abutments, new piers founded on drilled shafts, and related roadway work. *Client: VAOT; Chris Craig (RE)*

Cabot-Danville FEGC F028–3 (26), VT. 05/11-12/11 and 05/12-10/12. Chief Inspector. This project was a 1.5-mile reconstruction and realignment of US 2 as well as the creation of a wetland mitigation site. The project included reconstruction and widening of the roadway including grading, drainage, subbase, pavement, penstock replacement, stream relocation, precast box culvert with MSE walls, creation of a wetland mitigation site, and other highway related items. *Client: VAOT; Jon Day (RE)*

East Montpelier STPG 028-3 (35)S, VT. 08/10-12/10. Chief Inspector. Work performed under this project included the realignment and reconstruction of the US 2 and VT 14 intersection which included new subbase, pavement, drainage, traffic control signal system, parking area, pavement markings, landscaping, and other related roadway items. *Client: VAOT; Pete Hodgson (RE)*

Statewide NE Region BHF MEMB(19), Multiple Locations in the Northeast Region, VT. 04/10-07/10. This project involved removing and replacing the sheet membrane waterproofing and bituminous concrete pavement and making minor deck repairs on 11 bridges. *Client: VAOT; Shane Morin (RE)*

## Prior Firm Experience

### Vermont Agency of Transportation Construction Division

Craftsbury BRO 1449(24), VT. 05/08-04/10. Civil Engineer II. Resident Engineer. Mr. Rowell oversaw all aspects of the project during construction. This project on TH 59 included the replacement of the existing bridge on the existing alignment with necessary approach roadway and channel work. Work performed under this project included cast-in-place abutments founded on piles, a voided slab deck

with an overlay, subbase, pavement, bridge and approach rail, and other highway and channel related items.

Barre Town HES 026-1(38), VT. 08/08-10/08 & 04/09-07/09. Inspector. This project consisted of the construction of a roundabout at the intersection of US 302, VT 110, and TH 30 (Cobble Hill Road). Work under this project included construction of the roundabout, realignment of the approaches, new sidewalks, drainage, landscaping, streetlights, relocation of a parking area to a turnout 1,300-ft northwest of the intersection. *Dave Hoskings (RE)*

Various Projects, VT. 05/08-08/08. Inspector. During this period, Mr. Rowell was assigned to a few different projects while waiting for the roundabout project to begin. He assisted with a 13-mile paving project, a safety project to replace guardrail on 40 miles of the interstate, and a slope stabilization project. He was responsible for identifying areas of the roadway that needed to be undercut. He calculated a new transition for the cross slopes of the roadway between two curves because the existing road was in very poor condition. He also worked on a statewide crack sealing project. He reviewed the contractor's traffic control packages on a day-to-day basis to make sure they complied with the MUTCD manual, identified traffic issues, and worked with the contractor to resolve traffic safety issues quickly.

Structures Unit, VT. 01/08-03/08 and 01/09-4/09. Bridge Designer. Under the supervision of the design engineer, Mr. Rowell performed the design calculations for the foundation, abutment stem, and wing walls of a 250' truss bridge using the LRFD bridge design manual. He started by generating all of the load cases for the structure to determine the governing foundation loads. Then, based on the geotechnical report, he performed preliminary calculations to size a pile foundation and a drilled shaft foundation. He utilized computer software to model both options and conducted a cost analysis between the two foundation types to determine which one would be most cost effective. After selecting the foundation type, he refined the model of the pile foundation, performed a check of the pile selected, performed the calculations for sizing the pile cap, abutment stem, and wing walls, sized the reinforcing steel and generated a reinforcing schedule, calculated the size of the pot bearings, selected a bridge joint, generated quantities, and estimated the cost for many items.

Alburgh-Swanton, VT. 06/07–12/07. Inspector. This $32M project included the complete bridge replacement over Missisquoi Bay. The scope of work included the complete replacement of existing causeway and draw-span with 3,600' structure, 22 drilled shaft foundations, new causeways, and new approaches. He prepared the GPR data that a testing firm produced for the reinforcing steel concrete cover for the QC/QA deck. He also reviewed the data and put it into the appropriate sub-lots and calculated the standard deviation to generate the pay factor for each lot. *Jon Day (RE)*

Finals Unit, VT. 01/07 - 05/07. AOT Technician IV. Mr. Rowell reviewed and checked the final quantities for projects, reviewed record plans, and generated change orders.

Alburgh-Swanton, VT. 05/04-08/04, 05/05-08/05 & 05/06-08/06. Temporary Employee, AOT Tech II-IV. Mr. Rowell's duties included checking the contractor's layout of drilled shafts, inspecting the construction of the drilled shafts including the reinforcing cages to ensure the cages were placed and aligned properly, and sounding the bottoms of the shafts prior to concrete placement. He also inspected the construction of the bridge piers, erection of the structural steel, tensioning of bolts, took beam profiles, placement of the stay-in-place forms, installation of shear studs, tying of reinforcing steel, and the placement of the deck concrete. *Jon Day (RE)*

Various Projects, VT. 06/03-08/03. Temporary AOT Tech II. Mr. Rowell assisted two RE's with calculating final quantities and taking final sections. He also visited 424 rail crossings around the state to take an inventory of the sign and pavement marking conditions and to compare the items to what was required by the MUTCD manual. He also assisted with a reclaim stabilized base project. He inspected the reclaim and paving operations and the installation of the erosion control features.

Various Projects, VT. 06/02-08/02. Temporary AOT Tech I. Mr. Rowell worked on a small roadway job and a small-town highway bridge. He assisted the RE with inspection and calculation of final quantities. He was introduced to plans, specifications and engineering practices relating to construction inspection.

# Ellen Sauer

Administrative Services Technician IV

**PROPOSED PROJECT ASSIGNMENT**: Office Engineer

**EDUCATION:**

*AS/Community College of Vermont, White River Jct., VT*
*Vermont Association of Realtors, Montpelier, VT: Appraiser Pre-Licensing courses*
*Department of Defense Security Institute, Richmond, VA: Personnel and Information Security courses*
*US Army, Fort Jackson, SC: Administrative Specialist*
*Winona State University, Winona, MN: Paralegal Program*

**YEARS WITH FIRM:** *1*
**TOTAL YEARS EXPERIENCE:** *37*

## Professional Profile

Ms. Sauer is a self-motivated, organized, detail-oriented, and responsible team player with skills in oral and written communication, computer use, and customer service.

Office Engineer: As an Office Engineer, she was responsible for the administrative work for the projects, which included, but was not limited to, project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications, samples, and test results, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights issues.

Ms. Sauer served as an Office Engineer on the projects listed below.

## Project Experience

Greenman-Pedersen, Inc. 02/22+.

Randolph-Northfield STP SURF(73),Orange, Addison, & Washington Counties, VT. 07/22-09/22. Office Engineer. This project on VT Route 12A began at Mile Marker 0.398 in the Town of Randolph and extended northerly a distance of 20.043 miles (105,827.04 ft) to Mile Marker 4.075 in the Town of Northfield. Work performed for this project included removal of the existing lines, spraying the roadway with rubberized asphalt, and immediately placing asphalt coated aggregate into the rubberized asphalt, pavement markings, and other related highway items. *Client: VAOT; Contact: Chris Barker (RE)*

Brookfield STP 0241(49), Brookfield, Orange County, VT. 06/22-09/22. Office Engineer. This project on VT Route 12 in the Town of Brookfield began at Mile Marker 3.86 (Station 204+00) and extended northerly a distance of approximately 0.045 miles (235 ft) to Mile Marker 3.91 (Station 206+35). Work performed for this project included reconfiguration of existing rock slope, stabilization of rock slope, and other highway related items. *Client: VAOT, Contact: Chris Barker, RE*

Construction – Central Office Administration (NE) Northeast Region, VT. 02/22-05/22. Ellen Sauer was retiring from her position with VTrans as the Northeast Regional Administrative Services Coordinator at the end of February 2022. GPI hired Ellen so that she could continue to perform the essential functions of the position until VTrans was able to hire her replacement. Ellen also trained the person who replaced her. As the Administrative Services Coordinator, Ellen was responsible for the administrative duties of the Northeast Regional Office of the Vermont Agency of Transportation's Construction and Materials Bureau. Her duties included, but were not limited to, being responsible for all correspondence, processing subcontractor requests, scheduling meetings (Kickoff Meetings, Preconstruction Conferences, Final Inspections, etc.), and Change Order Reviews. *Client: VAOT, Contact: Seth Hisman, RCE*

## Prior Firm Experience

State of Vermont, Highway Division. 2012-2022. *Administrative Services Coordinator.* Reviewed and processed subcontractor requests, calculated percentages of requested items and entered into a database. Reviewed and edited contract change orders for accuracy and provided approval and acknowledgement. Maintained construction documents in a transparent web-based database. Prepared and distributed letter and memos required for a construction project. Coordinated various meetings throughout a construction project. Provided administrative support to include preparing reports, took meeting minutes, ordered supplies, approved invoices, and responded to communications from the public.

GPI

State of Vermont, Vocational Rehabilitation. 2011-2012. Human Services Case Aide. Processed consumer and operating invoices. Issued checks from an Imprest cash account. Obtained reimbursement for checking account. Processed grant payments. Provided information to consumers and the general public. Prepared reports from a database. Coordinated and scheduled meetings. Reviewed time and expense reports for submission. Maintained office supplies and equipment.

State of Vermont, Buildings and General Services. 2006-2011. Administrative Assistant. Initiated and maintained preventive maintenance for all district buildings and assets in a statewide database. Produced spreadsheets and reports from various data. Reviewed time reports and invoices for accuracy in coding. Reallocated purchases made with credit cards. Worked with staff to resolve computer-related issues. Served as district liaison for Human Resource matters. Maintained training requirements for staff. Worked with contractors and vendors as needed.

Geodesign, Inc. 2005-2006. Administrative Assistant. Proofed outgoing correspondence. Drafted memos and letters. Prepared reports for distribution. Assisted on special projects (MathCounts, American Council of Engineering Companies). Compiled Business Development Listing. Compiled qualifications packages to prospective clients.

Datalath, LLC. 2004-2005. Home Inspector. Inspected homes and entered data into a handheld computer. Interviewed homeowner to obtain specific information. Took exterior measurements and drew a footprint of the home to scale. Established perimeter and area calculations of dwelling. Photographed home to capture the quality of building.

Dartmouth Hitchcock Clinic, Hematology/Oncology. 2002-2003. Academic Assistant. Edited manuscripts, abstracts, and various correspondence. Maintained budgets on various accounts. Provided assistance in organizing and preparing grant applications. Coordinated oncology fundraising event. Assisted in development of public website; maintain an intranet site. Maintained non-patient schedules for providers. Coordinated meetings and conferences.

Lebanon Municipal Airport. 1997-2001. Secretary. Compiled statistics for departmental reports. Proofread correspondence. Prepared invoices and posted payments. Assisted in budget preparation. Coordinated special meetings and events. Initiated data entry for security access cards. Member of Wellness Committee.

US Army Cold Regions Research and Engineering Laboratory. 1986-1997. Security Manager. Implemented and evaluated a comprehensive security program with functional areas in personnel, information, and physical security. Provided information, both written and oral to employees, contractors, local, state, and federal law enforcement. Maintained access card system and lock and key control. Liaison for foreign national visits. Reviewed requests for security investigations and security clearances. Reviewed results of investigations and granted interim clearances when mandated. Conducted interviews to ensure compliance of the security investigation process. Conducted periodic security inspections. Determined eligibility and issued military ID cards to active duty, retirees, and dependents. Formulated annual budget for security operations.

# Troy Schumacher

Technician V

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector/Office Engineer

**EDUCATION:**

*BS in Engineering Technology - University of Wisconsin - 1994*
*AS in Arts and Sciences - University of Wisconsin -1992*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade 1 - 2022*
*AGC/VT Registered Flagger-2017*
*American Segmental Bridge Institute Grouting Training Certified-2018*
*FHWA Traffic Management Plan*
*First Aid & CPR*
*NETTCP Concrete Inspector-2021*
*NETTCP Driven Pile Inspector-2021*
*NETTCP HMA Paving Inspector-2023 (Anticipated)*
*Nuclear Gauge & DOT Certified*
*OSHA 10-Hour & 30-Hour*
*Post Tensioning Institute Bonded Level I Field Specialist-2017*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *8*
**TOTAL YEARS EXPERIENCE:** *24+*

**PROFESSIONAL AFFILIATIONS:**

*American Society for Quality (ASQ)*
*American Concrete Institute (ACI)*

## Professional Profile

Mr. Schumacher's experience includes managing, monitoring, recording data and testing materials during the construction of transportation and energy facilities. He has supervised construction of numerous projects throughout the United States. His responsibilities included inspecting various contractors' processes and ensuring compliance with plans and specifications. He regularly collaborated with various project managers in civil, electrical, mechanical, steel erection and tower installation and provided recommendations as needed. He is familiar with construction, start-up, operations, maintenance, and safety at various types of facilities.

