

Nydia Lugo, Technical Development Engineer
State of Vermont
Agency of Transportation, Municipal Assistance Bureau
One National Life Drive
Montpelier, VT 05633-5001

January 5, 2017

RE: At-The-Ready Consulting Engineering Services for Municipalities

Dear Ms. Lugo:

GPI/Greenman-Pedersen, Inc. is pleased to submit our Qualifications to VTrans to provide **Construction Inspection Services** for the municipalities in the State of Vermont. GPI is a multi-disciplined firm with a proven record of providing high quality engineering and construction services for over 50 years. We maintain a permanent staff of 1,300+ professionals and many of our staff specializes 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 have been working closely with VTrans since 1996. Over the past 20+ years, we have grown with the agency and our services have expanded considerably. Under our current contract, we are providing not only construction inspection, but also public relations specialists, administrative support, owner's representation on design-build projects, materials testing, and assistance in the Finals Unit. 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; and hope to provide the same services for municipalities in the State of Vermont.

This Proposal includes general firm information, team's qualifications in providing construction inspection services, resumes of key GPI staff, experience with municipalities, understanding of the scope of work for locally managed projects, and other information that demonstrates our firm's qualifications. We are confident that the GPI Team is the most qualified to provide Construction Inspection Services and can offer municipalities the following advantages:

- ✓ Access to a large and diverse construction inspection staff with significant experience on Vermont projects;
- ✓ Access to a wide variety of support services, including public relations, administrative support, schedule and claims analysis, materials testing, etc.;
- ✓ Native Vermonters to staff any municipal construction inspection project;
- ✓ Familiarity with regulatory agencies, public and private utilities, and local community groups;
- ✓ Familiarity with VTrans construction procedures, policies, manuals and requirements; and,
- ✓ Dedicated Construction Supervisors to oversee our staff and provide Quality Assurance.

We appreciate the opportunity to submit this Proposal and we hope it clearly reflects our firm's ability and enthusiasm to perform Consulting Inspection Services for the municipalities in the State of Vermont.

Enclosed are one (1) electronic copy and ten (10) bound copies of our technical proposal for review and consideration.

Sincerely,

GPI/Greenman-Pedersen, Inc.



Patrick A. Kenneally, PE

Branch Manager | Executive Vice President

Qualifications
Due January 06, 2017, 2:00PM

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



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SECTION 1.

General Firm Information



General Firm Information

Introduction

GPI/Greenman-Pedersen, Inc. is pleased to submit this Proposal to VTrans and is very interested in performing **Construction Inspection Services** to assist municipalities with ATR services for local transportation improvement projects. GPI was established in 1966 and is a multi-discipline firm with a proven record of providing high quality services for 50+ years and maintains a permanent staff of 1,300+ professionals specializing 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 has been working closely with VTrans since 1996. When VTrans awarded GPI the first of our ten consecutive term agreements, our sole focus was providing construction inspectors. Over the past 20 years, we have grown with the agency, and the services GPI provided have expanded considerably. Under our current contract we are providing not only construction inspection, but also public relations specialists, administrative support, owner's representation on design-build projects, materials testing, and assistance in the Finals Unit. 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 with 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 are currently working in the State of Vermont. GPI's Principal-In-Charge and contact information are as follows:

Mr. Patrick Kenneally, P.E., Branch Manager

80 Wolf Road, Suite 300, Albany, NY 12205

Phone: 518.453.9431; E-mail: pkenneally@gpinet.com

GPI is not proposing any sub-consultants at this time. However, if a specialized company is required where we do not have the expertise (cultural resource study, material sampling and testing, etc.) we will solicit proposals from several companies and pre-select the most qualified. As part of GPI solicitation process, GPI will invite DBE firms to provide a proposal and cost and comply with Appendix E of the Municipal Assistance Bureau Local Projects Guidebook. Approval from the municipality and VTrans will be obtained prior to hiring any sub-consultant to assist us on a particular project.

GPI understands that the State of Vermont would like to select up to six (6) consultants to perform services in each of the three categories stated in the RFQ (Design, Municipal Project Management, and Construction Inspection), which the municipalities can utilize to hire a consultant for their projects. The intent is to develop a pre-qualified list of consultants for each category to make it easier and quicker for municipalities to move their projects forward, and also insure that the firms have the necessary capabilities to perform the services. Once the consultants are selected for the three categories, the municipalities may then send out an RFQ for their particular project, which typically includes the following:

- ◀ Project Location and Description;
- ◀ Scope of Work;
- ◀ Construction Inspection Needs;
- ◀ Materials and Equipment and Testing;
- ◀ Contract Period;
- ◀ Consultant Selection Criteria; and,
- ◀ Contract Requirements.

Based upon the municipality's evaluation of each proposal, they can then select the most qualified consultant. The Scope of Work is then finalized and the cost for the engineering services has been agreed upon, then the municipalities can enter in a contract with the consultant with approval from VTrans. We also understand that the maximum total dollar amount that can be awarded to a consultant for Construction Inspection Services is \$1,500,000.

Understanding of Federal Aid Local Projects Procedures

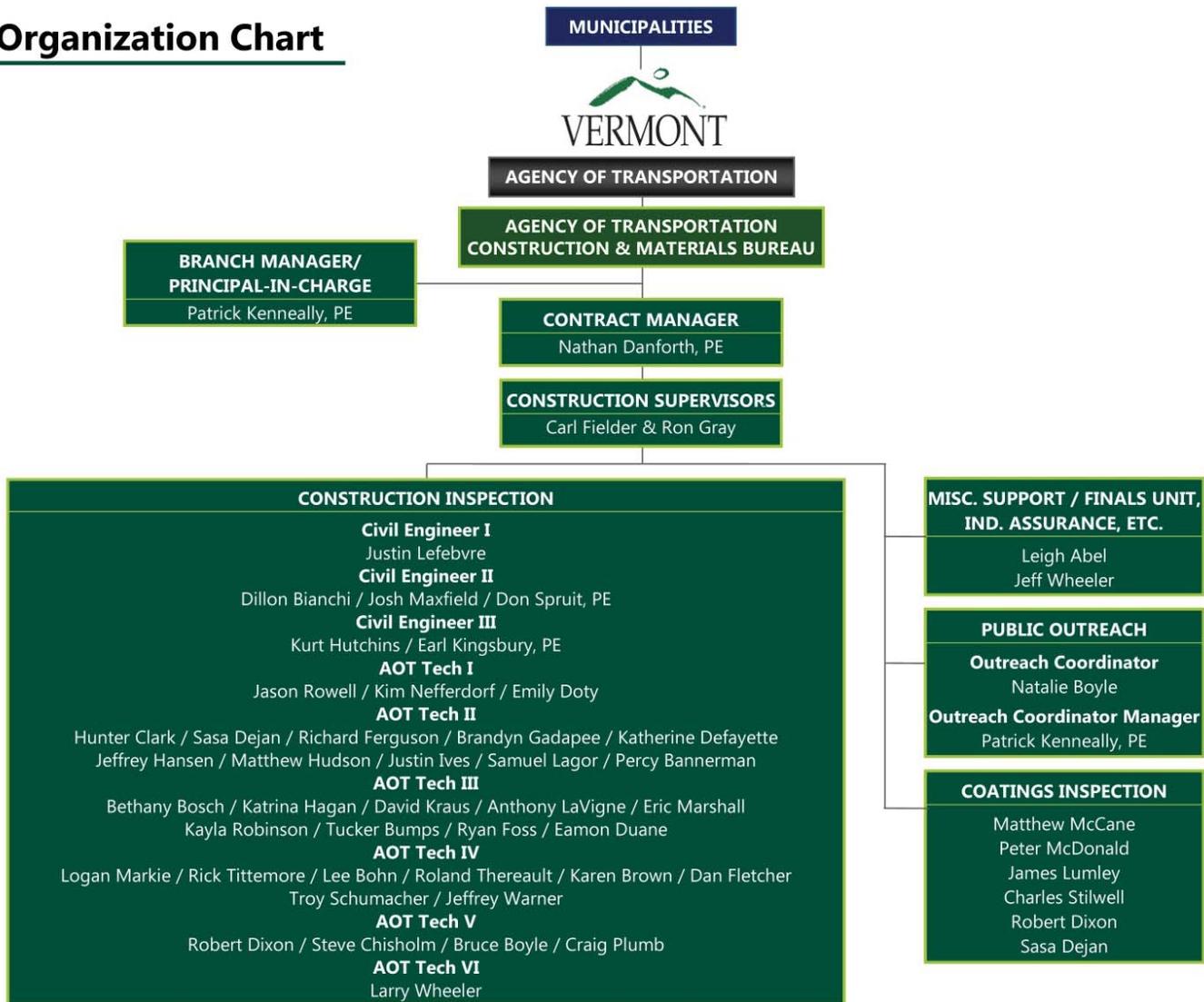
VTrans Municipal Assistance Bureau has developed a Local Projects Guidebook for Locally Managed Projects, which serves as the basis for administering federal-aid projects. This document describes project set-up and requirements that includes project account and agreement; municipal share of project costs; invoice billing; selection of a municipal project manager; selection of a design consultant; procurement procedures for non-construction services; requests for qualifications and proposals and selection process; scope of work; proposal evaluation and selection; project audit requirements; retention and access of project records; and initial project set-up checklist. The Local Projects Guidebook for Locally Managed Projects also describes Project Definition, Project Design and Construction process. We are very familiar with this document and have a complete understanding of the process to implement a municipal federal-aid project.

Once GPI is selected to provide Construction Inspection Services, a detailed scope of work will be prepared that includes staffing needs and project duration. With respect to the construction phase of a project, GPI may be asked by the municipalities to assist in the construction procurement process that includes preparing/reviewing invitation for bids; checking to prequalified list of construction contractors; confirm that the construction bid documents include construction bonds; attend the bid opening; perform a bid review and analysis, and provide a recommendation as to the lowest responsible bidder; assist in finalizing a contract between the contractor and municipality; attend and assist in facilitating the pre-construction conference; prepare and distribute meeting minutes; and making sure that all permits and clearances have been secured before start of construction. Once construction commences and depending on the needs of the project, GPI Scope of Work will be clearly outlined with respect to the requirements and expectations. Duties of the construction inspection may include the following:

- ◀ Construction Management Personnel, including:
 - Chief Inspectors – each project’s Chief Inspector 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 Resident Engineer is kept well informed. The Chief Inspector 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. The Chief Inspector will report to the Resident Engineer/Town’s representative.
 - 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 Chief Inspector.
 - Office Engineers (OE) – For large projects, we can have a designated OE, who can be someone other than the RE, Chief Inspector, or inspector. An OE would report to the Chief Inspector. The OE will be responsible for a wide range of administrative and documentation tasks, all of which are outlined in the Field Assignment Matrix.
- ◀ Assistance to the Municipality in the contract reconciliation process – This work includes checking and verifying construction contract quantities have been organized, calculated and documented by a writer and initialed by reviewer; review and digital updated record drawings on MicroStation; review and archiving the required documentation listed on the VTrans Project Close out Checklist for a particular project, which can then lead to termination of contractual agreements; support field construction staff with preparations of extension of times, written orders and change order/supplement agreement documentation;

We are completely accustomed to working with VT Standard Specifications, Construction Manual, Materials Sampling Manual, and Route Survey Manual. Throughout our history working with staff at VTrans, we have established an excellent working relationship which has resulted in projects being completed on time, on budget and perhaps most importantly work was performed by the various contractors as per the plans and specifications and therefore the quality of work was excellent. Below is our proposed Organization Chart that includes key staff members that could be utilized for a municipal project.

Organization Chart



Staff Availability

<i>Name</i>	<i>Proposed Role</i>	<i>Availability</i>
Nathan Danforth, PE	Director of Construction Services	100% available for projects
Carl Fielder	Sr. Construct. Inspect. Supervisor	100% available for projects
Ron Gray, PE	Construction Inspect. Supervisor	100% available for projects
Patrick Kenneally, PE	Principal Eng./Outreach Manager	100% available for projects
Leigh Abel	Tech V	Available starting in 2018
Percy Bannerman	Tech II	100% available for projects
Dillon Bianchi	CE II	100% available for projects
Lee Bohn	Tech IV	100% available for projects
Bethany Bosch	Tech III	100% available for projects
Bruce Boyle	Tech V	100% available for projects
Natalie Boyle	Outreach Coordinator	100% available for projects
Karen Brown	Tech IV	100% available for projects
Tucker Bumps	Tech II	100% available for projects
Steve Chisholm	Tech V	100% available for projects
Hunter Clark	Tech II	100% available for projects

<i>Name</i>	<i>Proposed Role</i>	<i>Availability</i>
<i>Katherine Defayette</i>	<i>Tech II</i>	<i>100% available for projects</i>
<i>Sasa Dejan</i>	<i>Tech II</i>	<i>100% available for projects</i>
<i>Robert Dixon</i>	<i>Tech V</i>	<i>100% available for projects</i>
<i>Emily Doty</i>	<i>Tech I</i>	<i>100% available for projects</i>
<i>Eamon Duane</i>	<i>Tech III</i>	<i>100% available for projects</i>
<i>Richard Ferguson</i>	<i>Tech II</i>	<i>100% available for projects</i>
<i>Daniel Fletcher</i>	<i>Tech IV</i>	<i>100% available for projects</i>
<i>Ryan Foss</i>	<i>Tech III</i>	<i>100% available for projects</i>
<i>Brandyn Gadapee</i>	<i>Tech II</i>	<i>100% available for projects</i>
<i>Katrina Hagan</i>	<i>Tech III</i>	<i>100% available for projects</i>
<i>Jeffrey Hansen</i>	<i>Tech II</i>	<i>100% available for projects</i>
<i>Matthew Hudson</i>	<i>Tech II</i>	<i>100% available for projects</i>
<i>Kurt Hutchins</i>	<i>CE III</i>	<i>100% available for projects</i>
<i>Justin Ives</i>	<i>Tech II</i>	<i>100% available for projects</i>
<i>Earl Kingsbury, PE</i>	<i>CE III</i>	<i>100% available for projects</i>
<i>David Kraus</i>	<i>Tech III</i>	<i>100% available for projects</i>
<i>Samuel Lagor</i>	<i>Tech II</i>	<i>100% available for projects</i>
<i>Anthony LaVigne</i>	<i>Tech III</i>	<i>100% available for projects</i>
<i>Justin Lefebvre</i>	<i>CE I</i>	<i>Available starting in 2018</i>
<i>Logan Markie</i>	<i>Tech IV</i>	<i>100% available for projects</i>
<i>Eric Marshall</i>	<i>Tech III</i>	<i>100% available for projects</i>
<i>Joshua Maxfield, EIT</i>	<i>CE II</i>	<i>100% available for projects</i>
<i>Matthew McCane</i>	<i>Chief Coatings Inspector, Tech VI</i>	<i>100% available for projects</i>
<i>Peter McDonald</i>	<i>Coatings Inspector, Tech V</i>	<i>100% available for projects</i>
<i>Kim Nefferdorf</i>	<i>Tech I</i>	<i>100% available for projects</i>
<i>Craig Plumb</i>	<i>Tech V</i>	<i>100% available for projects</i>
<i>Kayla Robinson</i>	<i>Tech III</i>	<i>Available starting in 2018</i>
<i>Jason Rowell, EIT</i>	<i>CE IV</i>	<i>100% available for projects</i>
<i>Troy Schumacher</i>	<i>Tech IV</i>	<i>100% available for projects</i>
<i>Donald Spruit, PE</i>	<i>CE II</i>	<i>100% available for projects</i>
<i>Roland Thereault</i>	<i>Tech IV</i>	<i>100% available for projects</i>
<i>Richard Tittlemore</i>	<i>Tech IV</i>	<i>100% available for projects</i>
<i>William Waite</i>	<i>Tech III</i>	<i>100% available for projects</i>
<i>Jeffrey Warner</i>	<i>Tech IV</i>	<i>Available starting in 2018</i>
<i>Jeffrey Wheeler</i>	<i>Tech V</i>	<i>Available starting in 2018</i>
<i>Larry Wheeler</i>	<i>Tech VI</i>	<i>100% available for projects</i>

Qualifications and Experience of Staff

Many of the GPI staff identified in the table offer an added benefit in that they previously worked for VTrans on construction assignments. Due to this experience, we have an excellent relationship with the current VTrans construction staff and have extensive knowledge of the procedures utilized by VTrans Construction Division. Below is a summary of the key staff, their position, years of experience and completed certifications/training:

<i>Name</i>	<i>Position</i>	<i>Years Exp.</i>	<i>Certifications/Training</i>	<i>Firm</i>
<i>Nathan Danforth, PE</i>	<i>Director of VT Construction Svcs.</i>	<i>45</i>	<i>PE; BSCE; OSHA Fall Protection; VT State Certified Public Managers Program</i>	<i>GPI</i>
<i>Carl Fielder</i>	<i>VT Construction Supervisor (CS)</i>	<i>43</i>	<i>AS/Civil Engineering; NETTCP HMA Paving, NHI/Roadside Design Guide, NHI/Materials Control & Acceptance-QA, NHI/Hot Mix Asphalt Construction,</i>	<i>GPI</i>

VERMONT AGENCY OF TRANSPORTATION
Two-Tier (State-Local) Qualifications-Based Selection for
At-The-Ready (ATR) Consultant Engineering Services for Municipalities



<i>Name</i>	<i>Position</i>	<i>Years Exp.</i>	<i>Certifications/Training</i>	<i>Firm</i>
			NHI/Rail Highway Grade Crossing Improvement Program, FHWA/ Superpave for the Generalist Engineer and Project Staff, FHWA/Pavement Recycling Guidelines for State and Local Governments	
Ron Gray, P.E.	Const. Insp. Supervisor	40	PE, OSHA 10, Supervisory Training	GPI
Patrick Kenneally, PE	Principal Engineer/ Outreach	25	PE; BSCE	GPI
Matthew McCane	Chief Coatings Inspector, Tech VI	26	BA/Bus; AAS/Construct Eng; NICET III, NACE I, II, III; SSPC C-3 & C-5 Supervisor/ Competent Person; SSPC C-2 Spec and Manager Protective Coatings, CPESC, NHI Certified Instructor	GPI
Leigh Abel	Tech V	30	NICET IV Highway; NETTCP Asphalt; NETTCP Concrete; NETTCP Soils & Aggregate; NETTCP Drilled Shaft Inspection; NETTCP Driven Piles; ATSSA Traffic Control Supervisor; ACI Field Testing Tech level 1; ACI Concrete Construction Special Inspector; ICC Structural Steel and Bolting Inspector; Nuclear Density Gauge; NHI Drilled Shafts; NICET I Underground Utilities; OSHA Fall Protection; EPA Construction Storm water	GPI
Percy Bannerman	Tech II	2	AS Civil Eng., ACI Cert.	GPI
Dillon Bianchi	CE II	3	BS; OSHA, NETTCP Concrete & Drilled Shaft	GPI
Lee Bohn	Tech IV	30+	Lead Auditor Training; ASNT Liquid Penetrant & Magnetic Particle; Developing Supervisory Practices; Technical Writing; Nuclear Testing Equipment; Radiation Safety Officer Training	GPI
Bethany Bosch	Tech III	9	ACI Field Tech, NETTCP Drilled Shaft/ Drive Pile/HMA Inspector, ATSSA Traffic Control Supervisor	GPI
Bruce Boyle	Tech V	33	ACI Field Tech, NACE Level I; NETTCP HMA Paving; NETTCP Concrete; ATSSA Traffic Control Supervisor; Nuclear Density Gauge; OSHA Fall Protection	GPI
Natalie Boyle	Outreach Coordinator	17		GPI
Karen Brown	Tech IV	37	MBA; AAS Construction Technology, ACI Field Tech Grade 1 NETTCP Concrete Inspector, ATTSA Traffic Control Supervisor; NETTCP Drilled Shaft, HMA, Driven Pile & QA Tech.	GPI
Tucker Bumps	Tech II	3	AE Civil & Env.; Materials Testing (Concrete, Soil, Water, Asphalt); Nuclear Density Gauge Certification; Surveying (Level, Total Station); Fall Protection Training; Flagger Training; OSHA 10hr	GPI
Steve Chisholm	Tech V	37	ACI Field Tech, NETTCP Concrete, NETTCP HMA, NETTCP Driven Piles, OSHA 10hr, ATSSA Traffic Control Supervisor	GPI
Hunter Clark	Tech II	2	AS	GPI
Katherine Defayette	Tech II	2	BS ACI Level I; NETTCP Concrete Inspector; NETTCP	GPI

VERMONT AGENCY OF TRANSPORTATION
Two-Tier (State-Local) Qualifications-Based Selection for
At-The-Ready (ATR) Consultant Engineering Services for Municipalities



<i>Name</i>	<i>Position</i>	<i>Years Exp.</i>	<i>Certifications/Training</i>	<i>Firm</i>
			<i>Soils and Aggregate Lab Tech; NETTCP Driven Pile Inspector; OSHA 10hr Construction Safety and Health; NETTCP S Soils and Aggregate Inspector; Portable Nuclear Gauge; Erosion and Sediment Control; NETTCP Drilled Shaft Inspector; NETTCP HMA Paving Inspector; 40hr HAZWOPER</i>	
<i>Sasa Dejan</i>	<i>Tech II</i>	<i>2</i>	<i>BS; ACI Concrete Field Testing Technician, Grade I; OSHA 30hr; NETTCP Soils & Aggregate; HAZMAT</i>	<i>GPI</i>
<i>Robert Dixon</i>	<i>Tech V</i>	<i>23</i>	<i>AAS/Const. Tech, NICET III; NACE Level I; NETTCP Concrete/ Soils and Aggregates/ Asphalt Paving/ Driven Pile; Nuclear Density Gauge; ATSSA Traffic Control Supervisor; ATSSA Flagger; ACI; OSHA Fall Protection</i>	<i>GPI</i>
<i>Emily Doty</i>	<i>Tech I</i>	<i>1</i>	<i>BS</i>	<i>GPI</i>
<i>Eamon Duane</i>	<i>Tech II</i>	<i>2</i>	<i>BS; CPR/First Aid; Nuclear Gauge Certification; ACI Concrete Field Testing Technician Grade I; NETTCP Driven Pile/ Concrete/ HMA</i>	<i>GPI</i>
<i>Daniel Fletcher</i>	<i>Tech IV</i>	<i>8</i>	<i>ACI Concrete Field Testing Technician, NETTCP HMA and Concrete</i>	<i>GPI</i>
<i>Ryan Foss</i>	<i>Tech III</i>	<i>5</i>	<i>BS; Nuclear Density Gauge Certification</i>	<i>GPI</i>
<i>Richard Ferguson</i>	<i>Tech II</i>	<i>2</i>	<i>AS</i>	<i>GPI</i>
<i>Brandyn Gadapee</i>	<i>Tech II</i>	<i>4</i>	<i>AS Civil and Environmental Engineering Tech;</i>	<i>GPI</i>
<i>Katrina Hagan</i>	<i>Tech III</i>	<i>4.5</i>	<i>ACI, NETTCP HMA, Nuclear Density Gauge</i>	<i>GPI</i>
<i>Jeffrey Hansen</i>	<i>Tech II</i>	<i>3</i>	<i>BS; Nuclear Moisture/Density Gauge; CPR; AED; First Aid; OSHA 30; ACI Conc. Field Testing Tech Grade 1</i>	<i>GPI</i>
<i>Matthew Hudson</i>	<i>Tech II</i>	<i>31</i>	<i>Survey Party Chief</i>	<i>GPI</i>
<i>Kurt Hutchins, EIT</i>	<i>CE III</i>	<i>7</i>	<i>EIT; BS/Engineering; NETTCP HMA, NACE CIP Level I; ATSSA TCT & TCS; ACI Conc. PCI QC Level I & II</i>	<i>GPI</i>
<i>Justin Ives</i>	<i>Tech II</i>	<i>4</i>	<i>OSHA, CPR, AED</i>	<i>GPI</i>
<i>David Kraus</i>	<i>Tech III</i>	<i>1</i>	<i>BS, ACI and OSHA 10</i>	<i>GPI</i>
<i>Earl Kingsbury, PE</i>	<i>CE III</i>	<i>31</i>	<i>PE; BSCE</i>	<i>GPI</i>
<i>Samuel Lagor</i>	<i>Tech II</i>	<i>5</i>	<i>OSHA 10</i>	<i>GPI</i>
<i>Anthony LaVigne</i>	<i>Tech III</i>	<i>37</i>	<i>NICET I; ACI Conc., NETTCP HMA</i>	<i>GPI</i>
<i>Justin Lefebvre</i>	<i>CE I</i>	<i>6</i>	<i>BS/CPM (VTC) & AS/Civil-Enviro. Technology(VTC); NETTCP Soils & Aggregates, NETTCP HMA, ACI Flatwork Cert, ACI Field Tech, PCI Level I & II, OSHA 10hr, Q/C Resource Troxler, ACI Flatwork Cert.</i>	<i>GPI</i>
<i>Logan Markie</i>	<i>Tech IV</i>	<i>8</i>	<i>ACI Field Tech, Nuclear Density Gauge, NETCCP HMA Paving/ Concrete/ Drilled Shaft; NHI Drivel Pile; Foundation</i>	<i>GPI</i>
<i>Eric Marshall</i>	<i>Tech III</i>	<i>19</i>	<i>NETTCP HMA, Soil and Aggregate, Hazmat</i>	<i>GPI</i>
<i>Joshua Maxfield, EIT</i>	<i>CE II</i>	<i>5.5</i>	<i>BSCE; EIT; PCI Technician – Level I and II; ACI Concrete Testing, Grade 1; OSHA-10hr; Order of the Engineer – UVM Chapter; Troxler Nuclear Density Gauge Certified; NAUI Certified SCUBA Diver</i>	<i>GPI</i>
<i>Peter McDonald</i>	<i>Coatings Inspector, Tech V</i>	<i>30+</i>	<i>NACE Certified Coatings Inspector; SSPC-C3; OSHA 10</i>	<i>GPI</i>
<i>Craig Plumb</i>	<i>Tech V</i>	<i>25</i>	<i>AS; ACI Technician I and NETTCP HMA Inspector</i>	<i>GPI</i>
<i>Kayla Robinson</i>	<i>Tech III</i>	<i>2</i>	<i>AAS; OSHA 10hr</i>	<i>GPI</i>
<i>Jason Rowell, EIT</i>	<i>CE IV</i>	<i>16</i>	<i>EIT; BSCE; ACI Conc. Testing Level 1, NHI Driven Pile, NETTCP Concrete, NETTCP Drilled Shaft, NETTCP HMA Paving, ATSSA Traffic Control, OSHA 10Hr</i>	<i>GPI</i>

<i>Name</i>	<i>Position</i>	<i>Years Exp.</i>	<i>Certifications/Training</i>	<i>Firm</i>
<i>Troy Schumacher</i>	<i>Tech IV</i>	<i>20</i>	<i>BS; Nuclear Gauge & DOT Certified; OSHA 30hr Certified Construction; ACI Certified Field Testing; First Aid & CPR</i>	<i>GPI</i>
<i>Donald Spruit, PE</i>	<i>CE II</i>	<i>48</i>	<i>PE; BSCE; NETTCP Concrete Inspector/ Asphalt/ Piles</i>	<i>GPI</i>
<i>Roland Thereault</i>	<i>Tech IV</i>	<i>36</i>	<i>VT Tech College; NETTCP HMA, NETTCP Concrete, NETTCP Soils & Aggregates, ACI Field Tech, Nuclear Density Gauge, NACE CIP Level I, OSHA Fall Protection</i>	<i>GPI</i>
<i>Richard Tittermore</i>	<i>Tech IV</i>	<i>10</i>	<i>NETTCP Conc.; NETTCP HMA, Nuclear Density Gauge; NETTCP Driven Piles, NETTCP Drilled Shaft Foundation; ATSSA TCP; ACI Field Tech, OSHA Fall Prot., OSHA-10 hr.</i>	<i>GPI</i>
<i>William Waite</i>	<i>Tech III</i>	<i>3</i>	<i>BS; Nuclear Density, ACI, NETTCP Conc. & HMA</i>	<i>GPI</i>
<i>Jeffrey Warner</i>	<i>Tech IV</i>	<i>8</i>	<i>BS/ Plant Science; AS/ Civil Engineering Technology, ACI Conc. Field Tech Grade 1, NETTCP HMA, NETTCP Concrete Inspector, NETTCP Soils & Aggregates, Nuclear Density Gauge; TCT, TCS</i>	<i>GPI</i>
<i>Jeffrey Wheeler</i>	<i>Tech V, Chief Inspector</i>	<i>28</i>	<i>AAS/ Constr. Tech; ACI Field Tech Grade 1, ACI Concrete Construction Special Insp. Level II, NETTCP HMA Paving, NETTCP Driven Pile Inspector, NACE Level I, Nuclear Density Gauge, ATSSA Traffic Control Supervisor, NETTCP Concrete, ICC Structural Steel Special Inspector, OSHA Fall Protection, Communications for Managers & Supervisors</i>	<i>GPI</i>
<i>Larry Wheeler</i>	<i>Tech VI</i>	<i>46</i>	<i>Highway Design Technology (VTC); NHI Value Engineering, NHI Techniques for Pavement Rehabilitation, NHI Superpave Design, NHI Design & Implementation of Erosion Control, NHI Pavement Preservation, MUTCD Workshops</i>	<i>GPI</i>

Commitment of Resources and Staff

GPI has a large staff of construction inspectors in the state of Vermont and has a contract with VTTrans to provide inspection services in year 2017. At this time, a few of the above staff are dedicated to a particular assignment. We currently do not know what level of effort will be required from our construction staff members and at this point, many of the staff members are available to work on a municipal project. Therefore, it will not be an issue of meeting staffing needs for any project and/or assignment.

