



Response to Request for Qualifications for
At-The-Ready Consultant Engineering Services for Municipalities

Construction Inspection Services

January 6, 2017

Stantec

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a. Cover Letter

Stantec Consulting Services Inc.
55 Green Mountain Drive, South Burlington, VT 05403
P: 802.864.0223 F: 802.864.0165

January 6, 2017

Nydia Lugo, Technical Development Engineer
Agency of Transportation, Municipal Assistance Bureau
1 National Life Drive
Montpelier, VT 05633

Reference: At-The-Ready Consultant Engineering Services for Municipalities - Construction Inspection Services

Dear Ms. Lugo,

We're active members of the communities we serve. That's why at Stantec, we always design with community in mind. When we take on a project, we see more than a highway, road, bridge, or neighborhood. At Stantec, we look at every challenge as an opportunity to bring communities together. In the face of ever increasing budget constraints and the need for an expanding range of services having a trusted team such as Stantec makes sense for planned and unexpected tasks, high priority projects, and multi-disciplined consultation. Our proposed team is broadly skilled and has extensive experience with construction management and construction inspections services for projects throughout Vermont and New England.

With over 160 transportation focused staff in New England, our team has ample capacity to meet VTrans' and the Municipalities' needs. Our staff are recognized regional leaders in transportation projects and have worked hand-in-hand with the local communities for many years. We have the experience and capacity to provide the highest level of service to VTrans and Vermont Municipalities for this project. Our South Burlington office will serve as a local home-base for our New England and Albany, New York team members to provide construction management, inspection, testing, and other speciality services.

We're confident our team is a perfect match for VTrans and the Municipalities for the following reasons:

We Know State and Federal Regulations

We have knowledge of state and federal regulations. Over 95% of the work done by this team is state and federally funded, meaning these projects meet their requirements and follow their processes. Unique requirements during construction projects typically include collecting and tracking certified payroll, documenting Requests for Information (RFIs), processing shop drawings, and developing change orders and payment requisitions.

We Understand the Importance of Safety During Construction

The safety of everyone - contractors, inspectors, and the public - is of paramount importance. Every project involves numerous levels of safety awareness. Our experience with this includes making sure that the contractor has sufficient controls in place to protect the project site from the traveling public. This includes physical controls, but also through communication with the local officials and public safety personnel.

Our Expertise is Growing

Much like many of our clients, VTrans is focused on maintenance and preservation projects and accelerating project schedules. With this shift, our construction services staff have shifted as well. One area of our growing expertise is trenchless excavation and tunneling. This technique is becoming more efficient and more commonplace to replace culverts while avoiding impacts to traffic. We have this specialized expertise in our local South Burlington office which will be a great asset to VTrans on projects using this technique. Another specialty area is coating inspection for bridge rehabilitations. Our inspectors are NACE trained and have recent experience with a similar on-call type contract with MassDOT.

We've Done this Before

Overseeing the construction of over 30 projects through the VTrans Municipal Assistance Bureau (MAB) program has given us a vast variety of experience. From the first project administered through this program (**Colchester Bike Path**) to the largest project (**Winooski Downtown Redevelopment**), we have helped municipalities manage their projects with great success. Projects over the years have included sidewalks, mulit-use paths, roadways, bridges, utilities, rail trails, skate parks and even boat docks, access ramps and wave attenuators.

We Know the VTrans Project Development Process

Having worked with municipalities and VTrans for 60+ years, managing transportation projects is this team's specialty. It is one reason why Stantec has been repeatedly selected by our existing clients. With this experience, we understand the project development process and methods to expedite the process.

We Are Committed to Partnering With You

Having worked with VTrans and many Vermont municipalities over the years, we have a strong desire to continue these relationships. We believe the best way to do this is to provide quality, innovative, and responsive service. That is our commitment.

We emphasize the depth of our in-house resources, our specific knowledge of VTrans projects and processes, and our ability to respond both timely and in sufficient detail to sustain progress and maintain the project schedules. We recognize the importance of this contract for the continued safety of our communities across the state. We look forward to continuing to contribute our enthusiasm and skills to improve Vermont's transportation infrastructure. Thank you for your consideration.

Very Truly Yours,

STANTEC CONSULTING SERVICES, INC.

Greg Goyette, PE
Senior Associate
Phone: (802) 497-6403
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John Little, CPESC
Associate
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b. General Firm Information

b. General Firm Information

Introduction to Consultant Firm

We're active members of the communities we serve. That's why at Stantec, we always design with community in mind. The Stantec community unites approximately 22,000 employees working in over 400 locations across six continents. We collaborate across disciplines and industries to bring buildings, energy and resource, environmental, and infrastructure projects to life. Our work—engineering, architecture, interior design, landscape architecture, surveying, environmental sciences, project management, and project economics, from initial project concept and planning through design, construction, and commissioning—begins at the intersection of community, creativity, and client relationships. With a long-term commitment to the people and places we serve, Stantec has the unique ability to connect to projects on a personal level and advance the quality of life in communities across the globe.

Stantec provides construction administration services to public agencies and private developers on projects of all types. Public agencies and private developers use Stantec's construction administration program to manage projects, commencing with the bid process through project closeout. Essentially, our experts become extensions of the project owner by managing and representing owner interests during construction. We augment our project management specialists seamlessly into any agency or developer organization, actually becoming an integral part of the project control team.

Our quality control/assurance group is a leader in providing complete construction administration programs on highways, buildings, water treatment and water reclamation facilities, bridges, and land development projects of all types.

Stantec's services include: constructability reviews; bid processing and contractor selection; cost estimating, cost control, and pay review; schedule review and monitoring; submittal review and processing; complete quality assurance and quality control programs; resident engineer services; claims review and processing; project closeout; and project commissioning.

Company Information

Stantec Consulting Services, Inc.
55 Green Mountain Drive
South Burlington VT 05403
(802) 864-0223 | greg.goyette@stantec.com

Company History

Established: 1954
Former names:
Stantec Consulting Services Inc. (12/31/04 – present)
Dufresne-Henry (joined Stantec in 2006)
Stantec Consulting Group Inc. (4/2/04 – 12/31/04)
The Sear Brown Group Inc. (3/30/88 – 4/2/04)
Charles E. Ward, Inc. (11/15/68 – 3/30/88)
Manhasset Civil Engineers, Inc. (8/27/29 – 11/15/68)

1,500+
communities are enjoying the ride thanks to our devotion to enhancing their transportation networks

Our Local Office

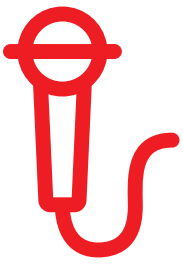
Projects will be staffed primarily from Stantec's local South Burlington office, where we have over 55 staff members. For over 60 years , this office has provided construction resident engineering services to Vermont municipalities andto VTrans for over 35 years. Over these years, Stantec staff have been involved with literally hundreds of construction assignments, including construction resident services on over 30 locally administered projects that were through the MAB group. This experience has provided us with a thorough knowledge of the MAB process and the requirements associated with federal and state funding. With a track record of successful projects, Stantec has been repeatedly selected by numerous municipalities for these services.

Understanding of the Work Required

Through our involvement with over 15 retainer type VTrans contracts that date back to 1992, and specifically with the previous eight VTrans Construction Services Contracts, Stantec team members understand VTrans' goals for these contracts. These goals include providing construction management services related to construction activities, including but not limited to inspection, materials sampling and testing, public outreach, quality assurance services for design-build projects, and specialty services related to construction projects. Past experience has also proven that having knowledge of the local area and established local relationships are a great benefit. Having worked in Vermont for over 60 years, our team has these qualities and resources.

From our experience with the VTrans Construction Services program, we also understand the value of having a team with a wide range of capabilities, experience and resources. With over 22,000 staff company-wide, Stantec has virtually every service needed by our transportation clients covered. For the construction oversight assignments, this includes providing various levels of staff including chief inspectors, office engineers, and inspectors. This also includes providing assistance to the Finals Unit, quality assurance services for design-build contracts, administrative services to the Independent Assurance Unit at the materials certifications and testing facility, and media/public outreach expertise, including website maintenance and support. Requests may come for assistance with 'specialty services' related to construction and/or training activities, for example in the fields of schedule analysis and/or claims analysis, or providing construction quality assurance services for design-build projects, including a Quality Assurance Manager and/or other team members. Our team can also provide trenchless technology support, paint/coating inspection services, water/wastewater oversight, aviation and rail project support, landscape support, and others.

Providing a wide variety of qualified personnel is key to assisting VTrans cover their broad need for inspection services with appropriately trained staff. As shown in our organization chart on page 17, our team has this variety and can cover nearly all aspects of construction oversight services. This includes, but is not limited to public relations firms that are well known throughout the industry and have over 25 years of collective experience in providing clear, accurate and consistent information to the public. We offer highly trained staff, including professional engineers, as well as others certified by the New England Transportation Technician Certification Program (NETTCP), and the American Concrete Institute (ACI). We have inspectors trained to oversee railroad crossings and signal construction, airport construction services, traffic signals, river restoration, and more.



"The whole Stantec staff has done an excellent job on the construction engineering on this complex project.

- Wendy Pelletier, VTrans Hartford STP HTFD(1)

Over the years, Stantec has always received high praise from Resident Engineers for our willingness to step up and consistently perform at the level of expectations outlined on any given project. Our ability to assist VTrans with the process required to successfully produce a quality project includes a thorough understanding and knowledge of the VTrans MAB Local Projects Guidebook for Locally Managed Projects, the VTrans Construction Manual, Standard Specifications for Construction, General Special Provisions, Supplemental Specifications, project Special Provisions, Materials Sampling Manual, the Manual on Uniform Traffic Control Devices (MUTCD), as well as VOSHA's 29 CFR 1926/1910 Safety and Health Standards for Construction. Having this understanding and knowledge allows our team members to perform with confidence and fully compliment the Resident Engineers on their projects. Stantec also ensures that all staff are adequately equipped to perform their duties safely and accurately. This is what we do, and we do it well.

Firm's Capabilities to Perform the Work

Our local team of transportation construction inspection, planning, design, and engineering professionals have decades of first-hand VTrans experience. Our added benefit though is our expanded network of 1,700 transportation-focused professionals, ready to support our local team. The result of this connected team's resources, knowledge, and experience is an unmatched commitment to meet our client's needs.

Our South Burlington office staff will lead these services. When needed, support from other regional office can be readily solicited. These regional offices have over 770 staff members, many with construction inspection, construction management, transportation engineering, traffic management, and environmental specialists who can handle virtually any assignment.

Sub-consultants

Vermont Survey and Engineering

Vermont Survey and Engineering (VSE) is a locally owned, Vermont based land surveying firm with licensed Land Surveyors registered in the states of Vermont, New Hampshire, and New York. They provide a wide range of surveying services to federal, state, and municipal agencies, as well as residential property owners and commercial, industrial and residential developers.

Their surveying services include geodetic control and topographic, hydrographic, boundary, ALTA/ACSM, and construction layout surveys. They have trained and experienced personnel and professional quality equipment to provide Global Positioning System (GPS) data acquisition on geodetic control projects. Their right-of-way services are primarily focused on highway design and related activities for state and municipal agencies, including the preparation of right-of-way plans and associated title abstracting. As a firm specializing in surveying, their staff, as a matter of their daily routine, abstract titles, recover field evidence, interpret the evidence, and produce the final product. Their use of leading edge technology and in-house computer-aided drafting and design (CADD) is centered on both AutoCAD and MicroStation platforms.

VSE's relevant projects include the Colchester STP 5600(20) in Colchester, Vermont; the Railyard Enterprise Project in Burlington, Vermont; Brandon PLH ALPP(1) in Bradon, Vermont; and Berlin CMG Park(45) in Berlin, Vermont.

Company Information
Vermont Survey and Engineering, Inc.
79 River Street
Montpelier, VT 05602
(802) 229-9138 | info@vermontsurvey.com

Company History
Aquatec Survey Corporation (1982-1986)
Vermont Survey Consultants, Inc. (1986 - 1992)
Vermont Survey and Engineering (1992 - present)

Count On It Business Services

Stephanie Barrett, President of Count On It Business Services, Inc., began her career in the construction accounting industry in 1984. Due to her experience and reputation, she was asked to participate in the first VTrans project requiring a "Public Relations Officer". In 1997 she began the Shelburne Road project as a subcontractor to Frank W. Whitcomb Construction Company.

Count On It Business Services, Inc. became a certified DBE in the state of Vermont in 1997. Stephanie continues to subcontract for public relations/outreach projects for various road construction contractors, engineering firms, and VTrans. Count On It Business Services is fully conversant with the requirements associated with being the Public Outreach Coordinator from organizing and participating in public and project meetings to communications with emergency services, media, and the general public. Currently, Stephanie is working with Stantec on numerous VTrans construction assignments.

Count On It Business Services representative VTrans projects include: Rockingham I-91 Bridge Replacement; Essex Junction-Colchester NH 2956(2), STP2956(1), STPG SGNL(45); Winooski Circulator; Housing Removal Project Burlington International Airport; Richmond-Colchester IM Surf (38) (RE-AD); Richmond STP 0284 (17); and Richmond CMG Park (31).

Company Information
Count on it Business Services Inc.
6 Lime Rock Road
South Burlington, VT 05403
(802) 862-6868 | sbarrett@coibsinc.com

Company History
Count On It Business Services Inc. (1989 - present)

FRP Enterprises

FRP Enterprises (FRP) offers public outreach services for VTrans construction projects. Outreach services include providing accurate and timely information to the public "motorists, residential, and businesses" about construction projects that may have an effect on a community. FRP uses proven outreach tools to promote and market projects, such as project specific press releases, informational flyers, project fact sheets, public meetings, weekly work updates and traffic alerts, and social media, including Front Porch Forum. FRP also hosts and maintains a website www.roadworkupdates.com where all information sent out to the public is posted. Each project has an assigned page where information about the project is available.

Strong communication skills coupled with a solid understanding of the construction process has created a sense of trust and transparency between parties associated with projects, including the public. FRP strives to create seamless communication between VTrans, the contractors, key stakeholders and the general public. A high level of customer service is imperative to the success of the public outreach efforts and projects alike. Information flow also includes managing complaints and comments from the public. FRP fields complaints and coordinates with all parties involved to reach a resolution with a main focus on customer service. All complaints are followed through to a closure and documented.

Since 2006, FRP has built and maintained excellent relationships with all levels of VTrans representatives and contractors alike. FRP's project history has ranged from paving projects to bridge replacements with closures to reconstruction projects.

FRP's relevant experience includes: VTrans District 5 – I-89 Bridge Repairs at Exit 11, Williston; Reclaim/Pave – VT 113, Thetford; Bridge Replacement – VT 108 – Temporary Bridge, Stowe; Culvert Replacement with short closure – VT 12A, Roxbury; Reclaim/Pave – VT 12A (2017 Completion), Roxbury - Northfield; Bridge Replacement with Closure – Town Project, New Haven; New left turn lane US 2 – Traffic Warning Signs, Milton-Colchester; US 7 Reconstruction – 3 miles (2018 Completion), Charlotte; Construct new Park & Ride , Bradford; and Rail Crossing Rehab – VT 62, Barre City.

Company Information
FRP Enterprises, LLC
420 Windy Wood Road
Barre, VT 05641
(802) 479-6994 | jfp1999@myfairpoint.net

Company History
FRP Enterprises (2006 - present)

Atlantic Testing Laboratories, Limited

Atlantic Testing Laboratories, Limited (ATL) is a full-service engineering support firm offering construction materials engineering and testing, special inspection services, pavement engineering, nondestructive testing, subsurface investigations, water-based investigations, geotechnical engineering, and asbestos and environmental consulting services from their ten offices.

Their staff consists of approximately 150 field technical staff, with a support staff of 7 Professional Engineers, 16 Intern Engineers, and approximately 35 Engineers and Scientists. They maintain an ample and qualified work force to meet project demands, in addition to their other day-to-day operations. Their recruiting and training programs allow them to expand quickly and for their staff to meet large project requirements or peak workload demands.

The staff of ATL performs services according to industry standards, and constantly strives to meet or exceed client expectations. Staff are trained in the use of standards and procedures that include ASTM, ACI, PCI, AASHTO, AWS, USCOE, NYSDOT, OSHA, USEPA, NYSDEC, NYSDOL, and other specific methods as required by project specifications or technical requirements.