Mr. Schumacher has served as a Chief Inspector, Office Engineer, and Inspector on the following projects.

Chief Inspector: As a Chief Inspector, he was responsible for the administration, engineering, and inspection of the project. Duties included survey including initial project control, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities; monitoring field operations, verifying field measurements, coordinating sampling, traffic control, safety issues, public meetings, and general communication and documentation duties. As Chief Inspector, he also delegated duties to the inspector(s) and the Office Engineer.

Office Engineer: As an Office Engineer, he was responsible for the administrative work for the projects which included, but was not limited to, project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications, sampling, and test results, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights issues.

Inspector: As an Inspector, he was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 04/15+.

Westminster IM 091-1(70), Windham County, VT. 03/22-11/24. Chief Inspector and Office Engineer. This project on Interstate 91 in the Town of Westminster was for the replacement of Bridges 21N and 21S over the Saxtons River and TH-1 (Saxtons River Rd (VT Route 121)) located a distance of ~2.4 miles north of Exit 5 along Interstate 91. Work performed for this project included removal and replacement of existing concrete bridge decks with a widened bridge deck resulting in two 4'8" wide shoulders and two 12-foot travel lanes for each bridge, repairs to the existing substructures, repainting of steel superstructure members, new F-shape bridge rail with Heavy Duty Steel Beam approach rails, installation of a new electrical protection system, and related approach roadway and channel work. Traffic will be maintained with the construction of temporary crossovers in phases which will transition both directions of traffic onto one bridge. *Client: VAOT; Daryl Bassett, Tim Pockette, and Vincent Polhemus (REs).*

Plymouth BF 013-3(13) & Plymouth BF 013-3(17), Windsor County, VT. 08/21-12/21. Chief Inspector/Office Engineer. Plymouth BF 013-3(13) – This project on VT 100 was for the replacement of Bridge 115 which is located approximately 1.4 miles south of the intersection of VT 100 and US 4 at approximate Mile Marker 9.34. Work performed for this project included replacement of the existing culvert with a 22-ft wide by 9-ft high by 76-ft long steel plate arch culvert set on precast pedestals and cast-in-place sub-footings. The project also included related approach roadway and channel work. Plymouth BF 013-3(17) – This project on VT 100 was for the replacement of Bridge 114 which is located approximately 1.7 miles south of the intersection of VT 100 and US 4. Work performed for this project included replacement of the existing culvert with a 16'-9" wide by 10-ft-8" high by 100-ft long corrugated plate pipe arch along with related approach roadway and channel work. This was an accelerated bridge project with an allowable 28-day closure period. *Client: VAOT; Mark Mackintosh (RCE)*

Rockingham IM 091-1(66), Windham County, VT. 04/17-12/21. Office Engineer/Inspector. This Design-Build project is for the replacement of the Northbound and Southbound bridges over the Williams River near Exit 6. Being a Design-Build project, in addition to the normal duties of an Office Engineer, Mr. Schumacher has been heavily involved with reviewing the work packages submitted by the Design-Build team. He has also assisted with claims analysis. *Client: VAOT; Daryl Bassett (RE)*

Bellows Falls-Chester GMRC (22). 2018. Chief Inspector/Office Engineer. This was a rail rehabilitation project from Bellows Falls to Chester. *Client: VAOT; Daryl Bassett (RE)*

Bellows Falls-Chester GMRC (21). 2017. Chief Inspector/Office Engineer. This was a rail rehabilitation project east of Chester Village. *Client: VAOT; Daryl Bassett (RE)*

Rockingham IM 091-1(71). 2017. Office Engineer/Inspector. This project was a blasting and excavation project for the removal of ledge along I-91 Southbound, north of Exit 6. *Client: VAOT; Daryl Bassett (RE)*

Bellows Falls-Chester GMRC (19) 2016. Chief Inspector/Office Engineer. This was a rail rehabilitation project west of Chester Village. *Client: VAOT; Daryl Bassett (RE)*

Bridgewater BF MEMB (34)/Andover BHF 016-1 (29). 04/15-2016. Office Engineer/Inspector. These were bridge rehabilitation projects consisting of membrane replacement and demolition of unsound concrete on the substructures and superstructures along US 4 between VT 100A and VT 100. *Client: VAOT; Daryl Bassett (RE)*

Woodstock ER 0241(40). 04/15-2016. Office Engineer/Inspector. During this time period, Mr. Schumacher also worked on the relocation and armoring of the streambed along VT 12 in Woodstock to shore up the riverbanks and the adjacent roadway. *Client: VAOT; Daryl Bassett (RE)*

## Prior Firm Experience

RRC Companies, Maple Grove, MN /Round Rock, TX. 08/10-01/15. Senior Engineering Technician. Specialized in renewable sources of energy, related to wind, solar, waste to energy projects. He worked directly with clients and contractors to ensure all services were completed according to specifications and codes.

Perham Lakes Municipal Solid Waste Authority W/RRC Companies, Perham, MN. 04/13-07/13. Project Engineer. Led the project through the coordination of multiple subcontractors in the construction, from the ground up, of plant additions. He worked with several engineers in the development of a front-end trash recycling system that extracts recyclable products from waste, prior to being incinerated, to create high temperature steam.

Kutrieb Corporation, Chetek, WI. 11/83-09/85. Fabrication, Coatings, Sales. specialized in pollution control systems; worked directly with R&D on development of waste oil furnaces, air curtain destructors and tire pyrolators.

Alliance Pipeline, Williston Basin, Canada to Chicago, US. 05/98-09/99. Welding and Hydrostatic Testing Technician. Provided visual inspection and hydrostatic testing of welded pipeline joint on heavy wall natural gas 36-inch diameter pipe. Pilot project for use of MIG welders on 2,311-mile transcontinental pipeline.

Echo Wind Park, Elkton, MI. 11/12-04/13. Senior Engineering Technician. This extension of the Thumb Wind project utilized 70-1.6 MW GE wind turbine generators to provide 112 MW of wind power. He was responsible for coordination and development of construction of wind turbine foundations in areas of high groundwater and severe glacier tilled soils.

Thumb Wind Park, Bad Axe, MI. 01/12-11/12. Senior Engineering Technician. On-site project manager for development of 110 MW wind park utilizing 69-1.6 MW GE wind turbines. Developed standard procedures for building foundations in challenging soil conditions. He coordinated resolution of geotechnical and structural issues related to differences in project plans versus actual conditions.

Cooper Farms, Van Wert, OH. 09/11-10/11. Senior Engineering Technician. On-site QA/QC supervisor for construction of 3-1.5 MW Goldwind PMDD wind turbines utilizing a unique monolithic foundation design to expedite erection process and limit excessive component handling.

Sheffield Wind, Sheffield, VT. 04/11-09/11. Senior Engineering Technician. On-site project manager for Vermont's first wind project. Project was situated on a mountain ridge composed primarily of granite. Managed local testing groups and worked with environmental groups to ensure minimal impacts to watershed and wildlife.

University of Minnesota St. Cloud. 05/98-04/05. Installation Superintendent. Developed the installation process of Conor's Sport Floors Rezel Channel® subflooring system for renovation of Halenbeck Hall Gymnasium.

## Industry Tenure

- Renewable Resource Consultants, LLC
- Athletic Performance Solutions & Midwest Sports Floors
- Pipe Liners Union, Local 798
- Kutrieb Corporation

# Neil Scognamillo

Technician III

**PROPOSED PROJECT ASSIGNMENT**: Inspector

**EDUCATION:**

*High School Diploma, Yorktown High School, Yorktown, NY – 2004*

*Took courses in math, biology, welding, etc., as a Psychology Major, Northern Virginia Community College, 2004-2005*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade 1 - 2023 (Anticipated)*

*CPR Certified (SOLO) – 2021*

*NETTCP HMA Paving Inspector – 2023*

*NREMT Certification – 2022*

*OSHA 10 Hour*

*OSHA Confined Space Certification*

*VDOT Flagging Intermediate Certification*

*Wilderness First Responder Certified (SOLO) – 2021*

**YEARS WITH FIRM:** *1*

**TOTAL YEARS EXPERIENCE:** *18*

## Professional Profile

Mr. Scognamillo is an accomplished professional with an ability to lead and motivate. Compassion, enthusiasm, and an aptitude to bring people together for a common goal has served him well in all his endeavors. He possesses exceptional communication and written skills.

Mr. Scognamillo has 17 years of experience in construction working for a company in Virginia. He also has performed construction inspection on Vermont Agency of Transportation projects.

Inspector. Responsible for providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. S/he was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. S/he was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 05/22+.

Swanton-St Johnsbury STP LVRT(12), Cambridge, Fletcher, Bakersfield, Fairfield, and Sheldon, Lamoille and Franklin Counties, VT. 01/22-02/23. Inspector. This project on the Lamoille Valley Rail Trail began at the intersection of North Main Street in the Town of Hardwick and extended westerly 12.44 miles to VT 15A in the Town of Morrisville. Work to be performed under this project included construction of trail surface, clearing, ditching, installation of culverts, signing, and miscellaneous structure repairs and bridge modifications including decking and railing installation. *Client: VAOT; Jeff Cota (RE)*

## Prior Firm Experience

Total Development Solutions, Bristow, VA. 2005-2021. Bond Release Foreman. Mr. Scognamillo managed a team of 4 people as a bond release foreman. He was also a member of the safety committee in 2021. He is knowledgeable on asphalt and concrete construction. He managed and oversaw a crew assigned to complete punch list items. He also constructed retaining walls, roof drains, and slot drains. He interpreted plans, installed VDOT required traffic control devices, has a working knowledge of county and VDOT standards for street construction, interpreted and performed required repairs per county and state inspections, and performed required repairs for water service authority inspections.

Blockbuster, Gainesville, VA. 2004-2005. Assistant Manager. Mr. Scognamillo supervised and managed 10 personnel in the daily operations of a retail store. He was responsible for accurate receipts for all daily transactions, consistently meeting or exceeding sales quota, and was responsible for accurate time keeping and payroll of supervised employees.

# Ian T. Shea
Technician III

**PROPOSED PROJECT ASSIGNMENT**: Inspector

**EDUCATION:**
*AS in Civil Engineering, Vermont Technical College - 2008*
*Clarkson University 2004-2005*

**REGISTRATIONS/CERTIFICATIONS:**
*ACI Concrete Field-Testing Technician, Grade 1 – 2021*
*NETTCP Concrete Inspector - 2023 (Anticipated)*
*NETTCP HMA Paving Inspector – 2021*
*OSHA 10 – 2020*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *3*
**TOTAL YEARS EXPERIENCE:** *13*

## Professional Profile

Mr. Shea has experience in construction inspection and traffic and roadway design. Mr. Shea has experience in designing and preparing plans and estimates for highway construction projects utilizing advanced CAD techniques along with other various software. He has a high level of attention to detail and takes pride in his work. His work involved regular communications, correspondence, presentations with consulting firms and clients. He followed established work rules and procedures while maintaining a positive effective working relationship with people. Additionally, Mr. Shea is proficient in Microsoft Office, AutoCAD, ArcMap, IHSDM, Estimator, Interplot Organizer, and MicroStation & INROADS.

Mr. Shea served as Inspector on the projects listed below.

Inspector: As an inspector, Mr. Shea was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 06/20+.