GPI works very hard to provide the necessary and appropriate inspectors whenever there is a need. We also go out of our way to properly vet any new potential employee and make sure that they are a good fit for any project and/or assignment. Our record with VTTrans shows that we have done a good job of finding the quality and quantity of construction inspectors when they need them and feel we can do the same for the municipalities.

Familiarity with Federally Funded Transportation Projects

As previously stated, GPI has been providing construction engineering services for the State of Vermont since 1996. Many of the projects were federally funded and as a result, we are completely familiar with federally funded projects requirements. In addition to providing our services to the State of Vermont, GPI has works on many federal aid projects in the State of New York. Below is a list of projects in New York State that we have performed both design and construction inspection services.

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GPI Project Name	Client	PIN	Traffic	Highways	Bridges	Pedestrian /Bicycle /Multi-Use Paths	Right of Way	Construction Support & Inspection
I-90 Exit 8 Connector Road	Rensselaer County	1089.62	x	x				
New Road Connecting Lincoln Avenue to Rapp Road	Village of Colonie	1753.36	x	x				
Morris and Cordell Roads over Railroad	Village of Colonie	1754.46	x	x				
Bridge Replacement - CR111 over Hoosic River	Rensselaer County	1754.68						x
Bridge Replacement - CR16 over Halfway Brook	Washington County	1755.14		x	x		x	x
Bridge Replacement - CR113 over Batten Kill	Washington County	1755.32		x	x	x	x	
Bridge Replacement - Pangburn Road (CR103) over the Norman's Kill	Schenectady County	1755.37		x	x		x	x
Zim Smith Mid-County Trail	Saratoga County	1756.29				x		x
Mohawk-Hudson Bike Path	Albany County	1756.32				x		x
Bridge Replacement - Spring Ave Bridge over the Poesten Kill	City of Troy	1756.37			x	x	x	x
Bridge Replacement - CR7 over Sacandaga Reservoir	Saratoga County	1756.40			x			x
Ballston Ave (NY50) Roadway/Streetscape Improvements	City of Saratoga Springs	1756.60	x	x		x	x	x
Bridge Replacement - Geysers Road Bridge (CR43) over D&H Railroad	Saratoga County	1757.07			x	x	x	x
Bridge Replacement - CR45 over the Kayaderosseras Creek	Saratoga County	1757.09			x			x
Bridge Replacement - US Route 4 over the Anthony Kill	Saratoga County	1757.10		x	x		x	x
Helderberg Hudson Rail Trail	Albany County	1757.32			x	x		x
Bridge Replacement - Moriah Center Bridge (Plank Rd (CR7) over Mill Brook)	Essex County	1757.59		x	x	x	x	x
Bridge Replacement - Elk Drive over LaChute River	Essex County	1757.60		x	x	x	x	x
Erie Canal Towpath Reconstruction	Town of Clifton Park	1757.68						x
Sheridan Hollow Sidewalks	City of Albany	1757.95				x		x
Meads Lane/Van Dyke Road Intersection Improvements	Town of Bethlehem	1758.02	x	x				x
Rehabilitation of the Dix Bridge	Saratoga County	1758.65			x	x		x
Bridge Rehabilitation - Alplaus Avenue Bridge over Alplaus Kill	Schenectady County	1758.89		x	x			x
Bridge Replacement - Broken Wheel Road over Little Hoosic River	Town of Petersburgh	1758.90		x	x		x	x
Hicks Road Reconstruction	Warren County	1759.08	x	x			x	x
Sidewalk Improvements, Various Locations	Town of Warrensburg	1759.56				x		x
Geysers Road Safe Routes To School	City of Saratoga Springs	1759.59				x	x	x
Route 9 Corridor Improvements Town of Lake George	Town of Lake George	1759.67	x	x		x	x	x
CR24 (Spier Falls Road) Pavement Preservation	Saratoga County	1759.73		x				x
Geysers Road/Route 50 Intersection Improvements	City of Saratoga Springs	1759.83	x	x		x		x
Sitherly Road, from US 9 to Clifton Park Town Line, Pavement Preservation	Town of Halfmoon	1759.86		x				x
Guilderland Avenue and Broadway Pavement Preservation	City of Schenectady	1759.95		x		x		x
Blue Ridge Road (CR 84) Pavement Preservation	Essex County	1759.99		x			x	x
East Street Pavement Preservation, from US Route 4 to Village Line	Village of Fort Edward	1760.07		x				x
Geysers Road Trail, from Town of Milton Line to Route 50	City of Saratoga Springs	1760.11				x	x	x
Duanesburg Churches Road Bridge over Chuctanunda Creek	Schenectady County	1760.16			x			
Fortsville Road (CR31) Pavement Preservation	Saratoga County	1760.20		x				x

GPI Project Name	Client	PIN	Traffic	Highways	Bridges	Pedestrian /Bicycle /Multi-Use Paths	Right of Way	Construction Support & Inspection
Asset Management and Preservation for Locally Owned Bridges	Adirondack/Glens Falls Transportation Council	1810.21			x			
Utica North-South Arterial Corridor	Herkimer-Oneida County Transportation	2134.41	x					
Mohawk River Trail	City of Rome	2650.18						x
From Grey to Green Streetscape Improvements	City of Rome	2650.43		x		x		x
Lake Algonquin Scenic Vista	Hamilton County	2753.91						x
Fulton, Johnstown & Gloversville Rail Trail	City of Johnstown	2753.94				x		x
Bridge Preservation - Fullerville Road Bridge over the West Branch	St. Lawrence County	7753.48			x			x
Rehabilitation of the Ogdensburg-Prescott International Bridge	Ogdensburg Bridge & Port Authority	7757.75			x			x
Champlain Valley Transportation Museum	City of Plattsburgh	7804.83						x
Massena Aluminum Trail	Village of Massena	7804.84			x	x		
Route 9W and Young Avenue Intersection Improvements	Town of Marlboro	8239.12	x	x				
Bridge Replacement - Ridge Road over Coopers Brook	Dutchess County	8757.37						x
Bridge Replacement - CR9 over Indian Creek	Columbia County	8757.60		x	x		x	x
Palatine Path, Streetscape Improvements and Culvert Replacement	Town of Germantown	8758.47		x		x		x
Saugerties Pedestrian Access Improvements	Village of Saugerties	8760.08						x
Washington Avenue Traffic Signals Improvements	City of Kingston	8760.29	x	x				x
CR18 Highway Reconstruction	Columbia County	8760.99		x			x	x
New Rochelle Intermodal Transportation /Streetscape Improvements	City of New Rochelle	8761.01		x		x		
Safe Routes to School Infrastructure Improvements	City of Kingston	8761.09	x	x		x		x
State Route 23 Pedestrian and Streetscape Improvements	Town of Hillsdale	8780.44		x		x	x	x
Broadway Complete Streets and Connectivity Project	City of Kingston	8780.49	x	x		x	x	
Bridge Replacement - CR171 over the Basher Kill	Sullivan County	9751.77			x			x
Bridge Replacement - CR172 over the Tributary #1 of Wilsey Brook	Sullivan County	9751.77			x			x
Bridge Rehabilitation - Moxham Road over Middle Brook	Schoharie County	9753.98			x			x
Cross Hill Road/Beards Hollow Road Improvements	Schoharie County	9806.16	x	x				

Experience with Municipalities

GPI has worked and coordinated with many municipalities in Vermont as part of our contracts with VTrans. As an example, GPI has worked on Class I Town Highway projects, which are VTrans managed paving projects on state highways that are within the municipalities' limits. These highways are the municipality's responsibility and consequently there was increased involvement with municipal officials. Some of the Class I projects where GPI provided construction inspection assignments in 2015 and 2016 are:

- ◀ St. Johnsbury-Lyndon STP 2936(1) – Lee Bohn (inspector), Brandyn Gadapee (inspector), and Emily Doty (office engineer)
- ◀ Chester-Springfield-Rockingham-Windsor STP 2952(1) – Ryan Foss and Willie Waite (inspectors)

Our chief inspectors and inspectors have worked on a lot of other projects that had a fair amount of interaction with municipalities, such as town highway bridge projects that included truss rehabilitations, covered bridges, new and rehabilitated concrete decks. In addition, many state projects had an impact on communities with respect to traffic management, as well as other issues.

A few examples from the 2016 construction season are:

- ◀ Craftsbury BO 1449(34) – Jason Rowell (chief inspector) and Josh Maxfield (inspector) – an accelerated bridge replacement project on a town highway.
- ◀ Rutland City BRF 3000(16) & (19) – Logan Markie (chief inspector), Tony Lavigne (inspector), Bethany Bosch (office engineer), and Justin Ives (inspector) – two bridge replacements in Rutland City.
- ◀ Brattleboro IM 091-1(65) – Dillon Bianchi (office engineer) – replacement of four interstate bridges that has involved a lot of traffic management work with Brattleboro.
- ◀ Bradford-Ryegate STP 2929(1) – Lee Bohn, Brandyn Gadapee, and Emily Doty (inspectors) – paving project through three villages.
- ◀ East Montpelier BF ESP2(1) – Josh Maxfield (inspector) – preliminary drainage and utility work as well as installation of a retaining wall in East Montpelier Village.

In addition, during the 2013 and 2014 construction seasons, our Resident Engineer / Inspector worked on a variety of projects for the Town of Sharon, VT. The projects were related to repairs following Tropical Storm Irene included:

- ◀ White Brook Road Culvert involved the removal of a temporary corrugated metal culvert with a precast concrete box culvert. The work included by-pass pumping of the work site, traffic detours, and restoration of the gravel road after the culvert was replaced.
- ◀ Route 132 Repairs included work at four sites along Route 132. Two sites were repairs to bank washouts. One was the replacement of a laid-up stone wall with a cast-in-place concrete retaining wall. One was the replacement of a temporary corrugated metal culvert with a precast concrete box culvert. The work included earthwork, concrete, water diversion, pavement repair and guardrail work.
- ◀ The Broad Brook Road project involved the removal of an existing damaged concrete bridge and replacement with a bridge with precast concrete box beams with cast-in place concrete abutments and a concrete wearing deck.





SECTION 2.

Construction Inspection Services



Construction Inspection Services

Qualifications and Experience of the Firm

GPI is an industry leader in providing a full range of quality construction management, inspection, testing, and support services for our client's infrastructure projects. Currently, we are providing construction services on over \$5-billion worth of transportation projects. Much of this work is performed under on-call contracts and on all of these projects, we strive to achieve quality service through focusing on our client's needs, have an open line of communication, a solid understanding of the contract requirements, employee empowerment, training, and teamwork. Construction Management Services at GPI follow a philosophy that goes far beyond the traditional field inspection, quality assurance testing, specification, plan and permit monitoring for conformance. Our management and field staff's approach to every construction project is the same, regardless of its size and scope. 'Foster a project environment with all the stakeholders in mind, that allows a quality project to be built as quickly and efficiently as possible.' We work with the designer, owner, contractor, and outside government agencies in a manner that "promotes the project". GPI staff looks ahead to avoid costly delays, looks for ways to constantly improve the construction schedule and communicate, communicate, communicate. This management approach, coupled with our highly trained, certified and experienced staff, produces consistent results and 'Quality Projects'. GPI has worked hard to earn the reputation in the industry of being dedicated experts, putting forth unrelenting efforts. GPI will provide the municipalities with the best and brightest personnel for any project and/or assignment.

GPI has recognized the value of a certification and training process for construction personnel that include but not limited to:

- ◀ Northeast Transportation Technician Certification Program (NETTCP)
- ◀ National Institute for Certification in Engineering Technologies (NICET)
- ◀ National Association of Corrosion Engineers (NACE)
- ◀ Steel Structures Painting Council (SSPC)
- ◀ American Traffic Safety Services Association (ATSSA)
- ◀ Certified Professional in Erosion and Sediment Control (CPESC)
- ◀ American Concrete Institute (ACI)
- ◀ Pre-stressed Concrete Institute (PCI)
- ◀ Troxler Nuclear Gauge
- ◀ American Society for Non-Destructive Testing with Ultrasonic Weld Testing (ASNT NDT)
- ◀ Design Build Institute of America (DBIA)

Most GPI employees have taken the 10-hour Occupational Safety & Health training course; if not, they will be required to attend prior to the start of a construction project. This GPI safety initiative program is reinforced with our 'Site Specific Health and Safety Plan', which details everything including an Emergency Contact Sheet, GPI Corporate Safety Policies and regulation requirements found within CFR 29, Parts 1910 & 1926. This plan is updated by field personnel each time a new assignment is taken on to reflect current information. GPI regularly conducts construction inspector meetings to promote good management skills and to increase technical skills of the staff; it is a chance to compare notes, share experiences and learn from others. Our staff also regularly attends VTtrans training at spring start-up meetings and end of season close-out sessions, if requested. GPI encourages staff to attend additional training that will promote interpersonal skills as well.



In addition to technical certifications, we also conduct ethics training on a regular basis, to ensure that our employees understand the importance of ethical behavior, avoid any real or perceived conflicts of interest, and know what do if a questionable situation arises.

The firm has been involved with many transportation projects in the State of Vermont that include but is not limited to:

<i>New alignment and roadway construction</i>	<i>Pedestrian and Bicycle facilities construction</i>
<i>New/ Historical/ covered bridge construction</i>	<i>Intersection reconstruction and new traffic signals const.</i>
<i>New/ Replacement wetlands construction</i>	<i>Bridge rehab./ repairs/ painting/ structural inspection const.</i>
<i>Multi-modal center construction</i>	<i>Steel coatings/ paint evaluations</i>
<i>Roadway and bridge reconstruction</i>	<i>Claims support</i>
<i>Streetscaping and completer streets construction</i>	<i>Railroad construction</i>
<i>Assisting Finals Unit</i>	<i>Environmental Permit Compliance</i>

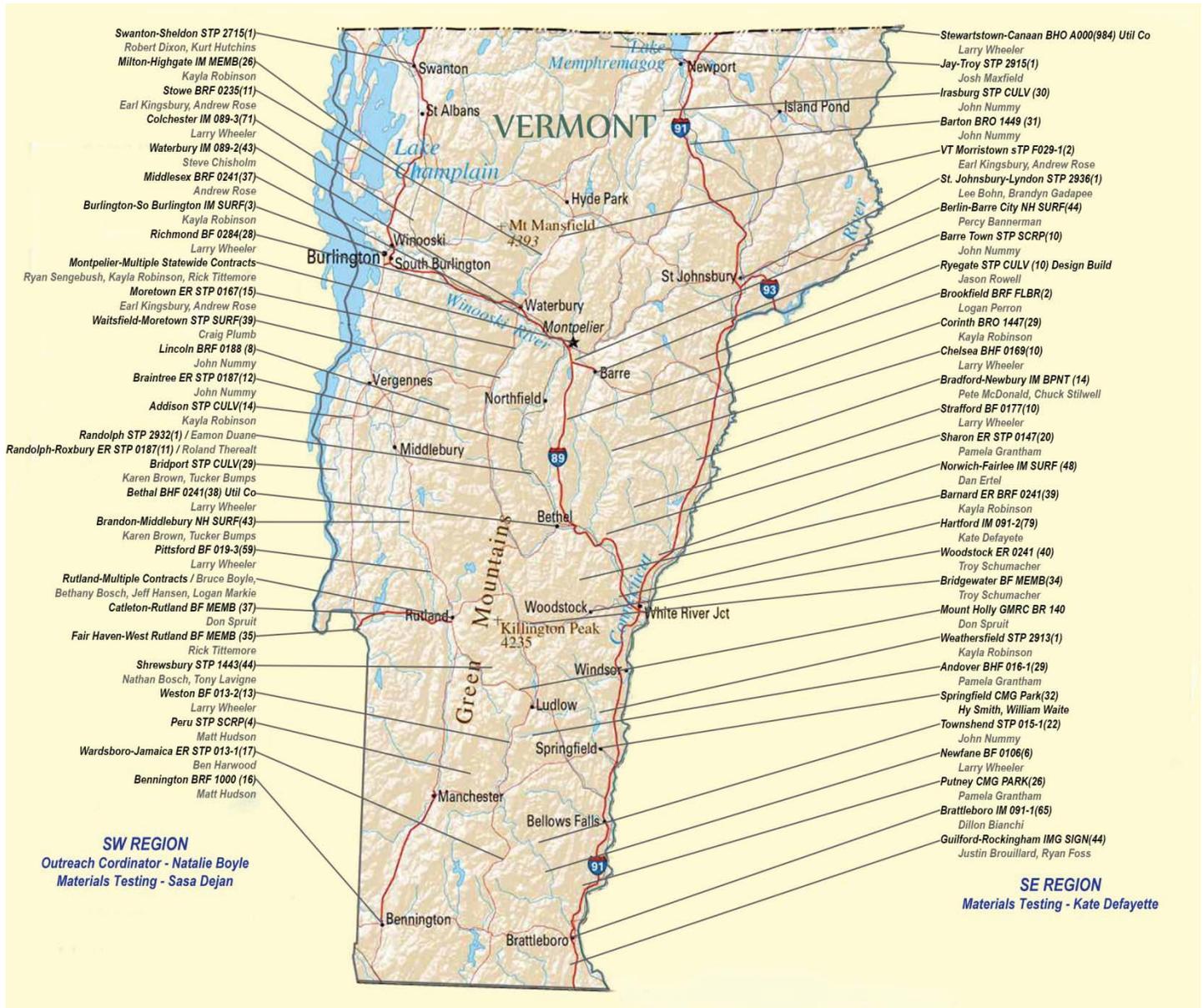
We have worked on most items of construction for VTrans, including but not limited to:

- *Pile driving for foundations*
- *Drilled shafts*
- *Foundations and abutments*
- *Substructure (incl. beams & bearings)*
- *Superstructure (incl. deck, parapet, sidewalk)*
- *Rock blasting and earthwork (cuts and fills)*
- *Sub-base and base course*
- *Paving (Superpave, asphalt, PCC)*
- *Earth anchors*
- *Precast Conc. Structures (bridge & building)*
- *Retaining walls (conc., reinforced earth, gabion)*
- *Slope stabilization*
- *Signal light systems*
- *Railroad crossings*
- *Ditching*
- *Bridge Membranes*
- *Curb & Sidewalks*
- *Guardrail*
- *Environmental permit*
- *Community involvement*
- *MPT and Detours*
- *Underwater inspection*
- *MSE walls*
- *Utility relocations*
- *Stream restoration*
- *Wetland construction*
- *Reinforced concrete*
- *Plain Concrete*
- *Cold Planing/ Milling*
- *Borrow pits*
- *Granite block gutters*
- *Landscaping*
- *Historic markers*
- *Drainage and culverts*
- *Toxic waste identification & handling*
- *Construction staging*
- *Materials sampling*
- *Materials Testing*
- *Temporary construction signals*
- *Sidewalk (Conc., Asphalt, Brick, imprinted)*
- *Lighting (normal, historic)*
- *Signs (ground pole, and structure mounts)*
- *Sign structures*
- *Striping*
- *Clearing/ grubbing*
- *Temporary bridges*
- *Reinforced soil slopes*
- *Protective Coatings*

All of the type of projects noted above involved having the knowledge and expertise of federal and state requirements, and of the VTrans Standard Specifications of Construction.

Examples of Projects

GPI has performed construction engineering and inspection services under several Construction Inspection Services Term contracts with VTrans. Below is a map that shows recent projects that we have or will be completing:



Additional information on some of the VTrans projects that GPI has worked on over the years are included in the following descriptions.

Bennington Bypass Northern Segment NH F019-1 (5) Contracts 51, 52, 53 and 54, VT.

GPI performed Construction Inspection for the Northern Segment, which begins at the US Route 7 systems interchange and proceeds southeasterly for 3 miles to an interchange with Vermont Route 9, just east of downtown Bennington. This segment, in combination with the Western Segment, will constitute the bypass for Vermont Route 9. Contracts 51, 52, 53 & 54 have been completed. Contract 51 included two bridges carrying Route 279 over the Roaring Branch River, including drilled shafts, reinforced soil slopes, full depth roadway construction, plus new water and sewer lines along Route 9. Contract 52 included extensive earthwork, grading, drainage, full depth roadway construction, a new bridge structure carrying Route 279 over Chapel Rd., a 47.2 meter pedestrian underpass for the Bald Mountain Hiking Trail and the environmental mitigation reconstruction of the Veteran’s Reservoir: a man-made water body recognized as an amphibian habitat. Contract 53 included extensive earthwork, grading, drainage, full depth roadway construction along with: Furnace Brook Bridge, East Road Bridge, East Road pedestrian bridge, Route 7 drainage swale, rock



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slope removal at Exit 2, and transporting excess material to deposit sites along the future southern segment of Route 279 (referred to as stage 1 material deposit sites). Quantities included 142,500 m³ of common earthwork, 3,800 m³ of solid rock excavation, 12,500 m³ excavation of surfaces and pavements, 628,000 kg of curved plate girder steel, and 42,000 m³ of high performance concrete. Contract 54 is known as the Systems Interchange. This project consisted of grading, extensive earthwork and rock removal, new drainage, extensive full depth roadway construction, including subbase and pavement, new signage with overhead structures, installation of new lighting system, landscaping, and the rehabilitation of three bridges requiring cleaning and painting of the structures.



Other tasks at the Route 279 interchange area included inspection services for all the drainage and roadbed construction including the Welcome Center loop road and parking lots. Installations included new storm drainage structures, pipe and underdrains, grading and placement of sand borrow and dense graded materials, pavement and guardrail work. This work was performed for VTrans and the Department of Building and General Services.



Bennington Bypass Western Segment DPI 0146 (1) Contracts 1-6, VT. GPI provided CI services for this new limited access highway project, which began in Hoosick, New York (just west of the Vermont State line) at an intersection with NY Route 7. The highway proceeds northeasterly into Vermont, through an interchange with VT Route 67A, to the systems interchange with US Route 7. The Groundbreaking took place in November, 1999. It was officially opened to traffic at a Ribbon Cutting Ceremony in October, 2004. It covers 1.5 miles, consisting of a new intersection with NY Route 7 and two new bridges. The portion of highway in Vermont was completed in three construction contracts and covers approximately 3.3 miles of new highway and 0.5 miles of rehabilitated four-lane divided highway. The contracts consisted of the construction of a new two-lane highway, four new bridges, one of which was an 860 foot, five-span curved-girder bridge and the rehabilitation of six existing bridges. Other interesting aspects of this new highway include a weigh station constructed in a large rock cut, a reconstructed interchange with Vermont Route 67A and a wildlife crossing that was integrated with one of the new bridges.



Swanton STP MHTB(1), Franklin County, VT. Rehabilitation of an historic Pennsylvania truss, including lead paint removal and a new three-coat painting system. This project provided an opportunity to introduce improved recordkeeping and documentation through the employment of a seasoned GPI-NACE inspector. Project records include extensive photos cross referenced to each truss member as well as all NACE required temperature, humidity, etc. readings. This excellent inspection helped VIRANS to forward their paint inspection expectations to a new level.



Springfield BHO 1442(30), VT. Provided construction inspection of rehabilitation of existing truss along with related substructure and channel work.

Sharon BHF 0177(8), Windsor County, VT. Cleaning and painting of a thru-truss bridge in Sharon, VT. Technical aspects included: Abrasive blast to SSPC SP-6, coated with Ameron International Coatings (Zinc, Penetrating Sealer, Epoxy, Urethane Finish Coat four coat system). After all coatings were applied, an additional grease coating was applied at each beam end.

Randolph-Brookfield & Bethel-Randolph IM 089-1(52) and AC IM 089-1(22), VT. On this 11.5-mile Interstate project, provided inspection of cold planing, paving, guardrail, drainage, new signs and some experimental wearing course.

Springfield-Windsor IM 091-1(55), VT. 12-mile Interstate paving and safety improvement project.

Chester-Springfield ST 2612(1), VT. Beginning at MM 5.130 at the intersection of VT Route 11 and VT Route

103 in the County of Windsor, Town of Chester and extending 6.648 miles east to MM 3.528 in the Town of Springfield. Work includes cold planing resurfacing of the existing highway with a leveling course, wearing course, new pavement markings and incidental items.

Moretown-Duxbury-Moretown STP 2507(1), VT. Paving of 7.0 miles of Route 100 in the Towns of Duxbury and Moretown. Reclaiming and/or cold planing of segments and overlaying with a leveling course and wearing course.

Route 7A and 67A - Signal/Sign, Bennington, VT. Work included geometric improvements, traffic signal replacement with loop detectors, lighting, sign replacement and new durable pavement markings.



Route 7 South Street Reconstruction, Bennington, VT. Work involved blasting for utility relocation, new underground utilities (water, sewer, storm sewer, and telephone) while maintaining traffic, subbase replacement, paving, curb, sidewalk, temporary detours, utility relocations, and signs. There was heavy community involvement.

Paving Route I-91 Brattleboro, VT. (\$7.6M) Inspected 11 miles of paving and milling of a dual 4 lane interstate highway. Included guardrail, signs, pavement markings, and MPT.

Historic Bridge Replacement, Montpelier, VT. (\$1.4M) Inspected the construction of a new superstructure and approaches on a historic truss bridge in downtown Montpelier. Work included earthwork, paving, partial removal of structure, placing structural steel, a temporary pedestrian bridge, granite curb, bridge rail, new reinforced concrete deck, paint removal and painting.

Paving and New Barrier, Route I-89 Waterbury/Bolton, VT. (\$3.8M) Inspected the construction of the replacement center concrete barrier, drainage, paving, landscape, chain link fence and MPT.



Paving Route 100, Moretown/Waitsfield, VT. (\$3.1M) Inspected the construction of the paving of 3.9 miles of Route 100. Reclaiming and/or cold planing of segments and overlaying with a leveling course and wearing course. Pavement marking, guardrail, drainage, signs, etc.



Paving Route 4A, West Rutland, VT. (\$1M) Inspected 2.4 miles resurfacing of roadway on Route 4A. Project included cold planing and resurfacing of the existing highway, pavement markings, guardrail, signs, and MPT.



Route 11/30 Bridge Repairs and Deck Replacement, Manchester, VT. Deck removal (1/2 bridge at a time), structural repair, steel paint removal, steel painting, maintenance and protection of traffic, deck replacement, paving, signs, striping and all associated work.



Route I-89 Paving Bolton, South Burlington, VT. (\$4.5M) Cold planing and resurfacing of 16 miles of interstate highway including intersection ramps, highway markings, guardrail, signs, and MPT.

Route 12 Bridge Replacement Bethel, VT. (\$3.5M) Demolition of existing multispan bridge over branch of White River, construction of new bridge, including stream channel work and approach work. Foundation included drilled shafts.



Route 7 Signal Construction Clarendon, VT. (\$600,000) Construction of a left turn lane, install traffic signals, intersection paving, signs, and highway markings.



Route 14 Bridge 8 over White River Replacement, West Hartford, VT. (\$2.5M) Construction of a new multi-span bridge adjacent to the existing one and demolition of the existing bridge. Work included stream restoration and road approaches.



Route 132 Reconstruction, Sharon-Strafford, VT – Construction Inspection. Supplied Resident Engineer, Jay McKee, for 3.99 miles of total road reconstruction. Included drainage, culverts, earthwork, heavy environmental protection, stabilized slopes, subbase, full depth paving, guardrail, signs, striping, and one lane

operation with traffic flaggers.

Route 100 Paving Dover-Stratton, VT. (\$2.6M) Reclaiming and resurfacing with a base course, wearing course, new pavement markings, guardrail, and signs.

Fair Haven NH HES 020-1(21), Rutland County, VT. Work performed included cold planing and resurfacing of the existing highway with a shim/leveling and wearing course, removing the existing jug handle pavement and narrowing the WB travel lanes to 1 lane prior to the intersection of VT Rte 4A. Provided a left-turn lane for WB traffic onto VT Rte 4A, new pavement markings, guardrail adjustments, new signs and incidental items.



Wallingford STP ST Walk(14), Rutland County, VT. Located in the County of Rutland, Town of Wallingford, a pedestrian bridge over the Otter Creek, approximately 800+/- feet south of VT Rte 140 between Waldo Lane and the Wallingford Town Park. Rehabilitated and assembled historic truss over Otter Creek at the Wallingford Town Park.



Route 121 Main Street Bridge #12 over Saxtons River Rehabilitation, Grafton, VT – Construction Inspection. Bridge rehabilitation project included new bearings, steel repair, paint removal, steel painting, new reinforced concrete deck, removed and rehabilitated bridge rail, revised approaches, and maintenance and protection of traffic. Temporary signals for one way traffic on 1/2 of the bridge.



Transportation Center, Brattleboro, VT – Construction Inspection. Supplied the Clerk of the Works for the construction of this 3-story parking garage/commercial center/bus ticket office complex. Reconstruction of Flat St. and Elliot St. and utility construction and a bridge from the garage to Elliot St.



Multimodal Parking Garage and Bus Terminal, Rutland, VT – Construction Inspection. Supported VTrans on this difficult 4-story parking garage and bus terminal project constructed by MVRTD. Design review, construction mediating, claims analysis, and construction inspection.



St. Albans-Highgate AC IM BPNT(4), VT. NACE certified construction inspection for 14 interstate bridges on I-89 N and S from St. Albans to Highgate. Coordinated compliance: Class 1A containment, site specific health and safety plan, environ. monitoring plan, waste man. plan, complying with all permits. Monitored and inspected surface preparations, tested ambient conditions for coating applications reqs., chloride tested steel, anchor profile on surface preparations, clean compressed air free of oils/grease and wet/dry film thickness measurements.



Brandon NH 019-3(495), VT. Removed and disposed of the existing concrete roadway, widening and full depth reconstruction of US Rt 7. Other improvements: drainage and underdrain installations, rock blasting and excavation, new concrete box culvert, guardrail, new waterline, landscaping, cold planning and resurfacing and base/intermediate and wearing courses of superpave at full depth sections along with final pavement markings.