ATL has extensive experience working on large-scale and term contracts for various agencies for over 35 years, both as a prime consultant and sub-consultant. Their involvement with the large scale operations of the Vermont Agency of Transportation, NYS Department of Transportation, NYS Office of General Services, NYS Thruway Authority, New Hampshire Department of Transportation, MassTrans, ConnDOT, State University Construction Fund, Dormitory Authority, University of Connecticut, and various municipal and county agencies have provided experience in the scheduling and execution of services on these types of contracts.

Their relevant projects include: Bennington Circumferential Highway; Montpelier US Route 2/302 Roundabout FEG 028-3(34)S; Burlington International Airport Quality Assurance Testing Services; Tappan Zee Bridge Design/Build Project NYSDOT Contract #D214134; Design/Build Accelerated Bridge Program Zone 1 NYSDOT Contract #D900006; Route 24 Emergency Design/Build Project NYSDOT Contract #D012586; Kendrick Road Bridge Design/Build Project NYSDOT Contract #D900010; and Interstate 87 Project in Various Locations in New York.

Company Information
Atlantic Testing Laboratories
22 Corporate Drive
Clifton Park, NY 13617
(315) 386-4578 | across@atlantictesting.com

Company History
Atlantic Testing Laboratories (1967 - present)

From left to right: Bennington Circumferential Highway, Kendrick Road Bridge, Montpelier US Route 2/302 Roundabout



Knight Consulting Engineers, Inc.

Founded in 1964, Knight Consulting Engineers, Inc. is a multi-disciplined engineering firm offering a wide range of services to the public and private sector, including structural, geotechnical, construction inspection and testing services. They are a small locally owned firm of 7 employees including 3 owners.

Certified engineering technicians provide construction inspection and quality control services, including inspection of structural steel erection, high strength bolt connections, concrete reinforcing, concrete placement and testing, earthwork operations, paving, roofing, and other related aspects of the building industry. Nuclear density gauges are available to provide immediate moisture content and in place density determinations for compaction testing of soils and bituminous concrete. They have fully equipped testing, concrete, and soils laboratories which were approved as a QL3 Testing Facilities for Agency of Transportation projects are available to assist with field control of construction materials and processes.

Their relevant project experience includes: Hancock STP 2923(1); Castleton STP 2033(26); Waterbury IM 089-2 (43); Rutland Southern Vermont Regional Airport Runway 1 Safety Area Improvement; Ludlow/Clarendon 2033 (23 & 25) FCS; Cascade Bridge Project; Box Culvert Replacement on Whitney Lane Eden; Hartford Bridge Street Underpass Bridge Replacement; Milton Sidewalk STP 13 (3); Essex Junction STP Sidewalk (17) & TAP TA 13 (6); Enosburg Falls STP BP 14 (9); Williston STP Sidewalk (15); and Johnson STP EH 10 (2).

Company Information
Knight Consulting Engineers, Inc.
51 Knight Lane
Williston, VT 05495
(802) 879-6343 | nmvincent@kcevt.com

Company History
Knight Consulting Engineers, Inc. (1964-present)

Alpha Testing & Engineering, LLC

Alpha Testing & Engineering (Alpha) offers a full service soils and concrete testing laboratory, providing preconstruction materials qualification as well as QA/QC lab and field testing services during construction. In addition, they have developed an extensive network of consultants with specialized expertise in a variety of disciplines to supplement our in-house capabilities. Their clients include contractors, engineers, architects, municipalities, state agencies and private individuals.

Their services include construction material laboratory testing, all testing and documentation to meet requirements of International Building Code, Chapter 17, Special Inspections, calibration/verification services for a variety of equipment, forensic testing and evaluation, design of temporary shoring systems, seismographic services/vibration monitoring, comprehensive field inspection and testing, concrete mix design, construction material submittal preparation/review, pre-construction/pre-blast survey, pile driving and load test observation and inspection, evaluation of steel erection practices and procedures, structural steel inspection, paint and coating application inspection, concrete slab vapor emissions testing, and fireproofing material application inspection and testing.

Their relevant experience includes Saint Michael's College Residence Hall IV , Colchester, Vermont; Perrigo Waste Water Treatment Plant, Georgia, Vermont; CCTA Cherry Street Station , Burlington, Vermont; UVMMC Inpatient Building Soils & Stormwater Inspections 2015, Burlington, Vermont; and 4 Pearl Street Complex , Essex Junction, Vermont.

Company Information
Alpha Testing & Engineering, LLC
10 Lamoille Street
Essex Junction, Vermont 05452
(802) 893-9814 | bob@alphatestingvt.com

Company History
Alpha Testing & Engineering, LLC (1978-present)

Organization Chart

As shown, we have a large depth of staff designated to perform construction management and construction inspection services, as well as an array of technical staff for supporting other required services. With offices throughout North America, these teams have significant resources to assist them in completing any assignment. Our program sub-consultants are also shown on the organization chart. Familiar to both Stantec and VTrans, we have invited Vermont Survey and Engineering, FRP Enterprises, Count On It Business Services, Atlantic Testing Laboratories, Knight Consulting Engineering, and Alpha Testing & Engineering to work alongside our team under this contract.

If complex project issues arise during project development, these key staff will rely on Stantec's 60 transportation professionals in our South Burlington, Vermont and Bedford, New Hampshire offices to provide the support needed to solve these issues. These staff are proficient in a great number of disciplines that are frequently required on municipal projects such as the Hartford Bridge Street Railroad Bridge Replacement and the Burlington Waterfront Access North projecst.

VTrans

Municipal Assistance Bureau

TASK MANAGEMENT TEAM

John Little, CPESC
Construction Services Manager

Greg Edwards, PE
Principal-in-Charge

Technical Support

CONSTRUCTION INSPECTION

Les Wilder
Paul Beyor
Joseph Burke
Kyle Daniels
Todd Duguay, PE
Deron Barnes
Doug Campbell, PE
Daniel Lane
Richard Baker , NICET - III
Ronald Mocerine, NICET - IV
John Huston , NICET - II
Bernie Gagnon , PE

ARBORIST

Warren Spinner

Sub-consultants

CONSTRUCTION SURVEY

Vermont Survey Engineers

Stephen Fraser, LS
Andrew McQueeny
Jason Riley, LS
Lawrence Bliss
Matthew Yefchak

MATERIALS SAMPLING/TESTING

Atlantic Testing Laboratories

Arthur Cross II, CET
William Miner, CET
Christian Fout

Knight Consulting Engineering

Martin Hain, PE
Eric Goddard, PE
Barbara Evans, PE

Alpha Testing & Engineering

Bob Lovgren, PE
Patricia Reed, PE

PUBLIC RELATIONS/ WEBSITE SUPPORT

FRP Enterprises

Francine Perkins

Count On It Business Services

Stephanie Barrett

Availability Chart

Our track record shows that we balance project commitments to support VTrans and municipal clients, and we are staffed and available to continue to do so under this contract.

The nature of a general consulting contract is variable in assignment types and unpredictable in scheduling consistency. To remain available for this contract, our proposed team members will be able to delegate tasks in the following ways, dependent upon the urgency and complexity of the assignment given by VTrans:

- Delegate tasks for other projects to Stantec personnel not associated with this contract, freeing up our proposed team members to pick-up complex assignments at quick notice; or
- Delegate common tasks such as documentation support, and certain site visits to supporting staff designers, engineers, and scientists

The following chart details availability of key staff members to devote to municipal projects over the next six months and an estimate of how much time each staff member has historically worked on municipal projects. It's important to note that, no matter the firm, staff availability can change quickly over the life of the prequalification due to new assignments, staff turnover, promotions, and other factors. Stantec's unique depth, breadth, and quality of design professionals in Vermont uniquely positions us to absorb these changes without sacrificing the quality of design services that our clients have come to expect from us.

"...hiring Stantec was the best decision the City ever made for the Downtown Construction.

- Steve Palmer (Formerly City of Winooski)

6 - Month Outlook

Team Member	Project Role	% Availability Over the Next 6 Months	% Time Typically Spent on Municipal Projects
John Little, CPESC	Construction Services Manager	50%	50%
Greg Edwards, PE	Principal-in-Charge	50%	50%
Les Wilder	Construction Inspection	50%	20%
Paul Beyor	Construction Inspection	50%	20%
Joseph Burke	Construction Inspection	50%	50%
Kyle Daniels	Construction Inspection	50%	50%
Todd Duguay, PE	Construction Inspection	50%	50%
Deron Barnes	Construction Inspection	50%	50%
Doug Campbell, PE	Construction Inspection	50%	50%
Daniel Lane	Construction Inspection	50%	50%
Richard Baker, NICET-III	Construction Inspection	50%	50%
Ronald Mocerine, NICET-IV	Construction Inspection	50%	50%
John Huston, NICET-II	Construction Inspection	50%	50%
Bernie Gagnon, PE	Construction Inspection	50%	50%
Warren Spinner	Arborist	50%	50%

6 - Month Outlook - Continued

Team Member	Project Role	% Availability Over the Next 6 Months	% Time Typically Spent on Municipal Projects
Francine Perkins	PR/Website Support	100%	20%
Stephanie Barrett	PR/Website Support	90%	20%
Stephen Fraser, LS	Construction Survey	80%	50%
Andrew McQueeny	Construction Survey	80%	50%
Jason Riley, LS	Construction Survey	80%	50%
Matthew Yefchak	Construction Survey	80%	50%
Lawrence Bliss	Construction Survey	80%	50%
Arthur Cross II, CET	Materials Sampling/Testing	10%	50%
William Miner, CET	Materials Sampling/Testing	20%	50%
Christian Fout	Materials Sampling/Testing	20%	50%
Martin Hain, PE	Materials Sampling/Testing	50%	50%
Eric Goddard, PE	Materials Sampling/Testing	50%	50%
Barbara Evans, PE	Materials Sampling/Testing	50%	50%
Bob Lovgren, PE	Materials Sampling/Testing	50%	50%
Patricia Reed, PE	Materials Sampling/Testing	50%	50%

c. Construction Inspection Services

C.
Construction Inspection Services

Qualifications and Experience

Construction Inspection

Since 1954, Stantec has provided a full range of construction engineering and inspection services to state and municipal clients. For nearly 35 years, the South Burlington office has provided these services to VTrans. Team members' experience ranges from major interstate construction in the 1960s and 1970s; to major urban reconstruction projects from 1970s to date; to the interstate rehabilitation and bridge reconstruction of the 1990s to date. Our Albany office, with over 60 staff members, has provided construction services for NYSDOT and NYS Thruway projects for over 20 years. Over these years, Stantec has been involved with the following on-call type construction services contracts:

- VTrans Term Agreement for Construction Inspection (2001 - present / 9 contracts)
- NYSDOT Area Backdrop Contracts (ABC) for Construction Inspection (2006 - present)
- NYS Thruway Construction Services Term Agreement (2001 - present)

In addition to our work on VTrans projects, since 2006, we have been assigned four NYSDOT Area Backdrop Contracts (ABC) for construction inspection. On these projects, we have provided a wide range of construction inspection services including but not limited to: bridge replacements and rehabilitations with substructure and superstructure repairs; bridge widening; repair and replacement of bridge decks, overlays, joints, bearings, railing, fencing, overhead lighting, signs, and scuppers; and bridge painting and cleaning.

Highway reconstruction projects have included earthwork; drainage; stormwater 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; installation of appurtenances such as guide railing, median barrier, and fencing; and landscaping. Our assignments have varied in duration and the number of inspectors was adjusted to meet the project need. The projects we worked on also included traffic management strategies such as construction phasing, lane closure restrictions, detours, night and weekend work, critical path method schedule provisions, and involvement with local communities and other New York and New England agencies.

Richmond Bridge Painting, Richmond, Vermont

Bridge Painting

Stantec has more than 25 years of experience providing bridge coatings inspection. We can leverage this experience to better serve VTrans. Currently, we provide similar services on five statewide on-call agreements: Massachusetts Department of Transportation (MassDOT), South Carolina Department of Transportation (SCDOT), North Carolina Department of Transportation (NCDOT), West Virginia Department of Transportation – Division of Highways (WVDOT-DOH), and Maryland State Highway Administration (MSHA). We also provide similar services on individual projects for Florida Department of Transportation (FDOT), Virginia Department of Transportation (VDOT), Pennsylvania Department of Transportation (PennDOT), Connecticut Department of Transportation (ConnDOT), Maryland Transportation Authority (MDTA), and other transportation agencies throughout the eastern US.

We have a reputation for our expertise in providing on-call, lead-based paint abatement and paint inspection services on bridges. Our inspectors are among the most qualified and experienced in their fields and are trained by the NACE and other nationally recognized organizations, as well as SSPC.

Our full-service coatings/corrosion engineering group, along with our environmental scientists, can offer VTrans broad-based expertise for bridge painting projects involving lead-based paint removal. Transportation agencies throughout the eastern US call on our unique services and reputation as an industry leader for some of the most difficult lead removal and bridge painting projects. Currently, we are providing these services as part of the $255 million Longfellow Bridge rehabilitation project, located in downtown Boston, Massachusetts. With the environmental sensitivity of this project spanning the Charles River and close proximity of local businesses, including restaurants, we are providing critical surveillance and testing during the removal of lead-based paint from the structure. Our environmental and bridge coatings experts are making sure Massachusetts EEA, DEP, and federal EPA regulations are being complied with for this high-profile project.

Tunneling and Trenchless Solutions

Aging buried culverts that allow flow of surface water form part of today's roadway infrastructure could potentially create significant problems if the culvert lining were to fail. Once a degraded section of a culvert cracks or opens, the soil backfill above the culvert may flow into the structure that could ultimately result in roadway settlement causing a safety concern for the traveling public. Furthermore, increased stream flow associated with climate change and resultant flow from major storm events are an additional concern where culverts are degraded or inadequately sized to carry the volume of flow. The need to rehabilitate or replace deteriorated or undersized culverts is exacerbated for major roadways that cannot be closed or where the depth of the culvert is not practical for open cut replacement. The Stantec team can assist VTrans in constructing these creative solutions to mitigate hazards through assistance with the development of trenchless design documents and with construction management of replacement culverts.

Tunneling and trenchless solutions allow infrastructure to be constructed while maintaining stream flow as well as traffic. Stantec's Tunneling and Trenchless Practice is experienced in developing and constructing innovative technical solutions to minimize disruption to the public for rehabilitation of the existing infrastructure or installation of a new utility. A wide variety of trenchless technology solutions are available including microtunneling, horizontal directional drilling (HDD), pipe jacking or sequential excavation methods to name a few. The team can assess the ground conditions to determine a cost effective, optimal trenchless solution to either rehabilitate the existing culvert or construct a new culvert. The Stantec team is also experienced in construction management of the full range of available trenchless technologies and working together with VTrans we will make sure the project is built in accordance with the design documents and with adequate construction documentation to support design validation.