Statewide Southern Region STP CRAK(44), Multiple Towns and Counties, Southern Region, VT. 08/22-10/22. Inspector. This cracking sealing project included work on various State, US, and Interstate Highways within the Southern Region of the state. Work performed for this project included the routing and sealing of cracks in bituminous concrete pavement on existing State, US, and Interstate Highways and the appropriate traffic control. *Client: VAOT; Demetrio Gagnon (RE)*

Statewide Northern Region STP CRAK(43), Multiple Towns and Counties, Northern Region, VT. 07/22-10/22. Inspector. This cracking sealing project included work on various State, US, and Interstate Highways within the Northern Region of the state. Work performed for this project included the routing and sealing of cracks in bituminous concrete pavement on existing State, US, and Interstate Highways and the appropriate traffic control. *Client: VAOT; Demetrio Gagnon (RE)*

Johnson-Morristown STP 2919(1), Morristown STP 2920(1), & Johnson STP 030-2(35), Lamoille County, VT. 06/21-07/22. Inspector. Johnson-Morristown STP 2919(1) – This project on VT 15 began at Johnson Mile Marker 4.409 and extended easterly 9.506 miles to Morristown Mile Marker 4.179. Another section of the project on VT 100 began at Morristown Mile Marker 6.178 and extended northerly 0.412 miles to Morristown Mile Marker 6.590. Work performed for this project included coarse-milling, reclaiming, correcting superelevation deficiencies, resurfacing with intermediate and wearing courses, pavement markings, guardrail, drainage improvements, and other related highway items. Morristown STP 2920(1) – This project on VT 15A began at Morristown Mile Marker 0.362 and extended easterly 1.441 miles to Morristown Mile Marker 1.803. Work performed for this project included coarse-milling, reclaiming, correcting superelevation deficiencies, resurfacing with intermediate and wearing courses, pavement markings, guardrail, drainage improvements, and other related highway items. Johnson STP 030-2(35) – This project on VT 15 began at Johnson Mile Marker 5.090 and extended easterly 0.156 miles to Johnson Mile Marker 5.246. Work performed for this project included clearing and grubbing, slope repair with soil nails and steel wire mesh, guardrail, erosion control, and other related highway items. *Client: VAOT; Kevin McClure (RE)*

Middlebury WCRS(23), Addison County, VT. 06/20-06/21. Inspector. This project was on the Vermont Railway. Project scope included the replacement of two nearly 100-year-old bridges with a tunnel. The two bridges are about 300-ft apart, with one located on Main Street/VT 30 and the other on Merchants Row. Work performed under this project includes removal and replacement of Bridge 102 and Bridge 2 with a tunnel along a modified railroad alignment, lowering of the tracks, construction of approach retaining walls (U-walls), and roadway and utility work. A 360-ft tunnel will replace the Main Street and Merchants Row bridges and will address several deficiencies now facing the railroad. Currently, the bridges do not have enough vertical clearance for double-stack rail cars. By lowering the rail bed approximately 4-ft, clearance can be increased to 21-ft without impacting the grade of the road and sidewalks above. The tunnel will also enable the alignment of the rail to change, softening the curve that currently exists, allowing better horizontal clearance for trains. Drainage improvements and covering the track will reduce the risk of icing problems that have been severe in some winters as well as ponding that occurs. The project has had to balance community needs and character, local and regional mobility, construction feasibility

– all while keeping the rail line active, except during a 10-week closure period, as communities along the line depend on rail for deliveries of various commodities. *Client: VAOT; Jonathan Griffin (RE)*

## Previous Experience

Sugarbush Resort, Warren, VT. 2018-2019. Property Management/Tech. Mr. Shea assisted in all aspects of Mt. Ellen Lodge Maintenance.

Vermont Agency of Transportation, Montpelier, VT. 2014-2018. Traffic Design Technician/Tech VI. Mr. Shea assisted in design and traffic control.

Vermont Agency of Transportation, Montpelier, VT. 2008-2014. Roadway Designer/Tech IV. Mr. Shea assisted with all aspects of roadway design.

Property Management, Inc., Waitsfield, VT. 2005-2007. Mr. Shea assisted with all aspects of landscape design, maintenance, and construction.

Self Employed, Waitsfield, VT. Summer 2004. Painter. Mr. *Shea* was self-employed for the summer of 2004 performing exterior painting.

# Scott Shepherd
Technician III

**PROPOSED PROJECT ASSIGNMENT**: Inspector

**EDUCATION:**

*AS in Construction Management, Vermont Technical College - 2021*

*AE in Civil and Environmental Engineering Technology, Vermont Technical College - 2019*

*High School Diploma (Building Trades Program), Hartford Area Career & Technology Center, White River Junction, VT and Lebanon High School, Lebanon, NH, 2017*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade 1 – 2022*

*NETTCP HMA Paving Inspector – 2023*

*OSHA 10 Hour*

**YEARS WITH FIRM:** *1*

**TOTAL YEARS EXPERIENCE:** *3*

## Professional Profile

Mr. Shepherd received his Associate of Science in Construction Management from Vermont Technical College in 2021 and his Associate of Engineering in Civil and Environmental Engineering Technology from Vermont Technical College in 2019.

Mr. Shepherd has a background in construction as he grew up in a family that was involved with residential construction and painting. He worked for the family businesses as soon as he was old enough to do so. Since college, he has been working as a Quality Control Technician for Carroll Concrete. He also has experience performing construction inspection on Vermont Agency of Transportation projects.

Mr. Shepherd has basic surveying skills using a Total Station. His computer skills include the use of Bluebeam, AutoCAD, Carlson, ProCore, and Projects. He has good mathematical skills and understands construction plans. He has basic estimating and scheduling skills. He has good communication, organizational, problem solving, and leadership skills. He works well both as a member of a team and independently.

Inspector. Responsible for providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. S/he was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. S/he was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 05/22+.

Westminster IM 091-1(70), Windham County, VT. 03/22-11/24. Inspector. This project on Interstate 91 in the Town of Westminster was for the replacement of Bridges 21N and 21S over the Saxtons River and TH-1 (Saxtons River Rd (VT Route 121)) located a distance of ~2.4 miles north of Exit 5 along Interstate 91. Work performed for this project included removal and replacement of existing concrete bridge decks with a widened bridge deck resulting in two 4'8" wide shoulders and two 12-foot travel lanes for each bridge, repairs to the existing substructures, repainting of steel superstructure members, new F-shape bridge rail with Heavy Duty Steel Beam approach rails, installation of a new electrical protection system, and related approach roadway and channel work. Traffic will be maintained with the construction of temporary crossovers in phases which will transition both directions of traffic onto one bridge. *Client: VAOT; Daryl Bassett, Tim Pockette, and Vincent Polhemus (REs).*

## Prior Firm Experience

Carroll Concrete, Lebanon, NH. 03/21-03/22. Quality Control Technician. Mr. Shepherd's duties included testing concrete and performing gradations on the aggregates for concrete.

Kodiak Carpentry, Grantham, NH. 05/20-08/20. Laborer/Carpenter. Mr. Shepherd's duties include laboring and doing carpentry work for residential construction.

Daniels Construction, Ascutney, VT. 05/18-08/18 and 05/19-08/19. Laborer. Mr. Shepherd's duties were working as a laborer on earth works, bridge construction, and culvert replacements.

Phoenix Painting, Grantham, NH. 06/14-08/14, 06/15-08/15, 06/16-08/16, and 06/17-08/17. Painter. Mr. Shepherd's duties included interior and exterior painting and performing minor repairs.

# Robert E. Suckert, P.E.

Civil Engineer IV

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector/ Resident Engineer

**EDUCATION:**

*BS in Civil Engineering, Walla Walla University - 1989*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade 1 - 2023 (Anticipated Recertification)*
*NETTCP Concrete Inspector-2004*
*NETTCP Drilled Shaft Inspector-2021*
*NETTCP Driven Pile Inspector-2023*
*NETTCP HMA Paving Inspector-2022*
*NETTCP Soils and Aggregate Inspector-1999*
*Professional Engineer/VT-2022*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *4*
**TOTAL YEARS EXPERIENCE:** *34*

## Professional Profile

Mr. Suckert is an experienced civil engineer adept at managing the construction of large-scale public infrastructure in a cost-effective and safe manner. Mr. Suckert has extensive experience collaborating with large teams to implement successful problem-solving strategies. He has strong interpersonal skills, excellent customer relations, as well as personal management qualities. He has thorough knowledge of transportation engineering principals and is well versed in construction project safety.

Mr. Suckert has served as a Chief Inspector on the projects listed below.

Chief Inspector: As a Chief Inspector, Mr. Suckert's responsibilities included the administration, engineering, and inspection of the project. He was accountable for survey, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements, and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included. As Chief Inspector, he delegated duties to the Inspector(s) and the Office Engineer.

## Project Experience

Greenman-Pedersen, Inc. 04/19+.

Charlotte-South Burlington NH PS22(2), Chittenden County, VT. 08/22-10/23. Chief Inspector. This project on US Route 7 began at Charlotte Mile Marker 2.926 and extended northerly along US Route 7 a distance of 10.194 miles to South Burlington Mile Marker 1.719. Work performed for this project included coarse-milling, resurfacing with leveling and wearing course, pavement markings, guardrail improvements, signal improvements, and other highway related items. *Client: VAOT; Josh Hulett (RE)*

Ripton ER STP 0174(19), Addison County, VT. 05/22-09/22. Chief Inspector. This project on VT Route 125 in the Town of Ripton was located at 6 sites which began at Mile Marker 0.076 and extended easterly a distance of 1.974 miles to Mile Marker 2.064. Work performed for this project included slope stabilization, coarse-milling, leveling and wearing courses, new pavement markings, guardrail improvements, drainage improvements, and other related highway items. *Client: VAOT; Joe Knipes (RE)*

Colchester-Essex NH 030-1(34), Chittenden County, VT. 03/22-05/22. Chief Inspector. This project began at the intersection of VT 15 and Lime Kiln Road at Colchester Mile Marker 0.382 and ended at the intersection of VT 15 and Susie Wilson Road at Essex Mile Marker 0.566. Work performed under this project included construction of a new bituminous concrete shared use path, pedestrian signal modifications, signs, pavement markings, and other highway related items. *Client: VAOT; Chris Lavalette (RE).*

Burlington STP 2035(27), Burlington STP 2035(28), & Burlington VTRY(50), Chittenden County, VT. Chief Inspector.07/21-12/21. Burlington STP 2035(27) – This project was located in the City of Burlington at the intersection of King Street and the Vermont Railway Crossing (DOT Crossing Inventory No. 837-101B), approximately 0.04 miles west of the intersection of Battery Street and King Street. Work performed under this project included reconstruction of an existing at-grade railroad crossing including the replacement of the existing rail-highway crossing active warning system. This included all equipment, cables/wires, power source and meter, and signals and signal house and replacement gates. It also included new pavement markings, signs, and roadway approach work. Burlington STP 2035(28) – This project was located in the City of Burlington at the intersection of Maple Street and the Vermont Railway Crossing (DOT Crossing Inventory No. 837-100U), approximately 0.03 miles west of the intersection of Battery Street and Maple Street. Work performed under this project included reconstruction of an existing at-grade railroad crossing, construction of a new at-grade crossing for Amtrak, replacement of the entire active warning system, and roadway approach work. Burlington VTRY(50) – This project was located in the City of Burlington on the Vermont Railway from Mile Post 120.02, immediately south of the intersection with Home Avenue, and Mile Post 120.69, immediately south of the intersection with Lakeside Avenue, and from Mile Post 120.81, immediately north of the intersection with Lakeside Avenue, to Mile Post 121.63, immediately south of the intersection with Maple Street. Work performed under this project included the removal and replacement of approximately 3,500 track feet of continuously welded rail, removal and replacement of three No. 10 turnouts, removal and replacement of two existing turnouts with powered turnouts, and removal and replacement of a No. 8 turnout. *Client: VAOT; Ryan Sengebush (RE)*

Burlington STP 2035(15) C/2 & Burlington PLAT(3), Chittenden County, VT. Chief Inspector. 06/21-12/21. Burlington STP 2035(15) C/2 – This project was located in the City of Burlington at the intersection of College Street and the Vermont Railway Crossing (DOT Crossing Inventory No. 837-102H), approximately 465-ft west of the intersection of Battery Street and College Street. Work performed under this project included reconstruction of an existing at-grade railroad crossing, construction of new signals and gates, associated roadway approach work, construction of a new bike path on the western side of the railroad tracks, construction of a new retaining wall, reconstruction of the College Street Plaza, landscaping, signs, and other incidental items. Burlington PLAT(3) – This project was located in the City of Burlington on the Vermont Railway at approximate Mile Post 121.8 between King Street and College Street. Work performed under this project included construction of a low-level platform, moving and erecting an existing canopy, and approach paved walkway work. *Client: VAOT; Ryan Sengebush (RE)*

Vergennes STP PC20(1)/Bristol STP PC20(2), Addison County, VT. 05/20-10/20. Chief Inspector. The Vergennes project began on VT 22A at MM 0.000 and continued north to MM 2.189. Another section was on the Ferrisburgh State Highway and started at the VT 22A intersection and went to MM 0.666. Work to be performed on this project included coarse milling, resurfacing with leveling and wearing courses, signal system improvements, pedestrian safety improvements, guardrail, pavement markings, and other related highway items. The Bristol project began on VT 116 at MM 6.006 and continued north to MM 7.236. Work to be performed on this project included coarse milling, resurfacing with leveling and wearing courses, guardrail, drainage, removal and resetting of curbing, removal and replacement of sidewalks, imprinted sidewalk, paver bands and light poles, ornamental pedestrian streetlights, pavement markings, and other related highway items. *Client: VAOT; Chris Lavalette (RE)*

Bakersfield STP SCRP(11), Franklin County, VT. 10/20-12/20. Chief Inspector. This project is located on VT 108 began 0.22 miles south of the intersection with VT 36 and extended northerly through the Village of Bakersfield for a distance of 0.653 miles, to a point 150-ft north of the intersection with Egypt Road (TH 20). Work performed under this project included coarse-milling, full depth reclamation and resurfacing, correcting profile and superelevation deficiencies, installation of new drainage, curb, sidewalk, and other related highway items. GPI was responsible for the construction inspection on this project. *Client: VAOT; Chris Lavalette (RE)*

Colchester IM 089-3(69), Chittenden County, VT. 04/19-12/19. Chief Inspector. Work performed under this project included the replacement of the deck and railings on Bridges 76 (N&S) and Bridges 77 (N&S) on I-89. The decks were replaced using Accelerated Bridge Construction methods. The new decks were constructed using full width precast deck panels placed in 8-ft length segments. The project also included minor substructure repairs and other highway related items. *Client: VAOT; Chris Lavalette (RE)*

## Prior Firm Experience

Vermont Agency of Transportation – Construction Division, 10/89-12/18. Started as a Civil Engineer I – Finished career with VAOT as a Civil Engineer VIII. Mr. Suckert served as a Resident Engineer and Inspector on the following projects.