Rockingham BHO 1442(34), VT. Rehabilitation of the Worrell Covered Bridge in Rockingham, VT. Duties included office engineer & structural construction inspection during the removal/install of new lattice and Primary-Secondary Chord Members, new bridge deck and approach span glu-lam assembly. Installation of gabion wall and dry hydrant were also part of the project



North Clarendon BHO 1443(39), VT. Provided construction inspection for a steel girder concrete bridge span on a rural highway that allowed access to areas without the necessity of having to install a temporary span. Inspection 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.



Statewide STP CRAK (30), VT. Included the ‘Blow and Go’ routing and bituminous crack sealing of pavement surfaces located on existing State, US Routes and Interstate highways, and requiring continuous mobile traffic control operations.



Stockbridge VT 107 Ledge Scaling, VT. Provided construction inspection for ledge scaling, rock drilling, mesh net, threaded rod and grout installation on Vermont Route 107 in Stockbridge. The ledge scaling was performed by both machine and hand. Other miscellaneous inspection included guardrail installation and ditching. Performed work behind concrete barrier, while maintaining a safe lane for traffic during scaling and tree removals. Provided all required documentation including daily reports and calcs.



Woodford ER BHF 010-1(44), VT. Provided office engineering and inspection for the reconstruction of Woodford Bridge 11 on Rte 9. Built in 2006-7, was partially destroyed during Hurricane Irene. Fast tracked project involved the installation of a temporary detour and temporary two lane bridge. Following the detour, the existing temporary embankment was



removed and a new abutment and 1-span of a 3-span steel girder bridge was constructed.

Bennington NH SURF(29), VT. Inspection of 21 miles of paving a limited access state highway Route 7, with a Nova Chip surface treatment. Included the interchange ramps at exits 2, 3, 4 and the VT Route 7A Kocher Drive approaches. Inspection work included cold planing, ‘Blow and Go’ crack sealing, traffic signal upgrades, asphaltic bridge plug joints and final highway markings.



Roxbury BHF 0187(8) & ER 0187(9), VT. Included the reconstruction of a bridge on Rte 12A and installation of a concrete arch culvert on Rte 12A, due to damage from Hurricane Irene. Provided assistance to the RE in overseeing these jobs for the State. Bridge reconstruction included demo of existing bridge, installation of sheet pile and footing for a precast wingwall, new concrete bridge seats and partial wingwalls. New bridge beams were set along with stay in place forms and a new concrete bridge deck was placed. Other duties included inspection of reinforcing steel, concrete, and all associated roadwork and paving. ER 0187(9) included removal of existing steel culvert, diversion of stream, installation of precast concrete footings, arch and stemwalls, and all associated roadwork.



Berlin-Montpelier IM 089-1(53), VT. Included hand rock scaling, rockfall catchment fence installation, traffic control and related work. Assisted resident engineer in overseeing removal of ledge by hand scaling, installation of rockfall fence, and the removal and resetting of guardrail. Assured contractor complied with the erosion control plan and completed work in a safe manner.

Morristown STP F 029-1(2), VT. Construction of a new bridge over the Lamoille River and approach work for the new Route 100 Alternate Truck Route, involving installation of temporary pile bents to support structural bridge girders during erection. Provided office engineer work and construction inspection, which included overseeing roadway excavation and fill, installation of drainage, overseeing water and sewer line installation, and cofferdam installation, pile driving inspection, reinforcing steel installation, concrete placement, structural steel erection, and verification of anchor bolt locations using a Total Station. Structural steel bolting inspection verified DTI washers.



Westminster-Norwich IM BPNT (8), VT. CI services for 10 bridges located on and over I-91. Coordinated compliance: Class 1A Containment, site specific health and safety plan, environmental monitoring plan, waste management plan and comply with all permits. Inspected the following work required at each structure: surface preparation to SSPC-SP10, tested and monitored ambient conditions during surface preparation and coatings applications, chloride tested steel, anchor profile on surface preparations, clean compressed air with blasting, wet and dry film thicknesses of the Sherwin Williams approved coating system and the application of grease coatings at all abutments, and piers.



Danville FEGC 028-3(32), VT. Provided office engineering and CI services for this 1.2 km project on US Rte 2, in Danville. Project included full depth reconstruction along with drainage and underdrains, waterline main and services, sidewalk and granite curbs, signal and street lighting, utility adjustments and relocations, landscaping, final sign and polyurea striping.



Cabot-Danville FEGC F 028-3(26) C/1, VT. Complete reconstruction and partial realignment of US Rt. 2. Project was a segment through a steep corridor adjacent to a reservoir, a penstock and environmentally sensitive wetlands. Included a box culvert, temporary bridge and sheet wall with temporary roadway, large ledge cut, penstock crossing, addition of truck climbing lane, relocation of a stream channel with features constructed to reduce the stream velocity and create fish habitat. Also, involved the reclamation of a gravel pit along the Winooski River to mitigate the wetlands displaced by the new roadway, as well as new drainage, and full depth roadway reconstruction.



Town of Sharon FEMA Repair to Route 132 and River Rd., VT. Construction engineering & testing Inspection services, which 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.



Burlington-South Burlington NH 2624(1), VT. Provided office engineer services for work on this project, which includes cold planing existing bituminous concrete pavement, installing handicapped sidewalk ramps, rehabilitation of drainage structures, installing new traffic signs and traffic signals, placement of Superpave Bituminous Concrete Pavement and Polyurea pavement markings.

Newport City BRO 1449(25), VT. Provided an inspector to assist VTtrans RE with establishing survey control points for project, reviewed plans, contract documents and the NETTCP Drilled Shaft manual prior to construction. These activities were done prior to construction to identify any potential conflicts and also plan for the required inspection services. GPI inspection also included the steel erection, deck forming, reinforcement tying and placement of the concrete deck.

Bradford STP 1447(28), VT. Provided CI services with a NACE certified inspector for the rehabilitation of an existing truss bridge on Town Highway 27, in the Town Bradford. Inspections included ensuring compliance with required bid documents, monitored and inspected surface preparations, tested ambient atmosphere conditions, observe coating application of NEPCOAT system, proper coating cure prior to subsequent coats, and wet and dry film thickness measurements and documentation.



St. Johnsbury-Guildhall NH SURF(32), VT. ~26-mile project stretching from St. Johnsbury to Guildhall and going through the Towns of Kirby, Concord, and Lunenburg. Construction included cold planing, 'Blow and Go' crack sealing and pothole repair, spot shim placement at rutted areas, asphaltic bridge plug joints, and paver placed Surface Treatment Type 'C'. After the treatment was in place, center line rumble strips were installed and then coated with a fog seal application to prevent any water penetration and raveling.

Addison-New Haven STP 9632(1), VT. Provided office engineer and construction inspection on this 7-mile reclaim of Route 17. Required cold planing, initial reclaim, underdrain installation, subbase of crushed gravel with grading for superelevated turns, reclaim with Portland cement, cold mix asphalt base course, bituminous concrete pavement, ditching, signage and final striping.



Castleton-West Rutland STP 2705(1), Castleton AC STP 2908(1), Castleton AC STP 2909(1), VT. Provided construction inspection services for a combined project of ~11.2 miles of Rte 4A, Rte 30 and Castleton State Highway within the Towns of Castleton and West Rutland. Improvements included cold planning and resurfacing with a superpave leveling shim and wearing course and in some locations, warm mix asphalt with an organic wax additive, guardrail and bridge railing upgrades, Railroad rehabilitation at Crossing, drainage inlet

rehabilitations and adjustment of structures, sidewalk ramps, new signs and final thermoplastic and polyurea striping.

Hartford-Sharon IM 089-1(57), Sharon-Royalton IM 089-1(58), VT. Provided construction inspection services for a combination of these two projects requiring cold planing and superpave asphaltic concrete paving on Interstate 89 northbound and southbound. Also included in this project were ramps at Exit 1 and 2, along with a portion of the ramps at the interchange with Interstate 91. Improvements for safety included milling and placement of a superpave leveling and wearing course of paving, drainage inlet rehabilitation and stone slope/swale work, bridge joint repairs with a rapid setting concrete and asphaltic plug joint, guardrail, signs and final thermoplastic and recessed polyurea striping.



Williston-Georgia IM MEMB(25), VT. Provided construction Inspection for bridge numbers 63 (N & S), 84 (N & S) on Interstate 89, and Bridge 67 on Interstate 189. Construction involved replacement of bridge deck membranes including: identifying and performing Class I, II and III concrete repairs, deck blasting surface treatment, water repellent silane, new sheet membrane (torch applied), asphaltic plug and rapid setting concrete joint repairs, re-pointing granite curb, cold planing and new asphalt overlay on bridge decks and striping. Each bridge required phased traffic control and a temporary signal system was utilized for merging at the end of an off ramp for bridge 67.



Berkshire BHF 0283(9)S, VT. Provided NACE certified CI services for bridge 30 on VT Rt. 118 over the Mississquoi River in the Town of Berkshire. Coordinated compliance with required submittals: Class 1A containment, site specific health and safety plan, environmental monitoring plan, waste management plan while complying with all permits. Monitored and inspected surface preparations, tested ambient conditions for required environment for coating applications, chloride tested steel, anchor profile on surface preparations, clean compressed air free of oils and grease, and wet and dry film thicknesses.



State of Vermont Recovery Efforts from Hurricane Irene and Tropical Storm Lee, Underwater Bridge Inspections, Various, VT. Provided a wide array of services to assist the State of Vermont with their on-going efforts to recover from the devastating effects of Hurricane Irene and Tropical Storm Lee. Services provided to date include staffing incident command center, providing scouting teams for bridge/roadway inspections, survey work, construction inspection and coordination with emergency reconstruction efforts including working with FEMA on a daily basis. Underwater Bridge Inspection efforts involved initial scoping, underwater inspections, development of repair drawings and working with the emergency contractor to make repairs on over 15 bridges.



Rutland City NH 271 6(1), Rutland City, VT. Work performed under this project includes cold planing and resurfacing of the existing highway with a shim/leveling course and wearing course, new pavement markings, drainage improvements, at-grade rail crossing rehabilitation, video vehicle detection systems, sidewalk ramps, new signs and other highway related items.



Rutland City STP 019-3(57), Rutland City, VT. Work performed under this project includes box cut widening, sidewalk and curb replacement, shared use path construction, storm and sanitary sewer improvements and relocation, water valve installation, street lighting and other incidental items.



Rutland City-Proctor STP 2728(1), Rutland City, VT. Work performed under this project includes 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.



Key Construction Inspection Services Personnel

Below is a summary of two key people that will be involved:

Mr. Nathan Danforth, PE will be our Director of Construction Services. He has a large and diverse staff of inspectors available for any assignment and/or project. Mr. Danforth is a professional engineer with 44+ years in the Transportation field. He rose through the ranks over a 36 year career with the Vermont Agency of Transportation. His tenure included responsibilities in Structures Design, Roadway Design, Materials Analysis, Specification Writing, Transportation Research, and responsibility for the Construction of many Transportation projects in Vermont. His career culminated with several years as VAOT Statewide Construction Engineer, where he had responsibility for the entire VAOT's Construction program.

Mr. Carl Fielder will be our Senior Construction Inspection Supervisor. Mr. Fielder has 40+ years of VTrans and GPI experience. His career started out as a highway tech providing various services including soils tests on interstate projects and assisting with roadway designs and item quantity calculations. He then earned his way through the ranks in the State of Vermont Information Systems and financial data processing departments as a programmer and analyst, respectively, until becoming a division supervisor in each. Further in his career, Mr. Fielder worked within the pavement management section assisting with development of the annual paving program, implementation of the pavement management automated system, problem solved issues with construction staff on active construction projects and oversaw the design and development of STP and NH paving projects. Later in his career, he was a resident engineer for the Agency on various roadway, bridge and safety projects. In his current construction supervisory role he provides personnel and project oversight throughout the State of Vermont for GPI.

Mr. Ronald Gray, P.E. will be our Construction Inspection Supervisor. Mr. Gray has 40+ years of experience in the construction industry. He spent 39 ½ years with the Construction Section of the Vermont Agency of Transportation with increasing levels of responsibility. He began as an inspector and then a Resident Engineer in the field for 18 1/2 years. He then took a position in Construction's main office as Assistant Finals Engineer and was promoted to Finals Engineer 1 ½ years later. He served as Finals Engineer for 5 years. He served the final 14 ½ years of his career with the Agency as the Northeast Regional Construction Engineer.

Mr. Patrick Kenneally, P.E. will be our Principal Engineer/Outreach Manager. Mr. Kenneally is the Branch Manager of the Albany, NY office. He has worked on numerous major transportation projects in both technical and managerial roles. Typical duties include developing design alternatives, performing initial calculations, preparing technical reports and managing all aspects of the design, coordinating the preparation of plans, specifications, estimates, environmental permits and other contract documents, developing and implementing proactive community involvement programs and ensuring that appropriate quality assurance/quality control guidelines are followed.

Resumes of all personnel that may provide services to the various municipalities are included herein.

Demonstrated Commitment to Quality

Since 1996, GPI has been working for the State of Vermont and this repeat business is a testament to the quality of work our staff and firm has provided on many VTrans projects. Our Consultant Evaluations ratings have consistently been "excellent" with respect to the quality of our staff, process and the product. One of our evaluation, VTrans stated the following in the Summary and Recommendation section. "The firm meets all expectations for the contract. Overall the firm continues to be a leader in managing their staff and serving the client".

Summary

GPI continues to believe, and our experience has shown that there are three critical components involved in public sector transportation construction projects, they are: **(1) the contract documents, including the plans and specifications; (2) the contractor; and, (3) the owner's on-site engineering staff in charge of the project.** We maintain the owner's on-site engineering and inspection staff is of the utmost importance. A competent, experienced construction engineering and inspection staff can recognize any design defects early, correct them in the field, and appropriately direct the contractor. Similarly, the highly proficient staff can overcome a less than experienced contractor by constantly keeping on top of the contractor's progress and insisting on quality work. Recognizing this, GPI will provide only thoroughly trained, experienced, qualified and competent technical inspection and engineering staff for municipal projects.



SECTION 3.

Resumes



Nathan R. Danforth, P.E.

Project Manager / Assistant Vice President

Professional Profile

Mr. Danforth is a professional engineer with 44+ years in the Transportation field. He rose through the ranks over a 36 year career with the Vermont Agency of Transportation. His tenure included responsibilities in Structures Design, Roadway Design, Materials Analysis, Specification Writing, Transportation Research, and responsibility for the Construction of many Transportation projects in Vermont. His career culminated with several years as VAOT Statewide Construction Engineer, where he had responsibility for the entire VAOT's Construction program.

Project Experience

Construction Inspection Term Contract, Vermont Agency of Transportation, Montpelier, VT. 2007+. As Director of Construction, Mr. Danforth is responsible for various construction projects throughout the northeast and northwest areas of Vermont. He serves as Project Manager for inspection staff assigned to these projects under GPI's open-end contract.

Bennington Bypass Northern Segment, VT. 2007+. Mr. Danforth oversees the Construction Inspection efforts for the Bypass Northern segment. He serves as a liaison between VTrans personnel and the consultant team. The project was established due to traffic congestion on Route 7 and Route 9. There exists a bypass from Route 9 west of Bennington to Route 7 North of Bennington. This project is for the connector from Route 7 north of Bennington to Route 9 east of Bennington. GPI is providing construction inspection for three construction contracts in stage 1 of these projects. The work being performed under this contract includes grading, drainage, subbase and pavement for a section of this limited access highway, Route 279. Also, included is the construction of a new bridge carrying Route 279 over Chapel Road, a 47.2 meter pedestrian underpass for the Bald Mountain Hiking Trail and the reconstruction of the Veteran's Reservoir. The work also includes the full construction of a section of limited access highway, including two bridges, one over East Road and a long structure over Furnace Brook and the river valley. Sample quantities, 142,500 cm common earthwork, solid rock excavation 3,800 cm, excavation of surfaces and pavements 12,500 cm, 628,000 kg curved plate girders steel, high performance concrete 42,000 cm. Work to be performed includes grading, drainage, subbase, and pavement and also includes Furnace Brook bridge, East Road Bridge, Route 7 drainage swale, rock slope removal Exit 2 Route 7 and stage 1 material deposit sites.

Prior Firm Experience with Vermont Agency of Transportation

2001-2005. Statewide Construction Engineer. Manager for VAOT's Construction program. Projects include from bike paths and covered bridge repair, to a major 22 span bridge over Mississquoi Bay of Lake Champlain. Active in AASHTO, including AASHTO Sub committee on Construction.

1987-2001. North East Regional Construction Engineer. Responsible for the Construction program in the Northeast quarter of Vermont. Initiated the Regional Office concept, bring VAOT closer to the public and Contractors. Very active on miscellaneous committees including rewriting of the Specifications book.

1980-1987. Chief Research and Testing Engineer, VAOT. Management responsibilities included VAOT's Independent Assurance program, material testing program (physical and chemical) and VAOT's Research program. This Research program sponsored papers to TRB and developed innovative test methods.

1969-1980. VAOT Structures Division. Designed a wide variety of bridges and approach roadways including slab bridges, pre-cast concrete of several types, WF beam bridges, curved plate girders, and covered bridges. Conducted field inspection of large portion of the state owned Railroad Bridges. Developed repair methods for covered bridges as well as normal highway and Railway bridges.

Proposed Project Assignment

Director of Construction Services

Registration/Certifications

1974/Professional Engineer/VT
2007/Fall Protection OSHA 1926.500 Basic

Education

BSCE/1969/Civil Engineering
1981/VT State Certified Public Managers Program

Professional Affiliations

Vermont Society of Engineers (VSE)
Vermont Society of Professional Engineer (VSPE) (Past President)
National Society of Professional Engineer (NSPE)
AASHTO – Subcommittee Construction (Past Member)

Total Years' Experience 45; With GPI: 9



Carl Fielder

Vermont Construction Inspection Supervisor

Professional Profile

Mr. Fielder has 40+ years of VTrans and GPI experience and has proven to be a successful hire for the GPI management and field personnel. He has diverse experience from the Agency of Transportation where his career started out as a highway tech providing various services including soils tests on interstate projects and assisting with roadway designs and item quantity calculations. He then earned his way through the ranks in the State of Vermont Information Systems and financial data processing departments as a programmer and analyst, respectively, until becoming a division supervisor in each. Further in his career, Mr. Fielder worked within the pavement management section assisting with development of the annual paving program, implementation of the pavement management automated system, problem solved issues with construction staff on active construction projects and oversaw the design and development of STP and NH paving projects. Later in his career, he was a resident engineer for the Agency on various roadway, bridge and safety projects. In his current construction supervisory role he provides personnel and project oversight throughout the State of Vermont for GPI. He is the eyes and ears for GPI ensuring the staff is providing the professional service VTrans expects. At times, he does substitute as a temporary fill-in on projects where the regular assigned GPI staff member must attend a personal commitment.

Project Experience

GPI/Greenman-Pedersen, Inc. 05/10+. Vermont Construction Inspection Supervisor. Responsible for overseeing work being performed by GPI consultant staff for VAOT or Town officials.

Interacts with Regional Engineers and Resident Engineers to ensure that GPI is meeting VTrans needs with respect to staffing.

Ensures our CI staff has equipment needed to perform their duties. Oversees training and certification for CI staff and interviews potential CI staff needed for VTrans projects. Also, assist CI staff with specification interpretation.

Prior Firm Experience:

Vermont Agency of Transportation (Construction), NE Region (St. Johnsbury). 04/01-04/10. Transportation Tech Project Supervisor.. Responsible for overseeing the construction (as Resident Engineer) of various roadway, bridge and safety projects for the Vermont Agency of Transportation, which included:

Reclaim/Paving Projects: *East Montpelier, VT Route 14; Marshfield-Cabot US Route 2; and, Lunenburg River Road.*

Paving Projects: *Bradford-Newbury I91; Berlin-Barre City VT Route 62; Bradford-Newbury I91; Fairlee-Newbury I91; Danville US Route 2; Danville-St Johnsbury US Route 2; Williamstown-Barre Town VT Route 14; Barre City US Route 302; Bradford-Orange VT Route 25; and, Brookfield-Berlin (Nova Chip) I89.*

Bridge Membrane Projects: *Bradford-Newbury I91*

Truss Bridge Rehabilitation: *Creamery Bridge in Bradford*

Interstate Statewide Pavement Markings (2003, 2004 and 2005)

Safety Project: *2 year/80 mile guard rail replacement project on I91*

Vermont AOT (Pavement Management), Montpelier, VT. 08/93-03/01. Transportation Tech Project Supervisor. Oversaw the design and development of STP and NH paving projects. Worked with construction staff to resolve construction problems. Worked closely with town officials, state employees and consultant staff to develop designs. Assisted with the implementation of the automated Pavement Management System. Worked in the Program Section to assist with the development of the annual paving program.

Proposed Project Assignment

Vermont Construction Inspection Supervisor

Education

1971/AS/Civil Engineering/Vermont Technical College

Registrations/Certifications

NETTCP HMA Inspector

NHI/AASHTO Roadside design Guide

NHI/Materials Control & Acceptance-QA

NHI/Hot-Mix Asphalt Construction

NHI/Rail Highway Grade Crossing

Improvement Program

NHI/Superpave for the Generalist Engineer and Project Staff

FHWA/Pavement Recycling Guidelines for State and Local Governments Design

Total Years' Experience 43; With GPI: 8



Ronald D. Gray, P.E.

Vermont Construction Inspection Supervisor

Professional Profile

Mr. Gray has 40 years of experience in the construction industry. He spent 39 ½ years with the Construction Section of the Vermont Agency of Transportation with increasing levels of responsibility. He began as an inspector and then a Resident Engineer in the field for 18 1/2 years. He then took a position in Construction's main office as Assistant Finals Engineer and was promoted to Finals Engineer 1 ½ years later. He served as Finals Engineer for 5 years. He served the final 14 ½ years of his career with the Agency as the Northeast Regional Construction Engineer.

Project Experience

GPI/Greenman-Pedersen, Inc. 01/16+. Vermont Construction Inspection Supervisor. Responsible for overseeing work being performed by GPI consultant staff for VAOT and municipalities. Interacts with Regional Engineers and Resident Engineers to ensure that GPI is meeting VAOT's needs with respect to staffing. Ensures GPI's Construction Inspection staff has equipment needed to perform their duties. Oversees training and certification for CI staff and interviews potential CI staff needed for VAOT projects. Also, assists CI staff with specification interpretation.

Prior Firm Experience

Vermont Agency of Transportation (Construction and Materials Bureau). Northeast Regional Construction Engineer. 07/01-12/15. In this position, Mr. Gray directed and supervised the work of the Northeast Region of the Construction Bureau. Specific duties included;

- Directly responsible for all activities in the region. Responsible for ensuring that contracts were administered in accordance with the contract documents, the environmental permits, and all safety regulations. Involved with project matters that concerned property owners, disputes between the Contractor and VTrans, assisting with claims analysis, and all other procedural matters.
- Directing and supervising the work of all personnel assigned to the Northeast Region which consisted of a Regional Technician, an Administrative Services Technician, a Soils Technician, and Resident Engineers and inspectors that varied in number between ten to fifteen depending on the distribution of work throughout the State. The inspection staff was also supplemented by up to 15 consultant inspectors.
- Reviewing and approving all payments to the contractors, subcontractor requests, and changes of design.
- Reviewing and approving submittals from the contractors for schedules, traffic control plans, erosion prevention and sediment control plans, cofferdams, erection plans, etc.
- Scheduling and moderating Preconstruction Conferences and Final Inspections.
- Issuing the Completion and Acceptance Memo for contracts once all field work has been completed and all materials incorporated into the work have been certified and/or tested.
- Served as Acting Construction Engineer in their absence.

Vermont Agency of Transportation (Construction Division). Finals Engineer. 06/96-07/01. In this position, Mr. Gray directed and supervised the work of the Finals Unit. Specific duties included;

- Directing and supervising the work of all personnel assigned to the Finals Unit.
- Directing the determination and checking of all final quantities and an orderly and systematic presentation of original source and final documents for permanent filing with the Record Plans, along with reviewing of all final assembled materials.
- Aiding and advising the Regional Construction and Resident Engineers of uniform record keeping and documentation requirements.
- Submitting to the Construction Engineer a bi-weekly "Status of Projects" report and at the end of the year a summary of all construction projects completed during the year.
- Reviewing written orders, changes in design, supplementary agreements, daily reports, and extra work orders.
- Determining Extensions of Time and liquidated damage charges.

Proposed Project Assignment

Vermont Construction Inspection Supervisor

Education

1976/BS/Civil Engineering/University of Vermont

Registrations/Certifications

1981/Professional Engineer/VT
OSHA 10 Certified

Total Years of Experience: 40



Patrick Kenneally, P.E.

Principal-in-Charge

Professional Profile

Mr. Kenneally is the Branch Manager of the Albany, NY office. He has worked on numerous major transportation projects in both technical and managerial roles. Typical duties include developing design alternatives, performing initial calculations, preparing technical reports and managing all aspects of the design, coordinating the preparation of plans, specifications, estimates, environmental permits and other contract documents, developing and implementing proactive community involvement programs and ensuring that appropriate quality assurance/quality control guidelines are followed.

Project Experience

Construction Inspection Term Contract, Vermont Agency of Transportation, Montpelier, VT. 2007+. Principal-in-Charge. Mr. Kenneally is responsible for various construction projects throughout the northeast and northwest areas of Vermont.

Ryegate Culvert Replacement Design-Build Project, Quality Assurance, Ryegate, VT. 05/14+. Principal-in-Charge. Responsible for a \$15.2M design-build project to replace the existing culverts under US Route 5 and the

Washington County Railroad in the town of Ryegate. This project includes 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 requires deep excavation techniques including sheet walls, tiebacks, soil nails and a dewatering system to facilitate the 65' deep excavation. The project also includes 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 is responsible for assisting in all matters regarding QA for the project. This includes 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, verifying conformance to the plans, permits, and contract, verifying conformance to the Quality Control Plan. *Client: Engineers Construction Incorporated; Owner: VTrans*

NYSDOT CI Term Agreement, Region 1, D030659, Various, NY. 2009+. Principal-in-Charge. Responsible for Construction Inspection Services for various construction projects, which include: bridge replacement or rehabilitation projects including substructure and superstructure repairs; the repair or replacement of bridge decks, overlays, joints, bearings, sidewalks, railing, fencing, overhead lighting, signs, and scuppers; bridge painting and cleaning; stone re-pointing; asbestos removal; and occasional bridge emergency work. Highway reconstruction projects including earthwork; drainage; storm water management; pavement milling; joint repair; crack sealing; asphalt and concrete paving; pavement markings; intersection improvements; sidewalks; retaining walls; roadway lighting; traffic signal systems; intelligent transportation systems (ITS) equipment installation; sign and sign structure replacement; maintenance or installation of appurtenances such as noise barrier, guide railing, median barrier, and fencing; graffiti removal; landscaping; or other routine construction contracts. *Client: NYSDOT, Region 1*

Vermont Post Hurricane Irene Recovery Efforts, Various VT. 2011-2012. Principal-in-Charge. GPI provided a wide array of services to assist the State of Vermont with their on-going efforts to recover from the devastating effects of Hurricane Irene. Mr. Kenneally ensured the financial and technical resources were available to successfully complete projects within this recovery effort to get Vermont back up and operating as soon as possible. Starting on August 29th, the day after the storm hit, GPI staff began working with the State of Vermont and several municipalities on a massive response and recovery effort. Since that time, over 35 employees from GPI's Albany Office have participated, and a core staff of about 20 have been working continuously throughout Southern Vermont on a variety of tasks. The services provided to date include: staffing the Incident Command Centers in Rutland and Dummerston; providing Scout Teams to identify damaged areas; coordinating the efforts of Scout Teams and Special Inspectors provided by other public and private entities; performing Special Inspections of damaged areas identified by Scout Teams; bridge inspections; roadway evaluations; slope failures; traffic control evaluations; safety evaluations; underwater inspections: performing survey and stakeout for repair work. *Client: Vermont Agency of Transportation*

Proposed Project Assignment

Principal Engineer/Outreach Manager

Registration/Certifications

1997/Professional Engineer/NY

2001/Professional Engineer/VT

Education

BS/1992/Civil Engineering

Total Years Experience 25; With GPI: 20



Anthony LaVigne

Construction Services

Professional Profile

Mr. LaVigne has 37+ years of experience in the public works industry that included supervising all personnel and projects in the Highway Department, Buildings and Grounds, Solid Waste, Fair Grounds and Health and Safety Divisions. Work included budgeting, developing and overseeing many roadway and bridge projects, building projects and daily interaction with the Board of Supervisors. His experience included overseeing construction of the new Essex County Court House, Jail and Public Safety Building along with numerous other building projects at the fair grounds and County complex. He has worked closely with architects and engineers and contractors on many of the County projects.

Project Experience

GPI/Greenman-Pedersen, Inc. 06/2014+. Construction Services.