Experience Matrix

Project	Burlington Waterfront Access North - Coal Tunnel and Stormwater Outfall	Burlington College Street - Waterfront Access (Phase I & II)	Burlington Waterfront Improvements	Burlington North Street Revitalization	Winooski Downtown Redevelopment	Burlington Church Street Marketplace Electrical and Street Lighting Improvements	Burlington Church Street Marketplace Alleyway	Burlington Pearl Street Improvements	Burlington Cherry Street Intersection Improvements	Burlington Battery Street Transportation Path	Burlington Transportation Path	Burlington Leddy Park Softball Field Reconstruction	Burlington Calahan Park Athletic Field Reconstruction	Burlington North Shore Slope Repair	Alga Norte Community Skatepark	Encinitas Community Plaza and Skatepark	Corning Skate/Bike Park	Colchester Transportation Path	Newport Shared Use Path	Barre Town Bike Path	Williamstown Transportation Path	Hartford Bridge Street Underpass	Winooski West Canal Street Reconstruction	Rutland Creek Path	Combined Sewer Overflow Elimination / Street Reconstruction	Northfield Water Main Improvements Project, West Phase	Washington County Railroad Bridge 501	Waterbury Stowe Street Bridge Rehabilitation	Ferrisburgh Vermont Railways / Little Chicago Road Crossing	St. Johnsbury ARTB(9) Portland Street Bridge Improvements	Leicester WCRS(11)	Rockingham - GMRC over Parker Hill Road	Woodstock Roberts Road Bridge Rehabilitation	Rutland ARTB(8) Bridge Rehabilitation	Newbury ARTB(7) Bridge Rehabilitation	Richmond Bridge Street Bridge Rehabilitation	Huntington East Street Bridge Replacement
Oversight / Regulation / Permit																																				
Local Transportation Facilities Requirements & Process		X	X	X	X	X	X	X	X	X	X			X				X	X	X	X	X		X												
Skatepark Construction Oversight															X	X	X																				
Streetscape Construction		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X		X	X			X	X	X	X	X
Utility Installation/Relocation	X	X	X	X	X	X	X	X	X	X	X				X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X	X	X	X
Landscape Construction		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			X
Retaining Wall Construction		X		X	X						X				X	X	X	X	X	X	X	X		X				X	X							
Construction General Permit (CGP) including Tracking Co-Permittees, Reporting to ANR, etc.	X	X	X	X	X	X	X	X	X	X	X	X	X	X				X	X	X	X	X	X	X			X	X	X		X			X	X	X
Right-of-Way Clearance	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X		X	X	X
Utility Clearance	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X
Contaminated Soils Permitting, Tracking and Documentation	X		X		X																X				X	X				X					
Turbidity Monitoring					X																		X									X	X		
Dig-Safe	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Army Corps of Engineers Permit	X	X	X											X						X			X			X	X				X	X	X	X	X	X
Material Certification Requirements	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Materials Testing Requirements	X	X	X	X	X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Civil Rights Document Tracking and Recording	X	X	X	X	X	X	X	X	X	X	X			X				X	X	X	X	X	X	X			X	X	X	X	X	X	X	X	X	X
Railroad Agreements		X									X								X			X					X	X	X	X	X	X				
American Recovery & Reinvestment Act (ARRA) Tracking and Reporting																														X				X	X	
Blasting Permit Requirements and Protocol					X																											X				
Water Supply and Wastewater Disposal Certifications					X																	X		X	X											

Project Examples

College Street, Waterfront Access (Phase I & II)

Burlington, Vermont

Our team provided resident and construction administration services for this Waterfront Revitalization Program. Phase I included three steel sheeting walls, replacement of the Burlington Boathouse decking, and related items for an urban street revitalization and transit improvements project. Phase II included reconstruction along College and Lake Streets, installation of a new access to the Pease Parking Lot, bus drop-off, concrete sidewalks, crosswalks, lighting, stormwater enhancements, overhead utility burial, parking installations, landscaping, streetscape amenities, and related items for an urban street revitalization and transit improvements project. This project also included a complex permeable concrete drainage system within the reconstructed Pease Parking lot.

Contact

Norm Baldwin
City of Burlington
P: (802) 863-9094
E: nbaldwin@burlingtonvt.gov

Winooski Downtown Development Improvements

Winooski, Vermont

Our team provided resident construction inspection, testing, environmental monitoring and project management services for this $15 million downtown development project in Winooski, Vermont. Project elements included 9,100 linear feet (1.7 miles) of new and reconstructed roadways, over 8,900 linear feet of storm and roof drainage systems, 2,200 linear feet of new sewer mains and laterals, 4,200 linear feet of water mains and laterals, three signal systems, traffic control plan for 23,000 vehicles/day, undergrounding of the existing utilities with over 32,000 linear feet of conduit, a comprehensive stormwater management system, extensive landscaping, parks and ornamental lighting.

Contact

Steve Palmer, (Formerly City of Winooski)
NG Advantage LLC
P: (802) 860-4095
E: slpalmer@ngadvantage.com

Church Street Marketplace Electrical and Street Lighting Improvements Project

Burlington, Vermont

Our team provided resident and construction administration services for this $2 million project which is still in construction. Work includes complete replacement of the street's electrical infrastructure including new lighting and electrical feeds for street venders, and a street tree irrigation system. Also included is a substantial amount of paver brickwork and a new type of duct bank that incorporates HDPE piping to enclose conduit instead of traditional concrete duct bank.

Contact

David Allerton
City of Burlington
P: (802) 865-5830
E: dallerton@burlingtonvt.gov

Burlington Waterfront Construction

Burlington, Vermont

Our team provided construction observation services for this $900,000 project which consisted of the construction of a 1,500 lf multi-use path connecting pedestrians and bicyclists at the City's largest public park. This project also consisted of work near the waterfront including deck replacement, sidewalks, and a retaining wall.

Contact

Norm Baldwin
City of Burlington
P: (802) 863-9094
E: nbaldwin@burlingtonvt.gov

Church Street Marketplace Alleyway, Church Street Marketplace

Burlington, Vermont

Resident project representative for improvements to a pedestrian walkway which connects the Church Street Marketplace to the Marketplace Parking Garage. Improvements included new underground utility improvements, two new entrance cairns with concrete foundations, a tinted concrete walkway, and above-grade amenities which included landscaping, concrete structures with masonry/stone facades, a steel gate with steel pipe arch, and lighting fixtures.

Contact

Norm Baldwin
City of Burlington
P: (802) 863-9094
E: nbaldwin@burlingtonvt.gov

Battery Street Transportation Path

Burlington, Vermont

We provided construction inspection services for the construction of a $390,000 pedestrian / bike path along Battery Street from College Street to Pearl Street. The project consisted of a new 10-foot wide concrete walkway, new lighting, and underdraining.

Contact

Norm Baldwin
City of Burlington
P: (802) 863-9094
E: nbaldwin@burlingtonvt.gov

Winooski Downtown Development Improvements, Winooski, Vermont

Burlington Waterfront Access North, Burlington, Vermont

Waterfront Access North Phase II

Burlington, Vermont

Stantec provided project management and construction inspection services for this $5.1 Million project which was one of the City of Burlington's highest profile projects. The project included extending Lake Street north along the west side of the Genesee & Wyoming Railroad, the construction of two gravel wetland stormwater treatment facilities, a world-class skate park and covered pavilion, realignment of the Burlington Bikeway multi-use path, new street lighting, tracking multiple levels of contaminated soil, underground utilities, landscaping and other incidental items. Responsibilities included overseeing staffing and resources, tracking the payment of items through 23 different funding sources, attending biweekly project team meetings, invoicing and coordination between the city, state, FHWA, the design team and Stantec.

Contact

David Allerton
City of Burlington
P: (802) 865-5830
E: dallerton@burlingtonvt.gov

Burlington Transportation Path

South Burlington, Vermont

Our team provided construction observation services for this 3.5 km, $2.1 million transportation path. This project included a pedestrian bridge over the Central Vermont Rail Road, over 600 meters of multi-tier Gabion wall, a boardwalk over one of the multiple wetland areas, and construction over a previously closed landfill.

"Dan's work continues to be exemplary and we continue to have success with these projects (in many cases, still in the design phase) because of his hard work." ~ Carol Weston (formerly City of Burlington)

Contact

Norm Baldwin
City of Burlington
P: (802) 863-9094
E: nbaldwin@burlingtonvt.gov

Bridge Street Railroad Bridge over Bridge Street (TH#2)

Hartford, Vermont

Stantec provided construction oversight services associated with the replacement of Bridge Street Railroad Bridge that carries New England Central Railroad over Bridge Street (TH #2). The project involved multiple facets of construction including traffic control, utility work, removal and disposal of contaminated soil, new drainage and drainage modifications, roadway and sidewalk construction, but the major challenge was the short work period for replacement of the railroad bridge. The new bridge was founded on a micro-pile foundation that was drilled from the top of the rail bed. Piles were later cutoff below grade and a pile cap was placed. The contractor was allowed a maximum of 48 hour track closure to remove the existing superstructure and replace it with a new precast beam bridge.

Contact

Richard Menge, PE
VTrans
P: (802) 295-3622
E: rmenge@hartford-vt.org

Burlington Leddy Park Softball Field Reconstruction

Burlington, Vermont

We provided resident construction phase services for this $163,000 project for reconstruction of the existing softball field located at Leddy Park including stripping and stock piling the existing athletic field topsoil; importation of approximately 3,500 cubic yards of washed screened sand; spreading, compacting, and re-grading the stockpiled topsoil to new finish grade contours; installation of new subsurface 6" PVC perforated underdrain piping; performing layout for the new softball field geometrics including fencing, bases, pitching mound, and coaching boxes; installation of new 4' and 6' high chain link fencing, access gates, and 16' high backstop; installation of new temporary and permanent erosion prevention and sediment control measures; site restoration including placement of topsoil, infield mix and conditioner, and establishment of growth to athletic field standards.

Contact

John Adams-Kollitz
Burlington Parks, Recreation & Waterfront
P: (802) 540-0363
E: jadamskollitz@burlingtonvt.gov

Burlington Calahan Park Athletic Field Reconstruction

Burlington, Vermont

Our team provided resident construction phase services for this $115,000 project for reconstruction of an existing soccer field located at Calahan Park including stripping, stock piling and testing the existing athletic field topsoil; amendment of the existing topsoil with imported organic matter, replacement of approximately 385 lf of existing 15" brick sanitary sewer with new 18" PVC sanitary sewer pipe and two precast concrete sanitary sewer manholes due to unknown field conditions; spreading and re-grading the amended topsoil to new finish grade contours; installation of a new irrigation system; temporary and permanent erosion prevention and sediment control measures; site restoration including placement of topsoil and establishment of growth to athletic field standards.

Contact

John Adams-Kollitz
Burlington Parks, Recreation & Waterfront
P: (802) 540-0363
E: jadamskollitz@burlingtonvt.gov

Newport Transportation Path

Newport, Vermont

Our team provided construction inspection services and materials testing for construction of this shared use transportation path winding through the City of Newport. Construction of this project included replacing an abutment, span, decking and railing on an existing timber railroad bridge over the inlet to South Bay; constructing a precast concrete retaining wall, T-wall, adjacent to Waterfront Plaza; and bituminous pavement along the length of the path.

Contact

Tom Bernier
City of Newport
P: (802) 334-2124
E: thomas.bernier@newportvermont.org

Barre Town Bike Path

Barre, Vermont

Our team provided resident engineer/inspector services on the STP Bike (38)S project which involved construction of a new transportation path from the Barre Town Elementary School on Websterville Road and extending 1.4 miles to Main Street in Graniteville. The project involved 700 cubic yards of Gabion retaining wall, two bridges involving reused bridge materials, two pre-cast concrete culverts, and extensive stone slope construction.

Contact

Carl Rogers
Town of Barre
P: (802) 479-9331
E: crogers@barretown.org

Williamstown STP WALK (18)

Williamstown, Vermont

We provided construction inspection services for the VT Route 14 sidewalk and pedestrian bridge construction in Williamstown, Vermont. Construction of this project included 1,600 lf of Bituminous Concrete Pavement sidewalk, two pedestrian bridges, and lighting.

"John and Erik were an excellent project manager-resident inspection team. They were superb in all areas. We felt they really looked out for the town's best interest." ~ Garret Earls

Contact

Garret Earls
Town of Williamstown
P: (802) 433-6671
E: twnmgr@williamstownvt.org

Water Main Improvements Project, West Phase

Northfield, Vermont

Our team provided engineering services including surveying, preparation of permits and specifications, funding, estimating, bidding and designing of approximately 4,850 linear feet of 12" to 6" D.I. water distribution main, river crossing by open cut method, river crossing by jack and bore method, water services, interconnections, and appurtenances along Wall Street, Pleasant Street, Union Street, and Cross Street. Project also includes 2,000 linear feet of curb and sidewalk restoration as well as street restoration.

Contact

Patrick Demasi
Town of Northfield
P: (802) 485-7355
E: pdemasi@trans-video.net

WACR Bridge 501 Emergency Repairs, Hartford, Vermont

VTrans WACR Bridge 501 Tropical Storm Irene Emergency Repairs

Hartford, Vermont

Stantec provided design, permitting and construction administration for the emergency work in response to this disaster. WACR Bridge 501 in White River Junction, suffered severe damage due to Tropical Storm Irene. The southern pier of this 375 foot long, three span structure was undermined during the storm and the pier settled nearly six feet and listed upstream nearly five feet. The middle span of the structure nearly slipped off the pier and into the river. Construction administration included extended periods of 24/7 construction staffing and around the clock on call design services for coordination with work in the field, as well as continuous coordination with the contractor to complete this construction manager/design build effort.

Contact

Mladen Gagulic
VTrans
P: (802) 828-6405
E: mladen.gagulic@vermont.gov

VTrans VT 116 Bridge Replacement and Roadway Realignment

Bristol, Vermont

Stantec was responsible for overseeing daily construction activities, verifying contractor's quantities, materials testing, field revision coordination and record keeping. This $5.5 million bridge VTrans project included the replacement of two small bridges with one 360 foot long structure on Vermont Route 116 in an environmentally sensitive flood plain in the town of Bristol. Other elements of the project included the realignment of VT 116, the profile of the new road being raised upwards of 12 feet, drainage swales, a box culvert, and a temporary bridge and detour. This project included over 600,000 pounds of structural steel, 250,000 pounds of reinforcing steel, 1600 cubic yards of concrete and 20,000 cubic yards of borrow and roadway materials. Erosion prevention and sediment control was a critical concern.

Contact

Dale Norton
Formerly VTrans
P: (802) 828-2593
E: dale.norton@vermont.gov

VTrans VT 15 Pedestrian Bridge Replacement

Jericho, Vermont

Stantec provided construction administration services for the construction of a new pedestrian bridge, approach walkways, and adjacent retaining wall cold planning and paving of VT 15 and Red Mill Drive. The ledge on the west side of the Foot Bridge was riffled with seams, installed 21 rock anchors and 4 rock dowels to keep the ledge face from falling into the gorge. Stantec provided resident and construction administration services for this $1,020,875, 71' 4" foot long pedestrian bridge project. Project elements included the installation of rock anchors and dowels into existing ledge to secure the foundations for the structure, new concrete foundations and new steel beam bridge with stainless reinforced concrete deck.

Contact

Greg Wilcox
VTrans
P: (802) 828-2593
E: greg.wilcox@vermont.gov

Bridge Street Bridge over Winooski River Rehabilitation, Richmond, Vermont

VTrans Bridge Street Bridge over Winooski River Rehabilitation

Richmond, Vermont

Stantec provided resident and construction administration services for rehabilitation of this historic 229-foot single span steel parker through truss. Stantec also provided bridge inspection services, conducted a scoping study and provided preliminary and final design leading up to the construction of the bridge. Final design was put on a fast track when Stantec's 2008 inspection recommended closure of the crossing. VTrans teamed with Stantec to provide preliminary and final design for the rehabilitation in a 14 week accelerated schedule where preliminary plans and permitting review were conducted concurrent with final design. This particular project is a demonstrative example of Stantec's experience, past performance, innovation and commitment to quality.

Contact

Chris Williams
VTrans
P: (802) 595-0753
E: chris.williams@vermont.gov

Burlington International Airport - Runway 15-33 Reconstruction, Contract 1 and Contract 2

South Burlington, Vermont

Stantec was responsible for the complete resident construction phase services for this $21 million project including full reconstruction of 1,300 lf of the R/W 15 end and 1,300 lf of the R/W 33 end of the airport's primary runway with new 150' wide by 15" depth portland cement concrete rigid pavement supported by new aggregate base materials and 6" bituminous concrete pavement subbase; new runway and taxiway edge lights and cast-in-place concrete threshold bars including electrical conduit and wiring, new stormwater collection and treatment systems; milling and recycling 3" depth of existing bituminous concrete pavement along 4,900 lf by 150' wide of the center portion of Runway 15-33 and overlay with 5" of new bituminous concrete pavement; permanent erosion prevention and sediment control measures; and site restoration including placement of topsoil and establishment of growth.

Contact

Amanda Clayton, PE
Burlington International Airport
P: (802) 863-2874 ext. 204
E: aclayton@btv.aero

60+
number of years working with Vermont municipalities

Roberts Road over Gulfstream Brook Bridge #49 Replacement

Woodstock, Vermont

Stantec provided resident and construction administration services to the town of Woodstock for the replacement of this crossing that was critically damaged by Tropical Storm Irene. Stantec also provided preliminary and final design for this 62 lf single lane wide precast concrete bridge structure using accelerated bridge construction.

Contact

Phil Swanson
Town of Woodstock
P: (802) 457-3456
E: phil@townofwoodstock.org

VTrans TH 1 and TH 47 Bridge Replacements

Fairfield, Vermont

Stantec provided construction services for this $1,100,000 culvert replacement project. Resident Project Representative services included overseeing daily construction activities, providing construction related surveys, verifying contractors' quantities, record keeping, quality control, and testing. Project elements included the removal of two existing bridges, installation of precast footings, abutments and deck slabs, stream work and erosion control measures.

Contact

Scott Wheatley
VTrans
P: (802) 828-2593
E: scott.wheatley@vermont.gov

VTrans VT 17 and 125 Overlay, Ferry Access Removal and Boat Launch Project

Addison, Vermont

Stantec provided construction services for this $900,000 cold plane and overlay of 0.2 miles of Vermont Routes 17 and 125 and the removal and reconstruction of a boat launch, dredging of Lake Champlain at the launch, as well as constructing new parking and architectural amenities. This was an environmental, historic, and archaeologically sensitive site that required close adherence to permit conditions, and monitoring during construction. Resident project representative services included overseeing daily construction activities, verifying contractor's quantities, field revision coordination, and record keeping. Erosion prevention and sediment control associated with the lake shore environment was a critical concern.