As a Resident Engineer he was responsible for the administration and inspection of the project including ensuring the project was constructed according to the contract documents and that all materials were in conformance with the specifications. Duties included ensuring that all work was accomplished in accordance with all safety and environmental regulations. He served as the single point of contact for all project matters during construction.

As an Inspector, he was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

AOT Construction Finals 1989-1990

- Finaling projects & project survey

Wilmington F 010 – 1(19) 1990-1991

- New State Highway Roadway Alignment Project
- Inspector/Office Engineer

AOT Structures - On loan Winter 1991

- Bridge design

Chester BRF F 016-1(3) 1992

- New State Highway Bridge Project
- Resident Engineer

Andover BHS 0132(5) 1992

- New Town Highway Bridge Project
- Resident Engineer

AOT Consultant Management – On loan, Winter 1992

- Planning Interstate bridge projects and reviewing Consultant designs.

Northfield BRS 0187(4) 1993-1994

- New State Highway Bridge Project
- Resident Engineer

AOT Consultant Management – On loan Winter 1993

- Planning Interstate bridge projects and reviewing Consultant designs.

Sharon TH 2504 1994-1995

- Rehab Town Highway Truss Bridge Project
- Resident Engineer

Randolph BRS 0147(4) 1995
- New State Highway Bridge Project
- Resident Engineer

Strafford TH 3807 1995
- New Town Bridge Project
- Resident Engineer

Randolph BRS 0147(14) 1996
- New State Highway Bridge Project
- Resident Engineer

Waterbury TH2 - 9535 1997
- New Town Highway Bridge Project
- Resident Engineer

Waterbury – Duxbury BHO 1446(20) 1997-1998
- Rehab Town Highway Truss Bridge Project
- Resident Engineer

Duxbury TH 2809 1997
- New Town Highway Bridge Project
- Resident Engineer

Georgia – Milton IM 089-3(26) 1998
- Interstate Roadway Reconstruction Project
- Inspector

Fairfax BHO 1448 (19) 1998-1999
- Rehab Town Highway Truss Bridge Project - $789,836.35
- Resident Engineer

Colchester IM IR 089-3(17) 1999
- Interstate Weigh Station Reconstruction Project - $468,933.64
- Resident Engineer

South Burlington IM DECK (36) & STP 2000-2003
- Interstate Bridge Rehab Project - $6,575,819.49
- Resident Engineer

Milton IM 089-3(31) 2000
- Interstate Bridge Rehab Project - $556,159.44
- Resident Engineer

Middlesex - Bolton AC IM 089-2(26) 2001-2002
- Interstate Bridge Rehab Project - $10,554,977.27
- Resident Engineer

Williston NH EGC 019-4(27) (PROJECT SHUT DOWN) 2004
- New State Highway Roadway Project - $31,823,223.84
- Resident Engineer

Shelburne 2004-2006
- State Highway Roadway Reconstruction Project - $19,030,204.41
- Resident Engineer

Waterbury – Bolton IM 089-2(37) 2006-2007
- Interstate Roadway Barrier Construction Project - $4,156,247.26
- Resident Engineer

Essex NH 2403(1) S 2006-2007
- State Highway Paving Project - $2,904,746.00
- Resident Engineer

South Burlington AC IM 089-3(37) 2006-2007
- Interstate Ramp Reconstruction Project - $2,625,107.50
- Resident Engineer

Moretown –Duxbury – Moretown AC STP 2507(1) S 2007
- State Highway Reclaim/Paving Project - $4,742,731.64
- Resident Engineer

South Burlington AC IM CULV (9) 2007
- Interstate Emergency Box Culvert Project – $2,795,017.58
- Resident Engineer

Johnson BRF 030-2(17) 2007-2008
- State Highway Bridge Project - $3,802,834.13
- Resident Engineer

Richmond – Colchester IM 089 – 2 (39) 2008-2009
- Interstate Paving Project - $9,343,758.97
- Resident Engineer

Montpelier – Montpelier 2009
- State Highway Paving Project - $2,850,358.50
- Resident Engineer

Statewide NHG MARK (203) 2009
- National Highway Marking Project - $378,935.00
- Resident Engineer

Moretown – Middlesex BRS 0284(14) 2009
- State Highway Bridge Project - $3,226,540.04
- Resident Engineer

Montpelier BHF 6400 (31) 2009-2010
- Town Highway Truss Rehab – $1,801,252.88
- Resident Engineer

Statewide NHG MARK (204) 2010
- National Highway Marking Project - $679,011.02
- Resident Engineer

Richmond STP RS 0284(11) 2010-2014
- Town Highway Truss Rehab – $13,957,436.55

- Resident Engineer

Waterbury – Waterbury STP 2607(1) & STP 2201(1) 2011

- State Highway Paving Project - $1,310,606.55
- Resident Engineer

Mont – Mont –Mont NH 2901(1) & STP 2902(1) & STP 2905(1) 2011 - 2012

- State Highway Paving Project - $1,875,549.10
- Resident Engineer

Burlington – South Burlington NH 2624(1) 2012 - 2013

- State Highway Paving Project - $3,531,931.00
- Resident Engineer

Burlington – South Burlington & Swanton-Highgate IM SURF (30) & IM SURF (28) 2012

- Interstate Highway Surface Treatment Project - $2,483,924.00
- Resident Engineer

Morristown STP F 029-1(2) C/1 2012 -2015

- State Highway Bridge Project - $8,140,481.48
- Resident Engineer

Morristown STP F 029-1(2) 2013 - 2015

- New State Highway Roadway Project - $10,250,589.31
- Resident Engineer

Hyde Park STP CULV (26) 2014 -2015

- State Highway Bridge Project - $1,521,176.73
- Resident Engineer

Stowe BRF 0235(11)

Town Highway Bridge Project- 2014-2015
Resident Engineer $2,615673.50

Middlesex BRF 024-1(37) 2015

- State Highway Bridge Project - $1,521,176.73
- Resident Engineer

Moretown ER STP 0167(15) 2015

- State Highway Roadway Project - $854,411.00
- Resident Engineer

Stowe BRF 0235(15) 2015 -2016

- State Highway Bridge Project - $1,521,176.73
- Resident Engineer

Granville STP 013-4(40) 2015-2016

- State Highway Roadway Project - $1,934,788.05
- Resident Engineer

New Haven BRF 0183(1) 2016

- Town Highway Bridge Project - $3,462,671.00
- Resident Engineer

Waitsfield BRF 013-4(39) 2016

- State Highway Bridge Project - $2,425,000.00
- Resident Engineer

New Haven RREW001B 2016

- Railroad Bridge Project - $1,521,176.73
- Resident Engineer

Hyde Park HES 030-2(34)(Re-ADV) 2016

- State Highway Roadway Project - $532,928.15
- Resident Engineer

Charlotte FEGC 019-4(20) -2018

- State Highway Roadway Project -$14,482,130.72
- Resident Engineer

Charlotte BO 1445(36) 2016

- Town Highway Bridge Project - $431,048.00
- Resident Engineer

Morristown STPG SGNL(47) 2016-2017

- State Highway Roadway Project - $931,497.90
- Resident Engineer

New Haven RREW001A – Ferrisburgh RREW001D(RE-ADV) 2017

- Railroad Bridge Project - $1,818,517.40
- Resident Engineer

Statewide Northwest Region STPG MARK(307) 2017

- State Highway Linestripping Project - $1,256,490.00
- Resident Engineer

New Haven RREW001C 2017

- Railroad Bridge Project - $1,256,490.00
- Resident Engineer

Weybridge-New Haven BF 032-1(19) 2017-2018

- State Highway Bridge Project - $3,436,577.70
- Resident Engineer

Middlebury-Starksboro STP 2953(1) 2017

- State Highway Paving Project - $6,118,598.25
- Resident Engineer

Waterbury-Stowe STP 2945(1)(RE-ADV) 2018

- State Highway Roadway Project - $24,634,060.90
- Resident Engineer

# Madison Suekert

Technician II

**PROPOSED PROJECT ASSIGNMENT**: Office Engineer/Inspector

**EDUCATION:**

*BS in Business Technology and Administration, Vermont Technical College, Randolph, VT – 2018*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade 1 – 2023 (Anticipated)*
*NETTCP HMA Paving Inspector – 2023 (Anticipated)*
*OSHA 10 Hour*

**YEARS WITH FIRM:** *1*
**TOTAL YEARS EXPERIENCE:** *5*

## Professional Profile

Ms. Suekert graduated from Vermont Technical College in the Spring of 2018 with a Bachelor of Science in Business Technology and Management. She had a 3.8 GPA, was on the President's List in the Fall of 2014, Spring of 2015, Fall of 2015, and the Spring of 2016, and on the Dean's List in the Fall of 2016, Spring of 2017, Fall of 2017, and the Spring of 2018.

Since graduating, Ms. Suekert worked at Ben & Jerry's for about a year and on the Kibidula Farm and Mission since 2019.

Beginning in 2022, Ms. Suekert has been performing construction inspection and office engineering for Vermont Agency of Transportation projects.

Inspector. Responsible for providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. S/he was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. S/he was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

Office Engineer: As Office Engineer, she was responsible for the administrative work for this contract. As Office Engineer, she was responsible for project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications and sampling, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights payroll issues.

## Project Experience

Greenman-Pedersen, Inc. 05/22+.

Statewide Southern Region STP CRAK(44), Multiple Towns and Counties, Southern Region, VT. 08/22-10/22. Inspector. This cracking sealing project included work on various State, US, and Interstate Highways within the Southern Region of the state. Work performed for this project included the routing and sealing of cracks in bituminous concrete pavement on existing State, US, and Interstate Highways and the appropriate traffic control. *Client: VAOT; Demetrio Gagnon (RE)*

Statewide Northern Region STP CRAK(43), Multiple Towns and Counties, Northern Region, VT. 07/11-10/22. Inspector. This cracking sealing project included work on various State, US, and Interstate Highways within the Northern Region of the state. Work performed for this project included the routing and sealing of cracks in bituminous concrete pavement on existing State, US, and Interstate Highways and the appropriate traffic control. *Client: VAOT; Demetrio Gagnon (RE)*

Williston NH 5500(18), Chittenden County, VT. 05/22-10/22. Inspector/Office Engineer. This project on VT Route 2A in the Town of Williston began at the Intersection with Hurricane Lane at Sonesta ES Suites Parking Lot and extended northerly 0.194 miles to end at the northern access drive for the Vermont State Police. Also, this project included work on a shared use path along the east side of VT Route 2A in the Town of Williston began at the Vermont State Police Barracks and extended southerly for a distance of 0.387 miles (2,045.08 ft) under the interstate to Hurricane Lane. Work performed for this project included constructing a new bituminous concrete shared use path, right turn lane for Interstate 89 North, traffic signal modifications, drainage modifications, signage, pavement markings and other highway related items. *Client: VAOT; Chris Lavalette (RE)*

## Prior Firm Experience

Kibidula Farm Office and Packhouse, Mafinga, Tanzania. 2020-2022. Human Resources and Compliance Manager. Ms. Suekert succeeded in preparing the farm to be GLOBALG.A.P. and G.R.A.S.P. certified. She was the Office Manager for a farm of up to 150 employees, managed floor production of packing avocados for export, was in charge of employee intake and all Human Resource activities including hiring and firing and gained experience in food safety and fruit export procedures.

Kibidula Mission, Mafinga, Tanzania. 2019-2020. First Grade Teacher. Ms. Suekert volunteered as a first-grade teacher at a school for impoverished children in Tanzania, created lesson plans for Religion, Mathematics, Reading, Writing, History, and Geography, and managed a classroom of 10 students.

GPI

Ben & Jerry's, Waterbury, VT. 2018-2019. Flavor Guru for Flavor Lab. Ms. Suekert created unique flavors for sampling exclusively on the factory tour, managed flavor lab, and gained experience in food safety and cleanliness according to manufacturing standards.

Ben & Jerry's, Waterbury, VT. 2016-2018. Scoop Shop Shift Lead. Ms. Suekert provided high level customer service which included understanding non-verbal cues, appreciating individual differences, and participating as an effective team member. She also managed money by cashing out 6 registers to secure $250, a change box of $500, and maintaining safe of $3,500. She also decorated stock cakes and detailed order cakes.

## Leadership & Volunteer Experience

Generation of Youth for Christ, Laguna Beach, CA. 2017-2019. Housing Coordinator. Ms. Suekert made hotel accommodations for staff, volunteers, and speakers for a conference of 5,000 attendees, e-mailed correspondence with outside vendors, and was the on-site convention housing facilitator,

Generation of Youth for Christ, Laguna Beach, CA. 2016-2019. Assistant Treasurer. Ms. Suekert performed bookkeeping work using QuickBooks software, totaled offerings collected at the conference and deposited at the bank and delivered offering appeal at conference.