Pittsford Railroad Bridge Rehabilitation, Town of Pittsford, VT, Project # Pittsford HPP ABRB(9). 07/16+. Construction Inspector. Provide daily inspection and project oversight to ensure construction according to design plans and specifications while complying with current federal, state and local requirements. Duties consisted of quality assurance of the contractors work with regard to materials and construction. The work generally consists of rehabilitation of a 210 foot, 2 span, steel truss bridge built in 1900. The project is currently under construction. *Client: Vermont Agency of Transportation, Contact: Tim Pockette; (802) 786-3811 office; (802) 793-4027 cell; Email; tim.pockette@state.vt.us. Estimated project completion date; 10/17*

Ripley Road Bridge replacement, Rutland City, VT, Project # Rutland City BRF 3000(19). 04/16-07/16 Construction Inspector. Provided daily inspection and project oversight to ensure construction according to design plans and specifications while complying with current federal, state and local requirements. Duties consisted of quality assurance of the contractors work with regard to materials and construction. The work generally consisted of replacement of a 220 foot, 2 span, prefabricated steel truss bridge. The project was completed in September 2016. *Client: Vermont Agency of Transportation, Contact: Tim Pockette; (802) 786-3811 office; (802) 793-4027 cell; Email; tim.pockette@state.vt.us.*

Brown Covered Bridge Rehabilitation, Town of Shrewsbury, VT. Project # BHO 1443(49). 05/15-12/15. Construction Inspector. Provided daily inspection and project oversight to ensure construction according to design plans and specifications while complying with current federal, state and local requirements. Duties consisted of quality assurance of the contractors work with regard to materials and construction. The work generally consisted of rehabilitation of a 112 foot span town lattice wooden covered bridge. The project also included rehabilitation of dry laid stone abutments. The project was completed in December 2015. *Client: Vermont Agency of Transportation, Contact: Tim Pockette; (802) 786-3811 office; (802) 793-4027 cell; Email; tim.pockette@state.vt.us.*

Lincoln Hill Road Culvert Replacement. Town of Shrewsbury, VT. Project # STP 1443(44). 06/15-10/15. Construction Inspector. Provided daily inspection and project oversight to ensure construction according to design plans and specifications while complying with current federal, state and local requirements. Duties consisted of quality assurance of the contractors work with regard to materials and construction. The work generally consisted of replacement of an old box culvert with a new 12 foot span precast concrete arch and associated approach road and guardrail. This project was completed in October 2015. *Client: Vermont Agency of Transportation, Contact: Tim Pockette; (802) 786-3811 office; (802) 793-4027 cell. Email; tim.pockette@state.vt.us.*

County Route 16 over Halfway Brook, Town of Fort Ann, Washington County, NY (PIN 1755.14; BIN 3-30624-0). 06/14-01/15. Senior Inspector. Provided daily inspection and project oversight to ensure construction according to design plans and specifications while complying with current federal, state and local requirements. Duties consisted of quality assurance of the contractors work with regard to materials and construction. *Client: Washington County, NY, Contact: Scott Tracy (518) 746-2445*

Proposed Project Assignment

Tech III

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

2016/NETTCP Concrete Insp.
2016/NETTCP HMA Insp.
2016/Nuclear Density Gauge Operation
2016/ACI Concrete Field Testing Technician Grade I

Total Years' Experience: 37

Bethany Bosch

Construction Services

Professional Profile

First assigned to the Bennington Bypass Project, Ms. Bosch was responsible for building and maintaining an electronic and paper filing system, assisting the Office Engineers, and performing field inspections. In the wake of Tropical Storm Irene, Ms. Bosch was brought on to aid in the rebuilding effort of the Route 9 Woodford Bridge washout and to help with the Route 107 reconstruction project as the Office Engineer. Through overseeing a team of office staff, it was her responsibility to ensure work was documented correctly in State databases on a multi-million dollar emergency repair. Experienced with State procedures, computer databases such as Site Manager and MATS, electronic filing systems, office management, field inspection procedures, and certified in NETTCP, ACI, ATSSA Traffic Control Supervisor, and OSHA 10; Ms. Bosch has built upon a strong office background with field experience. She is currently attending Vermont Technical College in the Civil Engineering Program.

Proposed Project Assignment

Tech III

Registration/Certifications

2016/NETTCP Concrete Inspector
2015/ NETTCP Soils Technician
2014/NETTCP Drilled Shaft Inspector
2013/NETTCP Drive Pile Inspector
2012/NETTCP HMA Inspector
2012/ATSSA TCS
2016 ACI Concrete Field Tech Grade 1
2009/OSHA 10

Total Years' Experience: 9

She is currently attending Vermont Technical College in the Civil Engineering Program.

Project Experience

Rutland City Bridges. 01/15+. Tech III. Office Engineer and supplemental field inspection for concrete testing, paving, and utility installation. *Client: VTrans*

Rutland City – Proctor Reconstruction. 04/14-12/14. Tech III. Began the \$10M project as the Office Engineer and then transferred to field inspection to expand experience and diversify skills. *Client: VTrans*

I-91 Bridge Design-Build Brattleboro, VT. 06/13-04/14. Tech III. Office Engineer. Oversaw documentation provided by Design-Build team, submittal tracking, processing payment, and assisting the VTrans team onsite with administrating the Design-Build contract. *Client: VTrans*

Route 2 Reconstruction and Beautification Project, Danville, VT. 02/12 – 10/13. Tech III. Office Engineer. Oversaw documentation of field work, drafting contract changes, and coordinating scheduling of outside entities involved with the project such as utility companies and artists. Field inspector for multiple operations including landscaping, paving, and sign installation. *Client: VTrans*

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: VTrans*

Route 9 Reconstruction Project, Woodford/Bennington, VT. 09/11-10/11. Tech II. Office Technician. In charge of collecting construction documents and entering the data in State computer system. Field Inspector confirming contractors' time and materials for 5 separate sites damaged by Tropical Storm Irene. *Client: VTrans*

Bennington Bypass, Route 279, Bennington, VT. 06/09-10/11. Admin Services Tech III. Clerical and technical position responsible for office management, project file maintenance, electronic recordkeeping (including photo, audio, and video files), ensuring contractor payroll rate compliance, assuming all duties of Office Engineer as needed, assisting in organization of finals documentation, drafting and proofing project paperwork and official documents, and conducting field inspections on blasting, lighting installation, drainage, and paving. *Client: VTrans*

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. *Client: VTrans*

Bruce A. Boyle

Construction Inspector

Professional Profile

Mr. Boyle has many years of experience as a construction inspector. 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.

Project Experience

Rutland City/Proctor, Rutland City, Rutland City

STP 2728(1), NH 2716(1), STP 019-3(57), VT. 2014- 2015

Senior Inspector/Office Engineer. 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 highway markings
Client: Vermont Agency of Transportation. Contact: Mark Mackintosh, (802) 786-0023

Sudbury-Brandon STP 0158(3), VT.

2013
Senior Inspector/Office Engineer. 4.5 miles of paving including pavement reclamation, cold planing, base course, leveling paving course, wearing course, guardrail, new signs, drainage, highway markings

Client: Vermont Agency of Transportation. Contact: Mark Mackintosh, (802) 786-0023

Castleton, Castleton, Castleton / West Rutland

STP2908 (1), STP 2909 (1), STP 2705 (1), VT. 2012

Paving 10.3 miles of state highway including cold planing, leveling paving course, wearing course, guardrail, new signs, drainage, highway markings

Client: Vermont Agency of Transportation. Contact: Mark Mackintosh, (802) 786-0023

Brandon NH019-3 (495), VT.

2009, 2010, and 2011. Senior Inspector/Office Engineer. Work included full depth reconstruction of 3 miles of Route 7. Involved 78,000-cm of common excavation, 20,000-cm solid rock excavation and 38,000-Tons of asphalt pavement. *Client: Vermont Agency of Transportation. Contact: Mark Mackintosh, (802) 786-0023*

Rutland City 2108(1)S, VT. 2009. Senior Inspector. Paving 2.2-miles of a center city area with heavy traffic and high local community interest. Work includes cold planing, leveling paving course, wearing course, guardrail, vehicle detector loops, new signs, drainage, highway markings, etc. *Client: Vermont Agency of Transportation. Contact: Mark Mackintosh, (802) 786-0023*

Bennington-Shaftsbury BHF MEMB (3), VT. 2009. Senior Inspector. Bridge membrane replacement on several bridges. *Client: Vermont Agency of Transportation. Contact: Mark Mackintosh, (802) 786-0023*

Rutland- Fair Haven BHF MEMB (2), VT. 2009. Senior Inspector. Bridge membrane replacement on several bridges. *Client: Vermont Agency of Transportation. Contact: Mark Mackintosh, (802) 786-0023*

Proctor HPP ABRB 6, VT. 2007; 2008. Inspector. Construction Inspection. *Client: Vermont Agency of Transportation. Contact: Mark Mackintosh, (802) 773-1384*

Manchester STP 2203 1, VT. 2008. Inspector. Paving 3.8-miles of a center city area with heavy traffic and high local community interest. Work includes cold planing, leveling paving course, wearing course, guardrail, vehicle detector loops, new signs, drainage, highway markings, etc. *Client: Vermont Agency of Transportation. Contact: Mark Mackintosh, (802) 773-1384*

Proposed Project Assignment

Tech V

Registration/Certifications

2010 / ACI – Concrete Inspection
2009 / OSHA Training
2009 / NACE Level I Inspection
2008 / NETTCP Concrete inspection
2007 / NETTCP HMA Paving Inspector
2005/ATSSA – Traffic Control Supervisor/VT
2002/NETTCP – HMA Paving Inspector
2002/Nuclear Density Gauge Operation
2007/Fall Protection OSHA 1926.500 Basic

Education

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

Total Years' Experience 33; With GPI: 16



Brandyn Gadapee

Construction Inspection

Professional Profile

Mr. Gadapee is experienced in roadway construction that includes cold planing and resurfacing of the existing highways, railroad grade crossings, new pavement markings, guardrail, signs and other highway related items.

Project Experience

GPI/Greenman-Pedersen, Inc. 04/15 to Present.

Construction Inspector. Oversee construction practices and assure they are in compliance with VTTrans Standard Specifications. Compose and submit daily reports that go in-depth with all construction activity that day. Check and verify all materials used for construction against submittals and check and verify the installation of materials. Review and proofread plans, specifications, submittals and shop drawings.

Bradford-Ryegate STP 2929 (1), VT. 2016. Inspector.

Construction Engineering Inspection and Testing and Inspection Services. Project involved cold planing and paving of the existing highways, new pavement markings, guardrail, signs, rail-highway grade crossing AARDOT 053-598A and other highway related items. \$7.4.M; *Client: VTTrans*

Saint Johnsbury-Lyndon STP 2936 (1), VT. 2015. Inspector. Construction Engineering Inspection and Testing and Inspection Services. 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. \$8.M; *Client: VTTrans*

Waterford IM SURF(47), VT. 2015. Inspector. Construction Engineering Inspection and Testing and Inspection Services. Project involved surface preparation involving patching, pot hole repair, crack sealing and overlaying with a thin bituminous concrete wearing surface on the existing interstate typical, pavement markings, and other related highway items. \$2.5M; *Client: VTTrans*

Site Manager Maintenance/Materials Acceptance Updates, VT. 2015/16. Consultant. Worked with several 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 IPSMs, corresponded with resident engineers, and closed out past projects. The work for this project took place at the VTTrans Materials & Research Lab in Berlin, VT.

Prior Firm Experience:

Dufrense Group Consulting Engineers, Saint Johnsbury, VT. 05/14-11/14. Resident Project Representative. Oversaw the contractor and subcontractors to ensure the work being completed was in accordance with the plans and within specs. In charge of recording construction activity and materials being used daily. Ran a monthly meeting with contractors, owners and engineers to discuss past, current and future problems and coming up with solutions.

J.A. McDonald Inc., Lyndonville, VT. 2012 & 2013 (summers). Laborer. Built level-spreaders on Lowell Mountain for Community Wind Project. Laid out and staked roadway on Jay Mountain. Set blue tops for fine grading. Set structures, sewer pipes, and water quality units to grade.

Proposed Project Assignment

Tech II

Education:

AE/2014/Civil & Environmental Engineering
Technology

Registration/Certifications:

ACI Concrete Field Testing Technician Grade
I/2016
NETTCP HMA Inspector/2016
NETTCP Concrete Inspector/2016
Nuclear Density Gauge
OSHA 10
NETTCP Driven Pile Inspector/2017 (Anticipated)
ATTSA Traffic Control Coordinator/2017
(Anticipated)

Total Years' Experience: 4

Craig P. Plumb

Construction Services

Professional Profile

Mr. Plumb began his career with VTtrans and currently has 25+ 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.

Project Experience

Greenman Pedersen, Inc., Albany, NY Branch/VT. 04/14+.

Mr. Plumb has provided construction inspection services for various VTtrans projects, including Richmond Park and Ride, Richmond signal improvement, Waitsfield-Moretown paving, Richmond-Colchester paving, Swanton-Enosburg paving, Site Manager Audit Team for 2015, Statewide HES MARK, Office Engineer for the Colchester Mill Pond Bridge and the Statewide IMG MARK project, member of the IPISM team for Materials and Research in the winter of 2015-2016, Chief Inspector for the Middlebury-Ferrisburgh NH Paving, Chief Inspector for the Ferrisburgh Signal project, and inspector for the Bristol Bridge repair.

Prior Firm Experience

Jackson Demolition Services, Schenectady, NY/Waterbury, VT. 11/13+. 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. As the Director of Public Works, 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 linear feet of gravity and forced sewer main, a new pump station, and close to 1,000 linear feet 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.

Proposed Project Assignment

Tech V

Education

2005/Vermont Local Roads Management Academy, Williston, VT
AS/Civil Engineering Technology/1989-1991/Vermont Technical College Randolph Ctr., VT
AS/Small Business Management/1985-1987/Dean Junior College Franklin, MA

Registrations/Certifications

ACI Level I - 2015
NETTCP Concrete Technician - 2016
NETTCP HMA Paving Technician - 2015
NETTCP Driven Pile - 2016
NETTCP Soils & Aggregates - 2017 (Anticipated)
OSHA - 10 Hour
NHI Bridge Inspection Course - 2017 (Anticipated)

Total Years' Experience: 25

Craig P. Plumb

Construction Services

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.

Professional Affiliations

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 Home Owners Association

Dillon Bianchi

Construction Services

Professional Profile

Mr. Bianchi has several years of experience in the construction industry. He is proficient in Site Manager, AutoCAD 2012, roadway design, water and septic design, civil and environmental design, layout, surveying, estimating, and soil and material testing.

Project Experience

Brattleboro IM 091-1(65) Design-Build, VT. 03/14 - Present. Office Engineer. Duties include, coordination between consultants and external agencies, overseeing documentation provided by Design-Build team and proper filling of said documents, monitoring project budget/schedule/delays, observing traffic volume/patterns/delays, submittal tracking, processing of payment, surveying of the bridge for geometry control and abutments and roadway for elevation and location and assisting the VTrans team onsite with administrating the Design-Build contract and documents. *Client: Vermont Agency of Transportation*

Prior Firm Experience

USDA Natural Resources Conservation Service, Colchester, VT. 2012-2014. Performed site investigations, land surveys, CAD work, and data collection for diverse farm projects. Prepared and reviewed engineering designs and reports which included design calculations and plan preparation. Implemented quality assurance measures to ensure that projects got carried out as designed and made recommendations for additions as needed.

NRG Systems, Hinesburg, VT. 2010-2011. Worked as member of the production team for wind energy projects. Built, packed and shipped towers for incoming orders. Also, involved in onsite tower field work and in the development of a taller tower prototype.

Resident Director, Vermont Technical College. 2012-2013. Supervised resident assistants and students, helped to build a sense of community and used conflict resolution skills, when needed. Planned large group activities.

Resident Assistant, Vermont Technical College. 2009-2012. Organized small and large group events and activities, sharpened leadership skills by creating community, and assisted Residence Life.

Richmond Home Supply, Richmond, VT. 2005-2010. Worked at customer service activities, ordering & delivery of goods, and operating a forklift.

Proposed Project Assignment

CE II

Registration/Certifications

2014/OSHA 10
2015/NETTCP - Concrete Inspection
2015/NETTCP - Drilled Shaft Inspection
2016/NETTCP - Driven Pile Inspection
2016/ACI - Concrete Field Testing
2016/PTI - Bonded PT Level 1
(Pending Level 2)

Education

2012/BS/Sustainable Design and
Technology/Vermont Technical College
2010/AE/Civil and Environmental
Engineering Technology/Vermont
Technical College

Total Years' Experience: 3

Daniel J. Fletcher

Construction Services

Professional Profile

Mr. Fletcher's background includes a unique assortment of experience presenting leadership, communication, and management skills including 5 years of experience as an inspector for work conducted on Vermont Agency of Transportation projects and Quality Control testing for field activities. Mr. Fletcher presents excellent written and oral communication skills and is proficient in Microsoft Word, Excel, Access, PowerPoint and Site Manager.

In addition to the registrations and certifications highlighted to the right, Mr. Fletcher completed several workshops broadening his knowledge including UMASS Dartmouth – Warm Mix Asphalt Technologies, UNH – Porous Pavement Workshop, Certified Airport Pavement Design, Construction & Maintenance Workshop at Logan Airport, PQI (Pavement Quality Indicator) 301, and Troxler Nuclear Density Gauge.

Project Experience

Waterbury IM 089-2(43), VT. 03/16+. Construction Inspector.

Bridges 46 N&S; are located on I-89 (M.M 63.55) over Stowe Street and Thatcher Brook in the Town of Waterbury. Bridge 46A

is located on I-89 exit ramp over Stowe Street and Thatcher Brook in the Town of Waterbury. Project involves removal and replacement of concrete decks on bridges 46 N&S; with related approach work and construction of temporary crossovers and vt100/i-89 intersection modifications, replacement of bridge 46a with related approach work and construction of a temporary off ramp for traffic maintenance. Stowe Street work includes cold planing and paving, re-constructing sidewalk and curb, modifying existing parking area striping and other incidental items.

Prior Firm Experience

Boswell Engineering - Field Inspector, Various Locations, NY & VT. Responsible for inspection of all work conducted on Vermont Agency of Transportation Projects.

Manchester Roundabout STP 0137 (17) S – Installed new precast bridge, water and sewer lines, two roundabouts, underground utilities, sidewalks, granite curbing, storm drainage, paving, and traffic control.

Client: Vermont Agency of Transportation

Montpelier NH 028-2(9) – Work consisted of clearing the ledge face, hand scaling, machine scaling, solid rock excavation, drilling, blasting, and traffic control. *Client: Vermont Agency of Transportation*

Bolton – Waterbury STP 2709(1) – Cold Planing, reclaiming, concrete slab removal, cold mix paving, paving, pavement markings, guardrail, signs, ditching, and shoulders. *Client: Vermont Agency of Transportation*

Waterbury NHG SGNL (43) – Installed new traffic signal system, conduit, signs, and pavement markings.

Client: Vermont Agency of Transportation

Waterbury IM 089-2 (43) – Removal and replacement of bridge decks on 46N and 46S along with approach work, construct new off ramp bridge 46A, temporary crossovers, construction of new exit 10 on ramp, temporary off-ramp, and relocate VT 100/ I-89 signal system. *Client: Vermont Agency of Transportation*

Waterbury Area STP WKZN (9) – Installed new traffic signal, Signs, pavement markings, and driveway relocation. *Client: Vermont Agency of Transportation*

Retail Sales Company, VT. 01/11 - Present. Owner of Vermont Maple Outlet, Retail Sales and Bookkeeping.

Proposed Project Assignment
Tech IV

Education

1998/Certificate/Security Police Training
Community College of the Air Force
2005/BS/Business Technology &
Management
Vermont Technical College

Registrations/Certifications

OSHA 10-Hour Course
NETTCP HMA Paving Inspector
NETTCP Driven Pile Inspector
NETTCP Concrete Inspector
ACI Concrete Field Testing Technician
MSHA(Mine Safety and Health Training) 24
Hour Course

Total Years' Experience 8

Daniel J. Fletcher

Construction Services

Quality Control Technician, VT & NH. 9/08 – 12/10. Performed aggregate property testing, hot mix asphalt design, lab testing, field density testing, inspecting and monitoring.

Springfield STP 0136 (1) – Conducted all aggregate testing for reclaiming, and tested all hot mix in the lab with VTRANS inspectors.

Rockingham – Chester NH 2628 (1) Performed lab testing on the materials, asphalt, and conducted field inspection throughout the project.

Windsor – Hartland AC IM 091-1 – Conducted quality control in the field for all paving operations conducted on the project.

Newfane – Townshend STP 2401 (1) Performed field quality control on all aspects of the project.

Laborer, 06/06 - 09/08. Performed site layout, cleared for roads and house sites, installed water and sewer lines, and installed new septic systems.

Parts Specialist, 08/04 - 04/05. Responsible for customer service and inventory analysis.

Law Enforcement, 09/97 – 03/01. Provided initial command and control of forces responding to security alarm situations; conducted routine patrol and checks of base facilities; worked in Korea, Turkey and Greece.

David Kraus

Construction Services

Professional Profile

Mr. Kraus is currently attending Vermont Technical College completing his degree in Construction Management. His anticipated graduation date is May of 2016. Mr. Kraus is a hard working individual who is currently employed with Vermont Agency of Transportation as a Tech Apprentice III. His current responsibilities include monitoring contractor work on a bridge & road project to ensure compliance with plans & specifications.

In addition to this field experience and certifications listed, Mr. Kraus has obtained additional training in AutoCAD, Surveying (Total Station & Transit), Excel, On-Screen Take-Off, Highway Safety Training and Nuclear Density Testing. Mr. Kraus also completed various classes in environmental science during 2010 - 2011 at the University of Vermont.

Project Experience

Current Assignment:

Vermont Agency of Transportation, VT 2015-Present. 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.

Poultney Pools & Hardware, West Rutland, VT. Summer 2008 - Present. 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.

Rutland Town Fire Department, Rutland, VT. May 2011 – Present. Certified Firefighter Level II. Interior firefighter and driver.

Prior Firm Experience

Master Key Ranch, Wilsall, MT. Summer 2004 – 2007. Ranch 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.

Proposed Project Assignment

Tech III

Education

2016/BS/Construction Management – Vermont Technical College (Anticipated 2016)
2014/AAS/Civil & Environmental Engineering Vermont Technical College

Certifications

ACI Certified
CPR & AED Certified
OSHA 30 Certified

Total Years' Experience 1

Donald R. Spruit, P.E.

Construction Services

Professional Profile

Mr. Spruit has 40+ years of experience in the construction industry and is highly experienced in utility, highway and bridge construction projects. He has a proven history of successfully managing all aspects of his projects and completes them on-time, on-budget and with high-quality.

Project Experience:

GPI/Greenman-Pedersen, Inc., Albany, NY. 04/09 - Present. Office Engineer/Chief Inspector/Field Inspector. Mr. Spruit is assigned as a consultant to projects for the Vermont Agency of Transportation. The projects include all types of new and reconstructed roads and bridges. He is responsible for project documentation, reporting, field inspections, and material testing.

Resident Engineer/Field Inspector. He was assigned to projects for the Town of Sharon, VT. Work included box culverts, retaining wall, wash-out repairs, and a new bridge.

Prior Firm Experience

Wright Construction Company, Mount Holly, VT. 06/07-

03/09. Senior Project Manager. He successfully managed all aspects of construction on a variety of commercial and institutional projects. His duties included estimating, scheduling, and managing subcontractors and self-performed work.

Grand River Construction, Hudsonville, MI. 06/01 - 05/07. Project Manager. He successfully bid and managed concrete and general trades work on a variety of projects as both a prime contractor and a subcontractor. The projects included commercial, industrial, and institutional buildings and water and wastewater facilities. He provided engineering support to others on the project management staff.

John A. Russell Corporation, Rutland, VT. 01/00 - 01/01. He served as the Project Manager for the on-time construction of a major \$20M dairy industry project. He managed all building trades and subcontractors and coordinated the equipment suppliers and installers to provide a cutting edge whey processing facility.

Trumbull-Nelson Construction Company, Hanover, NH. 11/95 - 01/00. Senior Project Manager: He successfully managed a variety of building projects. Projects included design/build and negotiated industrial and commercial projects and competitively bid institutional projects. He coordinated self-performed field work and subcontractor work. He provided engineering and design support to the project management staff. He managed design projects from concept to completion.

Design & Build, Inc. of Lansing, Lansing, MI. 03/90 - 10/95. Lead Estimator/Project Manager: He was responsible for preparing estimates for a variety of construction projects including buildings and civil projects. Projects included commercial, industrial, and institutional buildings and water and wastewater facilities. He actively managed all aspects of building projects. He performed engineering and design work for design/build projects.

Simpson Construction, Inc., Rochester, VT. 03/89 - 11/89. Project Manager: He successfully managed schedule, budget, and construction operations for a condominium development project. He performed all procurement and subcontractor administration.

Morrison-Knudsen Co., Boise, ID. 03/82 - 03/89. He worked on the following assignments with an M-K subsidiary, a project site, and a joint venture project site.

- **Buildings Engineer: Black River Constructors (JV), Fort Drum, NY.** 06/87 - 03/89. He served as the liaison between subcontractors, engineering staff and field crews. He reviewed and evaluated design and

Proposed Project Assignment

CE II

Registrations/Certifications

Professional Engineer/MI
Professional Engineer/NH
Professional Engineer/VT
NETTCP Concrete Inspector - 2015
NETTCP Asphalt Inspector - 2013
NETTCP Driven Pile Inspector - 2013
ACI Concrete Field Testing Technician, Grade I - 2014
PCI Precast Inspector, Grades I & II
OSHA – 10 Hour

Education

BS/1972/Civil Engineering

Total Years' Experience: 40+

Donald R. Spruit, P.E. Construction Services

coordination problems for all trades. Project was a major expansion of Army facilities.

- **Construction Contract Administrator: Grand Rapids, MI.** 03/85 - 06/87. He prepared bid documents, solicited and evaluated bids, prepared, awarded and administered subcontracts as part of the Construction Management team for a General Motors plant modernization project.
- **The H. K. Ferguson Company, Cleveland, OH/San Francisco, CA.** 03/82 - 03/85. Construction Contract Administrator: He was responsible for the preparation of bid documents; solicited and evaluated bids; prepared, awarded and administered subcontracts; coordinated with Project Managers and clients on major industrial projects.

The George Hyman Construction Company, Bethesda, MD. 03/81 - 02/82. Project Manager: He was responsible for managing the construction and contract matters for a 12-story office building in Washington, DC. He coordinated with the owner's representative, design team, subcontractors and field personnel.

C.A. Yeager, Inc., Portsmouth, OH. 03/80 - 02/81. Estimator: He was responsible for performing material take-offs and bid preparation for a small General Contractor. He prepared construction schedules and reviewed/approved shop drawings and submittals.

Emkay Development and Realty Company, Lake Arrowhead, CA (A Morrison-Knudsen Co. subsidiary). 11/79 - 03/80. Project Engineer: He was responsible for performing cost evaluations, scheduling and troubleshooting in a field position on a resort/shopping center project.

U.S. Navy Civil Engineer Corps. 06/72 - 10/79. He worked on assignments in Public Works as an officer in charge of construction and with construction battalions.

Emily Doty

Construction Services

Professional Profile

Ms. Doty is an undergraduate majoring in Civil Engineering with experience in office administration work for transportation engineering. Ms. Doty is computer proficient, experienced in advanced mathematics, well organized, and presents leadership skills. She is a quick learner who is attentive to details and works well in group settings. Ms. Doty is eager to continue gaining experience in the transportation engineering field of study.

Ms. Doty has taken a public speaking course which has improved her ability to articulate thoughts and ideas to a group of people with confidence. She also has experience leading groups to a common goal, let it be as a tennis teacher, working on a group project, or as a 4H STEM ambassador.

Current Experience

Fogler Library, University of Maine, ME. 09/15 – Present. Circulations Staff. As Circulations Staff member Ms. Doty attends to the main desk of the library, checking out books, sorting returns, organization the sorting, shelving and pulling of books along with answering general questions.

University of Maine, Orono, ME. Ms. Doty is a current civil engineering undergraduate at the University of Maine. Her GPA is 3.46 and completed 54 credit hours thus far and is currently completing 17 credit hours this semester. Her relevant coursework consists of mathematics up to calculus 3; a general materials course which introduced the characteristics of concrete, steel, wood, and composite materials; an introductory course using AutoCAD; an introductory course into simple computer programming; applied mechanics: statics; physics; and surveying principles in civil engineering.

Prior Experience

Prior Experience

Powers Park, Lyndon, VT. 06/10 – 08/14. Tennis Director. As Tennis Director Ms. Doty organized and planned lessons for the local tennis program, created lessons and taught children between the ages of 5 and 12 the basic rules and motor skills needed for the game of tennis and organized the annual end-of-the-summer tournament for the skilled children.

Vermont Agency of Transportation, St. Johnsbury, VT. 05/15 – 08/15. Temporary Worker. Ms. Doty's responsibilities as Temporary Worker encompassed the handling of paperwork for the Lyndonville / St. Johnsbury Vermont paving project. Ms. Doty was responsible for inputting daily reports, double-checking calculations, entering sample forms, general organization of daily paperwork and administered payrolls to be approved. Ms. Doty had the opportunity to observe projects operations with the project supervisor.

Proposed Project Assignment

Tech I

Education

Undergraduate/BS/Engineering
University of Maine, Orono, ME

Total Years' Experience 1

Eamon M. Duane

Construction Services

Professional Profile

Mr. Duane is a graduate of VTC majoring in Civil and Environmental Engineering. He is proficient in AutoCAD 2012-14, Surveying, Carson Civil 3D 2012, Soil and Material Testing, Hydraulics and Drainage, and he has received his Nuclear Density Certification. He also has received his ACI certification in Concrete Inspection.