Contact

Dale Norton
Formerly VTrans
P: (802) 828-2593
E: dale.norton@vermont.gov

Key Personnel

Stantec offers the diversity of a large North American firm which is locally rooted to better serve our New England transportation clients with offices throughout New England and the Tri-State area. Our team offers truly local delivery with global expertise.

The Stantec team is prepared to dedicate the project team illustrated in the organization chart on page 17 for this contract. The Stantec team has the expertise to execute all aspects of this construction contract and has worked together in that capacity on numerous transportation projects throughout New England, including numerous past MAB assignments with many different Municipalities over the past 15 years, as well as under previous VTrans Construction Inspection contracts over the past 35 years. This ability offers our clients a firm that has demonstrated consistent, reliable construction services offered before, during and after the construction phase if needed. It also allows us to respond in a more timely manner to any needs during construction administration.

John Little, CPESC - Construction Services Manager. John is based in our South Burlington office, and will be the primary contact for services under this program. As a leader in our Transportation Division's Construction Management group, John will have overall responsibility for Stantec services including allocation of staff and resources, client satisfaction, and quality control. In addition, John will assist with construction inspection and construction management projects and lead the construction staff. He has over 36 years of engineering and construction management experience, all with Stantec. His recent experience includes Program Manager for all construction services, and Resident Engineer of the WACR Bridge over Bridge Street in Hartford, VT. John is a certified Professional in Erosion and Sediment Control.

Greg Edwards, PE - Principal-in-Charge. Greg is based in our South Burlington office, and will be responsible for contractual matters and assist John with staffing, resources, and quality control. He has over 25 years of engineering experience, with a focus on highway and traffic engineering. Over these years, he has been involved with hundreds of transportation projects with over 50 in Vermont alone. His experience includes the planning, scoping, permitting, design, and construction of a wide range of transportation projects from the Bennington Bypass new construction to the reconstruction of Church and St Paul Street in Burlington. Through this experience, he is very familiar with the VTrans project development process and specification and methods to expedite the process while meeting VTrans procedures, standards and specifications.

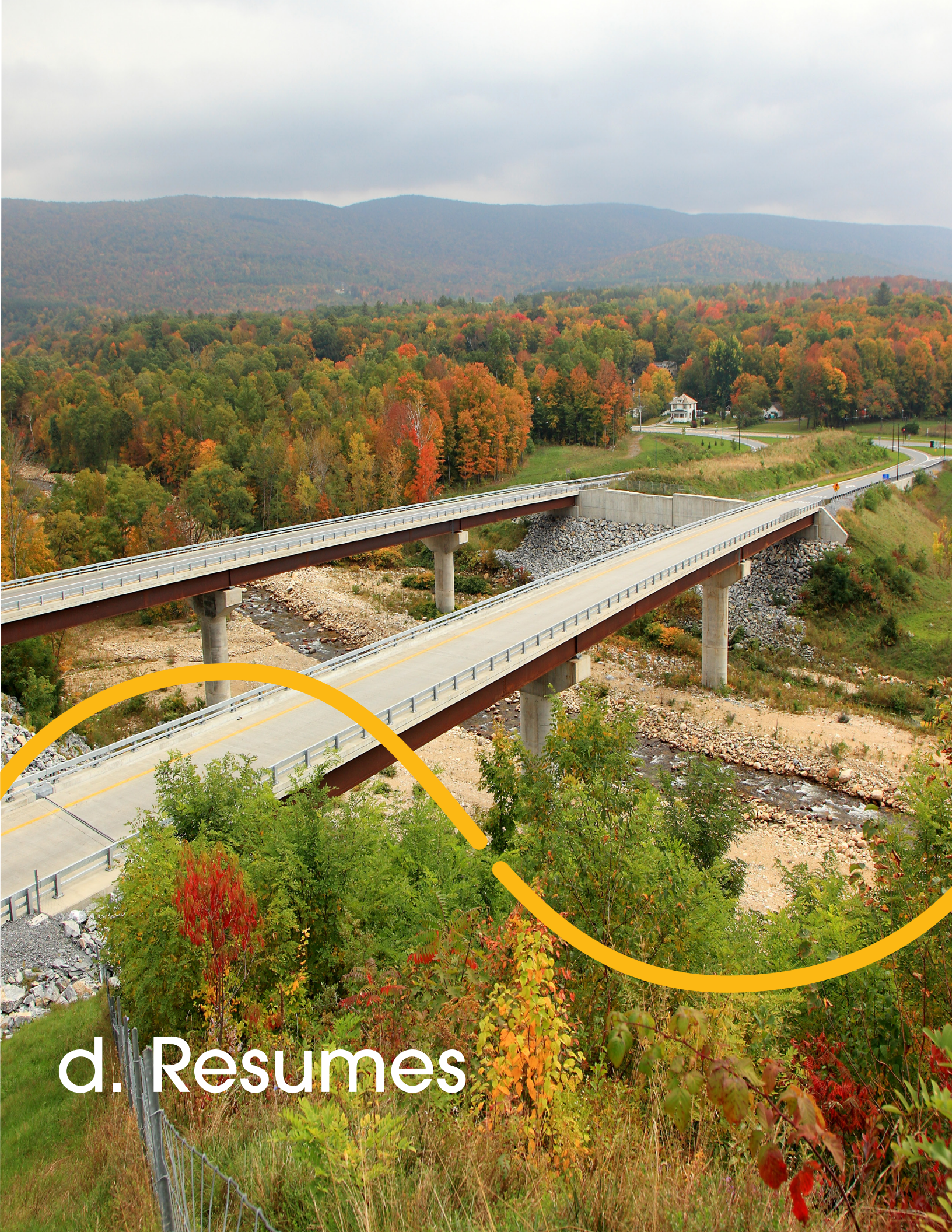
Other Key Stantec Staff Includes

Joseph Burke, EI - Construction Inspector. Joseph is based in our South Burlington office. He has over 6 years of experience, all with Stantec. Joseph's specialties include roadway and rail crossing construction, project survey and layout, and traffic control. His recent experience includes the Burlington Waterfront Access North, Phase II project, Essex Junction resurfacing projects and the Brandon US Route 7 Roadway Reconstruction Project. Joseph holds the following certifications: ACI Certified Concrete Field Testing Technician; NETTCP Certified HMA Paving Inspector; State Registered Engineering Intern; Safety/ VOSHA/Hazard Trained; Fall Protection and First Aid Training.

Kyle Daniels - Construction Inspector. Kyle is based in our South Burlington office. He has over 7 years of experience, 2 years with Stantec. Kyle's specialties include railroad and highway bridge inspection, pavement inspection, and trail construction. His experience includes the Winooski Circulator Reconstruction, the Lamoille Valley Rail Trail from Morrisville to Cambridge, VT and the Bennington Bypass in Bennington, VT. Kyle holds the following certifications: Concrete Testing Certified, American Concrete Institute; Level I Certification, Professional Association of Driving Instructors; NITROX Certification, National Association of Underwater Instructors; Nuclear Density Testing Qualified.

Leslie Wilder (AOT Technician V) - Construction Inspector. Les is based in our South Burlington office. He has over 37 years of experience, 4 with Stantec. Les' specialties include roadway construction, traffic signals, and urban traffic control. His recent experience includes the Berlin Signal and Adjoining Surface Reports, and the Burlington-South Burlington US Route 2 Resurfacing project. Les holds the following certifications: NETTCP Certified HMA Paving Inspector; Fall Protection and First Aid Training.

In addition to these dedicated full time construction inspector staff, Stantec has numerous staff to assist with specialty items, particularly if needed on a short-term or specific assignment basis. You can find resumes for all of our key staff in the following section**, Section d. Resumes.**



d. Resumes

John Little, CPESC

CONSTRUCTION SERVICES CONTRACT MANAGER

Years with Stantec: 36

REGISTRATIONS

Licensed Class B Designer (formerly known as a Certified Site Technician) #222, State of Vermont

Certified Professional in Erosion and Sediment Control #2642, CPESC, Inc.

EDUCATION

A.S., Vermont Technical College, Randolph, Vermont, 1980

John has over 36 years of transportation design, construction services, and survey experience. As a Project Manager he is responsible for overseeing the preliminary and final designs as well as preparation of final contract plans including design layout, intersection design, horizontal and vertical alignment computations, drainage design and layout, quantity computation estimating and maintaining a smooth operation between design and CADD personnel. He also has specific construction service experience and manages resident construction staff.

SELECT PROJECT EXPERIENCE

Waterfront Access North Phase II, Burlington, Vermont

Project Manager for this $5.1 M project which consisted of providing construction services for one of the City of Burlington's highest profile projects. The project included extending Lake Street north along the west side of the Genesee & Wyoming Railroad, the construction of two Gravel Wetland Stormwater Treatment Facilities, a concrete Skate Park and covered Pavilion, Realignment of the Burlington Bikeway Multi-use Path, new Street Lighting, tracking multiple levels of Contaminated Soil, Underground Utilities, Landscaping and other incidental items. Responsibilities included overseeing staffing and resources, tracking the payment of items through 23 different funding sources, attending biweekly project team meetings, invoicing and coordination between the city, state, FHWA, the design team and Stantec.

Winooski Downtown Development Infrastructure Improvements, Winooski, Vermont

Served as the resident engineer/project manager for this $14.2 million urban redevelopment project. Project elements included 1.7 miles of new and reconstructed roadways, 16,500 linear feet of concrete and brick sidewalks, pre-cast concrete block retaining walls, 16,500 linear feet of granite curb, over 13,000 linear feet of storm and roof drainage systems, 3,200 linear feet of new sewer mains and laterals, 4,200 linear feet of water mains and laterals, three signal systems, traffic control plan for 23,000 vehicles per day, undergrounding of the existing utilities with over 15 miles of conduit, a comprehensive stormwater management system, extensive landscaping, parks and ornamental lighting. Services provided included facilitating the pre-construction meeting and weekly team meetings, providing construction related survey, verifying contractors quantities, developing payment requisitions with multiple funding sources, coordination with the City, design engineer, VTrans, FHWA, building contractors & developers and numerous team members. Also responsible for reviewing the contractor's Safety and Health Plan, maintaining all necessary project records, inspecting the erosion control/dewatering excavations, coordinating shop drawings, maintaining certified payroll records, developing weekly team meeting minutes and maintaining a set of "as-built" drawings. Provided erosion prevention and sediment control & turbidity monitoring services, reporting directly to the onsite plan coordinator.

Bridge Street Railroad Bridge over Bridge Street (TH#2), Hartford, Vermont

John was the resident engineer for construction services associated with the replacement of Bridge Street Railroad Bridge that carries New England Central Railroad over Bridge Street (TH #2). The project involved multiple facets of construction including traffic control, utility work, removal and disposal of contaminated soil, new drainage and drainage modifications, roadway and sidewalk construction, but the major challenge was the short work period for replacement of the railroad bridge. The new bridge was founded on a micro-pile foundation that was drilled from the top of the rail bed. Piles were later cutoff below grade and a pile cap was placed. The contractor was allowed a maximum of 48 hour track closure to remove the existing superstructure and replace it with a new precast beam bridge.

Greg Edwards, PE

PRINCIPAL-IN-CHARGE

Years with Stantec: 28

REGISTRATIONS

Envision™ Sustainability Professional (ENV SP), Institute for Sustainable Infrastructure

Professional Engineer #5842, State of Vermont

Professional Engineer #7247, State of Maine

EDUCATION

B.S., Civil Engineering, University of Vermont, Burlington, Vermont, 1979

MEMBERSHIPS

Past Board Member and Past President, American Council of Engineering Companies (Vermont)

Past President & Board Member, Society of Engineers, State of Vermont

AWARDS

2007 ACEC Merit Award, Sharon-Strafford VT 132 Reconstruction

2004 ACEC/Maine Honor Award for Engineering Excellence, US 201 Reconstruction; Moscow-Caratunk, ME

2002 FHWA Excellence in Highway Design, Main Street Reconstruction; Burlington, VT

Greg has over 26 years of engineering experience including the planning, design, permitting, quality control, construction and rehabilitation of transportation facilities. Greg is an effective manager and excellent facilitator, promoting the expediency of successful projects. He has managed multi-disciplined teams for projects up to $60 million construction cost.

Over the course of his career, Greg has managed hundreds of transportation planning, design and construction projects ranging from resurfacing, roadway, bridge, and roundabout designs to traffic studies and alternatives analyses. He and his staff have also designed a number of unique projects including a series of "park-and-ride" facilities, several recreation paths, a river restoration, and town and city Main Street reconstructions. As the leader of the firm's New England Transportation and Traffic Division, Greg's clients include large organizations such as the state transportation departments of Vermont, Maine, New Hampshire, New York and the Burlington International Airport. He has also worked for a variety of municipalities, including the cities of Burlington and Rutland, Vermont and Portland, Maine.

SELECT PROJECT EXPERIENCE

Church Street and St. Paul Street Improvements, Burlington, Vermont
Project manager for the final design of improvements to Church Street and St. Paul Streets in Burlington, VT. Improvements for this project focused on pedestrians and economic vitality through efficient lighting, textured walkways, public art, benches, wider sidewalks at corners, roadway improvements, accessibility modification and improvements, trees and plants, gateway features and drainage improvements, signage and other pedestrian amenities to those areas bordering Church Street.

VT Route 7A/11/30 Roundabout, Manchester, Vermont
Principal-in-Charge for the final design, permitting, and contract plans for a proposed modern roundabout at the intersection of VT Route 7A/11/ 30 and a mini-roundabout at the adjacent intersection of VT Route 7A/30 in the village/commercial downtown area of Manchester Center, Vermont.

US 2 / I-89 Exit 14 Improvements Design, South Burlington, Vermont
Project manager for the final design for the construction of a third eastbound lane of US Route 2, an urban arterial with over 40,000 vehicles per day, from the Sheraton Staples intersection to the I-89 southbound on-ramp. Project elements include utility relocations, stormwater treatment, interconnected and coordinated signal system, traffic control for highway widening, decorative street lighting, and landscaping. Stantec services will also provide NEPA documentation, contract plans, construction cost estimates and permitting meeting VTrans LTF procedures. Considerations included "Complete streets" approach with pedestrian, bicycle, and transit facilities.

CCMPO – Route 15 Signalization Optimization, Winooski, Colchester, Essex, and Essex Junction, VT
Principal-in-Charge for the development of a computer model using Synchro and SimTraffic of a 16 intersection with 10 traffic signals in a 3.5-mile corridor. Project required traffic and geometric data collection and field calibration in order to produce an accurate representation of existing conditions. Coordination and optimization as well as geometric improvements were analyzed and summarized in a detailed report.

Les Wilder

CONSTRUCTION INSPECTION

Years with Stantec: 4

REGISTRATIONS

Certified Hot Mix Asphalt Paving Inspector #1346, New England Transportation Technician Certification Program

Les has over 39 years of experience, 34 years of that with Vermont Agency of Transportation, with an emphasis on the design and inspection of resurfacing and traffic Signing and marking projects. His experience includes the design and development of these projects as a member of the Pavement Management Section and Traffic and Safety Division, which included the coordination with many sections of VTrans, municipalities and various consultant firms to bring these projects to the Contract Submittal phase. Les's responsibilities have included inspection, daily reporting, shop drawing processing and review, change orders, payment requests, project closeouts, claims resolutions and coordination between the Resident Engineer, contractor and designer. While working for Stantec, he has put his experience to work as an inspector on numerous state projects.

SELECT PROJECT EXPERIENCE

Morristown STP F 029-1(2), Morristown, Vermont
Construction of a new portion of VT Route 100 to route traffic around Morrisville. Project includes grading, drainage, pavement, landscaping, signal work, construction of a roundabout and other highway related items, and construction of a new bridge over the Lamoille River. Total length of project is 2.985 km. Total cost of project $12,577,000. Responsible for overseeing all drainage work, and new utilities work. Key input into sign changes and installation and oversaw paving, and pavement marking application.

