



State of Vermont
Agency of Transportation
Municipal Assistance
Bureau

March 6, 2020

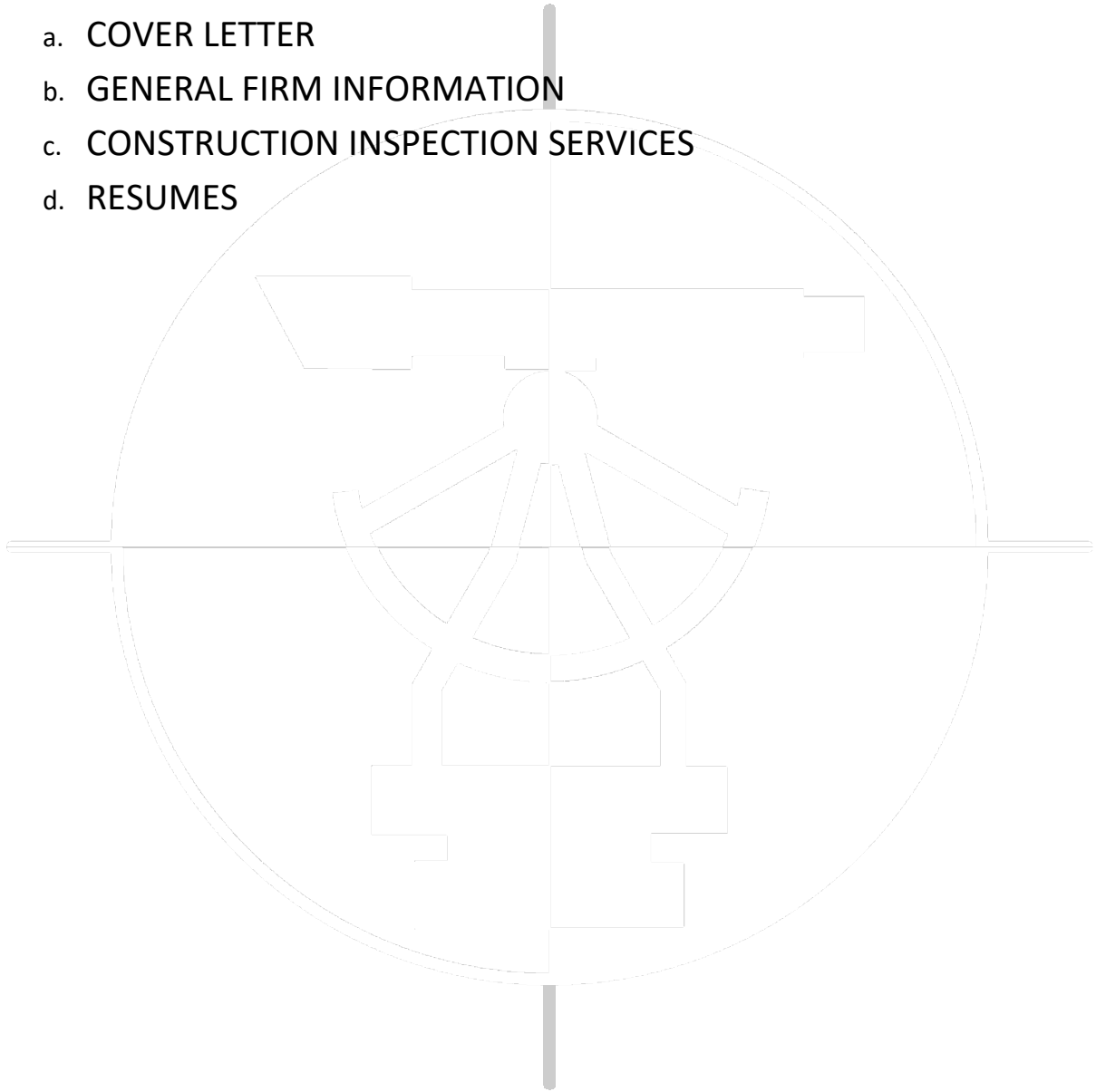
**Statement of Qualifications for At-The-Ready
Consultant Engineering Services for Municipalities
CONSTRUCTION INSPECTION SERVICES**



136 Pearl Street
Essex Junction, Vermont 05452
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HamlinEngineers@dlhce.net
www.dlhce.com

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a. COVER LETTER



DONALD L. HAMLIN
CONSULTING ENGINEERS, INC.
ENGINEERS AND LAND SURVEYORS

Please reply to:

P.O. Box 9
Essex Junction
Vermont 05453

136 Pearl Street
Essex Junction, Vermont

Tel. (802) 878-3956
Fax (802) 878-2679
www.dlhce.com

March 6, 2020

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

Re: State of Vermont Agency of Transportation
At-The-Ready Consultant Engineering Services for Municipalities
Construction Inspection Services

Dear Ms. Lugo:

Thank you for considering our firm for future Construction Inspection Services. We welcome this opportunity to continue providing service to the Agency of Transportation and Vermont communities. As a long-term working member of Vermont's municipal transportation partners, we understand the challenges facing the transportation system in Vermont. Our firm's expertise and experience in scheduling, coordination, and construction administration provide us with the ability to recognize and stay ahead of potential issues which may arise during the course of the projects. Our firm's depth of experience providing services on VTrans administered projects and our knowledge of local, State and Federal requirements and VTrans Standard Specifications for Construction allow us to continuously complete projects on schedule in accordance with approved plans and specifications.