Adventist-Laymen's Services & Industries, Columbia, MD. 2015-2016. Youth for Jesus Administrative Assistant. Ms. Suekert reviewed and accepted 50 applications of youth participants for five-week long summer program, corresponded with applicants about upcoming program and collected participant release and agreement forms, provided on-site logistical and administrative help for summer program, and encouraged and mentored teenagers to seek leadership roles within the program through public speaking and community outreach.

Adventist-Laymen's Services & Industries, Columbia, MD. Summer 2014. Youth for Jesus Children's Program Coordinator. Ms. Suekert managed a month-long program for children ages 5-10 at three different locations, created and developed content for children's programs that lasted two-hour periods, and facilitated an environment for teenagers to gain leadership experience through leading out in song, games, stories, and crafts.

# Cory Thompson
Technician II

**PROPOSED PROJECT ASSIGNMENT**: Inspector

**EDUCATION:**
*BS in Biology, University at Albany, Albany, NY - 2011*
*AAS in Massage Therapy, North Country Community College, Saranac Lake, NY - 2007*

**REGISTRATIONS/CERTIFICATIONS:**
*ACI Concrete Field-Testing, Grade 1 – 2023 (Anticipated)*
*NETTCP HMA Paving Inspector – 2023*
*OSHA 10 Hour*

**YEARS WITH FIRM:** *1*
**TOTAL YEARS EXPERIENCE:** *13+*

**PROFESSION AFFILIATIONS:**
*American Massage Therapy Association – 2007-2019*

## Professional Profile

Mr. Thompson earned a Bachelor of Science in Biology from the University at Albany in 2011. He was in a premed course of study focused on infectious disease, genetics, and evolution.

Mr. Thompson has experience in construction both as a construction inspector on Vermont Agency of Transportation projects and as a bridge carpenter and carpenter's assistant. He is proficient in the Microsoft Office Suite software and has laboratory skills.

Inspector. Responsible for providing direct inspection of the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. S/he was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. S/he was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 04/22+.

Clarendon-Rutland Town NHG SGNL(56), Rutland County, VT. 06/22-12/22. Inspector. This project in the Town of Clarendon was for the traffic signal at the intersection of US Route 7 and North Shrewsbury Road. Other traffic signals on this project were in the Town of Rutland at the intersections of US Route 7 and Windcrest Road, US Route 7 and US Route 4, and US Route 7 and Holiday Drive. Work performed for this project included replacement and modernization of traffic signal systems. *Client: VAOT; Chris Williams (RE)*

Fair Haven-Orwell STP FPAV(61), Rutland and Addison Counties, VT. 06/22-10/22. Inspector. This project on VT Route 22A in the Town of Fair Haven began at Mile Marker 0.000 and extended northerly 1.088 miles to Mile Marker 1.088. The project resumed at Fair Haven Mile Marker 2.234 and extended northerly 14.709 miles to Mile Marker 3.230 in the Town of Orwell. Work performed for this project included fine-milling and resurfacing the existing highway, pavement markings, and other related highway items. *Client: VAOT; Chris Achilles (RE)*

Shaftsbury STP FPAV(54), Bennington County, VT. 04/22-10/22. Inspector. This project on VT Route 7A in the Town of Shaftsbury began at Mile Marker 1.060 and extended northerly 3.040 miles to Mile Marker 4.100. Work performed for this project included fine-milling and resurfacing the existing highway, guardrail improvements, pavement markings, and other related highway items. *Client: VAOT; Chris Achilles (RE)*

## Prior Firm Experience

Kubricky Construction Corp. (D.A. Collins), Wilton, NY. 08/20+. Bridge Carpenter on the Middlebury WCRS(3) rail tunnel project. Mr. Thompson's responsibilities included construction and setting up of concrete forms, scaffolding, and handrails. He also performed repair and finishing of concrete structures while following OSHA standards and work site safety protocols.

Mathew Hellgeist, WA. 07/17-07/19. Carpentry Assistant. Mr. Thompson worked on the demolition of existing damaged structures, selection and acquisition of materials, fabrication of new structures (walls, floors, exterior), and priming and painting surfaces. He also assisted in work order sequences and job site preparation.

Various Jobs both Self-Employed and working for Businesses, WA & NY. Various Periods of Time between 07/09-07/19. Licensed Massage Therapist. Mr.

Thompson's duties included greeting clients, discussing injuries and medical needs, reviewing doctors' notes, and applying techniques for proper treatment, completing health intake forms, creating treatment plans, updating health records, and performing adaptive massage to meet the needs and expectations of clients. Mr. Thompson has also worked as a massage therapy instructor. He reviewed and taught the course material, demonstrated techniques, and administered tests. He also created or updated existing materials to supplement course work.

Derik Howard, Shoreline, WA. 01/17-01/19. Property Manager/Independent Contractor. Mr. Thompson managed rental properties. His duties included scheduling contractors and maintenance crews. He created spreadsheet data and account records for crew reimbursement. He also addressed any tenant issues on a 24/7 basis.

Center for Wooden Boats, Seattle, WA. 05/15-10/15. Maintenance Assistant. Mr. Thompson's duties included maintenance of facilities and wooden boats and the full restoration of antique boats. He supervised volunteers in educational and skill building while maintaining workflow.

Albany Medical Center - C5 Orthopedics, Albany, NY. 05/12-08/12. Personal Care Associate. Mr. Thompson was responsible for the daily care needs of patients (bathing, exercise, eating, etc.), assisting nurses with patients' treatments, recording vital signs, checking blood glucose levels, entering all data into the hospital database, and relaying needs of patients to nursing staff.

# Jeremy Tittemore

Technician III

**PROPOSED PROJECT ASSIGNMENT**: Inspector

**EDUCATION:**

*AAS in Construction Technology – Fulton Montgomery Community College, Johnstown, NY - 2010*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade 1 – 2023 (Anticipated)*
*Forklift Certified*
*JLG Lift certified*
*NETTCP HMA Paving Inspector – 2023 (Anticipated)*
*NY State Safety Certificate*
*OSHA 10*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *2*
**TOTAL YEARS EXPERIENCE:** *12+*

## Professional Profile

Mr. Tittemore has experience in construction inspection, materials testing, designing bituminous concrete pavement mixes, and quality control work. He is hard working, punctual, and eager to learn new skills or apply his existing skills.

Mr. Tittemore served as an Inspector, Chief Inspector, or Assistant Office Engineer on the projects listed below.

Inspector: As an Inspector, he was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item and documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

Office Engineer: As an Office Engineer, he was responsible for the administrative work for the projects, which included, but was not limited to, project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications, samples, and test results, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights issues.

Chief Inspector. Responsible for the administration, engineering, and inspection of the project. As Chief Inspector, s/he was accountable for surveys, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements, and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included. As Chief Inspector, s/he delegated duties to the Inspector(s) and the Office Engineer.

## Project Experience

Greenman-Pedersen, Inc. 04/21+.

Halifax-Whitingham STP FPAV(47), Windham County, VT. 07/22-10/22. Chief Inspector. This project on VT Route 112 in the Town of Halifax began at the Vermont/Massachusetts border at Mile Marker 0.000 and extended northerly for a distance of ~7.436 miles to the intersection of VT Route 112 and VT Route 100 at Mile Marker 1.590 in the Town of Whitingham. Work performed for this project included fine-milling and resurfacing the existing highway, guardrail improvements, pavement markings, and other related highway items. *Client: VAOT; Sheamus Fagan (RE)*

Fair Haven-Rutland Town NHG SIGN(70), Rutland County, VT. 10/21-07/22. Inspector. This project on US 4 EB and WB began in Fair Haven at MM 0.000, the Vermont-New York State Line, and extended easterly to MM 18.829 in Rutland Town, at the intersection of US 4 and US 7. Work to be performed under this project includes the removal of existing signs, signposts, overhead sign supports, and guardrail, and the installation of new signs, signposts, overhead sign supports, guardrail, and other highway related items. *Client: VAOT; Sheamus Fagan (RE)*

Statewide STP CRAK(42), Multiple Towns & Counties, Southern Region, VT. 09/21-10/21. Chief Inspector. This project includes the routing and sealing of cracks in bituminous pavement on existing state, US, and interstate highways in the northern region, as well as the associated traffic control. *Client: VAOT; Mark Mackintosh (RE)*

Fair Haven-Rutland Town NH SURF(64), Rutland County, VT. 07/21-09/21. Assistant Office Engineer. This project on US 4 EB and WB began in Fair Haven at MM 0.000, the Vermont-New York State Line, and extended easterly to MM 18.829 in Rutland Town, at the intersection of US 4 and US 7. Work to be performed under this project included fine-milling, paving with a ¾" bonded wearing course, guardrail improvements, drainage improvements, pavement markings, railroad crossing work, and other highway related items. The paving work will only be completed in the travel lanes between the existing shoulder rumble strips. The shoulders will receive a fog seal and cover coat to maintain the condition of the shoulder pavement and ensure proper surface friction characteristics. *Client: VAOT; Sheamus Fagan (RE)*

Whitingham STP FPAV(34), Windham County, VT. 04/21-07/21. Inspector. This project on VT 100 began at Mile Marker 2.600 and extended northerly 5.510 miles to Mile Marker 8.110. Work performed for this project included fine-milling and paving the existing highway, guardrail, pavement markings, and other highway related items. *Client: VAOT; Tucker Bumps (RE)*

## Prior Firm Experience

Gorman Group/Mohawk Asphalt Emulsions, Co., Amsterdam, NY. 2010-2021. Construction Lab Manager/Quality Control. Mr. Tittemore was responsible for a variety of lab duties including emulsion testing, viscosities, extractions, hot mix sampling, stabilities, and aggregate gradation testing. He also performed cold and hot mix designs, micro-surfacing mix designs, and chip seal designs. He also performed quality control activities including core drilling, compaction testing, and setting up traffic control packages.

Sears, Schenectady, NY. 2007-2010. Customer Service Advisor. Mr. Tittemore's duties included automotive parts sales and service.

# Richard Tittemore

Technician IV

**PROPOSED PROJECT ASSIGNMENT**: Resident Engineer/Inspector

**EDUCATION:**
*AAS/2000/Computer Information Systems*

**REGISTRATIONS/CERTIFICATIONS:**
*ACI Concrete Field-Testing Tech Grade I-2016*
*ATSSA Traffic Control Supervisor-2013*
*NETTCP Concrete Inspector-2012*
*NETTCP Drilled Shaft Inspector-2013*
*NETTCP Driven Pile Inspector-2014*
*NETTCP HMA Paving Inspector-2017*
*Nuclear Density Gauge*
*OSHA 10-Hour*
*OSHA Fall Protection 1926.500*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *17*
**TOTAL YEARS EXPERIENCE:** *18*

## Professional Profile

Mr. Tittemore is experienced in a variety of road, bridge, and railroad projects with an emphasis on paving and traffic control. His course work includes blueprint reading and principles of soils and masonry. He also has strong knowledge in residential and commercial construction.

Mr. Tittemore has served as a Resident Engineer or Inspector on the projects listed below.

Resident Engineer: As a Resident Engineer, Mr. Tittemore was responsible for the administration and inspection of the project including ensuring the project was constructed according to the contract documents and that all materials were in conformance with the specifications. Duties included ensuring that all work was accomplished in accordance with all safety and environmental regulations. He served as the single point of contact for all project matters during construction.

Inspector: As an Inspector, Mr. Tittemore was responsible for providing direct inspection of the performance of the work by the contractor and aided in the administration, engineering, and survey. He was responsible for inspection of the contractor's physical operations to ensure adherence to the specifications for each item, documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 04/06+.