Burlington-South Burlington IM SURF(30); Swanton-Highgate IM SURF(28), Burlington-South Burlington and Swanton-Highgate, Vermont
Resident project representative responsible for overseeing daily construction activities, verifying contractor's quantities, field revision coordination, and record keeping for this $2.4 million project that included surface preparation that included patching, pot hole repair, crack-sealing as necessary; overlaying with a thin bituminous surface treatment on the existing typical and pavement markings and signal work. This project included paving 284,000 sy of (Paver Placed Surface Treatment, Type "C"). The work area included both the eastbound and westbound lanes of I-189 from Burlington to So. Burlington and the northbound lane of I-89 from Swanton to Highgate.

Burlington-South Burlington US Route 2 Resurfacing, Burlington-South Burlington, Vermont
Resident project representative responsible for overseeing daily construction activities, verifying contractor's quantities, field revision coordination, and record keeping for this $3.7 million project that cold planed and overlayed 3.1 miles of Class I Town Highway in the cities of Burlington and South Burlington. This project included urban traffic control for a road that sees as many as 40,000 vehicles per day, new signs, pavement markings, signal upgrades, guardrail and ADA accessible sidewalk ramps.

Berlin STP 2935(1), Berlin, Vermont
Inspector responsible for overseeing daily construction activities, verifying contractor's quantities, field revision coordination, and record keeping for resurfacing of Berlin State Highway (Airport Rd.). Project included cold planing, 8"of reclaiming, 8" of reclaiming again with cement stabilized base, 3" of cold mix with cement, and finally 2 lifts of bituminous concrete pavement. The leg from the signal project to U.S. Route 302 was a 2" cold plane and 2" of bituminous concrete pavement overlay typical.

Paul Beyor

CONSTRUCTION INSPECTION

Years with Stantec: 1

EDUCATION

A.S., Highway Engineering, Vermont Technical College, Randolph, Vermont, 1975

Paul has over 44 years of transportation experience, 43 years of that with Vermont Agency of Transportation with an emphasis on roadway design and construction. Paul's responsibilities have included inspection, daily reporting, shop drawing processing and review, change orders, payment requests, project closeouts, claims resolutions and coordination between the resident engineer, contractor, and designer.

Paul brings his experience with state government and has numerous contacts within the state which helps bridge the gap of communication that is needed to successfully fill the requirements needed as a Construction Inspector.

SELECT PROJECT EXPERIENCE

VTrans Essex Junction STP 2956(1), Essex Junction NH 2956(2), Colchester-Essex STPG SGNL (45), Colchester - Essex Junction, Vermont
Office Engineer for this $4.4 million resurfacing project. Project elements included cold planing, paving, structure & manhole rehabilitation, new sidewalk ramps, sign work and traffic control for one of the highest traffic volume intersections in VT. Duties included review and quality control of inspector daily reports, quantity calculations, payroll verifications, and other documentation necessary for the Project Resident Engineer.

VTrans Middlebury-Ferrisburgh NH SURF(55), Middlebury-Ferrisburgh, Vermont
Perform quality control/office engineer functions for this 13-mile roadway resurfacing project. Duties included review and quality control of inspector daily reports, quantity calculations, payroll verifications, and other documentation necessary for the Project Resident Engineer.

VTrans Statewide HES MARK (404), Various Locations, Vermont
Perform quality control/office engineer functions for this statewide line striping project. Duties included review and quality control of inspector daily reports, quantity calculations, payroll verifications, and other documentation necessary for the Project Resident Engineer.

VTrans Statewide IMG MARK (115), Various Locations, Vermont
Perform quality control/office engineer functions for this statewide line striping project. Duties included review and quality control of inspector daily reports, quantity calculations, payroll verifications, and other documentation necessary for the Project Resident Engineer.

VTrans Statewide SW Region STPG SIGN(51), Various Locations, Vermont
Perform quality control/office engineer functions for this traffic sign project. Duties included review and quality control of inspector daily reports, quantity calculations, payroll verifications, and other documentation necessary for the Project Resident Engineer.

VTrans Ferrisburgh NHG SGNL(42), Ferrisburgh, Vermont
Perform quality control/office engineer functions for this traffic signal project. Duties included review and quality control of inspector daily reports, quantity calculations, payroll verifications, and other documentation necessary for the Project Resident Engineer.

Joseph Burke

CONSTRUCTION INSPECTION

Years with Stantec: 6

REGISTRATIONS

Engineer-In-Training #5568, State of Vermont

Certified Hot Mix Asphalt Paving Inspector #2836, New England Transportation Technician Certification Program

Certified Concrete Field Testing Technician, Grade I #01233381, American Concrete Institute

EDUCATION

B.S., Interdisciplinary Engineering and Management, Clarkson University, Potsdam, New York, 2010

Since joining Stantec in 2010, Joseph has provided design and construction inspection on a variety of transportation projects. Projects on which he has been involved include highway reconstruction, railroad crossing reconstruction, railroad signals, bridges, highway paving, water line/sewer construction, and shared use path construction. His responsibilities have included resident inspection, daily reporting, shop drawing processing and review, change orders, payment requests, project closeouts, and coordination between owner, contractor and designer.

SELECT PROJECT EXPERIENCE

Essex Junction STP 2956(1), Essex Junction NH 2956(2), Colchester-Essex STPG SGNL (45)(RE-AD), Colchester and Essex Junction, Vermont
Chief inspector for this $4.4 million resurfacing project. Project elements included cold planing, paving, structure & manhole rehabilitation, new sidewalk ramps, sign work and traffic control for one of the highest traffic volume intersections in VT. Duties included oversight of inspection staff along with overall project oversight and inspection.

Waterfront Access North (Phase II), Burlington, Vermont
Construction inspector for this $5.1 million Waterfront North revitalization project. Project elements include roadway elements, skate park, bike path, stormwater (including gravel wetlands and stormwater treatment tanks), electrical, water, sewer, contaminated soils management, and coordination for maintaining public access through the site with safety measures in place to separate them from construction activities.

Waterfront Access North (Phase I) - Coal Tunnel Demolition and Outfall, Burlington, Vermont
Construction inspector for this first phase of Burlington's Waterfront North revitalization program. The project included demolition of an existing coal tunnel and installation of storm outfalls to Lake Champlain on the first phase of this project including contaminated soil management.

Warren-Waitsfield STP 2506(1), Warren-Waitsfield, Vermont
Lead construction inspector for this $8.7 million reclaim project. Project elements included two reclaims (existing materials, cement), shaping super elevated curves prior to cement reclaim process, ditching and drainage. Assisted in the training and oversight of two interns and one first year inspector during this project.

Addison-New Haven STP 9632(1), Addison-New Haven, Vermont
Construction inspector for this $5.8 million reclaim project. Project elements included two reclaims (existing materials, cement), shaping super elevated curves prior to cement reclaim process, ditching and drainage.

Statewide NMG MARK (20S), Various Locations, Vermont
Construction inspection for this $630,000 pavement marking project over 268 miles of roadway in Vermont.

Brandon NH 019-3(495), Brandon, Vermont
Construction inspector for this full-depth $9.6 million roadway reconstruction. Project elements included full depth roadway reconstruction, new drainage system including a storm water treatment system, redi-rock retaining wall with geogrid (along a pond adjacent to roadway), ledge blasting and removal, guardrail, signing and pavement marking.

Kyle Daniels

CONSTRUCTION INSPECTION

Years with Stantec: 2

REGISTRATIONS

HMA Paving Inspector, NETTCP, Lewiston, Maine, 2015

Concrete Inspector, NETTCP, Bangor, Maine, 2015

Concrete Testing Certified, American Concrete Institute, Bangor, Maine, 2010

Nuclear Density Testing Qualified, Vermont Technical College, Randolph, Vermont, 2010

EDUCATION

B.S., Sustainable Design and Technology, Vermont Technical College, Randolph, Vermont, 2013

A.S., Civil and Environmental Engineering Technology, Vermont Technical College, Randolph Center, Vermont, 2009

Kyle has 7 years of experience with inspection and resident engineering. He specializes in railroad and highway bridge inspection, pavement inspection and trail construction. With his construction experience, he plays an important role in the constructibility review of projects. Prior to joining Stantec, Kyle worked for the state of Vermont Agency of Transportation in the Rail Division. His responsibilities have included resident engineer on large and small scale projects such as emergency projects, emergency inspection and response, annual regulated bridge inspections, daily reporting, change orders, project close-outs, claim resolution, coordination between owner, contractor and designer. Kyle has worked on over 10 construction inspection assignments for VTrans railroad, bridge, roadway and paving projects. He has several certifications including ACI Concrete Testing and Nuclear Density Testing.

SELECT PROJECT EXPERIENCE

Lamoille Valley Rail Trail, Morrisville- Cambridge, Vermont
Resident project representative responsible for overseeing daily construction activities, verifying contractor's quantities, field revision coordination, and record keeping. This $1.5 million rail to trail conversion project includes the construction of 17 miles of path from Morrisville to Cambridge along the abandoned Lamoille Valley Railroad line. This project also includes rehabilitation of all structures, including bridge superstructure and substructure, cattlepass and culvert rehabilitation or construction, and drainage improvements. This project was complex in nature due to the permitting, sensitive nature of adjacent landowners, and the coordination of town and volunteer donated work. Heavy emphasis was placed on communication between contractor, owner and design engineer to ensure design changes were resolved and implemented in an efficient manner.

NY Route 22 Reconstruction, Plattsburgh, New York
Resident project representative responsible for oversight for Micro-milling of pavement, HMA pavement placement, concrete curb and sidewalk installation, line striping and building erection.

Interstate 89 Paving and Bridge Rehabilitation*, Waterbury-Montpelier, Vermont
Provided oversight for reclaim, grading, asphalt installation, milling bridge and road surface, line striping, grinding, concrete deck patching, membrane installation, joint rehabilitation, and bridge railing rehabilitation.

Bennington Bypass*, Bennington, Vermont
Construction consultant providing oversight for new roadway construction. Services included sewer, water main, drainage pipe and structure installation, bridge installation (abutments and steel to deck pouring and railing installation), asphalt paving, armored slopes installation, finished slopes and general excavation, solid rock blasting, and traffic control.

2011 Spring Flooding Investigation and Remediation*, Various Locations, Vermont
Staff engineer responsible for visiting storm damaged sites with Railroad and FEMA representatives. Services included recording and accessing damage of railroad and assistance in developing emergency and permanent solutions. Provided FEMA with administrative and technical services to assist the Railroad with the FEMA processes.

Tropical Storm Irene Rehabilitation*, Various Locations, Vermont
Staff engineer responsible for visiting storm damaged sites with Railroad and FEMA representatives. Services included recording and accessing damage of railroad and assistance in developing emergency and permanent solutions.

** denotes projects completed with other firms*

Todd Duguay, PE

CONSTRUCTION INSPECTION

Years with Stantec: 10

REGISTRATIONS

Professional Engineer #59592, State of Vermont

EDUCATION

B.S., Civil Engineering, University of Hartford, West Hartford, Connecticut, 2003

Since beginning his career in 2003, Todd has designed roadways and interchanges, stormwater management and drainage systems. He has also worked as a construction inspector on both highway and aviation projects. As a Project Engineer, he is responsible for the preparation of preliminary, final and contract design plans and documents for various transportation projects. This work includes field reviews, design layout, drainage design, quantity computations, estimating and specifications. Todd has extensive experience and formal training with CADD software including MicroStation, InRoads, and Civil 3D.

SELECT PROJECT EXPERIENCE

Colchester Campus Connector Road, Colchester, Vermont
Project engineer responsible for cross sectional design, quantity computation, estimate, and plan review for a local roadway construction project serving as the connector road between student housing and Saint Michael's College in Colchester, Vermont. Completed Contract Plans and Construction Documents, bid review and analysis and construction services.

Washington County Railroad (WACR), Bridge 501 Emergency Repairs, Hartford, Vermont
Assisted the project manager, resident engineer and field staff with resolving design issues during construction. Stantec designed the emergency stabilization, shoring and replacement of the southern pier of this 375 foot long, 3 span thru girder railroad trestle that was severely undermined as a result of tropical storm Irene. The shoring was designed to retrofit the existing girders to act as a hinged cantilever allowing rail traffic to span over the existing damaged pier. Final design included replacing the existing pier with a drilled shaft structure, with the shafts located outboard of the existing bridge and tied together with a precast concrete pier cap.

Waterbury Farr Road, Waterbury, Vermont
Project engineer responsible for the design of a fiberglass bridge drainage system, extending the existing bridge drainage away from the new roadway construction. This included shop drawing review of the contractor's submittals.

Starksboro - Hinesburg STP 2930, Starksboro-Hinesburg, Vermont
Construction inspector working under a VTrans Resident Engineer responsible for completing daily reports, quantity computations and field construction revisions for the 12-mile paving project.

Butler Farms Stormwater Pond, South Burlington, Vermont
Resident project representative responsible for daily construction observation during the 2 month construction project. Responsible for completing daily reports, quantity computations, shop drawing review, writing and reviewing work change directives and change orders, project redesign during construction, in the field construction revisions, pay requisition review, permit compliance oversight, and photo documentation.

EPA Demonstration Grant: Oak Creek Subdivision, South Burlington, Vermont
Resident project representative responsible for daily construction observation during the 3 month construction project. Responsible for completing daily reports, quantity computations, shop drawing review, writing and reviewing work change directives and change orders, project redesign during construction, in the field construction revisions, pay requisition review, permit compliance oversight, and photo documentation.

Deron Barnes

CONSTRUCTION INSPECTION

Years with Stantec: 23

EDUCATION

A.S., Vermont Technical College, Randolph Center, Vermont, 1990

Deron has 23 years of experience as a technician with emphasis on highway design, computer-aided drafting, assisting in the surveying, design and construction inspection of highways, utilities and site work. His duties include geometric and drainage design, signing and pavement marking designs, use of computer aided drafting software including AutoCAD and MicroStation for the development of plans, and use of computer software for the takeoff of quantity and development of construction estimates. Construction assignments duties include inspection of the installation of storm drainage, water systems, sewer systems and new construction and reconstruction of roadways. His responsibilities have included resident inspection, daily reporting, shop drawing processing and review, change orders, payment requests, project closeouts, claims resolutions and coordination between owner, contractor and designer.

SELECT PROJECT EXPERIENCE

South Hero Island Line Trail Improvements, South Hero, Vermont
Construction Inspector for this $989,000 rail trail improvement project. This project included the widening of this shared use path, construction of emergency vehicle turnaround accommodations, and the replacement of existing ferry docks with new docks, gangways and wave attenuators. Responsibilities included daily observation of construction activities, documentation of labor and equipment, verification of quantities, photo documentation of all activities, and attending project team meetings.

Winooski Downtown Development Infrastructure Improvements, Winooski, Vermont
Inspector for this $14.2 million urban redevelopment project. Project elements included 9,100 linear feet (1.7 miles) of new and reconstructed roadways, 16,500 linear feet of concrete and brick sidewalks, 16,500 linear feet of granite curb, over 13,000 linear feet of storm and roof drainage systems, 3,200 linear feet of new sewer mains and laterals, 4,200 linear feet of water mains and laterals, three signal systems, traffic control plan for 23,000 vehicles per day, undergrounding of the existing utilities with over 15 miles of conduit, a comprehensive stormwater management system, extensive landscaping, parks and ornamental lighting.

VTrans U.S. Route 7 Bypass, Bennington, Vermont
Design technician responsible for CAD and quantity work on this $43 million construction of new U.S. Route 7 circumventing Bennington. This 3.85 mile long, two-lane limited access highway included two interchanges (a systems interchange and Vermont's first single point diamond interchange), eight new structures, considerations for future four-lane construction, utility relocations, and one mile of urban street reconstruction. Services include conceptual, preliminary, and final design for highway, structure, stormwater treatment, traffic signals, right-of-way, utilities and lighting.

Various VTrans 3R/STP Paving Projects, Various Locations, Vermont
Design technician on the fast track design of over 20 VTrans 3R/STP highway projects totaling over 90 miles. Projects consisted of upgrading facilities to current FHWA and VTrans Standards; designing signs and pavement markings meeting the MUTCD; designing for ADA compliance; upgrading signal installations; resolving high accident locations.

VTrans - Town Highway #99 over the Saxtons River, Rockingham, Vermont
Design technician for this project entailing the design of a new 110-foot steel girder, single-span bridge to span the Saxtons River. The bridge was located on new alignment to improve the safety and efficiency of the intersection with VT Route 121. Services included alternate alignment studies, permitting, final design, quantities, and estimate.