Project Experience

Randolph STP 2932 (1), Randolph VT. 2014+. Inspector. Responsible for providing construction engineering inspection services for this project, which involves cold planing, reclaiming, correcting super-elevation deficiencies, bituminous concrete pavement, cold mix base course, new pavement markings, guardrail improvements, drainage improvements, signage and other related highway items. \$8.8M; Client: Vermont Agency of Transportation

Guilford BRO 1442 (36), Guilford VT. 2014. Inspector. Construction engineering inspection and testing and inspection services for this project, which involved removal and replacement of Bridge No. 65 in the Town of Guilford. This was a short duration build with a complete road closure for three weeks. Bridge work required complete abutment removal, pile driving, new pre-cast abutments and bridge decking, new approach grades, guardrail installation, river channel lining, roadway shoulder repairs, grass and stone swales, and turf establishment. \$720,000; Client: Vermont Agency of Transportation

Brattleboro BRO 1442 (35), Brattleboro, VT. 2014. Inspector. Construction engineering inspection and testing and inspection services for this project, which involved removal and replacement of bridge no. 7 in the Town of Brattleboro, on the existing alignment, with associated roadway and channel work. \$1M; Client: Vermont Agency of Transportation

Statewide IMG Mark (114), VT. 2014. Inspector. Construction engineering inspection and testing and inspection services for this project, which included new pavement markings including edge lines, lane lines, dashed and dotted acceleration lines, ramp edge lines, stop bars, letters and symbols and crosswalks. \$575,000. Client: Vermont Agency of Transportation

Hartland CMG PARK (25), Hartland VT. 2014. Inspector. Construction Engineering Inspection and Testing and Inspection Services. project includes reconstruction of the existing park-and-ride facility, including new subbase, constructing a bus shelter, pavement markings, signage, LED lighting, ev outlets, level 1, landscaping and other highway related items. \$330,000 Client: Vermont Agency of Transportation

Prior Firm Experience

Sugarbush Resort, Warren, VT. 05/13-11/13. Water/Wastewater Operator. Integral part of the water/wastewater staff; Responsible for day to day operations of 11 drilled wells, one surface water filtration plant and two wastewater treatment plants; Perform daily operational and field analytical tests; Make adjustments to treatment chemicals to ensure the safety of drinking water.

Stone Environmental Inc., Montpelier, VT. 05/12-08/12. Environmental Technician Intern. Key member of Water Resources Management team; Generated stormwater master planning and design reports for rural communities; Responsible for design and installation of 16 field water monitoring sites; Installed, collected and analyzed Illicit Discharge Detection and Eradication water samples.

Proposed Project Assignment

Tech II

Education

2005/BS/Physical Education/UVM
2013/AE/Civil and Environmental Engineering/Vermont Technical College
2008/Autodesk AutoCAD Training Level I & II/San Francisco State University

Registrations/Certifications

Vermont State Teachers License
NETTCP Driven Pile Foundation Inspection
NETTCP Concrete Inspection
NETTCP Hot Mix Asphalt Paving Inspection
Nuclear Gauge Certification
ACI Concrete Field Testing Technician Grade I

Total Years' Experience: 2; With GPI: 2



Earl E. Kingsbury, PE

Construction Services

Professional Profile

Mr. Kingsbury has several years of experience as a Contract Administrator coordinating between State Agencies, Federal Government, Municipalities, property owners and contractors. He was responsible for administration of contracts by making sure contractors were adhering to plans and specifications, he performed inspections of all work on projects, documented work and measurement for payment, and performed testing on select materials and concrete. Mr. Kingsbury also has experience as a Supervisor and Estimator for selection of the bidding process for state or municipality projects. He is also an Inspector and has performed survey work for the State utilizing GPS.

Project Experience

GPI/Greenman-Pedersen, Inc. 2015+. Chief Inspector. Serving as Chief Inspector on State projects. Responsible for day to day project inspection and project record documentation.

Prior Firm Experience

Boswell Engineering. 2013-2015. Inspector. Utilizing GPS to perform necessary State survey work. Inspection of contractors work. Calculation of quantities.

Morrill Construction, Inc. 2001-2013. Supervisor/Estimator. Estimator for securing work through bidding process. Supervisor of construction on State/Municipal projects. Layout of construction work from design plans. Scheduling of work. Supervision of various crews. Coordination with subcontractors. Coordination between owner, engineer, and various agencies. Resolution of construction plan conflicts.

NHDOT Bureau of Construction. 1984-2001. Contract Administrator. Responsible for administering state construction contracts. Coordinate between State Agencies, Federal Government, Municipalities, property owners, and contractors. Inspection of all work on projects. Supervision of other inspectors. Calculation of quantities for payment.

New Hampshire Department of Transportation, NHDOT Bureau of Construction. 1984-2001. Contract Administrator. Responsible for administering state construction contracts; coordinate between state agencies, federal government, municipalities, property owners, and contractors; inspection of all work on projects; supervision of other inspectors; calculation of quantities for payment.

NHDOT Projects. Assistant Contract Administrator. Duties as Assistant Contract Administrator were to check contractors work on the above items, including performing layout for items or checking the contractor's layout. He would check for adherence to the plans and specifications on the project. He was responsible for documentation of work and the measurement for payment. He performed testing on select materials and concrete.

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.

Proposed Project Assignment

CE III

Education

1984/BSCE/Civil Engineering/Norwich University

Registrations/Certifications

NH/Professional Engineer/#7434

VT/ Professional Engineer/#018.0092703

Total Years' Experience: 31; With GPI: 1



Eric Marshall

Construction Services

Professional Profile

Mr. Marshall is an accomplished project manager with 19 years of experience in the construction industry. He has a strong technical background in construction management and construction materials. Mr. Marshall is highly organized with the ability to work independently as well as with others; he demonstrates strong leadership skills along with excellent verbal, written, and computer skills. His computer skills include AutoCAD 2010, Carlson Survey 2007, Sure Track Construction Management, Foundation Accounting Software, Leica Icon 60 GPS, Leica GS09 Redline GPS, Microsoft Word, and Excel.

Prior Firm Experience

Kingsbury Companies, LLC, Waitsfield, VT. 06-14 - Present.
As Project Manager Mr. Marshall is responsible for the following:

- Review subcontractor and vendor quotes
- Analyze and negotiate subcontracts, purchase orders, and change orders
- Award and sign subcontracts
- Ensure subcontractor and vendors are properly insured according to company policies
- Review design drawings and specifications to identify potential issues
- Generate and process RFIs
- Prepare, submit and negotiate potential change orders
- Build and monitor CPM schedules
- Review and finalize initial project budgets
- Monitor project budgets and make adjustments as needed
- Ensure purchase orders and costs are processed accurately and in a timely manner
- Prepare and implement job safety analysis
- Generate and execute material submittals
- Ensure materials and equipment are delivered in accordance with schedule requirements
- Collaborate with superintendents to share materials, equipment and supplies between projects
- Measure and track daily quantities
- Produce daily timecards, safety and profitability reports
- Prepare monthly costs to complete and pay requisitions

Pike Industries, Inc., Belmont, NH. 06/99 – 06-14. As Quality Control Technician, Mr. Marshall's responsibilities included the following:

- Served as lead quality control technician for Bennington, Rutland and Addison counties
- Maintained compliance with environmental, health, and safety policies, procedures and requirements.
- Designed and submitting HMA designs for VAOT projects.□
- Produced and tested aggregates that met or exceeded VAOT specifications.□
- Adjusted production standards to maintain optimum quality of HMA and aggregates□
- Increased adaptability by implementing warm mix technology□
- Maximized profitability by increasing RAP usage□
- Produced daily HMA and aggregate test reports□
- Generated daily asphalt price adjustment reports□
- Recorded and analyzed data to determine trends, deviations and statistical analysis□
- Attended yearly OSHA / MSHA training sessions

Proposed Project Assignment

Tech III

Education

2000/AS/Civil & Environmental Engineering
Vermont Technical College

Registrations/Certifications

AGCVT - OSHA 30□
USACE - Construction Quality Manager □
NETTCP - HMA Plant Inspector□
NETTCP - HMA Road Inspector□
NETTCP - Soil and Aggregate Inspector□
APNGA - Nuclear Density Gauge□
USDOT - HAZMAT
CPR / First Aid / AED
Traffic Control

Total Years' Experience 19

Hunter Clark

Construction Services

Professional Profile

Mr. Clark graduated Magna Cum Laude from the Vermont Technical College with a degree in Engineering in Civil and Environmental Engineering Technology. With knowledge of understanding road construction plans and processes along with experience and personal use of Topcon GPS devices, Mr. Clark is seeking to secure a permanent position in the field of civil engineering.

Mr. Clark's computer skills include AutoCAD 2013, Carlson 2013, and Microsoft Office (Word, Excel, and PowerPoint) along with field experience surveying with automatic level, surveying with Total Station, surveying with GPS system, concrete mixing, and soils identification.

Project Experience

Current Assignment:

Pike Industries, Barre, VT. 05/14 - Present. Project Engineer. As Project Engineer Mr. Clark assists with scheduling and planning, measures daily quantities for profit/loss, and progress, operates equipment to help crews, uses a Topcon GPS for layout, and utilizes Auto Level for grade stakes. He worked with a fine grade crew on three reclaim projects and performed the layout for a coldplaining crew that used the brand new micro-mill drum.

Prior Firm Experience

Northern Land Surveying, Enosburg, VT. 05/13 – 11/13. Survey Assistant. Mr. Clark helped run the surveying instruments, including the GPS and Leica Total station. He also assisted in conducting topographic surveys & stake outs. Mr. Clark performed basic commands on Micro Survey computer system, performed perk tests and located property corners. Additionally Mr. Clark assisted in deed research and organization.

Hannaford, Enosburg, VT. 04/10 – 01-13. Customer Service Associate. Mr. Clark bagged groceries and responsible for putting damaged or unwanted items back to appropriate locations. He gathered carts from outside and helping customers locate items.

NOTCH, Richford, VT. 07/09 – 07/12. Camp Counselor. Mr. Clark was in charge of organizing and planning sports events and discipline. He helped guests set up proper equipment for shows and demonstrations.

Crossings, Richford, VT. 06/07 – 08/10. Busboy / Dishwasher. Mr. Clark's first job as Busboy and Dishwasher also included the responsibilities of salad preparation, preparation of take-out orders, answering phones and was responsible for making sure tables were cleaned, customers had menus, waters and silverware.

Proposed Project Assignment

Tech II

Education

2014/AS/Engineering in Civil and Environmental Engineering Technology
Vermont Technical College

Total Years' Experience 2

Jeffrey Hansen

Construction Services

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 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.

Project Experience

GPI/Greenman-Pedersen, Inc., Rutland, VT. 05/18/15 - Present. Technician. Mr. Hansen tested temperature, slump, and air content of concrete, made concrete cylinders for testing, calculated quantities of material used/removed during a project. He used Electronic Books to check project quantities. He inspected removal and installation of guardrail/delineators and the reconstruction of Rail-Highway Crossings.

Rutland City BRF 3000(16), Rutland, VT 06/15 – 11/15. Mr. Hansen tested temperature, slump, and air content of concrete, made concrete cylinders for testing, inspected/measured/calculated quantities of material used/removed during the project.

Rutland City BRF 3000(19), Rutland, VT 07/15 – 09/15. Mr. Hansen tested temperature, slump, and air of concrete, made concrete cylinders for testing, inspected/measured/calculated quantities of material used/removed during the project.

Statewide HES GARD(2), Southwest Region, VT 11/15 – 12/15. Mr. Hansen inspected removal and installation of guardrail/delineators.

Rutland-Leicester FRT11(024), Southwest Region, VT 05/16 – 07/16. Mr. Hansen inspected the raising, aligning, and surfacing of railroad tracks. He inspected the removal and replacement of railroad ties and thermite welds on rail.

Weston BF 013-2(13), Weston VT 05/16 – 07/16. Mr. Hansen tested temperature and air of concrete, made concrete cylinders for testing, inspected/measured/calculated quantities of material used/removed during the project.

Clarendon BRO 1443(48), Clarendon VT 06/16 - 08/16. Mr. Hansen tested temperature and air of concrete, made concrete cylinders for testing, measured/calculated quantities of material used/removed during the project.

Castleton STP 2033(26), Castleton VT 08/16 – 09/16. Mr. Hansen inspected thermite welds on rail. He inspected the reconstruction of a Rail-Highway Crossing (excavation, removal and replacement of railroad panels, installation of underground drainage), and the full-depth road construction and elevation change.

Prior Firm Experience

Vermont Testing, Waterbury, VT. 05/14 - 08/14. Mr. Hansen 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. Mr. Hansen 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. Mr. Hansen's responsibilities on the Randolph Center campus included mowing lawns, picking up trash and recycling, shoveling snow from walkways, and delivering papers and equipment.

Proposed Project Assignment

Tech II

Education

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

Registrations/Certifications

ACI Concrete Field Testing Technician
Grade 1 - 2015
Nuclear Moisture/Density Gauge
OSHA 30
NETTCP Concrete Inspector - 2016
NETTCP HMA Paving Inspector – 2016
NETTCP Driven Pile Inspector – 2017
(anticipated)
NETTCP Soils & Aggregate Inspector – 2017
(anticipated)
ATSSA Traffic Control Coordinator – 2017
(anticipated)

Total Years' Experience: 3

Justin A. Ives

Construction Inspection

Professional Profile

Mr. Ives has 4 years of experience in roadway construction including recent experience with Vermont Agency of Transportation. His talents and experience include excellent communication skills with construction team and management, problem solving, and accurately reading plans & specifications. He is proficient in AutoCad, Microsoft Excel for estimating application and other Microsoft programs used in construction.

Mr. Ives recently performed construction inspection on a large box culvert replacement and bridge approach replacement project. Currently he is performing paving inspection for Vermont Agency of Transportation District #4 working directly under the district engineer.

Project Experience:

Vermont Agency of Transportation. 05/14+. Construction Inspection. Responsible for pavement inspection for District #4 working under the direct supervision of the resident engineer.

Prior Firm Experience:

O'Hara & Gercke, White River Junction, VT. 05/13-07/13. Laborer. Responsible for a variety of general tasks relating to residential and light commercial construction.

Slater's Construction, Charlotte, VT. 2010 (Seasonal). Laborer / Painter. Responsible for a variety of general tasks, primarily painting for residential and light commercial construction.

Bethel Central Market, Bethel, VT. 03/07-05/15. Key Holder/Cashier. Responsible for market system setup, inventory purchasing, cashier and responsible for opening & closings of store.

Proposed Project Assignment

Tech II

Education

2016 (*Anticipated*)/BS/Construction Management / Vermont Technical College

2014/AS/Construction Management/Vermont Technical College

Registrations/Certifications

OSHA 30 Hour

First Aid

CPR

AED Trained

Total Years of Experience 4

Justin Lefebvre

Construction Services

Professional Profile

Mr. Lefebvre started last year as a Precast Concrete Inspector for the Martins Point Bridge Project, a design build project where he inspected the fabrication of NEBT Girders. Once finished he joined VTTrans District 4, while there he performed site visits and estimated construction costs and quantities for multiple Irene Damaged Sites. He also assisted in fabricating the bid documents for all the District 4 projects. He went on to perform the daily inspections for many of these sites as well as the daily inspections for a box culvert project in Rochester VT, ER-CULV (35). His inspections included slope stabilization, culvert replacements, HMA paving, approach slab installation and box culvert installation. He ended the year performing precast concrete inspections for the Tappan Zee Bridge, inspecting the fabrication of pier soffit panels. Mr. Lefebvre has experience inspecting full depth road reconstruction, including excavation, drainage, waterline, Subbase and pavement installation, Checking road alignment and elevation to ensure proper depths of material. He has also performed inspections on bridge construction, consisting of site surveying, rebar and concrete installation, and proper backfilling.

Mr. Lefebvre has experience in Slope Repair, Working Over Water, Ledge Scaling, Rock Nail Anchors, Mesh Draped Netting, Cold Planning, Bituminous Concrete Paving, Construction Estimating, Guardrail installation and Precast Concrete Inspection. Mr. Lefebvre in the past has worked on projects providing materials testing and construction inspection. His technical skills also include MATS, Surveying, GPS Surveying, Job-site Safety, Estimating, AutoCAD and Engineering Materials.

Precast Concrete Inspections

Tappan Zee Bridge Pier Soffit Panels

MEDOT Design Build, Martins Point Bridge: 50 (130') NEBT Bulb T Girders, Carribasset Bridge: 16 (88') Box Beams

NYS DOT Lake Champlain Bridge: 66 Deck and Sidewalk Panels

NHDOT Bedford Bridge: 22 (130') Box Beams, Newington-Dover: 1100 (8'x9') SIP Panels, Bow Bridge: 600 (7'x6') SIP Panels

NHDOT Littleton Project: Box Culvert (12'x8') 60'

Project Experience

GPI/Greenman-Pedersen, Inc. 09/11+. CE I/Tech III.

Tappan Zee Bridge Replacement (The New NY Bridge) over the Hudson River [PIN 8TZ.100]; South Nyack, Tarrytown, NY. 2013+. Principal-in-Charge. Responsible for precast concrete inspections. GPI, as part of the winning team for the Tappan Zee Bridge Replacement project, provides 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. Major concerns will be addressed regarding the aging bridge that had a high accident rate, lengthy traffic jams and complete lack of mass transit capability. 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. *Client: Tappan Zee Constructors, LLC, Contact Dan Domalik (914) 789-3226*

Proposed Project Assignment

CE I

Education

BS/Construction Project Management/
Vermont Technical College
AS/Civil and Environmental Engineering
Technology/Vermont Technical College

Registrations/Certifications

NETTCP Concrete Inspector
NETTCP Driven Pile Inspector
NETTCP Soils & Aggregate Inspector
NETTCP HMA Inspector
Traffic Control Supervisor
Traffic Control Technician
Precast Concrete Inspector I/II
ACI Grade I Field Tester
OSHA 10-Hour
Q/C Resource Troxler
ACI Flatwork Certified
Advanced First Aid CPR/AED

Total Years' Experience 6

Justin Lefebvre

Construction Services

VAOT District 4, ER-CULV (35). Responsible for Site Estimating, Stone Slope Repair, Culvert Installation, Approach Slab.

Martins Point Bridge, Design Build. Responsible for precast concrete inspections.

Stockbridge VT 107, VT. Responsible for ledge scaling, rock nail/anchor.

Champlain Bridge Site Restoration, VT/NY. Responsible for site restoration, waterline and drainage installation, milling, HMA paving.

Tropical Storm Irene, VT. Responsible for HMA paving, guardrail installation, slope repair.

Prior Firm Experience

Advance Testing Company. 05/11-09/11. Quality Assurance Precast Concrete Inspector II. New York State DOT: Lake Champlain Bridge, (845) 496-1600

Vermont Agency of Transportation, Montpelier VT. 04/10-11/10. AOT Technical Apprentice V. Construction, South West Region. (802) 793-8484

Josh Maxfield, E.I.T. Construction Services

Professional Profile

Mr. Maxfield is a highly motivated, certified Engineer-In-Training seeking advancement in his engineering career. Background consists of a rewarding professional experience and relevant projects utilizing engineering methods.

Project Experience

Tappan Zee Bridge Design Build 12/14-01/15. Inspector. Provided quality assurance inspection services for the production of precast reinforced concrete bridge deck panels. 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. Panels were produced by the subcontractor Unistress in Pittsfield, MA. *Client: Tappan Zee Constructors, LLC*

Ryegate Culvert Design Build 11/14-12/14, 03/15-05-15. Inspector. Provided quality assurance inspection services for a culvert replacement project. The project consisted of the replacement of two outdated and undersized culverts with much larger concrete arch culverts in Ryegate, VT. 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. Provided construction inspection services to for a crack sealing project on sections of state highways and interstates in multiple towns throughout the state. The project consisted of crack sealing on pavement surfaces using both the "rout and fill" method, and the "blow and go" method. This project included crack sealing of four ramps for exits 10 north and south, as well as several miles of interstate 91 near the junction of interstates 89 and 91 in White River Junction. The work at this interchange was required to be completed at night with light trailers and police detail due to the high traffic volume experienced during the day. *Client: VT Agency of Transportation*

Statewide STP SDWK(11), VT. 06/14-09/14. Inspector. Provided construction inspection services for 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 the reconstruction of a handicap ramp on Main Street in Randolph, as well pedestrian signal upgrades at an intersection in Burlington. The project also included new granite and concrete curbing, pavement markings, and the installation of new signs. *Client: VT Agency of Transportation*

Statewide NE Region STP HRRR(16), VT. 05/14-06/14. Provided construction inspection services for 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: VT Agency of Transportation*

Proposed Project Assignment CE II

Education

2013/BSCE/Civil Engineering
2010/AE/Civil and Environmental Engineering
2013/Engineer-in-Training

Registrations/Certifications

PCI Technician – Level I and II, 10/14
ACI Concrete Testing – Grade 1, 04/14
OSHA-10, 04/14
Order of the Engineer – UVM Chapter, 02/13
Troxler Nuclear Density Gauge Certified, 04/10
NAUI Certified SCUBA Diver, Spring/10

Total Years' Experience: 3.5; With GPI: 2



Jason Rowell

Construction Services

Professional Profile

Mr. Rowell is well versed in all facets of construction inspection. He is proficient in project layout, general surveying & data collector operation, Site Manager & Site Manager Reports, as well as plan, specification and contract reading. He maintains great technical communications (Microsoft: Outlook, Excel & Word), and is good with developing and maintaining working relationships.

Project Experience

Ryegate Culvert Replacement Design-Build Project, Quality Assurance, Ryegate, VT. 05/14+. Assistant Quality Assurance Manager for a \$15.2M design-build project to replace the existing culverts under US Route 5 and the Washington County Railroad in the town of Ryegate. This project includes 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 requires deep excavation techniques including sheet walls, tiebacks, soil nails and a dewatering system to facilitate the 65' deep excavation. Jason is responsible for assisting in all matters regarding QA for the project. This includes 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, verifying conformance to the plans, permits, and contract, verifying conformance to the Quality Control Plan. *Client: Engineers Construction Incorporated; Owner: Vermont Agency of Transportation*

Montgomery-Westfield, VT. 07/13-10/13. Civil Engineer III. This project entailed a 6-mile reclaim cement stabilized base. Responsible for survey and layout for the Resident Engineer during the construction of the project. Tasked with programming the line, grade, and super-elevations into the data collector. Also, responsible for maintaining the traverse throughout the project including setting new points, and for checking the contractor's GPS fine grading operation to confirm it was in tolerance. *Client: Vermont Agency of Transportation*

Newbury-ST. Johnsbury, VT. 04/13-07/13. Civil Engineer III. This project entailed an 18-mile interstate resurfacing and guardrail replacement. Responsible for checking the existing guardrail against the plans for the Resident Engineer. Identified runs that were not to current standards that were omitted from the plans. Also, responsible for communicating field conditions to the project manager and consultant design firm to resolve the issues. *Client: Vermont Agency of Transportation*

Newport City BRO 1449 (25), VT. 03/12-04/12 & 10/12-12/12. Civil Engineer III. Assisted the Resident Engineer with verifying the accuracy of the survey control points provided for the project. Ran additional traverse to provide additional vantage points during the construction project. Assisted the RE with reviewing the plans and the contractor's work plan for the drilled shaft foundation to attempt to identify potential issues. Specifically we were concerned about the planned use of polymer slurry to maintain the shafts because they were to be constructed in loose soils with high silt content. Responsible for reviewing drilled shaft manuals, discussing the conditions with other engineers who had projects similar subsurface conditions, and discussing our concerns to the geotechnical engineers who produced the geotechnical report for the project. Relayed information to the RE for his discussions with the designers. Assisted the RE with inspection of the steel, tensioning of bolts, taking beam profiles, inspection of decking, tying of reinforcing steel and the placement of the deck concrete. Identified errors with the reinforcing schedule and brought them to the RE's attention before fabrication. *Client: Vermont Agency of Transportation*

Proposed Project Assignment

CE III

Registrations/Certifications

Engineer in Training (EIT)
ACI - Concrete Testing Level I
NHI - Driven Pile Inspector
NETTCP - Concrete Inspector
NETTCP - Drilled Shaft Inspector
NETTCP - Paving Inspector
ATSSA - Traffic Control
OSHA - 10 Hour Training
Defensive Driving

Education

BSCE/2007 Norwich University, Vermont
05663; GPA 3.1/ Dean's List/ Member
ASCE/ Member Chi Epsilon
AS/2007/ Mechanical Engineering
Technology/Vermont Technical
College; GPA 3.5/ Presidents List/
Member Tao Alpha Pi/ ASCE Award -
Greatest Academic Development;
2004/Mechanical Technician of the
Year 2005
AS/2004/Civil & Environmental
Engineering Technology/Vermont
Technical College

Total Years' Experience 16; With GPI: 7



Jeffrey R. Warner

Construction Services

Professional Profile

Mr. Warner's civil engineering background includes Surveying, Engineering Materials Testing, Hydraulics and Drainage, AutoCAD 2007, Carlson 2007, and he has received his Nuclear Density Certification. He also has NETTCP certifications in Soils and Aggregate Inspection, Hot Mix Asphalt Inspection and Concrete Inspection as well as his ACI Certification in Concrete Inspection. He has also received certifications as a Traffic Control Technician and Traffic Control Specialist. He received training from VTrans Training Center in Roads and River Training in 2013.

Project Experience:

Material Acceptance Program/Materials Acceptance Updates, VT. 2015-2017 Consultant. Worked with several resident engineers and the Materials Acceptance Unit to enter materials into Site Manager, Review Certifications, set-up project certification and testing requirements, write and review Material Memos, correspond with resident engineers, and close out past projects. The work for this project took place at the VTrans Materials & Research Lab in Berlin, VT. *Client: VTrans*

Waterford IM SURF (47), VT. 2015. Inspector. Construction Engineering Inspection and Testing and Inspection Services. Work that was performed under this project include surface preparation involving patching, pot hole repair, crack sealing and overlaying with a thin bituminous concrete wearing surface on the existing interstate typical, pavement markings and other highway related items. \$2.85M; *Client: VTrans*

St. Johnsbury-Lyndon STP 2936 (1), VT. 2014-2015. Inspector. Construction Engineering Inspection and Testing and Inspection Services. Project involves 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. \$8.0M; *Client: VTrans*

Fairlee-Newbury IM SURF (40), VT. 2014. Inspector. Construction Engineering Inspection and Testing and Inspection Services. Project involves surface preparation involving patching, pot hole repair, crack sealing and overlaying with a thin bituminous concrete wearing surface on the existing interstate typical, pavement markings, and other related highway items. \$2.2M; *Client: VTrans*

Rutland City-Proctor STP 2728 (1), VT. 2014. Inspector. Construction Engineering Inspection and Testing and Inspection Services. Project involves 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. \$9.5M; *Client: VTrans*

Town of Roxbury FEMA Repair to Steele Hill Road and Bull Run Road, VT. 2013. Acting Resident Engineer. Construction Engineering Inspection and Testing & Inspection Services. Project involves 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. \$350,000; *Client: Town of Roxbury, VT*

Bradford STP 2917/2918 (1), VT. 2013. Inspector. Construction Engineering Inspection and Testing and Inspection Services. Project involves cold planning, 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. \$3.3M; *Client: VTrans*

Proposed Project Assignment

Tech IV

Education

BS/1979/Plant Science

AE/2009/Civil Engineering Technology

Registration/Certifications

ACI Concrete Field Testing Technician Grade I

NETTCP HMA Inspector

NETTCP Concrete Inspector

NETTCP Soils and Aggregate Inspector

Nuclear Density Gauge

TCT, TCS

Total Years' Experience: 8

Jeffrey Wheeler

Construction Services

Professional Profile

Mr. Wheeler has a number of years of experience in construction inspection on New York State Dept. of Transportation (NYSDOT) and (NYSTA) projects. Responsibilities include being resident engineer, chief inspector, office engineer and senior inspector reporting directly to the resident engineer and supervising various size inspection staff. Mr. Wheeler interacted with the resident engineer, contractor's superintendent and client to implement and field verify any change orders.

Responsibilities also included monitoring the prime contractor and all subcontractors daily operations for strict conformance to the plans and specifications, along with daily documentation, according to MURK for field verified pay quantities of material placed. Office duties included the preparation of monthly estimates for payments, processing change orders, recording progress meeting minutes, processing shop drawing submittals, processing subconsultant billings, reviewing inspectors reports for accuracy, computation of final project quantities, drafting as-built record drawings.

Project Experience

Current Assignment: Tappan Zee Bridge Replacement (The New NY Bridge) over the Hudson River [PIN 8TZ.100]; South Nyack, Tarrytown, NY. 2014+. Resident Engineer. Responsible for leading the inspection team for the approach spans at the Tappan Zee Bridge. Inspection of the rebar and concrete from the piles up through the pier caps for 37 pier locations. *Client: Tappan Zee Constructors, LLC, Contact Dan Domalik (914) 789-3226*

Bennington Bypass, Northern Segment AC NH 019-1 (51, 52, 53 & 54). 2007-2014. Chief Inspector. Responsible for supervising 17 construction inspectors, a survey crew of 3, and a materials inspector for the construction of 4 projects, all being built simultaneously. The northern segment of the bypass project started in 2007 was completed in 2011 and included 15.8 KM (9.81 MI) of paved Roadway, the construction of 6 new bridges, spanning total of 0.54 KM (0.34 MI), 3 bridges undergoing various levels of rehab, 919,000 CM (1,202,000 CY) of Earth Excavation, 43,000 CM (56,250 CY) Rock Excavation, 1,335,630 KG (2,944,560 LBS) Structural Steel, 5,000 CM (6,550 CY) Concrete.