Bennington STP BIKE(26)S, Bennington County, VT. 05/22-11/22. Resident Engineer. This project on the railbed of the former VRS Bennington Branch Line started at River Street and ended at Emma Street. Work to be performed under this project included construction of a 2,040 linear foot, 10-foot wide, aggregate surface course shared-use recreation trail, removing existing rail and ties, installing timber decking and railing on an existing railroad bridge, reconfiguring a traffic signal at the VT 7A/Kocher Drive intersection, and construction of a new railroad siding track. *Client: Town of Bennington; David Monks, Assistant Town Manager, dmonks@BennningtonVT.org, 802.447.9708*

Fair Haven-Rutland Town NH SURF(64), Fair Haven, Castleton, & Rutland, Rutland County, VT. 07/20-10/21. Inspector. This project on US 4 EB and WB began in Fair Haven at MM 0.000, the Vermont-New York State Line, and extended easterly to MM 18.829 in Rutland Town, at the intersection of US 4 and US 7. Work to be performed under this project included fine-milling, paving with a ¾" bonded wearing course, guardrail improvements, drainage improvements, pavement markings, railroad crossing work, and other highway related items. The paving work will only be completed in the travel lanes between the existing shoulder rumble strips. The shoulders will receive a fog seal and cover coat to maintain the condition of the shoulder pavement and ensure proper surface friction characteristics. *Client: VAOT; Sheamus Fagan (RE)*

Wilmington-Stratton STP PS19(7), VT. 08/19-10/19. Inspector. This is an 11.6-mile paving project on VT 100. Work to be performed under this project includes coarse-milling, resurfacing with leveling and wearing courses, guardrail improvements, drainage improvements, pavement markings, signing, and other highway related items. *Client: VAOT; Sheamus Fagan (RE)*

Manchester STP 2970(1)/Manchester STP BP15(5), VT. 06/19-07/19. Inspector. The Manchester STP 2970(1) project included 5 miles of VT 7A and 1.6 miles of VT 11. Work to be performed included cold planing and paving with leveling and wearing courses, a highway-railroad grade crossing reconstruction and rail signal improvements, drainage improvements, stop bar detection, pedestrian signal system modifications, signs, pavement markings, and other highway relayed items. The Manchester STP BP(15) project included 0.6 miles of Depot Street (VT 11/30, TH 3). Work to be performed included construction of new curbs and drainage features; installation of green strips including landscaping; reconstruction of sidewalk sections to meet ADA requirements; installation of street lighting conduit, bases, poles, luminaires, and electrical meters, and incidental construction features. *Client: VAOT; Chris Williams (RE)*

Bennington STP 2973(1)/Bennington NH 2966(1). Inspector. 2018. These were paving projects on US 7, VT 9, VT 67, and VT 67A. The work included cold planing, leveling, and wearing courses, and new signs. *Client: VAOT; Chris Williams (RE)*

St Albans STP 2957(1). Inspector. 2018. This was a paving project on US 7. The work included cold planing, leveling, and wearing courses, and new signs. *Client: VAOT; Scott Wheatley (RE)*

Rutland-Killington ER NH 020-2 (36). Inspector. 2017. This was a paving project on US 4. The work included cold planing, leveling, and wearing courses, guardrail, and new signs. *Client: VAOT; Tim Pockette (RE)*

Essex Junction NH 2956 (2)/Essex Junction STP 2956 (1). Inspector. 2017. This was a paving project on VT 15. The work included paving intermediate wearing courses, line striping, and new signs. *Client: VAOT; Josh Hulett (RE)*

Statewide STPG SIGN (57). Inspector. 2017. This was a sign project in the southwest region of VT along VT 103. *Client: VAOT; Tim Pockette (RE)*

**South Burlington-Williston NH 2944 (1).** Inspector. 2017. This was a paving project on US 2 and 2A. The work included cold planing, wearing course, and shoulder back up. *Client: VAOT; Josh Hulett (RE)*

STATEWIDE HES GARD(2). 2015-16. Chief Inspector. This was a guardrail project on VT 100, VT 30, and VT 12. *Client: VAOT; Tim Pockette (RE)*

Middlebury WCRS(9). 2016. Inspector. 2017. This was a railroad bridge rehabilitation project that consisted jacking up the bridge, installing a new footing, new precast pedestals, new bearings, and new stringers. *Client: VAOT; Tim Pockette (RE)*

Rutland City BRF 3000(16)/ Rutland City BRF 3000(19. Inspector. 2016. These were bridge replacement projects on River Street and Ripley Road. *Client: VAOT; Tim Pockette (RE)*

Statewide BF MEMB(35). Inspector. 2015. This was a bridge membrane project on US 4 in Fair Haven and West Rutland. The work included cold planing, removing bridge pavement, removing, and replacing of deteriorated concrete, applying new waterproofing membrane, paving, installing plug joints and hot poured joints, and pavement markings. *Client: VAOT*

STATEWIDE SW STPG SIGN(47). ). Inspector. 2015. This was a sign project on VT 30, 73, 74, and 125. *Client: VAOT*

Brandon-Middlebury NH SURF(43). Inspector. 2014. This was 15 miles of paving of a state highway using Paver Placed Surface Treatment (PPST). The work included removing vegetation under guardrail, cold planing side roads, replacing plug joints as needed, and pavement markings. *Client: VAOT*

Pownal-Bennington NH SURF(42). Inspector. 2014. This was 10 miles of paving of a state highway using Paver Placed Surface Treatment (PPST). The work included removing vegetation under guardrail, cold planing side roads, replacing plug joints as needed, and pavement markings. *Client: VAOT*

Rutland City-Proctor STP 2728(1). Inspector. 2014. This was a state highway paving project which included cold planing, leveling, and wearing courses, guardrail, new signs, drainage, recessed highway markings, and replacing the West St-US 4 Rail Crossing and Ripley Rd rail crossings. *Client: VAOT*

Warren-Waitsfield STP 2506 (1). Inspector. 2013. This was a reclaiming and paving project on 8 miles of VT 100. The work included trench excavation of rock, shoulder stabilization, underdrain installation, cold planing and stockpile millings to be used for future base course, reclaiming remaining asphalt, placing base course of cold mix and intermediate and wearing courses of pavement, guardrail, new signs, and highway markings. *Client: VAOT*

Addison - New Haven STP 9632 (1). Inspector. 2013. This project was a reclaiming and /paving of about 4 miles of VT 17. The work included cold planing chosen areas that had cracking at the center line of an intermediate course placed in 2012, replacing the intermediate course, placing the wearing course, replacing some guardrail that was damaged over the winter, new signs, and highway markings. *Client: VAOT*

West Rutland STP 2705(1). Inspector. 2012. This was a paving project of 8 miles of VT 4A. The work included cold planing, paving leveling and wearing courses using Intelligent Compaction (some with Warm Mix Asphalt and Foam), guardrail, new signs, and highway markings. *Client: VAOT*

Castleton Village STP 2908(1). Inspector. 2012. This was a paving project of a mile of VT 4A. The work included cold planing, paving leveling and wearing courses using Intelligent Compaction, guardrail, new signs, drainage, and highway markings. *Client: VAOT*

Castleton STP 2909(1). Inspector. 2012. This was a paving project of 5 miles of VT 30. The work included cold planing side road intersections, paving leveling and wearing courses using Warm Mix Asphalt, (using wax) with Intelligent Compaction, guardrail, new signs, drainage, and highway markings. *Client: VAOT*

Bennington NH SURF(29). Inspector. 2012. This was a paving project of 15 miles of limited access state highway using a Nova Chip surface treatment. The work included cold planing ends of ramps and U-turns, replacing plug joints as needed, and highway markings. *Client: VAOT*

Arlington STP 2334(1). Inspector. 2011. This was a paving project of 8 miles of highway. The work included cold planing, leveling paving course, wearing course, guardrail, new signs, drainage, and recessed highway markings. *Client: VAOT*

Arlington-Dorset STP 2625(1). Inspector. 2011. This was a paving project of 12 miles of VT 7A. The work included cold planing, paving leveling and wearing courses, guardrail, new signs, drainage, and recessed highway markings. *Client: VAOT*

Jamaica-VT 100 IRN0100-111 Site 100-019. Inspector. 2011. This was the reconstruction of 6 sites of VT 100 where Tropical Storm Irene had washed out the highway. The work included placing blasted ledge to rebuild and stabilize the riverbank/shoulder then rebuild road base, replace culvert pipes as needed, pave, and replace missing guardrail. *Client: VAOT*

Wardsboro-VT 100-IRN0100-243 MM 3.2. Inspector. 2011. This was the reconstruction of 14 sites of VT 100 where Tropical Storm Irene had washed out the highway. The work included placing blasted ledge to rebuild and stabilize the riverbank/shoulder then rebuild road base, replace culvert pipes as needed, pave, and replace missing guardrail. *Client: VAOT*

Statewide NHG MARK(202). Inspector. 2010. This project was the placement of recessed polyurea pavement markings from Manchester to Bennington on US 7 limited access highway, Rutland to Fair Haven on US 4 limited access highway and recessed thermo-plastic pavement markings from Bennington to the NY state line on VT 9. *Client: VAOT*

Clarendon BHO 1443(39). Inspector. 2010. This was the construction of a steel girder concrete bridge span on a rural highway that allowed access to all areas without the necessity of having to install a temporary span. The work included the reinforcement of both abutments, installation of the shear keys, construction of the bridge forms with the proper steel reinforcement, pouring of the deck, curtain walls, curbs, bridge rail and guardrail, paving, and pavement markings. *Client: VAOT*

Ripton Hancock STP 2803(1). Inspector. 2010. This project included the installation of underdrain and paving on VT 125. *Client: VAOT*

Cornwall STP EH 08(13). Inspector. 2010. This was a reclaim/paving project on VT 30 from Middlebury to Cornwall. The work included paving base and wearing courses after installation of new culverts and underdrain. *Client: VAOT*

Whiting-Middlebury STP 2629(1). Inspector. 2010. This was a paving project on VT 30 from Middlebury to Whiting. The work included paving leveling and wearing courses after installation of new culverts. *Client: VAOT*

Proctor-Middlebury STP WCRS(7). Inspector. 2010. This was a continuous welded rail project from Middlebury to Proctor. *Client: VAOT*

Arlington-Dorset-Jamaica-Sunderland BHF MEMB(20). Inspector. 2009. This was a bridge membrane project that consisted of removal of the existing pavement, removal and replacement of deteriorated concrete, replacement of bridge membrane, paving, installing new plug joints, and placement of pavement markings. *Client: VAOT*

Sunderland BRF 0114 2 S. Inspector. 2009. This was a bridge replacement project. *Client: VAOT*

# Jeffrey R. Warner

Technician IV

**PROPOSED PROJECT ASSIGNMENT**: Inspector

**EDUCATION:**

*AE in Civil Engineering Technology, Vermont Technical College - 2009*
*BS in Plant Science - 1979*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade 1 - 2019*
*ATSSA Traffic Control Supervisor - 2012*
*ATSSA Traffic Control Technician - 2012*
*NETTCP Concrete Inspector - 2016*
*NETTCP HMA Paving Inspector – 2015*
*NETTCP Soils & Aggregate Inspector - 2012*
*Nuclear Density Gauge*
*OSHA 10-Hour*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *14*
**TOTAL YEARS EXPERIENCE:** *14*

## Professional Profile

Mr. Warner's civil engineering background includes inspection, surveying, materials liaison, materials testing, hydraulics, drainage, AutoCAD 2007, and Carlson 2007. He received training from the Vermont Agency of Transportation Training Center in Roads and River Training in 2013. His business/management background provides experience in staff management, purchasing and inventory control, and budget management.

Mr. Warner served as an Inspector, Chief Inspector, and Resident Engineer on the projects listed below.

Inspector: As an Inspector, Mr. Warner was responsible for providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. He was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. He was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

Chief Inspector: As the Chief Inspector, he was responsible for the administration, engineering, and inspection of the project. As Chief Inspector, he was accountable for survey, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements, and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included. As Chief Inspector, he delegated duties to the Inspector(s) and the Office Engineer.

Office Engineer: As Office Engineer, he was responsible for the administrative work for this contract. As Office Engineer, he was responsible for project record compilation and documentation, entering Daily Work Reports in Site Manager, drafting change orders and written orders, monitoring certifications and sampling, setting up the field office utilities, maintaining concrete, weather, and rain gauge logs, and monitoring civil rights payroll issues.

Resident Engineer: As a Resident Engineer, Mr. Warner was responsible for the administration and inspection of the project including ensuring the project was constructed according to the contract documents and that all materials were in conformance with the specifications. Duties included ensuring that all work was accomplished in accordance with all safety and environmental regulations. He served as the single point of contact for all project matters during construction.

## Project Experience

Greenman-Pedersen, Inc. 06/09+.