Doug Campbell, PE

CONSTRUCTION INSPECTION

Years with Stantec: 27

REGISTRATIONS

Professional Engineer #7421, State of Vermont

EDUCATION

B.S., Civil Engineering, University of Vermont, Burlington, Vermont, 1994

MEMBERSHIPS

HAZWOPER 40 Hour Certification, Occupational Safety & Health Administration

Confined Space Entry Certification, Occupational Safety & Health Administration

Douglas has over 27 years of design experience in construction phase engineering services, general civil engineering including civil/site design, process design, drainage systems and stormwater design, stormwater systems management, roadway design, and design of water distribution and sewer collection systems, and computer modeling of watershed and river characteristics.

SELECT PROJECT EXPERIENCE

Burlington Leddy Park Softball Field Reconstruction, Burlington, Vermont
Project engineer responsible for resident construction phase services for this $163,000 project for reconstruction of the existing softball field located at Leddy Park including stripping and stock piling the existing athletic field topsoil; importation of approximately 3,500 cubic yards of washed screened sand; spreading, compacting, and re-grading the stockpiled topsoil to new finish grade contours; installation of new subsurface 6" PVC perforated underdrain piping; performing layout for the new softball field geometrics including fencing, bases, pitching mound, and coaching boxes; installation of new 4' and 6' high chain link fencing, access gates, and 16' high backstop; installation of new temporary and permanent erosion prevention and sediment control measures; site restoration including placement of topsoil, infield mix and conditioner, and establishment of growth to athletic field standards.

Burlington Calahan Park Athletic Field Reconstruction, Burlington, Vermont
Project engineer responsible for resident construction phase services for this $115,000 project for reconstruction of an existing soccer field located at Calahan Park including stripping, stock piling and testing the existing athletic field topsoil; amendment of the existing topsoil with imported organic matter, replacement of approximately 385 LF of existing 15" brick sanitary sewer with new 18" PVC sanitary sewer pipe and two precast concrete sanitary sewer manholes due to unknown field conditions; spreading and re-grading the amended topsoil to new finish grade contours; installation of a new irrigation system; temporary and permanent erosion prevention and sediment control measures; site restoration including placement of topsoil and establishment of growth to athletic field standards.

Winooski Downtown Development Infrastructure Improvements, Winooski, Vermont
Served as the lead inspector for this $14.2 million urban redevelopment project. Project elements included 9,100 linear feet (1.7 miles) of new and reconstructed roadways, 16,500 linear feet of concrete and brick sidewalks, 16,500 linear feet of granite curb, over 13,000 linear feet of storm and roof drainage systems, 3,200 linear feet of new sewer mains and laterals, 4,200 linear feet of water mains and laterals, three signal systems, traffic control plan for 23,000 vehicles per day, undergrounding of the existing utilities with over 15 miles of conduit, a comprehensive stormwater management system, extensive landscaping, parks and ornamental lighting.

Colchester Campus Connector, Colchester, Vermont
Project engineer responsible for final design and preparation of special provisions for replacement of existing 8" PVC\AC\VC sewer main with approximately 900 L.F. of new 8" sanitary sewer main including twenty (20), new 4" and 6" building service laterals while maintaining sewage flows in the existing main. Project elements included approximately 3,200 L.F of full depth roadway reconstruction along Johnson Avenue and Winchester Road in the town of Colchester for connection of the Saint Michael's College main and north campuses including new stormwater drainage systems and treatment practices.

Daniel Lane

CONSTRUCTION INSPECTION

Years with Stantec: 36

EDUCATION

A.S., Civil Engineering, University of Maine, Orono, Maine, 1975

Daniel has more than 40 years of experience providing resident inspection and construction services on water, wastewater, solid waste, and roadway improvement projects. He has been involved in all types of utility construction projects ranging from pipeline construction to treatment facilities. His method of working with contractors is well suited to obtaining the high quality results demanded by our clients and getting project completed on time.

SELECT PROJECT EXPERIENCE

BFR 3000 (16-19) Bridge Replacement, Rutland, Vermont
Resident Inspector responsible for monitoring replacement of water and sewer mains at approaches and across a 275 foot span, pump station modifications, and earthwork activities associated with the bridge replacement.

Brewster Street Drainage Improvements, Portsmouth, New Hampshire
Resident Project Representative responsible for construction administration and monitoring construction for installation of 48 inch sleeve jacked under six rail road tracks, sewer/storm water separation and tidal zone remediation.

Bridge, Culvert, Drainage, and Roadway Improvements, Various Western Massachusetts Communities
Resident Inspector and Field Engineer responsible for assisting with preparation of design plans and specifications for a variety of bridge, culvert, drainage, and roadway improvements in western Massachusetts. Additional responsibilities included monitoring construction activities, completing reports as required, problem resolution, coordinating daily soils and concrete testing, and monitoring the activities of the general contractor and several subcontractors.

Sidewalk Improvements, Athol, Massachusetts
Project Engineer responsible for assisting with preparation of design plans and construction services for downtown sidewalk improvements.

Roadway Reconstruction, Hampton, New Hampshire
Resident inspector and Field Engineer responsible for assisting with the preparation of plans and specifications for the town's reconstruction of Lafayette Road. Additional responsibilities included monitoring construction activities, completing reports as required, problem resolution, coordinating daily soils and concrete testing, and monitoring the activities of the general contractor and several subcontractors.

Water System Improvements, Wilmington, Vermont
Resident Project Representative responsible for construction administration and monitoring of a new water pump station and 3000 linear feet of water main.

Water and Sewer Improvements, South Main, Union and School Streets, Wolfeboro, New Hampshire
Resident Project Representative responsible for construction monitoring services for installation of twenty-eight, 1" water services; seven, 6" and 8" water main replacements using trenchless horizontal direct boring; installation of 1,150 LF of 8" water main; eighteen water services; temporary water mains and service installations of 1,000 LF of 8" sewer; road restoration and 4,000 LF of sidewalk paving.

Richard Baker, NICET-III

CONSTRUCTION INSPECTION

Years with Stantec: 6

Richard is a Stantec employee with over 12 years of project scheduling experience. Richard has worked for Stantec for 5 years, and regularly uses Primavera P6 software to review contractor's construction schedules. He provided these services for the $92,000,000 Parksville Bypass, and worked closely with the Main Office to guide the contractor in the creation of a schedule that correctly captured all highway and bridge work elements, used the proper calendars and production rates and fully considered all aspects of constructability. Certifications: NYS EIT, OSHA, ACI, NETTCP Soils and Aggregate, Nuclear Density Gauge, WZTC, GP-01-10-001 Erosion and Sediment Control. Site Manager and Primavera P6 trained.

REGISTRATIONS

EIT Certified, New York –2003

OSHA 10 Hour Certification

ACI Concrete Field Testing Technician – Grade I –2017

NETTCP: Soils and Aggregate Inspector Certification – 2018

GP-0-08-001 Erosion & Sediment Control Issued: 2013

Competent Flagger – Issued: 12/10/2013

Work Zone Traffic Control Competent Person-Supervisor – Issued: 12/10/2013

EDUCATION

B.S., Civil Engineering, Clarkson University, Potsdam, New York, May 2003

SELECT PROJECT EXPERIENCE

I-210 Cove Lane Interchange Improvements, Baton Rouge, Louisiana
Project Scheduler responsible for creating Pre-Construction/ Pre-Bid Baseline schedule for Louisiana Department of Transportation. Created Accelerated schedule with anticipated completion 1 year from project start for this $40 million project. Listed assumptions for completion of project in one year. Created multiple schedule utilizing different crews and time restrictions (i.e., crew working 7 days a week at 12 hours, etc.).

New York State Department of Transportation, Albany, New York
Transportation Construction Inspector responsible for preparing earthwork samples for limits, pH, and moisture content tests. Quality assurance testing for subbase, select backfill, MSEs backfill, and topsoil. Calibrated field testing equipment for DOT region inspectors and performed Proctor/modified Proctor compaction tests.

Parksville Bypass (D260985), Sullivan County, New York
Project Scheduler responsible for reviewing contract tor submitted CPM Baseline for compliance with NYSDOT specifications for this $92 million complex project. Richard provided much assistance and input to the contractor as they strove to produce a reasonable CPM schedule for this project. His knowledge of Primavera, calendars and the required sequencing for the work were integral to the contractor developing a reliable schedule. He reviewed contractor CPM monthly schedule updates for compliance with NYSDOT specifications, and created multiple "what-if" scenarios for the Stantec's EIC. Richard also served as the full-time Office Engineer while performing the CPM work.

Maintenance By Contract - Bridges (D025330), Region 8, New York
Office Engineer for Maintenance By Contract Construction project to replace/repair of structural components on 20 bridges in Dutchess, Orange, Ulster, and Westchester Counties. Construction work includes bearing replacement, structural steel repair, armor joint removal/replacement, deck wearing surface repair/replacement, structural concrete repair with class D concrete, structural lifting for bearing replacement, structural steel painting and bridge rail replacement. His duties include generating monthly estimates using Site Manager, monthly EBO report, and checking/entering Daily Work Reports.

JOC Projects for NYSDOT, Various Locations throughout Region 9 NYSDOT, New York *
W.M. Schultz Construction was responsible for completing various culvert repairs throughout the region. These repairs were given to the Engineer in Charge by the head of each counties maintenance division. Projects consisted of repairing wing walls on box culverts or large sized culverts (60 inches or greater), installing new concrete liners in culverts, installing new culvert pipes (concrete, plastic, or galvanized), and removing of existing pipes. Jobs were priced per location using set determined prices.

** denotes projects completed with other firms*

Ronald Mocerine, NICET-IV

CONSTRUCTION INSPECTION

Years with Stantec: 9

REGISTRATIONS

Transportation Highway Construction – NICET IV/1991

ATSSA Traffic Control Supervisor, Reg. Flagger – 2001

Scaffolding – 2000

NACE1 - 1997

EDUCATION

A.S., Civil Engineering, 1965

Ronald is a Stantec employee with over 42 years of construction inspection experience, which has included working on a variety of large Bridge and Highway projects. He has recent experience as Chief Inspector, Office Engineer or Resident Engineer on several of the high profile projects noted below. Ronald is fully versed in the procedures that must be followed and the documentation that must be provided to satisfy the federal-aid requirements.

SELECT PROJECT EXPERIENCE

Harsh Winter Paving, Bethlehem and West Sand Lake, New York
Senior Inspector for Harsh Winter Paving work along Route 143 in the town of Bethlehem and Route 43 in the town of West Sand Lake. Items of work included mill and fill and paving operations, work zone traffic control, ADA compliant sidewalks/ramps and resetting drainage structure grates.

Mount Lebanon Shaker Village Great Stone Barn Stabilization, New Lebanon, New York
Resident Engineer for the $1.2 million phased masonry stabilization of the Great Stone Barn, based on existing conditions and in compliance with the Secretary of Interior's Standards for Treatment of Historic Properties. The scope of construction work for this LAFAP includes non-destructive evaluation of existing conditions, shoring & bracing, grout infill, masonry repairs, and protective measures to prevent further deterioration. The Great Stone Barn at Mount Lebanon is the largest known stone bard in America, at 196' long, 49' wide, and five stories at its western end reaching 55' in height. Designed by the Shakers in 1858 and completed in 1859, the barn was almost completely gutted by fire in 1972. Only the four perimeter masonry walls, portions of two interior concrete silos, and an interior stone partition remain standing. The Barn is a contributing building in the National Historic Landmark District, and was a significant factor in the designation of the site on the 2004 World Monuments Fund Watch List of 100 Endangered Sites in the World – one of only six sites in the USA.

Youmans Road – Crossing of CSX Railroad, Town of New Scotland, New York
Responsible for the construction of a new roadway extension to eliminate the unsafe rail crossing. In addition to ensuring the project is built in conformance with the contract documents, he provided the required back-up necessary for the federal-aid reimbursement process.

Reconstruction of 19th Street (NY Route 2) from the Watervliet City Line to NYS Route 32 (D0311971; PIN 1756.59), City of Watervliet, New York
Chief Inspector responsible for $5,800,000 re-construction project involving all aspects of re-construction. Included in the inspection scope of work is water line, sewer line, drainage, sub-base, street lighting, signals, sidewalk, curb, asphalt and signs. Office Engineer duties including pay estimates and job records.

Mount Greylock Historic Parkway Rehabilitation, North Adams, Massachusetts
Office Engineer for this $13M project to reconstruct 13-miles of historic parkway that leads to the summit of Mount Greylock, the tallest peak in Massachusetts. The road was originally built by the CCC and the current project includes the rehabilitation of scenic overlooks and vista, restoration of timber guard rail, preservation of stone box culverts in addition to roadway reconstruction, new retaining walls and drainage improvements; Massachusetts Department of Conservation and Recreation.

John Huston, NICET-II

CONSTRUCTION INSPECTION

Years with Stantec: 2

John is a Stantec employee with over 3 years of construction inspection experience, which has included working on a variety of bridge and highway projects across eastern New York. John is fully versed in the documentation that must be provided to complete his Daily Work Reports.

REGISTRATIONS

NICET II – Highway Construction (ID: 136736)

ACI Concrete Field Testing Technician - Grade I (ID: 01240298)

EDUCATION

A.S., Civil Engineering, Hudson Valley Community College, 2013

SELECT PROJECT EXPERIENCE

NYSDOT Region 1 CI Term Agreement, New York

Inspector fora series of highway projects assigned through the Term Agreement that include the following operations: mill and overlay; crack sealing, pavement markings; sign installations; guide rail and traffic signals. Work also included performing slump and air entrainment tests for concrete bridge rehabilitations. He completed Daily Work Reports to document the work performed and is proficient with Site Manager. (2012-2014)

NYSDOT Bridge 5-7 Repairs 12-13 (D262236), Albany County, New York

Inspector for the construction of three new bridge piers on the South Mall Expressway in Albany, NY. Inspection work included the demolition of each existing pier down to its footing, drilling and grouting of reinforcement bars, installation of new bridge bearings, new downspout systems, and armor less bridge joint systems. The placement of Class HP, D, A and Class HP SCC concrete was inspected and tested by Mr. Huston. He also inspected the installation of box beam guide rail, structural lifting operations, hot mix asphalt placement, epoxy pavement striping, establishing turf and basic work zone traffic control.

NYSDOT Bridge Rehab and Highway Reconstruction, Various Locations, New York

Assigned as a Consultant Inspector for the NYSDOT assigned to several Bridge Rehab Projects to test concrete and also assigned to a Highway Reconstruction Project which included pavement milling; asphalt paving; saw cutting; crack sealing; pavement markings; sign replacement; fencing; guide railing; traffic signal systems; and fog sealing.

Bernie Gagnon, PE

CONSTRUCTION INSPECTION

Years with Stantec: 2

REGISTRATIONS

Professional Engineer, State of Vermont

EDUCATION

M.S., Engineering Management, University of Alaska, Anchorage, Alaska, 1993

M.S. Environmental Quality Engineering, University of Alaska, Anchorage, Alaska, 1984

B.S., Civil Engineering, University of Vermont, Burlington, Vermont, 1979

MEMBERSHIPS

Member (Past President of Local Chapter), American Society of Civil Engineers

Bernie is an experienced engineer with over 30 years of engineering experience in project design, preparation and review of contract documents, bid solicitation, contract administration experience in the areas of contaminated site cleanup, road design, water supply, wastewater treatment, stormwater, and site design for residential and commercial developments. His expertise in contracting and in the solicitation, evaluation, and selection of design and construction contractors. He has experience in construction phase services including resident engineering, shop drawing review, response to requests for information, and on site construction inspection and documentation on federal, state, and local projects.

SELECT PROJECT EXPERIENCE

South Catherine Street Reconstruction, Plattsburgh, New York

On-site resident engineer for $4.3 million road reconstruction project in Plattsburgh, NY. Project involved the complete reconstruction of approximately one mile of two lane highway including abandonment of existing water main and construction of new water main; abandonment of existing sewer main and construction of new sewer main; construction of new stormwater treatment infrastructure; new concrete curb and sidewalk; paving; and site landscaping. Responsible for review and approval of all shop drawing submittals; change orders; and approval of all contractor payment requests. Supervised three construction inspectors and approved daily reports and all project quantities. All work was reported and recorded with the APPIA project management program for infrastructure construction projects.

Director of Public Works*, Shelburne, Vermont

Bernie was responsible for overseeing the operations of the highway, water, and wastewater departments. In addition, he was directly responsible for all stormwater related infrastructure and permits. He provided contract administration for the design and construction of town projects and review all contract documents and submittals. He provided construction phase services to assure compliance with contract plans and specifications. He prepared grant applications for state and federal funding assistance and procured over $1,000,000 in grant funding during my tenure with the town. Projects include design and construction review and administration of these projects: an underground stormwater treatment system; replacement of an existing brick arch culvert with a concrete box culvert; a sewer Forced Main system; a sand/salt storage building; a replacement sewer pumping station; replacement of several sections of water main; and several sidewalk/bike path projects. Many of these projects were funded by state sources (VTRANS, ANR) and he managed all aspects of the projects in accordance with state requirements.