This segment includes a multi-span bridge on a steep grade over the Roaring Branch; a single point urban interchange with Route 9 east of downtown Bennington; one bridge at both ramps to Route 9, bridges at East Road, Chapel Road, and Furnace Brook; a pre-cast concrete culvert at Bald Mountain Trail; a pedestrian bridge at East Road, reinforced soil slopes on two bridges and construction of modular retaining walls. The entire Northern Segment required extensive erosion prevention and sediment control monitoring and one of the contracts included a amphibian mitigation site. (\$66M). Client: Vermont Agency of Transportation. Contact: Ron LeMaire, Resident Engineer, (802) 447-2709

Bennington Bypass, Western Segment (Contracts 1, 3 & 4), Bennington, VT. 07/02-07/05. Office Engineer for the construction of this new alignment limited-access highway. The project has several construction contracts: the first one (\$4M) located in Hoosick, NY. The second contract in Bennington, VT, (\$12.1M) is located three miles away from the first contract and includes a large bridge over the Walloomsac River along with a major interchange with Route 67A. The third contract in Bennington, VT, (\$13M) connects the first and second contracts with about 3 miles of new highway. This new alignment limited access highway with interchanges includes earthwork, water mains, sanitary sewer, drainage, 4 bridges, reinforced soil slopes, mechanical stabilized earth walls, concrete walls, multi-plate culverts, landscaping, rock blasting, settlement monitoring, weigh-in-motion station, street lighting, traffic signals and guide railing. (\$29M). Client: Vermont Agency of Transportation. Contact: Ron Lemaire, (802) 447-2709

Proposed Project Assignment

Misc. Support/Finals Unit

Registration/Certifications

NICET- Level IV
2007/ACI Field Testing Tech - Grade 1
2005/ATSSA Traffic Control Technician
2005/Nuclear Moisture/Gauge Density Equipment
2005/NETTCP Hot Mix Asphalt Paving Inspector
2006/NETTCP Concrete Inspector
2007/Fall Protection OSHA 1926.500 Basic

Education

AAS/1984/Construction Technology

Total Years' Experience: 28

Karen Brown

Construction Inspection

Professional Profile

Ms. Brown has many years of experience in the construction industry, beginning as an apprentice carpenter. She has worked on numerous commercial, industrial, and heavy construction projects in various capacities including field engineering, estimating, project management, consulting, office engineering and construction inspecting.

Project Experience

Greenman-Pedersen, Inc., Albany, NY. 2010+.

Hancock Route 125 Full Depth Reclaim with Cement, VT.

07/15-10/16. Office Engineer/Consultant Inspector. Project scope included cold planing, reclaiming, correcting superelevation deficiencies, resurfacing with base, intermediate and wearing courses. Additional work included new pavement markings, guardrail improvements, and drainage improvements. This project extends 6.5 miles from town of Hancock west on Rt. 125 to the point at which 2010 improvements culminated. *Client: Vermont Agency of Transportation.*

Bridport Culvert Replacement, VT. 06/15-07/15. Office

Engineer/Consultant Inspector. Project scope included the replacement of two aging corrugated culverts with precast box culverts; accelerated bridge program involving road closures and round-the-clock construction activities. *Client: Vermont Agency of Transportation.*

Addison-New Haven Route 17 Reclamation and Repaving, VT. 05/12-10/12. Office Engineer/Construction Inspector. Project included a 7-mile reclaim with cement including cold planing, initial reclaim, underdrain, subbase of crushed gravel with superelevated curves, reclaim with Portland cement, cold mix asphalt base course, bituminous concrete pavement, ditching, signage, striping. Office Engineer duties included entering hand-written daily reports and materials testing information into site manager, training of VTrans and consultant personnel, electronic filing, preparation for anticipated claims. Construction inspection duties included cold planing, initial reclaim, reclaim with Portland cement, paving; layout of superelevated curves, underdrain. In addition, assisted VTrans lab testing staff with Cleg, lightweight deflectometer, nuclear density gauge. *Client: Vermont Agency of Transportation*

Lake Champlain Bridge Replacement Project, Crown Point, NY to Chimney Point, VT. 06/11-01/12. Office Engineer/Inspector. Provided construction inspection, plus office engineering, force account processing and schedule review for NYSDOT. The project was a complete bridge replacement of the roughly half-mile span linking Vermont and New York, including paved approach roadways, cast-in-place deck over steel girders approach spans, and tied arch center span (constructed off-site, barged to the approach spans, hoisted into place, and decked using pre-cast panels). Inspection responsibilities included bituminous paving, stay-in-place deck pans, reinforcing steel, concrete placement and testing, and guiderail installation. Office engineering responsibilities included material certifications, Site Manager reports, review of schedule updates, and processing of force account submittals. *Client: Vermont Agency of Transportation*

Middlebury-Ripton/Hancock Route 125 Road Reclamation and Repaving, VT. 05/10-12/10. Office Engineer. Project encompassed 7 miles of re-built and re-paved mountain roadway through environmentally sensitive areas subject to flooding washouts, including reclamation, underdrain, gravel subbase with superelevated curves, cement overlay, bituminous concrete pavement, ditch reconstruction, guardrail, signage, sidewalks, striping, and restoration of bankings and other disturbed areas. Responsibilities included office engineering, plus inspection of signage, guardrail, subbase, and paving. *Client: Vermont Agency of Transportation*

Proposed Project Assignment

Tech IV

Registration/Certifications

NETTCP Concrete Inspector
ATTSA Traffic Control Supervisor
NETTCP Drilled Shaft Foundation Inspector
APNGA Nuclear Density Gauge
NETTCP Hot Mix Asphalt Paving Inspector
NETTCP Driven Pile Foundation Inspector
NETTCP QA Technologist

Education

MBA/ Operations/Strategic Management
and Organization Studies/Boston
College
AAS/Building Construction
Technology/Wentworth Institute of
Technology Boston
BA/English/Wells College

Total Years' Experience 37

Kate Defayette

Construction Inspector

Professional Profile

Ms. Defayette is an experienced inspector who has served on GPI's team for 2 years working as a consultant to the VAOT for the Southeast Regions soils laboratory and with the SiteManager Maintenance Team (SMMT).

SiteManager Maintenance Team: SMMT is part of the Action Plan devised to help assist in the management and maintenance of AASHTOWare SiteManager software for administering contracts while they are in construction. To help identify and correct components of the system that need to be updated and cites initial critical changes to be made regarding management of the system.

Southeast Soils Laboratory: Duties included laboratory and field testing of soils and aggregate on a variety of engineering projects. Including but not limited to moisture density analysis, gradation analysis, nuclear (compaction) density testing and sampling. Responsibilities included but not limited to providing accurate information to Resident Engineers and Contractors in a timely manner. Tracking all testing performed on each project while attaining all requirements for testing according to the specifications for each separate project. Entering all testing information into Site Manager and inform the Resident Engineer of any failing results.

Project Experience

Projects under the Vermont Agency of Transportation Construction Inspection Agreement include:

- Brattleboro BRO 1442(35)**
- Brookfield BRF FLBR(2)**
- Cavendish ER BRF 0146(13)**
- Guilford BRO 1442(36)**
- Guilford IM 091-1(25)**
- Hartford ER BRF 0174(16)**
- Hartford ER NH 0202(37)**
- Hartford IM 089-1(60)**
- Hartland BHF BPNT(12)**
- Hartland CMG Park (25)**
- Jamaica ER BRF 015-1(23)**
- Marlboro BRF 010-1(43)**
- Putney CMG PARK(26)**
- Rockingham RREW 12J**
- Royalton BRS 0147(13)**
- Stockbridge-Bethel STP 2910(1)**
- Wardsboro-Jamaica ER STP 013-1(17)**

Proposed Project Assignment

Tech II

Education

2000 College of Environmental Sciences and Forestry Syracuse, NY
1998/Paul Smith College of Arts and Sciences
1996 Finger Lakes Community College

Registrations/Certifications

ACI Level I
NETTCP Concrete Inspector
NETTCP Soils and Aggregate Lab Tech
NETTCP Driven Pile Inspector
OSHA 10hr Construction Safety and Health
NETTCP S Soils and Aggregate Inspector
Portable Nuclear Gauge
Erosion and Sediment Control
NETTCP Drilled Shaft Inspector
NETTCP HMA Paving Inspector
40hr HAZWOPER

Total Years' Experience 16

Kate Defayette

Construction Inspector

Wilmington STP 013-1(14)

Prior Firm Experience

Department of Agriculture. 12/09-12/11. Civil Engineer Technician: Among the other responsibilities noted above Ms. Defayette also performed design and inspection of various snowmobile bridges. Slope stabilization design and inspection. Retaining wall design and inspection. Was responsible for the coordination, documentation and interaction of subcontractors and landowners. Prioritized and managed multiple projects and assignments on a daily basis. Communicated project updates and progress. Generate business reports, technical documents, contracts, permits and other legal reports, memos, interoffice correspondence and outgoing correspondence. Prepared construction quantity estimates, cost estimates, and provide any topographic and or project plans. Performed construction inspection and observation of materials, construction methods, equipment and adherence to contract specifications and quality of work for many projects. Recorded in daily diaries, which include photos and sketches.

Specific projects included:

Boyden Brook Culvert-Hancock, VT (Department of Agriculture). 2009-2011. Project included removal of existing culvert and replacing it with a 20-ft. diameter culvert and slope stabilization. Duties included observation of the installation and inspection of prefab inter-locking stone wall construction. Observation and inspection of the installation of erosion and sediment control measures (ESPC), slope stabilization, fill and backfill operations. Responsibilities included communication of project progress, construction inspection daily reports and pictures, assure all material certifications and served as interface between the contractor and visitors/landowners. Other duties included documentation and photos of all inspections.

Chittenden Brook Campground Bridges, Rochester, VT (Department of Agriculture). 2009-2011. Project included demolition, removal and new construction of 2 existing one lane bridges which served as access to the campground and trails. Both bridges consisted of build in place concrete abutments and wingwalls, steel bridge beams, with a concrete bridge deck. The roadway was built up and graded, bridge rail and guardrail were installed. Duties include observation and inspection of the demolition of the old bridges and abutments, erosion and sediment control (ESPC) measures were maintained and installed according to specifications, coffer dam installation and maintenance remained in effect, assure all material certifications, concrete placement inspection for the abutments, wingwalls, and bridge deck, fill and backfill operation inspection, inspection of forms and reinforcing steel installation. Inspection of guardrail installation and placement. Observation and inspection of grading for the roadway. Served as interface between the contractor and visitors/landowners. Other duties included documentation and photos of all inspections.

Texas Falls Pedestrian Bridge- Hancock, VT (Department of Agriculture). 2009-2011. Project included a pre-fabricated truss pedestrian bridge with concrete abutments with a stone overlay. Placement of a new gravel entrance and fencing to the bridge and trail. Tree removal and overlook grading and gravel placement. Duties include observation and inspection of bridge abutment and wingwall forms and reinforcing steel installation and concrete placement. Erosion and sediment control measures (ESPC) were maintained and installed according to specifications, assure all material certifications, fill and backfill operation inspections. Served as interface between the contractor and visitors/landowners. Other duties included documentation and photos of all inspections.

FR 25 Austin Brook, Granville/Warren (line), VT (Department of Agriculture). 2009-2011. Project included demolition and removal of old bridge and bridge abutments to replace it with a build in place concrete abutments and wingwalls, steel bridge beams, with a concrete bridge deck. The roadway was graded, bridge rail and guardrail were installed. Duties include observation and inspection of the demolition of the old bridges and abutments, erosion and sediment control (ESPC) measures were maintained and installed according to specifications, coffer dam installation and maintenance remained in effect, assure all material certifications, concrete placement inspection for the abutments, wingwalls, and bridge deck, fill and backfill operation inspection, inspection of forms and reinforcing steel installation. Inspection of guardrail installation and placement. Observation and inspection of grading for the roadway. Served as interface between the contractor and visitors/landowners. Other duties included documentation and photos of all inspections.

Robert Frost Pedestrian Bridge, Ripton, VT (Department of Agriculture). 2009-2011. Project included construction of a new 73-foot trail bridge. Removal of the existing bridge, construction of abutments, steel beams,

Kate Defayette

Construction Inspector

composite wood deck, timber hand rail, boardwalk, trail approach, fill and channel work with rip rap. Duties include observation and inspection of the demolition of the old bridges and abutments, erosion and sediment control measures were maintained and installed according to specifications, coffer dam installation and maintenance remained in effect, assure all material certifications, concrete placement inspection for the abutments, wingwalls, and bridge deck, fill and backfill operation inspection, inspection of forms and reinforcing steel installation. Observation and inspection of channel work and placement of rip rap. Served as interface between the contractor and visitors/landowners. Other duties included documentation and photos of all inspections.

Clough Harbour and Associates, LLP. 06/01-11/09. Geotechnical Engineer. Responsible for a myriad of responsibilities which include the coordination, documentation and interaction of subcontractors, clients and land owners, soil interpretation from laboratory analysis, soil classification, profiling and recommendations for individual projects. She prioritized and managed multiple projects and assignments on a daily basis. Delivered presentations on projects, communicated project updates and progress during group meetings. Generated business reports, technical documents, contracts, permits and other legal documentation and correspondence for projects. Reviewed and corrected technical reports, memos, interoffice correspondence, outgoing correspondence and GINT boring logs. Trained, monitored and mentored new employees in performance of company procedures, policies, engineering practices and field work. Prepared cost estimates, quantity estimates and provided any topographic and/or project plans for subsurface investigations.

In addition to the afore mentioned, Ms. Defayette performed construction inspection and observation of materials, construction methods, equipment and adherence to contract specifications and quality of work for varying projects such as; clearing and grubbing, drainage structures, grading, over-excavation of poor soils, waterline and sewerline construction, drainage structures, roadway construction (asphalt), and subgrade for new residential subdivisions. Recorded in daily construction observation reports (including photos, sketches and conversation logs) the construction methods, equipment, inspection activities, accidents, visitors onsite and any deviation from engineering standards or construction plans and specifications and the application used to correct the deviation. Applies her experience, research, any available resource, interpretation of data and engineering guidelines where standards are not applicable. Prepared and input updated information regarding the project into the infrastructure database.

Additional experience in inspection of horizontal directional drilling. Ms. Defayette's responsibilities included adhering to the project plans and specifications, communication between the contractor and client, observation of tools and materials used to implement construction. Observe appropriate depth is achieved and if any obstructions were in the path of construction and what actions were performed to remediate the obstruction. Projects Ms. Defayette performed inspection are:

Village of Ballston Spa – Miscellaneous Water System Improvements
Town of Halfmoon – Water Infrastructure Improvements
Saratoga County Sewer District #1 – Tiffany Estates Subdivision
Warren County Department of Public Works – Town of Hague – Wastewater Treatment System

Ms. Defayette also has experience in Erosion Prevention and Sediment Control concepts and best management practices used in the field. She is experienced in providing on site quality control for the installation and maintenance of EPSC measures. Relevant Project Experience include:

Village of Woodbury – Woodbury Subdivision - Phase A
Saratoga County - Tiffany Estates Subdivision
Lowe's Home Centers, Inc – SWPPP Reporting and Site Work Oversight for Lowe's, Greenport, NY
Town of Halfmoon – Harvest Bend Subdivision
Town of Halfmoon – Environmental Monitoring

Atlantic Testing Laboratories. 06/00-05/01. Laboratory Supervisor. Supervise, perform and train in laboratory and field testing of soils, aggregate, asphalt and concrete testing. Report writing of laboratory findings.

Kate Defayette

Construction Inspector

Parratt Wolfe. 09/98-06/99. Laboratory Technician. Performed and recorded laboratory testing of soils, aggregate and concrete.

Fort Drum (Environmental Division). 05/98-09/98. Forest Technician. Identifying, scaling, marking and recording of trees. Collecting data from various land plots for timber stand improvements.

Paul Smiths College Management Plan. 02/98-05/98. Data Entry. Various duties include computer interpretation of timber stand improvement data, filing and correction of information entered into the computer.

Paul Smiths College Sawmill (Work Study). General Laborer. Various duties included welding, running the sawmill, teaching, cleaning, fixing machinery, edger operator, trim saw operator and running the green chain. Helped prepare professor for classes.

Katrina M. Hagan

Construction Services

Professional Profile

Ms. Hagan began her career with the Vermont Agency of Transportation as a Technical Apprentice where she gained invaluable knowledge working on a variety of construction projects. In addition to her experience in the field, she is also computer proficient with Microsoft Word, Excel, Visio, SiteManager & CADD.

Project Experience

Current Assignment: **GPI/Greenman Pedersen, Inc., Albany, NY Branch/VT.** 03/16+. Technician III. Materials Acceptance Unit (Materials Management). *Client:* *Vermont Agency of Transportation*

GPI/Greenman Pedersen, Inc., Albany, NY Branch/VT. 12/15-03/16. Technician II. Site Manager Maintenance Team Member (Materials Management). *Client:* *Vermont Agency of Transportation*

Prior Firm Experience

Vermont Agency of Transportation, St. Johnsbury, VT. 12/14-12/15. Temporary AOT Technical Apprentice IV. Temporary assignment working as a Construction Inspector (Inspection, DWRs, & Materials), the Office Engineer (Site Manager, CODs, Materials, Payrolls, & Written Orders), assisting on manual maintenance (Construction Manual & Regional Manual), and on the Site Manager Maintenance Team Member (Materials Management).

Vermont Agency of Transportation, St. Johnsbury, VT. 06/12-12/14. Temporary Technical Apprentice III. Responsible for Construction Inspection (Inspection, DWRs, & Materials), Office Engineer (Site Manager, CODs, Materials, Payrolls, & Written Orders), and assisting on manual maintenance (Construction Manual & Regional Manual).

Project Experience:

Newbury-St Johnsbury IM 091-2(76) – Bituminous Paving

St. Johnsbury-Guildhall NH SURF(32) – Paver Placed Surface Treatment

Statewide NE Region STP HRRR(12) & HES HSIP(3) – Signs, Lines, And Guardrail

Statewide NE Region HRRR(16) – Signs, Lines, And Guardrail

Statewide North HES MARK(402) – Pavement Marking

Bethel-Brookfield IM SURF(54) – Paver Placed Surface Treatment

Statewide STP CRAK(32) – Crack Sealing

Statewide STP CRAK(33) – Crack Sealing

Proposed Project Assignment

Tech III

Education

08/11-05/13/Power Engineering Technology
Maine Maritime Academy
2017 (anticipated)/AE/Civil & Environmental
Engineering Technology/Vermont Technical
College

Registrations/Certifications

ACI – Concrete Field Testing Technician,
Grade 1 (anticipated in Spring 2017)
NETTCP – HMA Paving Inspector (Spring 2016)
Nuclear Density Gauge (Spring 2016)
OSHA 10 - 2016

Total Years' Experience 4.5

Kurt Hutchins, E.I.T.

Construction Services

Professional Profile

Mr. Hutchins has several years of experience supporting and working in the construction industry. He is looking to further his understanding and experience as he works to obtain a Professional Engineering license in Civil Engineering. A lifelong resident of Vermont, he appreciates being a part of the process of maintaining its surroundings. He is proficient in Site Manager, and maintains knowledge of MicroStation, AutoCAD, RISA, Slope/W, and Seep/W, He has experience surveying and extensive field work, and he has a working knowledge of the Vermont Agency of Transportation's practices and procedures.

Project Experience

GPI/Greenman-Pedersen, Inc. 06/11+. Construction Engineer.

Swanton-Sheldon STP, VT. 03/15+. Civil Engineer. Duties include total project oversight in the absence of VTTrans Resident Engineers of a highway resurfacing project, including the rehabilitation/reconstruction of manholes/drop inlets, drainage layout, supervision of multiple inspectors, review and approval of inspectors' daily reports for accuracy and payment, weekly reporting to VTTrans, maintenance of project specific permits, acquire and maintain records of material certifications, review plans for change orders, evaluate/suggest change in design, estimate and analyze costs of change orders, schedule material certifications, review plans for change orders, evaluate/suggest change in design, estimate and analyze costs of change orders, schedule material sampling and inspection technicians to ensure project specifications are met. *Client: Vermont Agency of Transportation*

Enosburg-Richford STP 2939(1) Class I Roadway Resurfacing, VT. 07/14+. Civil Engineer. Duties included project oversight in the absence of VTTrans Resident Engineers of an urban resurfacing project, including the rehabilitation/reconstruction of 150+ manholes/drop inlets, reconstruction an at grade rail crossing with active warning system, traffic signal work, coordinating work activities with US Customs and the Quebec Ministry of Transport for construction activities at US/Canada Border crossing in Richford, VT, daily reporting to VTTrans, material sampling and inspection to ensure project specifications were met. *Client: Vermont Agency of Transportation*

Essex-Westford STP 2912(1) Reclaim/Reconstruction, VT. 04/14-08/14. Civil Engineer. Duties included drainage and site layout for roadway construction. Supervising installation of drainage systems, roadway excavation and reconstruction, redesign and correction of sight distance deficiencies, plan and site review for change orders, quantity calculations for payment, cost analysis of change orders, material sampling, daily reporting to VTTrans and project oversight to ensure project specifications were met. *Client: Vermont Agency of Transportation*

SLSDC Eisenhower Lock Miter Gate Rehab, Massena, NY. 01/14-03/13. Civil Engineer. Duties included project oversight, daily work reports, tracking project progress, reporting to Federal DOT Technical Representative, inspections for 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 are met. *Client: St. Lawrence Seaway Development Corporation/Federal Department of Transportation*

Essex-Westford STP 2912(1) Reclaim/Reconstruction, VT. 07/13-12/13, Civil Engineer. Duties included drainage and site layout for roadway construction. Supervising installation of drainage systems, roadway excavation and reconstruction, redesign and correction of sight distance deficiencies, plan and site review for change orders, quantity calculations for payment, cost analysis of change orders, material sampling, daily reporting to VTTrans and project oversight to ensure project specifications were met. *Client: Vermont Agency of Transportation*

Proposed Project Assignment
CE III

Registrations/Certifications

Engineer-in-Training
ATSSA TCT&TCS
NETTCP HMA Inspector
NACE CIP I
NETTCP Drilled Shaft/Driven Pile
ACI Concrete
PCI Quality Control Level I & II
OSHA 10 & 30

Education

2010/BS/Civil Engineering/University of VT
Student Member ASCE
ASCE Steel Bridge Team 4

Total Years' Experience 6; With GPI: 7



Kayla Robinson

Construction Services

Professional Profile

Hired directly out of college, Miss Robinson was brought on in June 2014 to aid VTrans' Certifications and Independent Assurance (C&IA) Unit in the project closeout process. Her attention to detail and organization then merited her to be selected as the first member of the SiteManager Maintenance Team, a newly formed unit within VTrans, where she is currently providing daily assistance to SiteManager users and improving and maintaining the system. Miss Robinson is proficient in AutoCAD 2013, Revit 2014, Microsoft Office 2013, Google SketchUp, Adobe InDesign, Bluebeam Revu, and SiteManager. She is eager and quick to learn new skills, efficient, hardworking, flexible, and directable.

Project Experience

SiteManager Materials Maintenance Team, VTrans Construction and Materials Bureau, Berlin, VT. 10/15+. IT Technician. Researches prospective changes and implements those changes in SiteManager, VTrans' construction management system. Assists SiteManager users with everyday issues and updates the system based on user and IT wants and needs. Acts in a customer service role providing a liaison between users and IT. Gained knowledge of SQL (Visual Basic) coding and uses it daily to produce queries of the SiteManager database. *Client: Vermont Agency of Transportation*

Certifications and Independent Assurance, VTrans Construction and Materials Bureau, Berlin, VT. 06/14-10/15. Office Assistant. Reviewed projects at the final inspection stage to ensure certification and testing requirements had been satisfied; issued the Materials Memo, a document used by the C&IA to officially close out projects; and assisted with general clerical work such as filing. *Client: Vermont Agency of Transportation*

Prior Firm Experience

Botanica Florals, Montpelier, VT. 2013+. Assistant. Processed, arranged, boxed, and cared for cut flowers; cashiered; and planned and executed delivery routes.

Pinky's on State, Montpelier, VT. 2013. Sandwich Maker. Worked as a team in a fast-paced environment to prepare sandwiches to order.

Black River Design Architects, PLC, Montpelier, VT. 2010, 2013. Assistant. Worked independently labeling and alphabetizing project binders using an information database.

Legare's Farm Market, Berlin, VT. 2010-2012. Opener/Closer. Counted money; settled credit card machines; locked/unlocked doors; cashiered; and cared for flowers and produce.

Proposed Project Assignment

Tech III

Education

2014/AAS/Architectural and Building Engineering Technology/Vermont Technical College

Registrations/Certifications

2015/OSHA10

Total Years' Experience 2

Leigh Abel

Senior Inspector

Professional Profile

Mr. Abel is a construction inspector/ office engineer with experience in bridge and roadway construction/reconstruction projects. These projects have involved asphalt paving, steel erection, drilled shafts, piles, bearings, Superpave, milling, guardrail, concrete work, drainage, utility relocation, curb and sidewalk, sanitary sewer and water main installation, and maintenance and protection of traffic (MPT).

Project Experience

Tappan Zee Bridge Replacement, Rockland-Westchester NY. 07/13+. Resident Engineer for Quality Assurance. This \$3.2B design-build project includes the replacement for the existing Tappan Zee Bridge as well as the removal of the existing bridge. Duties include oversight of both the construction of the bridge and of the QC inspection of the project. This work so far, includes the driving and testing of piles 24"-72" in dia., the construction of temporary and permanent docks, drilled shafts, the assembly of 100,000 tons of structural steel was associated utility and access components.

Bennington Bypass NH F109-1(53), (52), (51), (54), VT. 07/07-07/13. Chief Inspector/Office Engineer, Tech V. The work included the full construction of a section of limited access highway. The northern segment of the bypass project started in 2007 and was completed in 2012. The completed project will include 15.8 KM (9.81 MI) of paved roadway, the construction of six new bridges, spanning total of 0.54 KM (0.34 MI), 3 bridges undergoing various levels of rehabilitation, 919,000 CM (1,202,000 CY) of earth excavation, 43,000 CM (56,250 CY) rock excavation, 1,335,630 KG (2,944,560 LBS) structural steel, 5,000 CM (6,550 CY) concrete, 12 drilled shafts (8' x 90"), wildlife habitat construction. Duties include supervision of inspectors, inspection of contractors work, recordkeeping, daily reports utilizing Site Manager software, and project finals. *Client: VTrans. Contact: Mark Mackintosh, (802) 828-5545.*

Woodford ER BHF 010-1(44), Woodford VT. 05/12 – 07/13. Inspector/Office Engineer for the reconstruction of Woodford Bridge 11 (Rte. 9) that was partially destroyed during Hurricane Irene. This 2+ million dollar fast tracked project involved the installation of a temporary detour and temporary two lane bridge. Following the detour, the existing temporary embankment was removed and a new abutment and one span of a three span steel girder bridge was constructed. This reconstructed abutment was built much deeper and larger than the previous bridge following the lessons learned in Irene. *Client: VTrans. Contact: Mark Mackintosh, 802-773-1384*

Hurricane Irene Recovery Projects, Woodford & Bennington, VT. 08/11-11/11. Chief Inspector/Office Engineer for several Hurricane Irene emergency contracts on bridges crossing Vermont Rte. 9 and US 7, including Woodford Bridge 11 (Rte. 9), Bennington Bridge 9 (Rte. 9) and Bennington Bridge 11 (US 7). The Emergency work totaling over 2 million dollars consisted of many unique engineering situations requiring extension earthwork operations, scour repair, stream bank restoration and protection, and debris removal along the Roaring Branch River corridor. Speed was of the essence to restore this major East-West corridor in southern Vermont following the devastating effects of the Hurricane. *Client: VTrans. Contact: Mark Mackintosh, 802-773-1384*

Arlington-Dorset STP 2625(1), Arlington STP 2334(1) Arlington, Sunderland, Manchester & Dorset VT. 04/11-08/11. Office Engineer. Responsible for two paving projects performed simultaneously. The combined projects, costing approximately \$5M consisted of over 20 miles of paving on Vermont routes 7A and 313 through several towns. Additional work consisted of guardrail upgrades drainage improvements and sign replacements. *Client: VTrans. Contact: Mark Mackintosh, 802-773-1384*

Woodford Bridge BRP 010-1(29), Woodford, VT. 2006-2007. Office Engineer/Construction Inspector for the construction of a new 3 span steel girder bridge and demolish an existing bridge. This is a bridge over a river and uses 2 piers in the water. New approaches also constructed. A temporary bridge was installed parallel to the existing bridge to allow for construction. Client: Vermont Agency of Transportation. *Contact: Mark Mackintosh, 802-773-1384*

Proposed Project Assignment Tech V

Registration/Certifications

2013/NETTCP - HMA Paving Inspector
2014/NICET Engineering Technician
2016/NETTCP - Concrete Inspector
2007/NHI-Drilled Shafts
2013/ACI Grade I - Concrete Field Testing
2014/ACI Concrete Const. Special Inspector
2014/NETTCP-Soils & Aggregate Inspector
2014/NICET I Underground Utilities
2014/NICET IV Highway Construction
2012/NETTCP Drilled Shaft Inspection
2007/Fall Protection OSHA 1926.500 Basic
2012/ATSSA Traffic Control Supervisor
2013/NETTCP – Driven Pile Inspector
2014/ICC Structural Steel and Bolting Special Inspector
2016 / S.W.A.C
2009 O.S.H.A 10 Hr. Occupational Safety and Health Training Course

Total Years' Experience 30

Lee M. Bohn

Construction Inspection

Professional Profile

Mr. Bohn has 30+ years construction experience, including Resident Project Representative, Clerk of the Works, Owners, Architect/Engineers Inspector & Materials Testing in the areas of civil, structural, steel, welding, electrical and mechanical. He has been involved with projects of all sizes from residential through major industrial, from site exploration through turn-key completion.

His project involvement includes universities, healthcare, power generation and distribution, schools, bridges, dams, water and wastewater treatment facilities, landfills, industrial plants, multi-story commercial buildings, utilities and roads. He has performed plant inspections for steel fabrication and precast concrete. Supervised soil and concrete laboratories.