Norwich STPG SGNL(57), Windsor County, VT. 07/22-05/23. Chief Inspector. This project on VT Route 10A in the Town of Norwich at the US Route 5 intersection began at Mile Marker 0.000 and extended easterly along VT Route 10A for a distance of 0.494 miles to the River Road intersection at Mile Marker 0.494. Work performed for this project included removal of existing traffic signal systems and the installation of new traffic signal systems including mast arm poles, controller cabinets, and related equipment at the intersections; MS-410 and MS-411 in the Town of Norwich. Also, this project included rehabilitation of existing traffic signal systems at the intersection MS-408 in the Town of Norwich. *Client: VAOT; Jay Strong (RE)*

Hartland-Norwich IM 091-1(84), Windsor County, VT. 04/22-10/22. Inspector. This project on Interstate 91 (Northbound and Southbound) began at Mile Marker 66.20 in the Town of Hartland and extended northerly a distance of 4.61 miles to Mile Marker 70.81. It resumed at MM 71.062 and extended north 4.19 miles to MM 75.252 in the Town of Norwich. Work performed for this project included fine-milling, surface preparation involving patching, pothole repair, crack sealing, overlaying with a thin bituminous surface treatment, pavement markings, guardrail improvements, and other related highway items. *Client: VAOT; Contact: Jay Strong (RE)*

Hartford STP PC21(4)/ Woodstock NH PC21(5)/Woodstock STP PC21(3), Windsor County, VT. 09/21-12/21. Inspector. Hartford STP PC21(4) – This project began on VT 14 in the Town of Hartford starting at Mile Marker 0.000 and extended northerly 1.477 miles to Mile Marker 1.477. It also included a section of US 4 beginning at Mile Marker 9.354 and extended easterly 0.230 miles to Mile Marker 9.584. Work performed for this project included coarse milling, resurfacing with leveling and wearing courses, signs, drainage rehabilitation, removal of overhead signs and structures, traffic signal upgrades, pavement markings, and other related highway items. Woodstock NH PC21(5) – This project began on US 4 in the Village of Woodstock starting at Mile Marker 5.623 and extended easterly

1.356 miles to Mile Marker 6.244. It also included a section of US 4 Westbound beginning at Mile Marker 6.059 and extended easterly 0.185 miles to Mile Marker 6.244. Work performed for this project included coarse milling, resurfacing with leveling and wearing courses, signs, drainage rehabilitation, pavement markings, and other related highway items. Woodstock STP PC21(3) – This project began on VT 106 in the Village of Woodstock starting at Mile Marker 6.553 and extended northerly 0.678 miles to Mile Marker 7.231. It also included a section of VT 12 beginning at Mile Marker 0.007 and extended northerly 0.714 miles to Mile Marker 0.721. Work performed for this project included coarse milling, resurfacing with leveling and wearing courses, signs, drainage rehabilitation, pavement markings, and other related highway items. *Client: VAOT; Jay Strong RE)*

Fayston STP FPAV(33), Fayston, Washington County, VT. 07/21-09/21. Chief Inspector. This project began on VT 17 in Fayston started at Mile Marker 0.000 and extended easterly 4.500 miles to Mile Marker 4.500. Work performed for this project included fine-milling, paving the existing highway, guardrail improvements, pavement markings, and other related highway items. *Client: VAOT; Tom Mancini (RE)*

Waterbury FEGC F 013-4(13), VT. 05/20-07/21. Inspector. Work performed under this project included the reconstruction of approximately one mile of Main St. (US 2) in the Village of Waterbury. This consists of removal of concrete roadway, new subbase, pavement, sidewalks, curbing, lighting, landscaping, tree removal, water, sewer, storm drainage, underground utilities, signage, pavement markings, and other highway related items. *Client: VAOT; Tom Mancini (RE)*

Waterbury-Richmond IMSURF (58) VT. 04/19-11/19. Inspector. Work performed under this project included surface preparation involving micro-milling, patching, pothole repair, crack sealing and overlaying with a thin bituminous concrete wearing surface on the existing interstate typical, guardrail, pavement markings and other highway related items. *Client: VAOT; Josh Hulett (RE)*

Statewide STP CRAK(36), Multiple Towns, Multiple Counties, VT. 04/19-06/19. Inspector. Work performed under this project included routing and sealing of cracks in bituminous concrete pavement on State, US, and Interstate highways and the appropriate traffic control. GPI provided construction inspection services. *Client: VAOT, Elise Coolbeth (RE)*

Material Acceptance Program/Materials Acceptance Updates, VT. 10/15-04/19. Consultant. Mr. Warner worked with numerous resident engineers and the Materials Acceptance Unit to enter materials into Site Manager, reviewed certifications, set-up project certification and testing requirements, wrote and reviewed Material Memos, corresponded with Resident Engineers, and closed out past projects. The work for this project took place at the VTrans Materials & Research Lab in Berlin, VT. *Client: VAOT; Philip Peloquin, Quality Assurance Manager*

Waterford IM SURF (47), VT. 2015. Inspector. Work performed under this project included surface preparation involving patching, pothole repair, crack sealing and overlaying with a thin bituminous concrete wearing surface on the existing interstate typical, pavement markings and other highway related items. *Client: VAOT; Jay Strong (RE)*

St. Johnsbury-Lyndon STP 2936 (1), VT. 2014-2015. Inspector. Project involved cold planing and resurfacing of the existing highway with a leveling course, wearing course, and in some locations base and/or intermediate courses, railroad grade crossings, new pavement markings, guardrail, signs and other highway related items. *Client: VAOT, Jay Strong (RE)*

Fairlee-Newbury IM SURF (40), VT. 2014. Inspector. Project involved surface preparation involving patching, pothole repair, crack sealing and overlaying with a thin bituminous concrete wearing surface on the existing interstate typical, pavement markings, and other related highway items. *Client: VAOT; Jay Strong (RE)*

Rutland City-Proctor STP 2728 (1), VT. 2014. Inspector. Project involved cold planing and resurfacing of the existing highway with a shim/leveling course and wearing course, new pavement markings, guardrail installation, drainage improvements, at-grade rail crossing rehabilitation, video vehicle detection systems, sidewalk ramps, new signs, and other highway related items. *Client: VAOT; Tim Pockette (RE)*

Town of Roxbury FEMA Repair to Steele Hill Road and Bull Run Road, VT. 2013. Acting Resident Engineer. Project involved traffic plan layout, removal of pavement at damaged locations, cast in place concrete headwall, hot mix asphalt placement, repair of guardrail, installation of new guardrail, roadway shoulder repairs, grass and stone swale repairs, turf establishment and removal of sediment debris. *Client: Town of Roxbury, VT*

Bradford STP 2917/2918 (1), VT. 2013. Inspector. Project involved cold planing, resurfacing with a leveling course and wearing course, new pavement markings, guardrail, rail-highway crossing, grass and stone swale repairs, sidewalk repairs, and other related highway items. *Client: VAOT; Jay Strong (RE)*

FEMA Repair to Route 132 and River Road, Town of Sharon, VT. 2012. Acting Resident Engineer. Project involved traffic plan layout, removal of pavement at damaged locations, repair of guardrail, installation of new guardrail, roadway shoulder repairs, grass and stone swale repairs, pavement markings and removal of sediment debris. *Client: Town of Sharon, VT*

Cabot-Danville FEGC F028-3(26) C/1, VT. 2011-2012. Inspector. Project involved reconstruction and widening of a portion of U.S. Route 2, including drainage, grading, subbase, pavement, related work, penstock replacement, stream relocation, precast box culvert and wetland mitigation site. *Client: VAOT; Jon Day (RE)*

Brookfield-Berlin IM SURF (11), VT. 2007-2010. Inspector. Project involved surface preparation involving patching, pothole repair, and crack sealing; or cold plane & pave on the existing Interstate 89 and applicable pavement markings. *Client: VAOT, Carl Fielder (RE)*

Barnet IM MEMB (17), VT. 2007-2010. Inspector. Project involved Interstate 91 bridge membrane deck rehabilitations involving the sounding/classifying and payment of Class I, II and III repairs along with ACI field testing. Superpave asphaltic concrete mix paving on membrane was also involved in the inspections. *Client: VAOT; Carl Fielder (RE)*

Bradford-Orange STP 2213(1), VT. 2007-2009. Inspector. Work to be performed under this project included cold planing and resurfacing of the existing highway with a leveling course and a wearing course, new pavement markings, guard rail, signs and other incidental items. *Client: VAOT; Carl Fielder (RE)*

Bradford-Ryegate IM MEMB (16), VT. 2007-2010. Inspector. Project involved Interstate 91 bridge membrane deck rehabilitations involving the sounding/classifying and payment of Class I, II and III repairs along with ACI field testing. Superpave asphaltic concrete mix paving on membrane was also involved in the inspections. *Client: VAOT; Carl Fielder (RE)*

Vermont Statewide IMG MARK (109), VT. 2007-2009. Inspector. Work performed under this project included new pavement markings including edge lines, lane lines, dashed and dotted acceleration lines, ramp edge lines, stop bars, letters and symbols and crosswalks. *Client: VAOT; Carl Fielder (RE)*

## Prior Firm Experience

State of Vermont's Department of Environmental Conservation, Montpelier, VT. 05/08-2015. Technician. Mr. Warner was responsible for CAD design work, specification writing, and surveying. This work was performed during the construction off seasons.

# Andrew Willette

Technician V

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector

**EDUCATION:**

*BS in Wildlife Management, SUNY at Cobleskill, NY - 1991*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade 1 – 2022*
*Class A Commercial Driver's License*
*NETTCP HMA Paving Inspector – 2021*
*NETTCP HMA Plant Technician - 2019*
*NETTCP QA Technologist - 2015*
*OSHA 10*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *3*
**TOTAL YEARS EXPERIENCE:** *29*

## Professional Profile

Mr. Willette has been performing construction inspection since 2020 on Vermont Agency of Transportation projects. Prior to starting with GPI, Mr. Willette had worked for the Vermont Agency of Transportation since 1994. As part of his duties in his earlier VTrans career he was responsible for all aspects of material acceptance testing associated with HMA asphalt. He conducted MSHTO, ASTM and in-house test methods to evaluate materials, and conducted annual inspections of all HMA asphalt plants. More recently Mr. Willette was a part of the Construction & Materials Section of Bituminous Concrete Materials Unit where he was responsible for planning, hiring of temporary employees, purchasing equipment, and ensuring stall receive all necessary training and equipment to perform their work safely and effectively. He is also a subject matter expert and industry liaison for hot-mix asphalt.

Mr. Willette has served as a Chief Inspector or Inspector on the projects listed below.

Chief Inspector: As Chief inspector, Mr. Willette was responsible for the administration, engineering, and inspection of the project. As Chief Inspector, he was accountable for survey, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements, and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included. As Chief Inspector, he delegated duties to the Inspector(s) and the Office Engineer.

Inspector: As an inspector, Mr. Willette was responsible for providing direct inspection to the performance of the work by the Contractor and aided in the administrative, engineering, and layout work. He was accountable for the inspection of the Contractor's physical operations to ensure the Contractor adhered to the specifications for each item. He was also tasked with the documentation of the contractor's activities including measurement, calculation, and reporting of all pay items.

## Project Experience

Greenman-Pedersen, Inc. 07/20+

Lyndon-Barton IM 091-3(55), Caledonia and Orleans Counties, VT. 04/22-11/23. Chief Inspector. This project on Interstate Route 91 (Northbound) in the Town of Lyndon began at Mile Marker 136.40 and extended northerly a distance of approximately 20.10 miles (106,128 ft) to Mile Marker 156.50 in the Town of Barton. The project also included Interstate Route 91 (Southbound) beginning in the Town of Lyndon at Mile Marker 136.50 and extended northerly a distance of approximately 20.00 miles (105,600 ft) to Mile Marker 156.50 in the Town of Barton. Work performed for this project included surface preparation involving patching, pothole repair, milling and paving with a leveling course followed by a wearing course on the existing interstate typical, pavement markings, guardrail rehabilitation, and other related highway items. *Client: VAOT; Mitchell Mason (RE)*

Chelsea-Thetford STP 2955(1), Orange County, VT. 09/21-10/21. Chief Inspector. This project on VT 113 began at Chelsea Mile Marker 0.000, the intersection with VT 110, and extended easterly for 14.824 miles to Thetford Mile Marker 0.805, the intersection with VT 224. Work performed under this project included reclaiming and/or coarse-milling segments of the existing highway, overlaying with intermediate and wearing courses, pavement markings, signs, guardrail and drainage improvements, and other highway related items. *Client: VAOT; Paul Perry (RE)*

Hartford-Sharon IM SURF (65) and (66), Windsor County, VT. 04/21-09/21. Chief Inspector. This paving project on Interstate 89 began at MM 0.000 in the Town of Hartford, the Vermont-New Hampshire State Line, and extended north to MM 12.245 in the Town of Sharon. The project was in both the Northbound and Southbound barrels. Work performed under this project included surface preparation involving patching, pothole repair, and crack sealing, fine milling and inlaying with bonded wearing course, pavement markings, guardrail, and other highway related items. *Client: VAOT; Contact: Seth Hisman (NE RCE)*

Sharon-Bethel IM 089-1(66), Windsor County, VT. 07/20-09/21. Chief Inspector. GPI provided construction inspection services. This paving project on Interstate 89 began at NB MM 12.245 in the Town of Sharon and extended north 13.099 miles through the Town of Royalton and ended at MM 25.344 in the Town of Bethel. In the southbound barrel the project began at SB MM 12.245 and extended north 13.160 miles and ended at MM 25.405. Work performed under this project included surface preparation involving patching, pothole

repair, and crack sealing, fine milling and inlaying with a thin bituminous concrete wearing course, pavement markings, guardrail rehabilitation, and other highway related items. *Client: VAOT; Seth Hisman (NE REC)*

## Prior Firm Experience

Vermont Agency of Transportation, Berlin, VT. 05/15-03/20. AOT Technician VIII. Mr. Willette maintained operational continuity within the VTrans Construction & Materials Sections' Bituminous Concrete Materials Unit: Responsibilities included: Strategic planning to assure the unit is prepared to execute core functions, work closely with leaders of other units, sections, and bureaus in the agency to determine future workload and direct staff to prepare for the workload. Hiring of temporary employees, consultants, authorizing overtime in addition to budgeting and advocating for the purchase of new equipment when necessary. Ensuring all unit staff receive the necessary training and equipment to perform their work safely and effectively. Specification Development: Develop and maintain hot-mix asphalt and related material specifications, facilitating routine partnering meetings with Vermont's paving industry to develop and update standard specifications used in the production and testing of hot-mix asphalt. Worked closely with leaders in the agency to identify improvements in the materials being specified and guide staff to prepare sampling and testing practices that ensure these new technologies can be implemented successfully. Subject matter expert: Function as the Agency and Industry liaison for hot-mix asphalt related issues and serve as the immediate point of contact for the Agency regarding the performance of hot-mix asphalt materials. Workforce Development: Facilitate knowledge transfer, succession planning, recruitment, and development of employees. Recommend or assign training to facilitate growth of staff. Promote knowledge transfer and cross-training within the unit as well as with other materials section staff. Provide regular structured performance evaluations providing feedback to all employees and ensure supervisors provide the same for their subordinates. Establish and encourage mentor/mentee relationships within and outside the unit.