Burlington International Airport – House Removals on Airport Acquired Land, South Burlington, Vermont

Resident Engineer responsible for review and approval of all shop drawing submittals; change orders; and approval of all contractor payment requests for the removal by demolition of 94 houses that included recycling and salvage of building materials, backfill, site restoration, and final seeding. All work was reported and recorded with the APPIA project management program for infrastructure construction projects.

** denotes projects completed with other firms*

Warren Spinner

ARBORIST

Years with Stantec: 6

REGISTRATIONS

International Society of Arboriculture, Certified Arborist

Massachusetts Certified Arborist

Vermont Certified Pesticide Applicator

EDUCATION

A.S., Arboriculture and Park Management, University of Massachusetts, Stockbridge School of Agriculture

MEMBERSHIPS

International Society of Arboriculture

New England Chapter I.S.A.

Society Municipal Arborists

Massachusetts Arborists Association

Warren is a municipal and commercial Consulting Arborist with over 30 years of experience in tree/vegetation appraisals, inventory and analysis, risk assessment, and maintenance plans. He has provided project design and field inspection work in Vermont and other New England states.

He specializes in evaluating potential impact of roadside construction to trees, provides detailed management plans and specifications for plant health care, plant diagnosis, protection and preservation. Warren performs diagnosis and damage appraisal reports and can providing expert witness testimony in tree/vegetation damage litigation.

SELECT PROJECT EXPERIENCE

US Route 2 – I-89 Exit 14 Improvements, South Burlington, Vermont
Responsible for assessing existing tree conditions and potential construction impacts on roadside trees. Provided inventory with maintenance recommendations and tree preservation options for trees to be saved. Develop bid specification for transplanting with Air Tools roe select project trees.

US 7 Shelburne Road Reconstruction, South Burlington, Vermont
Contract Arborist overseeing tree removal, tree pruning, tree protection and project landscape installation.

South Street Improvements Project, South Hero, Vermont
Responsible for assessing existing tree conditions and potential construction impacts on roadside trees. Provided inventory with maintenance recommendations and tree preservation options to save remaining trees.

US 10/63 Main Street Revitalization Project, Northfield, Massachusetts
Responsible for assessing existing tree conditions and potential construction impacts on roadside trees. Provided inventory with maintenance recommendations and tree preservation options to save remaining trees.

Main Street Reconstruction, Waterbury, Vermont
Assess existing tree conditions and potential construction impacts on roadside trees and provide tree preservation options to save remaining trees.

Winooski Downtown Development Project, Winooski, Vermont
Oversee tree removal, tree pruning, tree protection, installation of CU – Structural Soil and project landscape installation.

Portland Natural Gas Transmission System, Portland, Maine
Evaluation of Potential Roadside Construction Impacts to Existing Trees in St. Johnsbury, VT.

Route 106, Derby, Vermont
Tree Evaluation Appraisal and Impact Assessment Report for Vermont Agency of Transportation.

Singer Property, Ticonderoga, New York
Tree Inventory, Evaluation and Prioritized Maintenance Plan

VERMONT SURVEY and ENGINEERING, INC.

SURVEYORS and CIVIL ENGINEERS

79 RIVER STREET, SUITE 201 • MONTPELIER, VERMONT 05602
(802) 229-9138 • FAX (802) 229-9130 • E-mail: Info@VermontSurvey.com

Stephen Fraser, LS, Principal — **VT LS #527**
Project Manager/Research Specialist — **NH LS #971**
AOT Manager IV — **NY LS #050855**

Number of years with firm: 12

Mr. Fraser has been involved with engineering and surveying since 1971. Before joining Vermont Survey and Engineering, Inc. in 2005, he was employed for twenty-five years by the City of Barre as a mapping and surveying specialist. During this period, his responsibilities included maintaining water, sewer, and surface utility maps; GIS mapping using ArcInfo 8.0.3; project design and deed research; municipal surveying and construction layout; assisting all departments with their mapping needs; assisting the public regarding all aspects of property ownership; and E 911 liaison.

Since joining Vermont Survey, Mr. Fraser has served as Project Manager for survey and right-of-way efforts associated with a twenty-five mile power transmission project in western Vermont, which includes plat preparation and title research on approximately 150 properties. He is also Manager-In-Charge of deed research, property surveys, and plat preparation and is an accomplished AutoCAD operator.

Mr. Fraser has been involved with the following VTrans projects:

Bennington Bypass North NH F 019-1(5)
Bennington AV-FY 15-010
Brandon NH 019-3(496)
Burlington MEGC M 5000(1)
CULV032-CULV033 Statewide
East Montpelier-Marshfield-Plainfield HPRC(1)
Essex-Westford HPRC(2)
Hartford STP 0113(59)S
Hartford STP BIKE(62)
Hartford STP EH09(15)
Hartford STP EH10(18)
Middlebury AIR 04-3181
Morristown STP HES 030-2(28)
South-Hero STP HES 028-1(22)
South Hero STP SHST(1)
Williston STP HES 5500(12)

Professional Affiliations/Education
A.A.S. Civil Engineering Technology (Surveying Major) – VT Technical College
Vermont Society of Land Surveyors
New Hampshire Land Surveyors Association

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Andrew McQueeney, Principal
Project/CADD Manager
AOT Manager IV

Number of years with firm: 26

Mr. McQueeney has been involved with engineering and surveying since 1985. Before joining Vermont Survey and Engineering, Inc. in 1991, he was employed by McDonald-Sharpe Surveyors and Engineers of Old Saybrook, CT. As CADD Manager, he is responsible for developing AutoCAD, MicroStation and InRoads deliverables as well as overseeing CADD work of others. He has been using AutoCAD software since 1991 and Bentley Systems and Intergraph software since 1998. A Principal of the company since 2009, Mr. McQueeney now coordinates the activities of the field crews and office staff, and acts as Project Manager for the majority of VTrans projects that VSE is involved with.

Mr. McQueeney has been VSE Project Manager for the following VTrans projects:

Structures Projects

Bennington ER BHF 010-1(45)
Bethel BHF 0241(38)
Cavendish ER BRF 0146(13)
Corinth BRO 1447(29)
CULV032-CULV033 Statewide
Fairfield BRO 1448(38)
Hyde Park STP CULV(26)
Lincoln FAS 0188(TH1)
Lunenburg NH CULV(27)
New Haven FAS 0183(TH2)
North Hero-Grand Isle BHF 028-1(26)
Plymouth ER BRS 0149(5)
Rockingham BRF 0126(12)
Ryegate IM CULV(28)
Waterbury IM 089-2(43)
Woodstock BHO 1444(52)

Roadway Projects

Andover-Chester STP 016-1(28) SC
Bakersfield STP SCRP(11)
Brandon-Rochester ER STP 0162(21)
Guilford-Rockingham IM SIGN(44)
Marlboro-Brattleboro NH 010-1(46) SC
Milton IM 089-3(66)
Morristown STP HES 030-2(28)
Randolph-Northfield STP 0187(10) SC
Rutland-Killington NH 020-2(36)
South-Hero STP HES 028-1(22)
St. Johnsbury-Lyndon IM 091-3(50)
Stockbridge-Bethel STP 2910(1)
Waterbury FEGC F 013-4(13)
Williston STP HES 5500(12)
Windsor IM 091-1(64)
Woodstock STP 0241(40)

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Jason Riley, LS **VT LS #59686**
Land Surveyor/Senior CADD Draftsman
AOT Technician VI

Number of years with firm: 13

Mr. Riley has been involved in the surveying field for the past 10 years. During this time his duties have ranged from Rodman to Party Chief to CADD draftsman. He has experience in highway construction layout, 3-dimensional topographic surveying, boundary survey, and as-built surveys. Mr. Riley's responsibilities have also included deed research and plat preparation, construction quantity calculation, and oversight/training of other draftsmen. A Vermont Licensed Land Surveyor since 2012, Mr. Riley's capabilities and responsibilities continue to grow at VSE.

Mr. Riley has been involved with the following VTrans projects:

Structures Projects

Bennington ER BHF 010-1(45)
Bethel BHF 0241(38)
Cavendish ER BRF 0146(13)
Corinth BRO 1447(29)
CULV032-CULV033 Statewide
Fairfield BRO 1448(38)
Hyde Park STP CULV(26)
Lincoln FAS 0188(TH1)
Lunenburg NH CULV(27)
New Haven FAS 0183(TH2)
North Hero-Grand Isle BHF 028-1(26)
Plymouth ER BRS 0149(5)
Rockingham BRF 0126(12)
Ryegate IM CULV(28)
Waterbury IM 089-2(43)
Woodstock BHO 1444(52)

Roadway Projects

Andover-Chester STP 016-1(28) SC
Bakersfield STP SCRP(11)
Brandon-Rochester ER STP 0162(21)
Guilford-Rockingham IM SIGN(44)
Marlboro-Brattleboro NH 010-1(46) SC
Milton IM 089-3(66)
Morristown STP HES 030-2(28)
Randolph-Northfield STP 0187(10) SC
Rutland-Killington NH 020-2(36)
South-Hero STP HES 028-1(22)
St. Johnsbury-Lyndon IM 091-3(50)
Stockbridge-Bethel STP 2910(1)
Waterbury FEGC F 013-4(13)
Williston STP HES 5500(12)
Windsor IM 091-1(64)
Woodstock STP 0241(40)

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Lawrence Bliss
Right-of-Way Agent
AOT Technician VI

Number of years with firm: 8

Mr. Bliss has 46 years of experience in the acquisition of land and rights for public projects. His background includes supervising and managing various Right-of-Way functions for the Vermont Agency of Transportation and some Vermont Department of Forest and Parks acquisitions. He was Chief of Plans & Titles for the VTrans Right-of-Way Division from 1986 to 2000 and is skilled in title searching, property line determination, plat and plan preparation, court testimony, and administration of the complicated laws, rules, and regulations of the *Uniform Relocation Act*. Since joining VSE, he has been a vital member of a team acquiring rights from approximately 150 landowners for a major utility upgrade, as well as providing oversight for VTrans right-of-way projects currently being developed by VSE.

Mr. Bliss has been involved with the following VTrans projects:

Bennington Bypass North NH F 019-1(5)
Bennington AV-FY 15-010
Burlington MEGC M 5000(1)
CULV032-CULV033 Statewide
East Montpelier-Marshfield-Plainfield HPRC(1)
Essex-Westford HPRC(2)
Hartford STP 0113(59)S
Hartford STP BIKE(62)
Hartford STP EH09(15)
Hartford STP EH10(18)
Middlebury AIR 04-3181
Morristown STP HES 030-2(28)
South-Hero STP HES 028-1(22)
South Hero STP SHST(1)
Williston STP HES 5500(12)

Professional Affiliations/Education
University of Vermont
Woodbury Associates Real Estate Course

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SURVEYORS and CIVIL ENGINEERS

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Matthew Yefchak
Party Chief
AOT Technician VI

Number of years with firm: 16

Mr. Yefchak began his career at VSE as a Rodman on a survey crew. He has steadily progressed through the years and has been a Party Chief since 2004. He has experience in highway construction layout, 3-dimensional topographic surveys, boundary surveys, and as-built surveys. Matt has taken responsibility for implementing a quality control plan for VSE, which has standardized the way in which all field crews collect and report data. This effort has improved the quality of VSE's work, and resulted in cost savings for our clients.

Mr. Yefchak has been involved with the following VTrans projects:

Structures Projects

Bennington ER BHF 010-1(45)
Bethel BHF 0241(38)
Cavendish ER BRF 0146(13)
Corinth BRO 1447(29)
CULV032-CULV033 Statewide
Fairfield BRO 1448(38)
Hyde Park STP CULV(26)
Lincoln FAS 0188(TH1)
Lunenburg NH CULV(27)
New Haven FAS 0183(TH2)
North Hero-Grand Isle BHF 028-1(26)
Plymouth ER BRS 0149(5)
Rockingham BRF 0126(12)
Ryegate IM CULV(28)
Waterbury IM 089-2(43)
Woodstock BHO 1444(52)

Roadway Projects

Andover-Chester STP 016-1(28) SC
Bakersfield STP SCRP(11)
Brandon-Rochester ER STP 0162(21)
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Milton IM 089-3(66)
Morristown STP HES 030-2(28)
Randolph-Northfield STP 0187(10) SC
Rutland-Killington NH 020-2(36)
South-Hero STP HES 028-1(22)
St. Johnsbury-Lyndon IM 091-3(50)
Stockbridge-Bethel STP 2910(1)
Waterbury FEGC F 013-4(13)
Williston STP HES 5500(12)
Windsor IM 091-1(64)
Woodstock STP 0241(40)

FRANCINE R. PERKINS

420 WINDY WOOD ROAD, BARRE, VERMONT 05641

802-479-6994 ▪ jfp1999@myfairpoint.net ▪ www.roadworkupdates.com

Objectives

Obtain a challenging position, apply my communication skills and prove myself as an asset to your team.

Experience

Public Outreach Coordinator (Self-Employed) May 2006 – Present

FRP Enterprises, LLC, Barre, Vermont

- Manage public outreach on VTrans projects as directed by VTrans.
- Maintain effective working relationship between VTrans, contractors and third parties.
- Facilitate satisfactory resolutions and communications between all parties.
- Develop and maintain distribution lists by project.
- Draft press releases and traffic alerts regarding construction projects.
- Prepare communities for construction projects by delivering flyers in person.
- Coordinate and attend public meetings by project.
- Maintain company website with project information.

Legal Assistant May 2006 - 2009

Theriault & Joslin, P.C., Montpelier, Vermont

- Draft legal motions to the courts and correspondence to clients.
- Answer telephone and greet clients.
- Transcribe dictation.
- Enter time into legal database.
- File and database management.

Paralegal Internship – 165 hours Feb – Mar 2005

Law Office of David Casier, Burlington, Vermont

- Performed title examinations and updates.
- Drafted legal motions to the courts and correspondence to clients.
- Communicated with courts and clients.
- Drafted eviction packages.
- Answered phones and greeted clients.
- Attended State and Federal court hearings.

Professional Facilitator Dec 2004

TFG, Inc., Stowe, Vermont

- Led and facilitated Board of Directors' meeting according to aggressive agenda.
- Summarized notes and transcribed notes from brainstorming sessions on white boards.

VTrans – Request for Qualifications

ATR Consultant Engineering Services for Municipalities

ATTACHMENT NO. 4.2 – KEY PERSONNEL RESUME FORM

a. Name & Title: **Stephanie Barrett, President**
b. Project Assignment: **Public Outreach Project Manager**
c. Name of Firm with which associated: **Count On It Business Services, Inc**.
d. Years experience: **20** With this firm years With Other Firms: **0** (27+ Years @ Count On It Business Services, Inc. 20 years of Public Relations work)
e. Education: Educational Institution/Degree(s)/Year/Specialization: Champlain College/Associates Degree in Accounting/1985/Construction Accounting
f. Active Registration: Year First Registered/Discipline/VT Registration #: Registered in VT in 1989 as a Sole Proprietor / Incorporated in VT 9/1997 / Certified yearly as a Vermont Disadvantaged Business Enterprise
Below is a small listing of Public Relations Projects, current and/or, completed by Count On It Business Services Inc. Rockingham I-91 Bridge Replacement current IM 091-1(66) *Contact: Daryl Bassett daryl.bassett@vermont.gov or* *Tom French Thomas.french@hdrinc.com* Essex Junction – Colchester current NH 2956(2), STP 2956(1), STPG SGNL(45) *Contact: Josh Hulett josh.hulett@state.vt.us* or *John Little john.little@stantec.com* Winooski Circulator HES 5100(13) *Contact: Chris Achilles chris.achilles@vermont.gov or John Little john.little@stantec.com* Housing Removal Project 2014 Burlington International Airport *Contact: Jon Leinwohl jon.leinwohl@stantec.com* Richmond – Colchester 2013/14 IM Surf (38) (RE-AD) *Contact: Josh Hulett josh.hulett@state.vt.us* or *John Little john.little@stantec.com* Richmond STP 0284 (17) 2013/14 Richmond CMG Park (31) *Contact: Josh Hulett josh.hulett@state.vt.us*

ARTHUR T. CROSS
OPERATIONS MANAGER

TECHNICAL ROLE
Project Manager

EXPERIENCE
21 Years

EDUCATION
AAS, Ecology and Environment.
Paul Smith's College, Paul Smiths, NY

CERTIFICATIONS

- NICET Construction Materials Testing -Soil (Level II)
- NICET Construction Materials Testing -Concrete (Level III)
- NICET Construction Materials Testing -Asphalt (Level II)
- ACI Concrete Field Testing Technician (Grade I)
- NETTCP Soil and Aggregate Inspector
- NETTCP HMA Paving Inspector
- NETTCP QA Technologist
- FAA Bituminous Inspector
- XRF Radiation Safety
- Nuclear Density Meter Operator
- NYSDOL Asbestos Inspector
- OSHA 40-Hour HazMat
- OSHA 8-Hour HazMat Refresher
- OSHA 10-Hour Construction
- Confined Space Entry

Mr. Cross is the Operations Manager of the Plattsburgh Division at Atlantic Testing Laboratories, Limited. He has experience in construction materials engineering through quality assurance/quality control testing and inspection, and project management performed upon numerous construction projects.