Mr. Bohn has transportation and roadway utility experience for working with VT Dept. of Buildings, VAOT specs, ASTM, AASHTO, Daily reports by computer, Microsoft office and Word. He also has Extensive experience in urban areas in Vermont with roads/sidewalk & utility construction and traffic control.

Project Experience

ST. Johnsbury-Lyndon STP 2936 (1), VT. 2014. Inspector. Construction Engineering Inspection and Testing and Inspection Services. Project involves 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. \$8.M; *Client: VTTrans*

Prior Firm Experience:

M&W Soils Engineering, Inc., Charleston, NH. 2011-2015. Senior Inspector.

Montpelier District Heat Distribution Project, VT. Resident Project Representative.

New Hartford Information Center I91 Southbound, Acel/Decel Lanes and Parking Lot, VT. Clerk of the Works.

Proposed Project Assignment

Tech IV

Education

1974/Diploma
1974-1975/General/Purdue University
1983/Developing Supervisory Practices/Public Service Co. of NH
1982/Lead Auditor Training/ Cleveland Electric Illuminating Co.
1981/ASNT Liquid Penetrant & Magnetic Particle, NH/Vocational Technical College
1983/Technical Writing/Public Service of NH
1986/Nuclear Testing Equipment/Troxler Electronics
1991/Radiation Safety Officer Training/Professional Service Industries

Certifications (Past & Present)

Quality Assurance Engineer, Radiation Safety Officer, Quality Control Inspector, Electrical, Receiving, Records Review, Welding, Lead Auditor Training, American Concrete Institute Grade I Field Testing Technician, Nuclear Density Gauge, New England Transportation Technician Certification Program Hot Mix Asphalt and Concrete, American Society for Nondestructive Testing Liquid Penetrant & Magnetic Particle, American Concrete Institute Flatwork Technician, Windsor Probe System Operator

Total Years' Experience 30+

Logan Markie

Construction Inspector

Professional Profile

Mr. Markie's inspection skills have been utilized in projects providing complete road layout, waterline installation, bridge deck repair, mill and fill paving, sign inventory, erosion control and traffic control. His surveying skills encompass topography, calculations, equipment setup, subdivision of land, data collecting and field notes, site grading and utilizing total station. His technical and business skills incorporate the use of AutoCAD, Autodesk LDT, Site Manager, MATS, MicroStation, Carlson, Carlson Civil 3D, Solid Works, and, Microsoft Word/Excel, as well as estimating, hydraulics and drainage, environmental engineering, site plans, structural design and soil and material testing.

Inspection Skills:

- Drainage Installation
- Waterline Installation
- Survey Work
- Concrete Form Work
- Steel Reinforcement Layout and Installation
- Cofferdam Excavation
- Driven Pile
- Concrete Sounding
- Concrete Repair
- Overseeing Concrete Testing Procedures
- Bridge Deck Repair
- Sheet Membrane Waterproofing
- Box Culvert Installation
- Road Profiling
- Cold Planing
- Reclaiming
- Traffic Signal Installation
- Rail Road Signal Installation
- Complete Road Layout
- Slope work/stabilization
- Earthwork
- Median Barrier Layout/Installation
- Curbing
- NovaChip Paving
- Sign Inventory
- Various Erosion Control Measures, including Environmental Permitting
- Traffic Control
- Guardrail/Bridge Rail Installation and Layout

Proposed Project Assignment

Tech V

Education

2009/Civil and Environmental Engineering
2006/Architectural Engineering Design

Certifications

ACI
Nuclear Density Gauge
NETTCP HMA Paving Inspection
NETTCP Concrete Inspection
Nuclear Density Gauge
ATSSA Traffic Control Tech
NETTCP drilled shaft inspection
National Highway Institute Driven Pile
Foundation Inspection
OSHA 10

Total Years' Experience 8; With GPI: 8



- Light Pole Base Installation
- Electrical Conduit Installation
- Light Pole Installation
- Pavement Marking
- Heavy Highway
- Rehab of Drop Inlets, Catch Basins and Manholes
- Fine Grading
- Berm Removal
- Fence Installation (Woven Wire, Chain Link and Drive Gates)
- Chief Inspector on Various Contracts

Project Experience

Rutland City STP 2728(1),NH 2716(1) & STP 019-3(57). 2014. Chief Inspector. Work To Be Performed Under This Project Includes 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.

Rutland City NH 2716(1). 2014. Chief Inspector. Work To Be Performed Under This Project Includes Cold Planing And Resurfacing Of The Existing Highway With A Shim\Leveling Course And Wearing Course, New Pavement Markings, Drainage Improvements, At-Grade Rail Crossing Rehabilitation, Video Vehicle Detection Systems, Sidewalk Ramps, New Signs And Other Highway Related Items.

Rutland City STP 019-3(57). 2014. Chief Inspector. Work To Be Performed Under This Project Includes Box Cut Widening, Sidewalk And Curb Replacement, Shared Use Path Construction, Storm And Sanitary Sewer Improvements And Relocation, Water Valve Installation, And Street Lighting.

Larry Wheeler

Construction Inspector

Professional Profile

Mr. Wheeler has served on a variety of construction engineering projects and has gained detailed knowledge of many construction activities for bridges, highway and permit jobs and comprehend construction plans. He is an experienced and qualified inspector for various construction projects.

Project Experience

On April 31, 2011, Mr. Wheeler retired from the Vermont Agency of Transportation and on July 11, 2011, he began employment with GPI/Greenman-Pedersen, Inc. Since that time, he has worked as a Consulting Technician exclusively for the Vermont Agency of Transportation. His assigned duties during this timeframe include the following:

VAOT Structures Section. 10/15/12+. Duties include the review of Structures Plans and working with utility companies and municipalities to coordinate the relocation and/or installation of aerial and underground utility lines (water, sewer, electric, telephone, etc) to meet the needs for VAOT bridge construction projects. In some cases this requires the development and management of reimbursement agreements and in all cases it is necessary for me to develop the Utility Special Provisions and Utility Clearance for the project. He works very closely with the VAOT Utilities and Permit Unit to ensure that all policies, guidelines and standards are being adhered to.

VAOT Quality Assurance/Quality Control (QA/QC) Section. 07/11/11-10/15/12. Responsible for reviewing VAOT construction plans, cost estimates and project special provisions for consistency and constructability and to eliminate as many errors and omissions as possible prior to the project being advertised for construction. His work in QA/QC was interrupted during the late summer of 2011 during my reassignment by the VAOT to work in Southern Vermont coordinating utility relocations and repairs, necessitated by Hurricane Irene, at VAOT construction locations.

State of Vermont/Agency of Transportation (VAOT). 10/25/07-04/31/11. Technician (Project Supervisor) in the Utilities and Permits Unit. One of the main responsibilities of this position was working with individuals who were proposing construction activity within the State Highway right-of-way to ensure that the work was compatible with all Agency and Federal policies, guidelines and standards and ultimately issuing a Title 19 V.S.A. Section 1111 permit for this work. The second component of this position included working with utility companies to coordinate the relocation and/or installation of underground and aerial utility lines (water, sewer, electric, telephone, etc) to meet the Agency's needs for a construction project. In many cases this required the development and management of reimbursement agreements. On July 5, 2009, Mr. Wheeler was promoted to Utility and Permit Supervisor, becoming responsible for several employees performing the afore-mentioned tasks.

08/04/97-10/25/07. Technician (Project Supervisor) in the Pavement Management Section overseeing the development of multiple pavement rehabilitation type projects from start to finish. Design of these projects was completed by Consulting Engineering firms and/or in-house design. Assistance was provided to the Resident Engineers during construction to resolve any and all issues which came up.

05/03/93-08/04/97. Technician in the Consultant Management Unit. This work was quite similar to that of the Roadway Design Section, except that the actual designs were completed primarily by Engineering Design (Consulting) firms. The responsibility of this section was to oversee this design work to ensure constructability and compliance with established Agency guidelines, standards and procedures. All personal service contracts were handled by this section, including contract preparation and administration and the processing of all invoices for all work performed under these contracts.

03/10/85-05/03/93. Technician in Roadway Design. Responsible for the day-to-day preparation of roadway/bridge plans, obtaining all required permits, preparing construction estimates, attending public hearings, etc.

07/10/78-03/10/85. Technician in the Survey Section (Sometimes as Acting Survey Chief). Obtained necessary field information for Transportation (Roadway, Bridge, Airport, Railroad, etc) projects.

Proposed Project Assignment

Tech V

Education

1969-1971/Vermont Technical College, Randolph Vermont/Highway Design Technology; relevant courses included Highway Design, Route Surveying, Hydraulics and Drainage, Materials and Structural Analysis

Total Years' Experience: 46+

Matthew Hudson

Construction Services

Professional Profile

Mr. Hudson has been employed with Vermont Survey and Engineering, since 1986. As Senior Survey Party Chief, he assists in estimating projects and is responsible for all types of surveys, including topographic modeling, construction survey, as-built surveys, and boundary surveys. Matt is an experienced AutoCAD operator, and has used MicroStation as an Engineering Technician. He is involved with computing alignments, grades, and quantities for highway related projects. Survey Equipment Knowledge:

His he experienced of 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.

Project Experience

Prior Firm Experience

Vermont Survey and Engineering, Montpelier VT. 06/86-01/15. Survey Party Chief. Responsible for many VTTrans' projects all over the State. Mr. Hudson maintains a good working knowledge of Vermont's transportation construction procedures.

Major Projects:

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' 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.

Proposed Project Assignment

Tech II

Education

1980-1985/Union District #32/East
Montpelier, VT

Total Years' Experience: 31; With GPI: 1



Matthew McCane

Project Manager / Senior Coatings Inspector

Professional Profile

Mr. McCane is a project manager/business development/certified trainer (FHWA-NHI 420018 & OSHA Instructor) with 25+ years of experience in construction inspection and the heavy highway industry, including recent projects in the industrial painting projects and heavy highway industry. He is an expert at problem-resolution and planning and managing projects from inception through completion. He is experienced in supervising all levels of technicians, engineers, and craft and in building relationships with Owners, Managers, Engineering Firms and staff. He maintains excellent oral and written communication skills.

Recent projects include QA/QC auditing for Westminster-Norwich IM BPNT(8), Richmond-Highgate IM BPNT(9), Bridgewater 100A and Route 4 bridge structures, Hartford STP 1444(35), Bennington AC NH 019-1(54), Richmond BHF 0209(7) and Bradford STP 1447(28). Mr. McCane has been instrumental in providing professional technical guidance to field staff assigned to NACE Coatings inspection projects within the State of Vermont.

Project Experience

New York Power Authority Term Agreement Statewide, NY. 2010+. Provide consulting services in connection with the National Association of Corrosion Engineers (“NACE”) certified coating system evaluations, selection and application on equipment, structures and infrastructure surfaces. Services include field and home office technical support, on an “as needed” basis, and involve, but are not limited to, inspections of Authority Buildings, bridges, roadways, tunnels and transmission towers located throughout New York State, in compliance with NACE certification requirements; laboratory testing and analysis; preparation of detailed reports and recommendations for various applications, etc. as more fully described in the Technical Specifications. Client: NYPA

VT Construction Inspection Term Agreement, Statewide, VT.

2012. Coatings QA/QC Auditor. Responsible for Bridge Painting (PM). Projects included Westminster-Norwich IM BPNT (8), Richmond-Highgate IM BPNT (9), Bridgewater 100A and Rt. 4. The projects consisted of SSPC Class 1A Containment systems, 29 CFR 1926.62 Lead Based Paint removal rules and regulations and a zinc, epoxy, urethane and grease coating system. Client: VTrans

VT Construction Inspection Term Agreement, Statewide, VT. 2011. Coatings QA/QC Auditor. Responsible for Bridge Painting (PM). Projects included Bradford STP 1447 (28), Richmond IM BPNT (6), Richmond IM BPNT (7), Bridgewater 100A and Rt. 4. The projects consisted of SSPC Class 1A Containment systems, 29 CFR 1926.62 Lead Based Paint removal rules and regulations and a zinc, epoxy, urethane and grease coating system. Client: VTrans

C/I VT Hartford (Wilder) STP 1444 (35), VT. 2010+. Coatings QA/QC Auditor. Responsible for Bridge Painting (PM). Bridge No. 38: Project consisted of the rehabilitation of the historic single span steel pony truss bridge which carries TH 29 over the Washington County Railroad (Connecticut River Line). Bridge No. 36: This project consisted of replacing the existing wooden bridge with a single span bridge, which carries TH 81 over the Washington County Railroad (Connecticut River Line). Client: VTrans

Proposed Project Assignment

Chief NACE Certified Coatings Inspector

Registration/Certifications

2005/NICET III - Highway Construction/NY
2009/OSHA 500 Instructor's Course (10 & 30 hour safety course)
OSHA Training
2002/NACE Certified Coatings Inspector/NY
2001/SSPC - C-3 Supervisor/Competent Person
2004/SSPC-C-5 Supervisor/Competent Person
2003/SSPC - C-2 Specifying and Managing Protective Coatings
2004/Tower Climbing Safety & Rescue Instructor
2005/Certified Professional in Erosion and Sediment Control
2006/SSPC Member
2012/ FHWA-NHI-420018 Instructor

Education

AAS/1988/Construction Engineering
BA/1990/Business Administration Public Management

Total Years' Experience 26; With GPI: 16



Natalie Boyle

Construction Services

Professional Profile

Ms. Boyle represents GPI as a Project Outreach Coordinator in Vermont providing public speaking and public relations. GPI has worked on various projects requiring outreach with many local governments to address local concerns, and on some projects, the work included extensive interaction with the community and intense public relations. We take pride in being proactive to communicate effectively prior to inaccurate information becoming a point of contention with local residents. Working out of our Vermont office and a Vermont resident, she provides a special knowledge of local and regional issues. A well planned and implemented public information and outreach campaign can help mitigate many issues by warning drivers of upcoming work zones and provide information to drivers both pre-trip and en route. This information allows drivers to make informed decisions about the route to take and when to travel. Communication from the Resident Engineer to the public assistance outreach person is critical for up to date accurate information to release. She is proficient with Microsoft Office and Macintosh applications, and maintains scheduling and administration skills.

Proposed Project Assignment

Project Outreach Coordinator

Education

1993/BS/Elementary Education/Castleton State College, Castleton, VT; Certified classroom teacher, K-6; Music endorsement, K-6
2008/Master of Arts, Education/Castleton State College, Castleton, VT; Curriculum and Instruction

Total Years Experience 17

Project Experience

Rutland-Burlington VTRY(3), VT. 2014. Public Outreach Coordinator. Providing outreach to address local concerns, including extensive interaction with the community and intense public relations.

Brandon-Middlebury NH SURF(43), VT. 2014-2015. Public Outreach Coordinator. Providing outreach to address local concerns, including extensive interaction with the community and intense public relations.

Rutland City NH 2716(1), VT. 2013+. Public Outreach Coordinator. Providing outreach to address local concerns, including extensive interaction with the community and intense public relations.

Rutland City-Proctor STP 2728(1), VT. 2013+. Public Outreach Coordinator. Providing outreach to address local concerns, including extensive interaction with the community and intense public relations.

Prior Firm Experience

Beth Towb Rutland, Rutland, VT. 01/97+. Administrative Assistant. Oversee the day-to-day operations of the church. Schedule appointments for the head minister and pastors. Organize music, children's and technology schedules.

Self-Employed, Rutland, VT. 05/00+. Homeschool Evaluator. Conduct end of year evaluations of progress and work completed for homeschoolers. Compile and complete reports, based on evaluations, to be sent to the State Agency of Education .

Intrepid Athletics, Inc., Rutland, VT. 01/12+. President/Founder. Organize public relations campaigns to create awareness for local athlete initiatives and competition. Experience with print, radio, and social media outlets to promote events and public awareness. Manage and coordinate volunteers for community events.

Percy Bannerman

Construction Inspection

Professional Profile

Mr. Bannerman's professional skills and core qualifications include performing tasks in surveying, planning, design, inspection, construction and research of engineering tasks. He has compiled statistics, testing and investigation of engineering operations. He has the ability to meet safety, performance and inspection objectives. He maintains knowledge and understanding of data collection at on-site projects, expertise in the equipment and use of total stations, efficient in materials processing and testing of concrete and asphalt. He is proficient in AutoCAD, Carlson, Microsoft Office, and MicroStation.

Project Experience

Current Experience:

Statewide STP CRAK (33), Statewide, VT. 2015/16. Inspector. Scope of work for this project consists of the routing and sealing of cracks in bituminous concrete pavement on the existing state, U.S., and Interstate Highways including appropriate traffic control.

Norwich-Fairlee IM SURF (48), Norwich-Fairlee, VT. 2015. Inspector. This project included the surface preparation involving patching, pot hole 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: Vermont Agency of Transportation*

Multiple Construction Roadway Projects, Barre, VT. 04/27/15+. Office Engineer. Tasks include running estimates (payment to Contractor), document and manage daily entries of work inspected and necessary paperwork for completion of project. Projects include:

- **Berlin-Barre City NH SURF (44)**
- **Berlin STPG SGNL (40)**
- **Hartford-Sharon IM SURF (46)**
- **Norwich-Fairlee IM SURF (48)**

Client: Vermont Agency of Transportation

Prior Firm Experience:

Agency of Transportation, Montpelier, VT. 06/14-12/14. AOT Tech Apprentice.

Goodwill Industries of Northern New England, Williston, VT. 05/11-08/11. Sales Associate.

Wofford Group Inc. Essex Junction, VT. 05/11-07/12. Salesman.

Proposed Project Assignment

Tech II

Education

2014/AS/Civil Engineering
2008-2010/Chemical Engineering

Registrations/Certifications

ACI Concrete Field Testing Technician
Grade 1
NETTCP HMA Paving Inspector
Nuclear Moisture Density Equipment Training

Total Years' Experience: 2

Peter A. McDonald

NACE CIP Coatings Inspector

Professional Profile

Mr. McDonald has 30+ years as a quality control inspector on construction projects in the bridge coatings and structural rehabilitation industry, with the last ten years dedicated to bridge deleading, coating and rehabilitation. His expertise on bridge coatings projects includes: Chief Inspector, Office Engineer, Coatings Inspector, Environmental Monitoring, and Failure Analysis and Evaluation on deleading and containment projects. The number of projects completed by Mr. McDonald is extensive and includes major bridges such as the Arrigoin Bridge over the Connecticut River, Metro-North Railroad bridges from upstate New York down to and including the Bronx, railroad bridges in the urban area of South Norwalk, Connecticut and projects with the Massachusetts Highway Department on heavily traveled highways.

He has extensive experience with bridge painting projects that included SSPC Class 1A containment rigging, abrasive blasting, lead removal, and spray painting. He has a thorough knowledge of OSHA and EPA regulations as well as SSPC guide specifications related to containment systems and environmental sampling during lead abatement.

Project Experience

Vermont Agency of Transportation, Bennington AC NH 019-1 (54), VT. 11/11+. Chief Inspector of a coatings project that consisted of deleading and recoating Three (3) bridges during the winter months. The Contractor was SSPC QP1 & 2 Certified, SSPC Class 1A Containment system according to Guide 6, SSPC SP 10 level of surface preparation and a NEPCOAT approved coating system.

Vermont Agency of Transportation, Bradford STP 1447 (28), VT. 08/11-11/11. Chief Inspector of a coatings project that was a repair contract of an existing bridge that showed signs of premature coating disbondment. The work consisted of cleaning as per SSPC-SP 12, WJ4 and SSPC-SP3 and the application of a pre-prime, surface tolerant epoxy and a urethane topcoat.

District of Columbia, Department of Transportation, Washington DC. 05/09-2011. Chief Inspector providing Quality Assurance oversight of civil and coatings/environmental work while maintaining a safe work environment on the North and Southbound 14th Street Bridges. Responsible for tracking and approval of submittals, coordinated and maintained pay and work schedules, provided onsite inspections and final approvals of completed work.

Massachusetts Port Authority, Boston, MA. 03/07-12/08. Chief Inspector providing Quality Assurance oversight on the Maurice Tobin Memorial Bridge project in Boston, Massachusetts. Responsibilities included working with the Port Authority to review and approve submittals, prepare pay and work schedules and conduct weekly construction meetings. Site Safety, Coatings and Environmental inspections were done on a daily basis.

New Hampshire Department of Transportation, Concord, NH. 04/06-11/06. Quality Assurance inspection services were provided on Bridge Nos. 144/056 and 145/053 on Route 103 over the Warner River in Warner, NH. Coating inspection services were also provided for Bridge Number 092 on Route 16 over the Peabody River in Gorham, NH.

Connecticut Department of Transportation, Norwich, CT. 10/05-12/05. Quality Assurance coating inspection services were provided during the rehabilitation of the East Haddam Swing Bridge in Haddam, CT.

Maine Department of Transportation, Lincoln and Caribou, ME. 08/04-10/05. Quality Control inspections were provided for lead removal and recoating projects in Lincoln and Caribou Maine. Both projects were completed ahead of schedule and incident free.

Chain Bridge, Contract 31184, over the Merrimack River, MA. 03/03-08/04. Project Manager. This historical landmark is one of only two known suspension bridges remaining in the state (the other in the Boston's Public Garden) and in fact the only one still in use. This landmark has gone through many rehabilitation processes and is now going through another. There are residential areas on either sides of the bridge, it connects Amesbury to Newburyport and passes over the Merrimack River. This is a total rehabilitation which includes some new steel, deleading of the old steel and industrial coating of the entire project.

Boston Brookline, Contract 32195, Stoneham, MA. 07/02-06/03. Project Manager/Coatings Inspector. This project is adjacent to Logan Airport and will eventually tie into its infrastructure. This is a difficult job that consists of containing, deleading and recoating pier bents, beams and fascias. It is in heavily congested areas of traffic, businesses and residential neighborhoods in close proximity. This is a project that requires full attention to all aspect of the industry.

Proposed Project Assignment

Coatings Inspector/Tech V

Registration/Certifications

NACE Certified Coatings Inspector
SSPC-C3 Supervisor/Competent Person-
Deleading
SSPC-C5 Supervisor/Competent Person
Refresher for Deleading
OSHA 10-hr. Construction Industry

Total Years' Experience: 30+; With GPI: 11



Contractor was SSPC QP1 & 2 Certified, SSPC Class 1A Containment system according to Guide 6, SSPC SP 10 level of surface preparation

Robert P. Dixon

Construction Services

Professional Profile

Mr. Dixon is an experienced inspector with an understanding of construction planning and control, blueprint reading, statics and strengths of materials, applied structural steel design, and construction estimating. His more recent experience involves construction inspection/oversight, pavement, concrete inspection and testing as well as coatings inspection and testing.

Project Experience

Enosburg BRO 1448(40), Swanton Sheldon STP 2715(1) projects, VT. 04/14 – Current. Inspector. Performed oversight and inspection on a 28 day, single span, bridge closure project. The project included removal of a temporary Maybe bridge, earthwork, sub base materials, precast footings, abutments, beams and deck. Performed oversight and inspection on a 10 mile paving project from Swanton –Sheldon involving shoulder widening, paving, slope stabilization, signage and line striping.

Client: Vermont Agency of Transportation

SLSDC Eisenhower Lock Miter Gate Rehab, Massena, NY.

12/13-04/14 Lead Inspector. Duties included project oversight, daily work reports, tracking project progress, reporting to DOT Technical Representative and NACE inspections for 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 are met.

Richmond-Highgate, South Burlington-Winooski and

Richmond (6) & (7) Bridge Painting Projects, VT. 04/10-12/13 Inspector. Performed blast inspections for lead paint removal and coating applications on over 20 interstate bridges to ensure that contract special provisions were met, conducting daily work reports and general project oversight. *Client: Vermont Agency of Transportation*

Williamstown BRS0204 (4) Bridge Replacement Project, VT. 08/09-12/09. Inspector. Project includes channel excavation, sub footing and footing construction, abutment and wing wall construction, deck construction, drainage, pavement, signage, guardrail and landscaping. *Client: Vermont Agency of Transportation*

Multi-Span Truss over the Missisquoi River, Swanton, VT. 05/09-07/09. Served as Painting Inspector on a multi-span truss bridge going 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 sub base materials, paving, drainage, landscaping and signage. Also, assisted the VTRANS Resident Engineer with inspection on a covered bridge in Fairfield, VT.

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. I would attend meetings with contractors, subcontractors, SUCF, SUNY Plattsburgh and others weekly to ensure contractor was on schedule.

Butler Building, Guantanamo Bay, Cuba. 07/07-05/08. Constructed 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.

Proposed Project Assignment

Tech IV

Registration/Certifications

2002/NACE – CIP Level I Inspector
2000/NETTCP Asphalt Paving
2000/Nuclear Density
2000/ACI - Concrete Field Testing Tech I
2003/NICET III
2002/ATSSA - Traffic Control Supervisor/VT
Associated General Contractors of
Vermont-Registered Flagger/VT
2012/NETTCP - Concrete Inspector
Certification
2007/ATSSA Traffic Control Supervisor
2007/Fall Protection OSHA 1926.500 Basic
2011/ NETTCP Driven Pile

Total Years' Experience 23; With GPI: 11



Richard W. Ferguson, III

Construction Services

Professional Profile

Mr. Ferguson is motivated to further his career implementing the skills and knowledge obtained through his education at Vermont Technical College. Mr. Ferguson has experience in several facets of the construction industry serving in multiple capacities and responsible for varying construction related tasks.

Mr. Ferguson received Honors Award from the American Society of Civil Engineers.

Current Assignment:

T. Daniel Williams Roofing, Poultney, VT. 05/07 - Present

Laborer for Roofing Construction.

- Worked collaboratively with a team to practice effective communication
- Followed instructions on installation of roofing material
- Managed job tasks independently to effectively complete work in a timely fashion

Town of Poultney Highway Department, Poultney, VT. 06/10 – Present. Road Work and Clearing.

- Extensively worked to clear backroads and highways of debris from storms
- Independently worked to saw fallen trees that obstructed the roads
- Designed and constructed equipment alterations essential to the town

Previous Experience:

Lyle Welding Fabrication, Poultney, VT. 07/13 – 09/13. Metal Fabrication Work.

- Measured and marked steel for project specifications
- Worked hands on with equipment to cut steel for project required length
- Grinded rough steel in order to prep for welding

Proposed Project Assignment

Tech II

Education

2014/AS/Civil & Environmental Engineering
Technology
Vermont Technical College

Total Years' Experience 2

Ryan Foss

Construction Services

Professional Profile

During the past three years, Mr. Foss has been part of over \$250M worth of resort expansions at Jay Peak Resort. These projects have included hotels, condos, roads, sewer lines, and snowmaking improvements. During this work, he worked very closely with the owner, contractors, general contractors, and state agencies. This work took a difficult balance that included schedules, budgets, multiple contractors, and state agencies. Good communication skills were a key part of making a successful construction season every year. Office experience includes preparing project permits, shop drawing reviews, RFI's, creating erosion control plans, field reports, cost estimates, and other general engineering tasks.

His engineering/construction inspection experience includes erosion inspections and reporting, Resident Engineer inspections, detailed documentation, completing erosion plans and permits, Act 250 permits, water & wastewater permits, and stormwater and wastewater annual inspections.

Project Experience

GPI/Greenman-Pedersen, Inc. 04/15+. Technician II.
Guilford-Rockingham IMG SIGN(44), Town of Rockingham, VT. Work to be performed under this project includes the removal of existing signs and posts and the installation of new signs and sign posts and other highway related items. *Client: Vermont Agency of Transportation*

Prior Firm Experience

Trudell Consulting Engineers, VT. 05/13-2014; 05/12-08/12 (Intern). Field/Staff Engineer.

Jay Peak Resort Projects. Completed Resort Expansions. Roles were primarily OSPC role, included daily inspections of all sites, working closely with contractors for open earth acreage. Also doubled in as Resident Engineer for inspections, testing, and field reports. Projects included:

Burke Mountain Resort Project. Included new hotel and conference center. Role included was weekly erosion control inspector with weekly report to state agency.

COCO Ferrisburgh Project. Included convenience store/fast food restaurant with large wastewater system. Roles were Resident Engineer, field reports, working closely with owner as the project developed.

Stowe Club Highlands Project. Included residential subdivision. Roles included Resident Engineer, and erosion control inspections.

Montpelier High School Project. Included rebuild of school parking lot. Role included Resident Engineer with weekly field visits and reports.

Pike Industries. 05/11-08/11. Engineer Intern. Alternating 2-week program for each aspect of the company, also included crushing, paving, quality control, and environmental aspects.

State of Vermont. 05/10-08/10. Resident Engineer Intern. Daily report sheets. Performed job inspection, which included paving, guard rail, grading, and reclaiming.

Town of Barre, VT. Engineer Intern. 05/08-08/09. Performed pavement/milling inspection; budget worksheets; and working with the public on projects.

Proposed Project Assignment

Tech III

Education

2013/BS/Sustainable Site Design/Vermont Technical College
2011/AS/Civil & Environmental Engineering/Vermont Technical College

Registrations/Certifications

2011/Nuclear Density Gauge Certification

Total Years' Experience: 5 Years; With GPI: 5 Months



Roland Thereault

Construction Services

Professional Profile

Mr. Thereault started his transportation career with VTTrans as a design drafter and surveyor. He continued his career as a drafter and inspector in the consultant community. He has served on a number of assignments under GPI's VTTrans agreement.

Project Experience

Stockbridge-Bethel, VT. STP 2910 (1), VT. 06/02/14-11/14/14.

Inspector. Reclaim Project. Responsibilities included cold planing, reclaiming, regarding to reestablish cross slopes, cold mix base course, binder and top. Drainage inspection, new underdrain, new cross pipes and new drainage structures. Extend existing cross pipes. Rehabbing of existing drainage and sewer structures. *Client: Vermont Agency of Transportation*

Bethel-Randolph-Northfield, VT. STP 2922 (1), VT. 05/13-10/13.