Vermont Agency of Transportation, Berlin, VT. 08/10-05/15. AOT Technician VII. Mr. Willette scheduled and assigned field personnel for the inspection and testing of hot-mix asphalt for the Agency of Transportation, provided overall administration and supervision of the Hot-Mix Asphalt Field Unit ensuring that work was accomplished in a safe and efficient manner and staff received all relevant training and certifications, conducted annual inspections of all hot-mix asphalt plants that produce asphalt for the Agency of Transportation to ensure that all plants and associated testing laboratories were in compliance with Agency's "Qualified Laboratory Program" and specifications, and oversaw the preparation of annual reports, research efforts and off-season assignments.

Vermont Agency of Transportation, Berlin, VT. 09/94-08/10. AOT Technician II, III, IV & V. Mr. Willette was responsible for conducting all aspects of material acceptance testing activities associated with the production of Hot-Mix Asphalt on VTrans paving contracts, he conducted standard MSHTO, ASTM and In-House test methods to evaluate material compliance against Agency specifications, and conducted annual inspections of all hot-mix asphalt plants that produce asphalt for the Agency of Transportation to ensure that all plants and associated testing laboratories were in compliance with Agency's "Qualified Laboratory Program" and specifications.

# Edward Mark Douglas Woolaver

Civil Engineer IV

**PROPOSED PROJECT ASSIGNMENT**: Chief Inspector

**EDUCATION:**

*BS in Civil Engineering, University of New Brunswick - 1998*
*Civil Engineering Technology, New Brunswick Community College - 1994*

**REGISTRATIONS/CERTIFICATIONS:**

*ACI Concrete Field-Testing Technician, Grade 1 - 2020*
*NETTCP HMA Paving Inspector – 2022*
*Nuclear Density Gauge – RSO Cert*
*OSHA 10*
*VOSHA COVID-19 Workplace Protection*

**YEARS WITH FIRM:** *4*
**TOTAL YEARS EXPERIENCE:** *34*

**PROFESSIONAL AFFILIATIONS:**

*AASHTO / ARRA, Lead Member*
*AASHTO EDC, Lead States Member*
*AOT Guard Rail, Committee Member*
*AOT NETTCP, Coordinator / Member*
*AOT Pavement Design, Committee Member*
*AOT Pavement Marking, Committee Member*
*AOT Standard Drawings, Committee Member*
*AOT Standard Specifications for Construction, Committee Member*
*NEAUPG, Member*
*NESMEA, Member*
*PAV / AOT Committee, Lead Member*
*Pavement Working Group, Lead Member*

## Professional Profile

Mr. Woolaver has worked for GPI since 2019, as a Chief Inspector, after 30 years with the Vermont Agency of Transportation. Mr. Woolaver is capable and comfortable of working independently with minimum supervision and committed to responding wherever the need may be. He is a professional and motivated individual who consistently performs in challenging environments. Mr. Woolaver is an active member of many committees and is comfortable performing presentations, trainings, and public speaking. Mr. Woolaver served as Chief Inspector on the projects listed below.

Chief Inspector: As a Chief Inspector, he was responsible for the administration, engineering, and inspection of the project. He was accountable for surveys, including initial project survey, verifying the contractor's layout during construction, and taking cross sections to determine pay quantities. Other duties included monitoring field operations, verifying field measurements, and coordinating sampling. Traffic control, safety issues, public meetings, and general communication and documentation duties were also included. As Chief Inspector, he delegated duties to the Inspector(s) and the Office Engineer.

## Project Experience

Greenman-Pedersen, Inc. 04/19+.

Richmond-Bolton STP 2924(1), Chittenden County, VT. 06/22-06/24. Chief Inspector. This project on US Route 2 began at Richmond Mile Marker 0.000 and extended easterly a distance of 8.261 miles to Bolton Mile Marker 1.866. Work performed for this project included coarse-milling bituminous pavement, concrete subsurface slab removal, subbase, base course, intermediate course, and wearing course of pavement, correcting superelevation deficiencies, pavement markings, guardrail improvements, drainage improvements, culvert replacements, signs, traffic signal improvements, and other related highway items. *Client: VAOT; Josh Hulett (RE)*

Williston STP SCRP(17), Chittenden County, VT. 07/21-07/22. Chief Inspector. This project on VT Route 2A in the Town of Williston began at Mile Marker 3.938 and extended northerly for a distance of ~0.009 miles (45.00 ft) to Mile Marker 3.946. Work performed for this project included replacement of the existing culvert with a new 42" culvert, headwalls, channel stabilization, concrete sidewalk replacement, and other roadway related items. *Client: VAOT; Kara Yelinek (RE)*

Williston STP M 5500(7)S, Chittenden County, VT. 03/21-06/22. Chief Inspector. GPI provided construction inspection services for this project. This project began on U.S. 2 approximately 0.017 miles east of the South Burlington-Williston Town Line and extends east 0.289 miles. Work on this project includes highway reconstruction, realignment and widening of U.S. 2 and Industrial Avenue including grading, drainage, subbase, pavement, utilities, and other highway related items. *Client: VAOT; Josh Hulett (RE)*

North Hero-Grand Isle BHF 028-1(26); Grand Isle County, VT. 12/20. Chief Inspector (Night Shift). GPI provided construction inspection and claims analysis services for this project. This project on US 2 is for the replacement of Bridge 8. This drawbridge is a historic twin leaf bascule bridge and is the only moveable bridge in the State of Vermont. The contractor was required to build a temporary drawbridge prior to replacing the existing drawbridge, so that impacts to vehicular traffic were minimized. The project was contracted following the Construction Manager/General Contractor (CMGC) process. *Client: VAOT; Taylor Waring (RE)*

Underhill-Cambridge STP PS19(11)/Cambridge CMG PARK(40), Chittenden and Lamoille Counties, VT. 04/20-11/20. Chief Inspector. The Underhill-Cambridge paving project began on VT 15 at Underhill MM 4.347 and extended 8.496 miles through Westford to Cambridge MM 5.071. Work to be performed under this project included coarse milling, cold-in-place recycling, resurfacing with leveling and wearing courses, signs, guardrail, drainage, pavement markings, and other related highway items. The Cambridge Park and Ride project was located on the south side of VT 15 just east of the intersection of VT 15 and VT 104. Work to be performed under this project included upgrades to the existing facility with LED lighting, EV charging station outlets, pavement markings for 20 parking spaces, a bus shelter, bike rack, and other amenities. *Client: VAOT; Josh Hulett (RE)*

Burlington STP 2035(15) C/1, Chittenden County, VT. 10/20-11/20. Chief Inspector. This project was in the City of Burlington at the intersection of College Street and the Vermont Railway (DOT Crossing Inventory No. 837-102H), approximately 465-ft west of the intersection of College Street and Battery Street. Work to be performed under this project included the construction of new drainage infrastructure in advance of the future railroad crossing improvements at this location. *Client: VAOT; Ryan Sengebush (RE)*

Georgia ER E20-1(824), Franklin County, VT. 02/20-03/20. Chief Inspector. This project was located on Interstate 89 at MM 106.7. This was an emergency project on Bridge 85-1. The project involved rehabilitating a 580-ft long, 11-ft-7" by 10-ft-6" corrugated galvanized metal plate pipe culvert under an average of 17-ft of fill. There was piping through the deteriorated invert of the pipe that was causing a sink hole and to the closure of the travel lane of the northbound barrel. Work to be performed under this project included installing a 9-ft diameter slip liner and mortar injections to repair areas of settlement with traffic maintained on crossovers. Directional drilling was used for the dewatering operation. In addition, a beveled headwall was constructed at the inlet and baffles were installed inside the culvert liner and weirs downstream to ensure the movement of aquatic species. *Client: VAOT; Chris Lavalette (RE)*

Essex-Underhill STP PS19(6), VT. 05/19-01/20. Chief Inspector. Work performed under this project included milling and resurfacing with a leveling and wearing course, pavement markings, guardrail and drainage improvements, and other highway related items on 13 miles of VT 15. *Client: VAOT; Josh Hulett (RE)*

Essex NH 2931 (2) & Jericho-Richmond STP 2931 (1). 04/19-11/19. Chief Inspector. Work on this project included cold planing, reclaiming with emulsion injection, correcting superelevation deficiencies, resurfacing with base course of cold mix, intermediate and wearing courses of hot mix, pavement markings, guardrail, drainage, and other related highway items on 6.8 miles of VT 117. *Client: VAOT; Josh Hulett (RE)*

## Prior Firm Experience

Vermont Agency of Transportation, Montpelier, VT. 10/07-04/19. Construction and Materials Paving Engineer. Mr. Woolaver is currently independently responsible to cover the State of Vermont as the subject expert in the field of various highway construction activities and HMA bituminous paving operations. His day-to-day activities throughout the State serve to ensure consistency and protect the annual State investment of the current $110M program. He reported on a periodic basis to management personnel. *Client: VAOT*

Vermont Agency of Transportation, Montpelier, VT. 08/97-10-07. Highway Design Project Manager. Mr. Woolaver was independently responsible for a Project Supervisor Design staff of six State personnel along with administering six consultant 3-year retainer Contracts of $3M/Contract. He was responsible for guiding the annual design of the program through to success and completion such that the annual program would be completed. Also responsible for reviewing and drafting, for management review, VAOT Policy ensuring the program goals were met, successful, and in line with FHWA requirements. He reported on a periodic basis to management. *Client: VAOT*

Vermont Agency of Transportation, Montpelier, VT. 12/94-08/97. Highway Design Project Supervisor. At the request of in-house management, he was transferred to this position from the field position. In this capacity, he was responsible for the review of consultant designed project plans and performed Contract processing of the State's annual paving/roadway program. He worked independently with consultant designers to ensure compliance with Vermont State Standards and to ensure the approximate $75M program would be successful. *Client: VAOT*

Vermont Agency of Transportation, Montpelier, VT. 05/91-12/94. Highway Construction Inspection Engineer. Mr. Woolaver was independently responsible for the inspection and documentation of construction activities to ensure operations followed compliance with all Contracted Plans and Specifications. He reported to the project Resident Engineer on an as needed basis to update on construction progress. Notable projects included the inspection of US 7 in Charlotte as well as the full depth reconstruction of Dorset St. in So. Burlington which included all underground utility, drainage, and appurtenances. He was also concurrently responsible for the inspection of intersection signal and resurfacing projects. *Client: VAOT*

Vermont Agency of Transportation, Montpelier, VT. 11/88-05/91. Highway Design Engineer. Mr. Woolaver was independently responsible for the design of Highway improvement projects under general supervision. Projects included the full depth reconstruction and surface treatments on both urban and rural routes throughout the State of Vermont. Examples of such were the full depth design of a major collector in So. Burlington VT (Patchen Road) including all drainage and utility features. Also included as an example was the design and subsequent construction inspection of a PCC rehabilitation project on US 7 in Charlotte which included the design and construction a crack and seat procedure never performed in the State. *Client: VAOT*

## Recent Speaking / Presentation Activities

- AOT Construction Consultant Inspection Training
- AOT Construction and Materials Spring Meeting
- NESMEA / NEAUPG – IC and Quality in Construction
- Maine DOT Invitational / Consultant – Peer advise on Construction Project Failures
- 1st National FHWA Conference on IC Experiences
- SHRP / EDC HfL Showcase of IC, WMA, Quality in Construction, Safety Edge to NE States
- EDC Representative for VAOT on IC and AMG / 3D Modeling
- NH DOT Paving Association / Consultant on Paving Practices
- NVDA / Best Contracting and Construction Practices

- SHRP2 / FHWA Kickoff – History of FDR in Vermont
- FDR Technical Presentation for AOT Construction RE's
- ICDM Presentation for AOT RE's and Contractors
- GPI Consultant Spring Meeting – General Presentation, IC, Best Practices
- Penn DOT Invitational IC Presentation
- STIC / Briefs RE IC and AMG to Exec staff and FHWA
- Pike Industries Managers Spring Meeting / Vermont Expectations / IC / Quality in Construction
- FHWA / SHRP Southern States invite closed door meeting / R07 Performance Related Specifications
- ARRA NE States Conference Organizer / Performance Related Specs and field demos
- FHWA SHRP Peer to peer Exchange – Performance Related Specs
- FHWA / SHRP Western States Open Door Technical Exchange / SHRP2 R07

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