RESPONSIBILITIES

- Field and laboratory testing of construction materials including soil, concrete, masonry and associated report preparation.
- Concrete and batch plant inspections for compliance with NYSDOT standard specifications, and associated report preparation.
- Quality Assurance/Quality Control programs for the daily execution of construction materials testing and inspection programs, including simultaneous monitoring of multiple concrete placements, backfilling and compaction of earthen fill, and communication of results and construction progress.
- Precast/prestressed plant inspection.
- Coordination and supervision of field and office staff.

PROJECT EXPERIENCE

Construction Materials Engineering and Testing

- Schuyler Falls Landfill, Schuyler Falls, NY
- International Paper Landfill, Ticonderoga, NY
- Kubricky Construction, I-87 Reconstruction
- Ogdensburg International Airport, Ogdensburg, NY
- New York State Department of Transportation, Various Projects
- Wal-Mart, Ticonderoga, NY
- Mt. Van Hoevenberg, Lake Placid NY
- Champlain Valley Physician's Hospital, Plattsburgh, NY
- Warren County Airport, Hudson Falls, NY
- State Route 11, Chateaugay to Ellenburg, NY
- Filene's Department Store, Burlington, VT
- Water Treatment Plant, Lake Placid, NY
- Peru Central School Additions, Peru, NY
- Lowe's Home Improvement Store, Plattsburgh, NY
- Moses Ludington Hospital Addition, Bast-Hatfield Construction, Ticonderoga, NY
- Ross Commons, Middlebury College, Barr & Barr, Inc., Middlebury, VT
- Town of Chazy Water/Wastewater Treatment Facility, Chazy, NY
- Lake Placid High School Addition, Lake Placid, NY
- Vermont Agency of Transportation, Bituminous Batch Plant Inspection
- Kubricky Construction, Peru Rest Area, Peru, NY
- Beekmantown Central School, Beekmantown, NY
- Stafford Middle School addition, Plattsburgh, NY
- Vermont Agency of Transportation, Pre-cast Fabrication Inspection
- Wastewater Treatment Plant, Hague, NY
- AuSable School District, AuSable Forks Elementary School
- AuSable School District, Keeseville Elementary School
- AuSable School District, AuSable Forks Bus Garage
- AuSable School District, AuSable Forks Middle School
- Winooski Redevelopment Project, Winooski, VT

WILLIAM S. MINER, CET
PROJECT MANAGER

TECHNICAL ROLE
Senior Inspector

EXPERIENCE
13 Years

EDUCATION
BS, Construction Management, SUNY Alfred, Alfred, NY

CERTIFICATIONS

- NICET Construction Materials Testing - Soil (Level II)
- NICET Construction Materials Testing - Concrete (Level II)
- NICET Construction Materials Testing - Asphalt (Level II)
- ACI Concrete Field Testing Technician (Grade I)
- ACI Concrete Strength Testing Technician
- ACI Concrete Laboratory Testing Technician (Level I)
- ACI Aggregate Base Testing Technician
- ACI Aggregate Field Testing Technician (Level I)
- ICC Spray-Applied Fireproofing Special Inspector
- NETTCP Soil and Aggregate Inspector
- NETTCP HMA Plant Technician
- NYSDOL Asbestos Building Inspector
- NYSDEC Erosion and Sediment Control

Mr. Miner is a Project Manager at Atlantic Testing Laboratories, Limited. He has experience in Construction Materials Engineering through quality assurance and quality control testing and Inspection performed on various projects. He also has experience in hazardous material survey services.

RESPONSIBILITIES

- Field testing and inspection of construction materials including soil, concrete, concrete reinforcement, and associated report preparation.
- Asbestos, lead, and PCB building survey services.

PROJECT EXPERIENCE

Construction Materials Engineering and Testing

- North Country Community College, Ticonderoga Campus, Ticonderoga, NY
- Natgun, Various Tank Inspection Projects, Various Locations, NY
- Northland Associates, U.S. Homeland Security Agency, Champlain Port of Entry
- Noble Environmental Power, Clinton Wind Power Projects, Clinton County, NY
- Noble Environmental Power, Ellenburg Wind Power Projects, Clinton County, NY
- Noble Environmental Power, Altona Wind Power Projects, Clinton County, NY
- Noble Environmental Power, Churubusco Wind Power Projects, Clinton County, NY
- C & S Engineers, Plattsburgh International Airport, Plattsburgh, NY
- Casella Construction, Inc., Clinton County Landfill, Morrisonville, NY
- Water Storage Tank, AES Northeast, Wilmington, NY
- Schroon lake Central School District, Additions/Reconstruction, Schroon Lake, NY
- Target Store, Plattsburgh, NY
- Olympic Regional Development Authority, Lake Placid, NY
- Ticonderoga Central School District, District-Wide Add./Alt., Ticonderoga, NY
- Walgreens Store, Plattsburgh, NY
- Burlington International Airport, Burlington, VT
- Peru Central School District, Peru, NY
- Plattsburgh City School District, Plattsburgh, NY
- AuSable Valley CSD, Additions and Alterations, Clintonville, NY
- Northern Adirondack CSD, Additions and Alterations, Ellenburg, NY
- Hudson Hall, SUNY Plattsburgh, Rehabilitation Phase II, Plattsburgh, NY
- Dollar General Store, Keeseville, NY
- C & S Companies, Plattsburgh International Airport, Plattsburgh, NY
- CVPH (Champlain Valley Physician Hospital) Plattsburgh, NY
- Marble River Wind Power Project, Clinton County, NY
- AMTRAK Stations, Various Locations, NY & VT
- St. Joseph's Addiction Treatment and Recovery Center, Saranac Lake, NY
- Old Military Road Reconstruction, Lake Placid, NY
- Ferry Slip, Cumberland Head, NY
- Dannemora Waste Water Treatment Plant, Dannemora, NY
- DASNY, Harrington Hall, SUNY Plattsburgh, Plattsburgh, NY
- AES Northeast, PLLC, North Country SPCA, Westport, NY
- McFarland Johnson, Plattsburgh International Airport Phase I, Plattsburgh, NY
- C&S Companies, Hawkins Hall Pond Project, Plattsburgh, NY
- High Peaks Distributing, LLC, Warehouse Expansion, Saranac Lake, NY
- Stantec, South Catherine Street Reconstruction, Plattsburgh, NY
- Rt. 3 Development, Fairfield Inn & Suites, Plattsburgh, NY

CHRISTIAN D. FOUT
PROJECT MANAGER

TECHNICAL ROLE
Senior Inspector

EXPERIENCE
9 Years

EDUCATION
BS, Civil Engineering Technology,
SUNY Utica IT,
Utica, NY

CERTIFICATIONS

- ACI Concrete Field Testing Technician (Grade I)
- NETTCP Soil and Aggregate Inspector
- NETTCP - Concrete Inspector
- NETTCP Driven Pile Inspector
- NYSDOL Asbestos Air Sampling Technician
- NYSDOL Asbestos Project Monitor
- NYSDOL Asbestos Inspector
- NYSDEC Inspector for SPEDS and SWPPP Inspections
- Nuclear Density Meter Operator
- XRF Radiation Safety
- OSHA 40-Hour HazMat
- OSHA 8-Hour HazMat Refresher
- OSHA 10-Hour Construction
- Confined Space Entry
- NICET Associate Engineering Technologist
- NYSDEC SWPPP

Mr. Fout is a Project Manager at Atlantic Testing Laboratories, Limited. He has experience in construction materials engineering and testing through performing quality assurance and quality control testing and inspection on various projects.

He also has experience in Asbestos Abatement Project Monitoring, Bulk Sampling, and Air Sampling on various projects.

RESPONSIBILITIES

- Field testing and inspection of construction materials including soil, concrete, concrete reinforcement, and associated report preparation.
- Asbestos, lead, and PCB building surveys and asbestos air sampling and project monitoring, and associated report preparation.

PROJECT EXPERIENCE

Construction Materials Engineering and Testing

- Clinton County Landfill, Morrisonville, NY
- New York State Office of General Services, McGregor Dam, Altona, NY
- NYS Office of Parks and Recreation, Macomb State Park Schuyler Falls, NY
- Burlington International Airport, Burlington, VT
- Noble Environmental, Chateaugay Windpark, Chateaugay, NY
- Noble Environmental, Belmont Windpark, Belmont, NY
- Champlain Valley Physicians Hospital (CVPH) Plattsburgh, NY
- Ticonderoga Central School District, Ticonderoga, NY
- Trudeau Institute, Saranac Lake, NY
- DASNY, Harrington Hall, SUNY Plattsburgh, Plattsburgh, NY
- Horizon Energy, Marble River Wind Power Project, Clinton County, NY
- AMTRAK Stations, Various Locations, NY & VT
- St. Joseph's Addiction Treatment and Recovery Center, Saranac Lake, NY
- Old Military Road Reconstruction, Lake Placid, NY
- Northern Adirondack CSD, Additions and Alterations, Ellenburg, NY
- South Catherine Street Reconstruction, Plattsburgh, NY
- Rehabilitation of Kingdom Dam, Elizabethtown, NY
- Tractor Supply, Lake Placid, NY
- Marshalls, Lake Placid, NY
- Plattsburgh Airport, Terminal Expansion, Plattsburgh, NY
- Malone Central School District, Additions and Alterations, Malone, NY
- Town of Champlain, Shared Water Improvements, Champlain, NY
- FW WEBB Company, Plattsburgh, NY
- Fairfield Inn & Suites, Plattsburgh, NY
- Meadow Brook Healthcare, Plattsburgh NY
- SUNY Plattsburgh, Renovations to Sibley Hall, Plattsburgh, NY
- SUNY Plattsburgh, Rehabilitation of Podium, Plattsburgh, NY
- Jericho Rise Wind Project, Franklin County, NY
- Jericho Rise Substation, Franklin County, NY
- Hotel Saranac, Saranac Lake, NY
- Clinton Community College, Advanced Manufacturing Institute, Plattsburgh, NY
- Keeseville Chesterfield and AuSable Joint Fire District, Keeseville, NY
- Plattsburgh Central School District, Capital Improvements, Plattsburgh, NY
- Randhill Road Bridge, Plattsburgh, NY
- True Brook Road Bridges, Saranac, NY

KNIGHT CONSULTING ENGINEERS, INC.

MARTIN W. HAIN, P.E.
President

Specialties
Structural Engineering
Geotechnical Engineering

Education
Bachelor of Science in Civil Engineering, University of Iowa, 1979
Master of Engineering in Structural Engineering, Cornell University, 1985

Experience

Knight Consulting Engineers, Inc.	1988-
Quicksilver Contracting, Inc.	1987-1988
LeMessurier Consultants	1985-1987
Graduate Student, Cornell University	1984-1985
U. S. Army Corps of Engineers	1980-1984

Registration
Professional Engineer: Vermont, New Hampshire and Massachusetts

Professional Organizations
Past President, American Society of Civil Engineers, Vermont Section

Awards and Honors
Tau Beta Pi Engineering Honor Society
Chi Epsilon Civil Engineering Honor Society

KNIGHT CONSULTING ENGINEERS, INC.

ERIC H. GODDARD, P.E.
Senior Vice President

Specialties
Geotechnical Engineering
Structural Engineering
Hydraulics
Hydrology
Civil Engineering
Site Design

Education
Bachelor of Science in Civil Engineering, University of Vermont, 1986

Experience

Knight Consulting Engineers, Inc.	1986-
Knight Consulting Engineers, Inc.	Summer,1985

Registration
Professional Engineer: Vermont, 1991, #6035

Professional Organizations
Member, American Society of Civil Engineers

Awards and Honors
Member of Chi Epsilon Civil Engineering Honor Fraternity, Vermont Chapter, University of Vermont
Member and Past Treasurer of Tau Beta Pi Engineering Honor Fraternity, Vermont Alpha Chapter, University of Vermont

KNIGHT CONSULTING ENGINEERS, INC.

BARBARA J. EVANS, P.E.
Senior Engineer

Specialties
Structural Engineering
Civil Engineering
Environmental Engineering

Education
Bachelor of Science in Civil Engineering, University of Vermont, 1987

Experience

Knight Consulting Engineers, Inc.	1998-
Consulting Engineer, Sole proprieter	1994-1998
Civil Engineer, Scott Mapes, P.E. ESQ.	1992-1994
Facilities Engineer, CDI Northeast	1989-1992
Structural Engineer, TWM (formerly Boehm Associates)	1987-1989
Engineering Technician, VT Agency of Transportation	Summer 1986

Registration

Professional Engineer, Vermont	1991
Site Technician A, Vermont	1992
Site Technician B, Vermont	1993

Professional Organizations
Member, Vermont Society of Structural Engineers

Key Personnel:

Bob Lovgren, P.E.

Professional Experience:

Alpha Testing & Engineering, LLC

Co-Owner / Project Engineer / Senior Engineering Technician

Knight Consulting Engineers, Inc.

Engineering Technician - Responsibilities included field inspection of soils, concrete and masonry materials, structural steel inspection, field surveys, and laboratory testing of construction materials.

Senior Engineering Technician - Supervised and coordinated activities of field inspection and laboratory materials testing Staff.

Project Engineer - Utilized knowledge of Civil, Structural and Geotechnical Engineering and Construction to provide design, consulting and expert legal testimony services to a wide variety of Clients and Projects.

Certificates & Licenses:

Registered Professional Engineer in the States of Vermont and New Hampshire
American Concrete Institute Concrete Field Testing Technician, Grade I
Nuclear Moisture-Density Gauge Operator Certification

Education:

B.S. Civil Engineering, University of Vermont, 1992

Special Training:

FEMA Post Disaster Structural Evaluation of Buildings
VT Agency of Natural Resources Water and Wastewater Designer

Areas of Expertise:

Forensic Engineering
Concrete deterioration and defects
Historic construction practices and materials
Slope stability and excavation safety
Masonry construction
Materials Testing

10 Lamoille Street, Essex Junction, VT 05452 ▪ Phone: 802-893-9814 ▪ Fax: 802-891-6036 ▪ www.alphatestingvt.com

Key Personnel:

Patricia Reed

Professional Experience:

Alpha Testing & Engineering, LLC

Co-Owner / Senior Engineering Technician

Hoyle, Tanner & Associates, Inc.

Resident Inspector - On-site management of construction projects, including project administration, construction observation and quality control, inspection of construction activities and materials, review of product submittals, shop drawings and pay applications, and project close-out.

S.D. Ireland Construction Corp.

Quality Control / Engineering Technician – Conducted quality control testing for concrete plant and aggregate quarry. Responsible for laboratory testing, site testing and inspection, and general quality control of concrete and soils on various commercial and residential projects.

Knight Consulting Engineers, Inc.

Engineering Technician - Responsibilities included laboratory testing, site inspection and quality control of industrial, commercial and residential construction projects throughout the State of Vermont. Ensured contractor compliance with plans and specifications relating to concrete, soils, masonry, structural steel and civil engineering construction procedures.

Scheduler / Bookkeeper – Responsible for scheduling of field and laboratory personnel and conducting customer relations for a wide variety of clients in both the public and private sectors Responsible for all tasks related to timekeeping, billing, accounts receivable and payable, general ledger and collections company-wide.

Certificates & Licenses:

Nuclear Moisture-Density Gauge Operator Certification

Education:

Associates in Applied Science; Concrete Technology, Summa cum Laude
Alpena Community College, 1978

Areas of Expertise:

Concrete Mix Designs
Concrete deterioration / defects / repair
Masonry construction
Materials Testing

10 Lamoille Street, Essex Junction, VT 05452 ▪ Phone: 802-893-9814 ▪ Fax: 802-891-6036 ▪ www.alphatestingvt.com