Inspector. Responsibilities included cold planing, resurfacing with leveling course and wearing course, pavement markings, sidewalk ramps with trunked domes, rehabbing of drainage and sewer structures. *Client: Vermont Agency of Transportation*

Route 107 Bethel and Stockbridge Irene Recovery, VT. 09/11-12/11.

Inspector. Responsible for working closely with the Contractor, Resident Engineer, and the Designer to complete various slope, embankment, and drainage failure repairs. This included complete reconstruction of approximately 1-mile of roadway and 30 other individually identified sites along with the installation of two new precast concrete box culverts. *Client: Vermont Agency of Transportation*

Bloomfield-Lemington STP 2610(1), VT. 05/12-07/12. Inspector. Responsible for the milling and paving of VT Rte 102 including pavement markings and new signs. *Client: Vermont Agency of Transportation*

Barton-Orleans, VT. 07/12-11/12. Inspector. Responsible for the milling and paving of VT Routes 5 and 16 including pavement markings and new signs. *Client: Vermont Agency of Transportation*

Hartford-Sharon IM 089-1(57), VT. 05/11-09/11. Inspector. Responsible for the milling and paving of Interstate Highway with drainage and guardrail items. *Client: Vermont Agency of Transportation*

Sharon-Royalton IM 089-1(58), VT. 05/11-09/11. Inspector. Responsible for the milling and paving of 17-miles of Interstate Highway with drainage and guardrail items. *Client: Vermont Agency of Transportation*

Hartford IM I91/I89, VT. 05/10-11/10. Inspector. Responsible for the membrane installation on nine Interstate bridges. *Client: Vermont Agency of Transportation*

Hartford RS 011340, VT. 2008-2009. Inspector. Responsible for the complete reconstruction of 0.7-miles of US Route 5, including retaining walls and utilities. *Client: Vermont Agency of Transportation*

VTCl Shoreham STP EH06(9), VT. 2007. Inspector. Responsible for the rehabilitation of a Howe Truss wooden rail road bridge. This project included the replacement of deteriorated bridge members, including upper and lower cord members, lattices and floor beams, a new roof, and minor abutment repair. Also, responsible for all project record keeping using Site Manager Software. *Client: Vermont Agency of Transportation*

Wallingford Town Highway Bridge, VT. 05/06-10/06. Inspector. Construction included coffer dams and the construction of new abutments with a voided slab super structure. *Client: Vermont Agency of Transportation*

Proposed Project Assignment

Construction Inspector, Tech IV

Registration/Certifications

2014/ACI - Concrete Field Testing Tech
2013/NETTCP - Hot Mix Asphalt Paving I
1998/Nuclear Moisture/Density Gauge Safety and Operation
2009/NETTCP - Concrete Inspector Certification
2004/NETTCP - Soils and Aggregate Inspector Certification
2007/Fall Protection OSHA 1926.500 Basic NACE CIP Level 1

Total Years' Experience: 36; With GPI: 14



Richard Tittlemore

Construction Inspector

Professional Profile

Mr. Tittlemore is experienced in paving and traffic control for NYSDOT, including I-87 and various state highway projects. His course work included blueprint reading and principles of soils and masonry. He has strong knowledge in residential and commercial construction.

Project Experience

VT - Brandon-Middlebury NH SURF(43). 2014. Construction inspection of 15 miles of paving of rural state highway using Paver Placed Surface Treatment (PPST). Work includes removing vegetation under guardrail, cold planning side roads, replace plug joints as needed, highway markings, etc. Client: Vermont Agency of Transportation

VT - Pownal-Bennington NH SURF(42). 2014. Construction inspection of 10 miles of paving of rural state highway using Paver Placed Surface Treatment (PPST). Work includes removing vegetation under guardrail, cold planning side roads, mark out, mill and repave driveways, highway markings, etc. Client: Vermont Agency of Transportation

VT - Rutland City-Proctor STP 2728(1). 2014. Construction inspection of paving of a rural state highway (Village of Proctor). Work includes cold planing, leveling paving course, wearing course, guardrail, new signs, drainage, recessed highway markings, etc. (City of Rutland) Construction inspection of West St-US 4 Rail Crossing and Ripley Rd Rail Crossings Client: Vermont Agency of Transportation

VT - Warren-Waitsfield STP 2506 (1). 2013. Reclaim and pave 8 miles of a rural state highway VT 100. Work includes trench excavation of rock, shoulder stabilization, underdrain installed, cold planning and stockpile millings to be used for future base course, reclaim remaining asphalt, place base course of cold mix, place intermediate course and then place the wearing course, guardrail, new signs, highway markings, etc. Client: Vermont Agency of Transportation

VT - Addison - New Haven STP 9632 (1). 2013. Complete the reclaim/paving of about 4 miles of a rural state highway VT 17. Work includes cold planning chosen areas that had cracking at the center line of intermediate course placed in 2012, replace intermediate paving course that was milled, then place the wearing course, some guardrail replaced (hit over the winter), some new signs, highway markings, etc. Client: Vermont Agency of Transportation

VT - W. Rutland STP 2705(1). 2012. Paving 8 miles of a rural state highway VT 4A. Work includes cold planing, leveling paving course, wearing course with Intelligent Compaction (some with Warm Mix Asphalt, Foam), guardrail, new signs, highway markings, etc. Client: Vermont Agency of Transportation

VT - Castleton Village STP 2908(1). 2012. Construction inspection of 1 mile of paving of a village state highway VT 4A. Work includes cold planing, leveling paving course, wearing course using Intelligent Compaction, guardrail, new signs, drainage, highway markings, etc. Client: Vermont Agency of Transportation

VT - Castleton STP 2909(1). 2012. Construction inspection of 5 miles of paving of a rural state highway VT 30. Work includes cold planning (side roads), leveling paving course, wearing course using Warm Mix Asphalt, Wax with Intelligent Compaction, guardrail, new signs, drainage, highway markings, etc. Client: Vermont Agency of Transportation

Proposed Project Assignment

Construction Inspector, Tech IV

Registration/Certifications

2006/ACI Concrete Field Testing Technician
Grade I

2007/NETTCP HMAPI

2007/NETTCP Concrete Inspector

2009/NETTCP Driven Pile Inspector

2007/Nuclear Density Gauge

2007/Fall Protection OSHA 1926.500 Basic

2009/OSHA 10 Hr Construction Safety &
Health

2013/NETTCP Drilled Shaft Foundation
Inspector

ATSSA Traffic Control Supervisor Course

Education

AAS/2000/Computer Information Systems

Total Years' Experience: 10



Steve Chisholm

Construction Inspector

Professional Profile

Mr. Chisholm is an experienced inspector who has served on a variety of engineering projects and has gained detailed knowledge of many design and construction activities.

Project Experience

Middlesex IM 089-2(41), VT, 8/16 – present

Chief Inspector. Project includes construction of a new bridge on U.S. RT 2 over I-89, including new approaches, drainage work, and three MSE walls. Duties include overseeing construction inspection, including structural steel inspection, MSE wall inspection, reinforcing steel placement, concrete placement inspection, pile driving inspection, cofferdam installation, guardrail installation, membrane inspection, verification of beam profiles, traffic control, paving inspection, and providing assistance to other inspectors.

Duxbury BF 013-4(47), VT, 6/16 – 10/16

Chief Inspector. He provided assistance to inspectors that were overseeing the project.

Waterbury IM 089-2(43), VT, 03/15 – 9/16

Chief Inspector. Project included replacing bridge decks on two bridges on I-89 and construction of a new exit ramp bridge. Duties included overseeing the construction inspection. Responsibilities include overseeing demolition and removal of bridge decks, structural steel inspection, reinforcing steel placement, concrete placement inspection, verification of beam profiles, paving inspection, guardrail installation, sprayed on membrane, cofferdam installation, traffic control, and providing assistance to and overseeing other project inspectors.

Hyde Park STP CULV(26), VT. 04/14 – 12/14

Construction Inspector V. Project included removal of existing culvert and replacing it with a new bridge. Duties included office engineer and construction inspection. Responsibilities included overseeing excavation of existing culvert, pile driving inspection, reinforcing steel placement, concrete placement inspection, structural steel inspection, verification of beam profiles, precast deck panel installation, paving inspection and guardrail installation.

Morristown STP F 029 – 1(2)C/1, VT. 07/12+3/15. Construction Inspector V. Route 100 alternate truck route.

Project included construction of a new bridge over the Lamoille River and approach work. Duties include office engineer and construction inspection. Construction inspection includes overseeing roadway excavation, installation of drainage, cofferdam installation, pile driving inspection, inspection of reinforcing steel placement, concrete placement inspection, verification of abutment and anchor bolt locations using a total station, and structural steel inspection. Other duties include documentation of inspection. *Client: Vermont Agency of Transportation*

Berlin-Montpelier IM 089-1(53), VT. 04/12-07/12. Construction Inspector V, Route I-89. Project included hand rock scaling, a rockfall catchment fence installation, traffic control and related work. He assisted the Resident Engineer in overseeing removal of ledge by hand scaling. He oversaw installation of a rockfall catchment fence, and removal and resetting of guardrail. He assured work was completed in a safe manner. Other duties included documentation of inspection and assuring contractor compliance with the erosion control plan. *Client: Vermont Agency of Transportation*

Roxbury BHF 0187(8) & ER 0187(9), VT. 10/17/11+. Construction Inspector V. These projects included the reconstruction of a bridge on Route 12A and the installation of a concrete arch culvert on Route 12A due to damage from storm Irene. He provided assistance to the Resident Engineer in overseeing these projects for the State. The bridge reconstruction project (BHF 0187(8)) included the demolition of the existing bridge, installation of sheet piles for constructing a concrete footing for a precast wingwall. Partially remove existing abutments and install new concrete bridge seat caps on the remaining abutment. Portions of two wingwalls were removed with new concrete wingwalls

Proposed Project Assignment

Tech V – Chief Inspector

Education

1977/Hartford State Technical College
1974/Paul Smith College/1 Semester
ASCE

Registrations/Certifications

ACI Level I - 2014
NETTCP Concrete Technician – 2017
(Recertification Anticipated)
NETTCP Paving Technician – 2017
(Recertification Anticipated)
NETTCP Pile Driving - 2013
OSHA 10
ATTSA Traffic Safety

Total Years' Experience 39

Steve Chisholm

Construction Inspector

installed. Set the precast wingwall. Steel bridge beams were installed along with steel stay in place deck forms. Other duties included inspection of reinforcing steel installation and concrete placement inspection for bridge deck and approach slab concrete. The roadway was rebuilt, bridge rail and guardrail was installed along with temporary pavement. The ER 0187(9) project included the removal of an existing steel culvert, divert the stream to facilitate the installation of precast concrete footings and stem walls. Once both stemwall abutments were installed, the precast concrete arches were set on the stemwalls, spanning the stream. The structure was backfilled, the roadway was rebuilt and paved. Stone fill was installed in the river prior to setting the arch. Steel beam guardrail was installed along the roadway. Other duties included documentation of all inspections. *Client: Vermont Agency of Transportation*

Williston-Georgia IM MEMB(23), VT. 08/11-10/11. Construction Inspector V. This project included the rehabilitation of bridge decks on I-89 in Williston and Georgia. He was responsible for assisting the Resident Engineer in overseeing this project for the State. This included overseeing the installation of traffic control packages, cold planning operations, identifying concrete repair areas on the bridge deck and overseeing the repair of the deteriorated concrete. Other duties included overseeing the installation of torch applied membrane, paving operations, line striping and documentation of inspections. *Client: Vermont Agency of Transportation*

Berlin-Waterbury IM SURF(20), VT. 04/11 -08/11. Construction Inspector V. Work on this paving project, on I-89, included assisting the Resident Engineer in overseeing the project for the state. This included overseeing cold planning operations, paving operations, installation of guardrail, asphaltic plug joints, line striping, re-profiling a section of I-89 and traffic control. Other duties included documenting inspections on daily work reports and assisting in finalizing the project. *Client: Vermont Agency of Transportation*

Montpelier BHF 6400(31), VT. Construction Inspector V. Work performed under this rehabilitation project included overseeing the project for the state with assistance from the Resident Engineer, as needed, as well as handling the office engineer work. The bridge is a steel truss bridge on Taylor St. in Montpelier. Originally built in the 1930's, the old structure is being retained with steel members and gussetts replaced as section loss dictates. The bridge was jacked up and the existing abutments were partially removed and also had a partial facing replacement. The project included new bridge seats, back walls, and partial wing walls at each abutment. Also the exposed portion of the abutment was removed 1' into the abutment and new concrete facing was placed, anchored to the existing abutment with dowels that were drilled and grouted. Steel work included total replacement of existing floor beams and stringers. The vertical truss members were cut off 9' above the bridge deck, with new 9' section of steel spliced in and special shoring was required. Replaced all chord splices on one side of the bridge and all of the gussetts at each node (being the vertical/diagonal/floor beam connections) on one side of the bridge. All new bridge rail will be installed and new bearings at the expansion end of the bridge and rehabbed at the fixed end. Also, in the process of installing new waterline, which is suspended under the sidewalk and once complete, a new concrete bridge deck will be placed along with new approach slabs. Torch applied membrane will be installed over the deck and the bridge will be paved and the bridge will be blasted and painted. *Client: Vermont Agency of Transportation*

Prior Firm Experience

Boswell Engineering, Inc. 06/06-08/10.

VAOT, I-89 Waterbury, Bridges, Rte. 100/ Rte. 100B Bridges Moretown/Waterbury, I-89 Bridges

Richmond/Highgate, VT. Inspector-Tech V, 04/09-02/10. He was responsible for inspection on resurfacing of bridge decks. This included overseeing cold planning operations, identifying unsound concrete areas on the bridge decks and overseeing repairs, torch applied membrane installation, paving operations, and plug joint installation. He was responsible for computing quantities for contractor payment and preparing daily reports. Entered final quantities into project books assisted in finalizing the project. Assure all certifications and testing was complete.

VAOT, Rte. 15 Bridge, Johnson, VT. 06/07-12/08. Office Engineer/Assistant Resident Engineer, Tech V. He was responsible for overseeing construction of new bridge. This included overseeing construction of temporary bridge, demolition of old bridge, waterline installation, sewerline installation, cofferdam installation, pile driving, installation of formwork and reinforcing steel, electrical conduit and lighting, drainage work, roadwork, installation of structural steel and bolting, concrete inspection and guardrail installation. Assure all work was performed in accordance with plans and specifications. He was responsible for computing all quantities and entering daily reports and quantities into site

Steve Chisholm

Construction Inspector

manager. Entered all quantities into project books and assure all testing and certifications were completed. Assisted in finalizing the project.

VAOT, I-89 Waterbury, VT. 06/06-12/06. Inspector. He was responsible for overseeing construction of concrete median barrier and drainage work on I-89. This included inspection of reinforcing steel, concrete placement, installation of drainage structures, and paving operations. Assure all work is performed in accordance with plans and specifications. He was responsible for computing quantities for contractor payment and preparing daily reports.

State of Vermont Agency of Transportation. 04/03-06/05. Structural Concrete Supervisor. He was responsible for supervision of concrete inspectors monitoring concrete production for concrete supplied to AOT projects and for prestress/precast work involving AOT projects. Prepare concrete mix designs for AOT projects. Oversaw consultant inspection contracts and verify and approve consultant pay requests. Oversee laboratory testing of concrete and reinforcing steel.

Sasa Dejan

Construction Services

Professional Profile

Mr. Dejan has experience in pavement condition surveys, material testing and data entry. His technical skills include: Site Manager, AutoCAD, Carlson, RSMeans, Prolog, Materials Testing: Water, Soil, Concrete, Asphalt, Cost Estimating, Surveying, QuickBooks, On-Screen Takeoff, and Microsoft Office.

Project Experience

GPI/Greenman-Pedersen, Inc., Albany, NY, 05/15+. Tech II.

Main responsibilities include providing QA testing and inspection for different projects. Daily responsibilities include nuclear gauge density/moisture tests for all stages of construction, including subgrade compaction, placement of aggregate base material and backfill, sieve analysis tests, percent fractured face test, taking samples of aggregate and creating reports.

Prior Firm Experience

Vermont Agency of Transportation, VT. 05/14-08/14. Intern. Pavement condition survey, material sample pick up and transport, material testing, and data entry.

Loso's Professional Janitorial Services, South Burlington, VT.

05/08-07/13. Janitor. Ordinary manual work involving custodial and housekeeping care of Merchants Bank, Maintain daily time sheet, Security background check.

Proposed Project Assignment

Tech II

Education

2015/BS/Construction

Management/Vermont Technical College

2012/AS/Civil and Environmental

Engineering/Vermont Technical College

Registrations/Certifications

NETTCP Soils and Aggregates Inspector

101 - Portable Nuclear Density/Moisture Gauge Use

102 - Hazardous Materials D.O.T. Training

ACI Concrete Field Testing Technician – Grade I

OSHA 30 Hour

AHA BLS CPR/AED for Healthcare Providers

Total Years' Experience: 2years; With GPI: 2



Samuel W. Lagor

Construction Services

Professional Profile

Mr. Lagor is a highly motivated student of geology who has been able to participate in several unique opportunities which have helped him develop into a quick learner, a well-rounded researcher, and one who is comfortable conveying complex information. Among many of his academic accomplishments, Mr. Lagor has received honors from the Sigma Gamma Epsilon honors society (receiving the W.A. Tarr Award), from the St. Lawrence University Geology Department (receiving The Golden Hammer Award – Best Field Partner), and the Vermont Geological Society Annual Meeting (receiving second placing for Best Student Presenter in 2015). In addition to the awards mentioned, Mr. Lagor has three Peer-Reviewed Published Abstracts and has delivered several lectures for institutions such as St. Lawrence University, the University of Vermont, the Geological Society of America, the Vermont Geological Society, and the Burlington Gem and Mineral Club, and has successfully received research grants from the Vermont Geological Society and the Burlington Gem and Mineral Club.

Mr. Lagor has participated in geologic field experiences throughout the world, including 3 years of study at St. Lawrence University and the adjacent Adirondack mountains, participating in a glacial geology course in Alaska, and semesters abroad in France and New Zealand. At The University of Otago in Dunedin, New Zealand, Mr. Lagor participated in sedimentological Studies on Stewart Island aboard the Polaris II research vessel, studied Barrovian metamorphism in south eastern NZ, and the development of the Alpine Fault System. Mr. Lagor spent the Spring of 2012 studying at l'Université de Savoie in Chambéry, France studying the formation of the Jura mountain range, the metamorphic evolution seen from the external Alps to the internal Alps, and constructed a geologic map of a field site near Corbières, all in a foreign language. During his last year at St. Lawrence, Mr. Lagor completed a senior thesis on high-grade metamorphism in the Adirondacks, completing significant petrographic microscopy, scanning electron microscopy, and geochemical work. Mr. Lagor's Master's Thesis at UVM concerned the timing of intrusion of the Knox Mountain granite in eastern Vermont relative to the timing of mountain building there, which he deduced with field and petrographic observations, and $^{40}\text{Ar}/^{39}\text{Ar}$ and U-Pb radiometric dating.

In addition to the impressive list of accomplishments mentioned above, Mr. Lagor is fluent in French, conversant in Italian and Spanish, and is proficient in Adobe Illustrator, ArcGIS, Scanning Electron Microscopy, Mass Spectrometry, SQL and Visual Basic coding, and Microsoft Office.

Work Experience as a Consultant for Vermont Agency of Transportation

VTrans David Dill Building, Berlin, VT 04/2016 – Present. Site-Manager Template Builder; Site-Manager Maintenance Team. As a member of the VTrans Site-Manager Maintenance Team, Mr. Lagor has been tasked with redeveloping and rebuilding a number of sample templates that are used to log material sample data into the VTrans construction project management software Site-Manager. Mr. Lagor accomplishes this task using the software PowerBuilder, writing SQL and Visual Basic code. Because Mr. Lagor lacks a background in computer science, and due to the unusual nature of this assignment, many of the skills required have been self-taught, or learned via collaboration. Mr. Lagor has been diligently documenting this template building process for procedure precedence and for future VTrans employees. Additionally, Mr. Lagor reviews construction contracts' sampling checklists as a backup contact for the VTrans Materials Acceptance Unit.

Prior Firm Experience

University of Vermont, Burlington, VT. 08/2013 – 05/2016. Graduate Teaching Assistant. Mr. Lagor acted as a teacher's assistant for two upper-level geology courses and 14 various sections of introduction to geology classes during his academic career, while maintaining a full academic course load, during which time he was solely responsible for student safety and teaching the material, leading groups of 15 or more people to different geologic

Proposed Project Assignment

Tech II

Education

2016/ Masters in Science – Geology
University of Vermont
2013/ BS – Geology
St. Lawrence University
2012/ Studied Abroad – Geology
L'Université de Savoie
2011/ Studied Abroad – Geology
University of Otago, New Zealand
OSHA – 10 Hour

Total Years' Experience 5

Samuel W. Lagor

Construction Services

sites throughout Vermont and New York. Additional responsibilities included proctoring and grading examinations, assignments, and papers in a timely manner, maintaining office hours to meet with students, and informing students on procedures for completing and submitting laboratory work such as lab reports, field write-ups and class assignments.

St. Lawrence University, Canton, NY. 08/2012 – 05/2013. Undergraduate Teaching Assistant. Mr. Lagor taught sections of Geochemistry and Introduction to Geology course's lab in addition to a full academic course load. He led discussions, tutorials, and laboratory exercises under the guidance of an assistant professor.

The Governor's Institute of Vermont, Burlington, VT. 06/2014 ; 06/2015. Assistant Faculty. Responsibilities included teaching high school students about the quality of soil and water environments, acting as a residential assistant to students during week-long stay in campus housing, helping students conduct field research, analyze data, and prepare reports, and leading students in exercises in scanning electron microscopy for additional data.

Pioneer Engineering & Environmental Services, Inc., Chicago, IL. 06/2010. Office/Field Intern. Responsible for conducting research on potentially hazardous sites at the University of Illinois at Chicago's library by retrieving historical documents for given addresses, and photocopies of USGS aerial photographs of specified areas over several decades. Assisted in several site investigations at industrial, residential, and underground storage tank locations needing soil and water remediation, and assisted in many assignments in the field, including soil and sediment sampling, administering preliminary chemical analyses, and installation of groundwater monitoring wells.

Tucker Bumps

Construction Services

Professional Profile

Mr. Bumps has experience working in the construction industry responsible for various tasks.

Project Experience

Bridport STP CULV(29), Bridport VT. 05/15-07/15.

Inspector. Inspection duties included inspection of (excavation operation, common excavation, structure excavation), (dewatering, cofferdam installation, turbidity curtain), proper backfill procedure, paving, temporary detour package, guardrail installation, daily reports, keeping track of (material quantities, flagger hours, uniformed traffic officer hours, man power and equipment). *Client VTTrans*

Hancock STP 2923(1), Hancock VT. 08/15-11/16. Inspector.

Inspection duties included inspection of (underdrain, trench excavation, solid rock excavation, linear feet of underdrain), (culvert installation, excavation, shooting grade, backfill procedure, linear feet of pipe), installation of headwalls, stone fill (type I and II), reclaim (initial reclaim, cement reclaim), paving (base layer type II, shim layer type IV, side roads), mainline paint, daily reports, keeping track of (material quantities, flagger hours, uniformed traffic officer hours, man power and equipment). *Client VTTrans*

Brandon-Middlebury SURF(43), Middlebury VT. 08/14-

11/14. Inspector. Inspection duties included inspection of (paving operation, painting lines and markings, cold planning, crack sealing), daily reports, keeping track of (material quantities, flagger hours, uniformed traffic officer hours, man power and equipment). *Client VTTrans*

New Haven WCRS(18), New Haven VT. 08/14-10/14. Inspector. Inspection duties included inspection of (installation of silt fence and project demarcation fencing, quality of work, installation of temporary roadway, demolition and installation of old and new railroad bridge), daily reports, keeping track of (materials used, flaggers and railroad flaggers, man power, equipment). *Client VTTrans*

Prior Firm Experience

State of Vermont (Bridge Team), Springfield VT. 05/13-08/14. Laborer. 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, jack hammer), rebar tying, sign package.

Army Corps of Engineers, Townshend VT. 05/11-08/12. Summer Laborer. Duties Included: raking of beach, Ball Mountain Dam property maintenance, Townshend Lake property maintenance, Campground property maintenance, painting, log boom maintenance, morning gate unlocks, tractor operating (loading trucks, York raking), truck driving (1-ton), fish trap operator.

Jim Crozier, Grace Cottage Hospital, Townsend VT. 08/08-08/10. General Maintenance. Duties Included: painting, landscaping, small construction (putting up walls, door framing, window framing), snow removal (shoveling, snow blowing, plowing).

Proposed Project Assignment

Tech II

Education

2013/AE/Civil and Environmental
Engineering/ Vermont Technical College

Registrations/Certifications

AutoCAD 2013
Carlson 2013 (Design, Lot/Property Layout)
Defensive Driving (Received Summer 2013)
Microsoft Office (Excel, Word, PowerPoint)
Nuclear Density Gauge Certification
(Received Spring 2012)
Surveying (Level, Total Station)
Fall Protection Training
Flagger Training
OSHA 10-Hour Construction Safety
(Received Winter of 2015)
ACI Grade 1 Certification
(Received Winter of 2015)
NETTCP Driven Pile Foundation Certification
(Received Winter of 2015)
NETTCP HMA Paving Certification
(Received Winter of 2015)
NETTCP Concrete Inspector Certification
(Received Winter of 2016)
Soils and Aggregate Inspector (Fall 2016)

Total Years' Experience 3

Troy Schumacher

Construction Services

Professional Profile

Mr. Schumacher's experience includes managing, monitoring, recording data and testing materials during the construction of transportation and energy facilities. Mr. Schumacher has supervised construction of numerous projects throughout the United States. His responsibilities included inspecting various contractors' processes and ensuring compliance with plans and specifications. Troy regularly collaborated with various project managers in civil, electrical, mechanical, steel erection and tower installation and provided recommendations as needed. Troy is familiar with construction, start-up, operations, maintenance and safety at various types of facilities.

Project Experience

GPI/Greenman-Pedersen, Inc. 04/15+. Tech IV. Mr. Schumacher is responsible for construction inspection on various construction projects for the SE Region of VTTrans. Current projects include; design review and preliminary work on the design-build I-91 bridge replacement over the Williams River near Exit 6 in Rockingham, VT, blasting and excavation for the removal of ledge along I-91 Southbound near Exit 6, and two separate rail rehabilitation projects east and west of Chester, VT.

In 2015, Mr. Schumacher was assigned to a four (4) bridge rehabilitation project consisting of membrane replacement and demolition of unsound concrete on the substructures and superstructures along US 4 between VT 100A and VT 100. He also worked on relocation and armoring of the streambed on VT 12 in Woodstock, VT to shore up the river banks and the adjacent roadway. He worked directly with the Resident Engineer and contractors; monitoring, testing, and tracking projects as they progressed. He submitted pay items directly into VTTrans Site Manager data base.

The following is the list of projects he worked on during this period of time.

Bellows Falls-Chester GMRC (21)
Rockingham IM 091-1(66)
Rockingham IM 091-1(71)
Bellows Falls-Chester GMRC (19)
Bridgewater BF MEMB (34)
Woodstock ER 0241(40)
Andover BHF 016-1 (29)

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.

Proposed Project Assignment

Tech IV

Education

1994/BS/Engineering Technology/University of Wisconsin
1992/AS/Arts and Sciences/University of Wisconsin

Registrations/Certifications

NETTCP Driven Pile Inspector - 2016
NETTCP Concrete Inspector - 2016
Traffic Management Plan (FHWA)
Nuclear Gauge & DOT Certified
OSHA 30-Hour Certified Construction
ACI Certified Field Testing - 2012
First Aid & CPR
Post Tensioning Institute Bonded Level I Field Specialist - Anticipated 2017
ATTSA Traffic Control Technician - Anticipated 2017

Total Years' Experience: 20+

William L. Waite

Construction Services

Professional Profile

Mr. William L. Waite is skilled in AutoCAD, Carlson with Inteli CAD, Land Desktop and Microsoft Excel. Experienced in land surveying and sustainable land use management; understanding of soils classification, civil and environmental design, environmental engineering, engineering materials, structural design; awareness of hydraulics and drainage.

Project Experience

Guilford-Rockingham IMG SIGN(44), VT. 07/14+. Inspector. Work performed under this project includes the removal of existing signs and post and the installation of new signs and sign posts and other highway related items.

Putney-Westminster STP 2946(1), VT. 06/14-12/14.

Inspector. Work performed under this project includes cold planning, widening and resurfacing of the existing highways with a binder course, wearing course, new pavement markings, guardrail, signs and other highway related items.

Prior Firm Experience

Vermont Agency of Transportation, White River Junction, VT. Summer 2013. Aggregate testing using a nuclear density gage, soils lab technician

Willis Consulting Engineers, Taftsville, VT. Summer 2011 & 2012. Surveying with a Nikon total station, drawing base maps on Land Desktop, drawing tidiness and corrections, soils lab technician, soil verifications in the field.

GeoDesign Incorporated, Windsor, VT. Summer 2008-2010. Responsible for Auto CAD drawing corrections, soils lab technician.

Proposed Project Assignment

Tech III

Education

2014/BS/ Sustainable Land Use/Vermont Technical College
2011/AS/Civil and Environmental Engineering Technology/Vermont Technical College

Registrations/Certifications

2011 Nuclear Density
ACI Concrete Field Testing Technician - Grade 1
Concrete Inspector Certification (NETTCP)
Hot Mix Asphalt Paving Inspector Certification (NETTCP)

Total Years' Experience: 3; With GPI: 2





GPI

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