We utilize a team approach throughout the construction phase. We know that providing complete Construction Inspection Services over the entire construction phase requires primary Resident Engineering staff and associated back-up staff. This team has worked together for 25 years on projects too numerous to list and brings over 150 years of combined experience to any project. Our firm recently provided engineering design, project management, and/or resident engineering for the following VTrans Municipal Assistance Bureau administered projects:

Colchester STP 5600(21)
Jericho STP BP14(2)
Essex Junction STP SDWK (17)
Stowe STP 0235(20)
Colchester TCSP TCSE(007)
Essex Junction STP 5300(11)
Jericho STP SDWK(2)

Fairfax STP EH12(8)
Shelburne STP BP14(5)
Hinesburg STP Bike(54)
Essex Junction STP 5300(10)
Jericho STP BP14(2)
Shelburne STP SDWK(24)
Milton STP BP16(10)

Vergennes STP BP15(6)
South Burlington STP 5200(18)
Essex Junction STP SDWK(14)
Colchester STP SDWK(20)
Essex Junction STP 5300(9)
Milton STP BP13(3)
Richmond BF 0284(28)

The attached response to the Request for Qualifications presents general information about our firm, detailed qualifications of the key personnel, and brief examples of projects involving Construction Inspection services. We have provided 10 copies and 1 CD holding an electronic copy as requested in the Request for Qualifications.

Once again, thank you for considering our firm for upcoming projects and we appreciate the opportunity to work with the Vermont Agency of Transportation.

Respectfully,



Benjamin D. Heath, P.E.
Vice President

enc.

WATER SUPPLY & DISTRIBUTION
STORMWATER MANAGEMENT
STREETS & HIGHWAYS
CONTRACTOR SERVICES

MUNICIPAL ASSISTANCE
SITE DEVELOPMENT & SUBDIVISION
RECREATION FACILITIES & SKI AREAS
WASTEWATER COLLECTION & TREATMENT

AGRICULTURAL ENGINEERING
PERMITTING ASSISTANCE
LAND SURVEYING
RESIDENT ENGINEERING

b. GENERAL FIRM INFORMATION



GENERAL FIRM INFORMATION

Donald L. Hamlin Consulting Engineers, Inc. (DLHCE) is a Vermont firm, founded in 1965, offering a full range of civil engineering, land surveying, and project management services. Personnel with broad experience in all phases of civil engineering, planning, and project management form the core of this organization. Comprehensive service to our clients is a primary goal of the firm. Emphasis is placed on establishing and maintaining good working relationships with clients, contractors, representatives of local, State, and Federal governments, and people affected by construction projects.



Since its inception, the culture of the firm has been based upon complete engineering solutions and service, from survey, design and permitting, through final construction of the project. Because we are able to provide complete survey and engineering services, we are experienced in all phases of project development, completion, and management. We also recognize that it takes more than providing proper technical solutions for a project to be completed successfully. Realization of project goals, and the assurance that what the client and regulatory agencies have approved is constructed, requires engineering support throughout the construction process. The engineering career of the founder began as a Resident Engineer on several interstate highway projects. This heritage of engineering care and complete service until the completion of construction remains with the firm. We understand that the difference between a good project and great project is always found in the details and we have the experience to know where to look for those details.

Our office is located at 136 Pearl Street in Essex Junction. This office of twelve employees is fully equipped and capable to produce all original engineering documents or reproductions in many formats. For more information regarding our firm, please visit our website: www.dlhce.com



136 Pearl Street
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802-878-3956
hamlinengineers@dlhce.com
www.dlhce.com

— Engineering Excellence Since 1965 —

Resident Engineering
Municipal Project Management
Drainage & Stormwater Facilities
Traffic Engineering, Modeling, & Impact Studies
Streets, Highways, & Intersections
Municipal Asset Management
Erosion Prevention and Sediment Control
Subdivisions-Residential & Commercial
Recreation and Industrial Planning
Engineering Feasibility Studies
Permit Assistance
Land Surveying & Mapping
Construction Inspection & Management
Bicycle/Pedestrian Planning and Design
Public Works and Maintenance Facilities



S.W. Cole Engineering, Inc. will provide sub-consultant services related to construction testing. S.W. Cole is a multi-disciplined engineering firm offering a wide range of services to the public and private sector, including, geotechnical, geo-environmental, materials testing, and test boring explorations.



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

Construction Materials Testing & Special Inspections

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

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



Company information:

S.W. Cole Engineering, Inc.
55 Leroy Road, Suite 15
Williston Vermont 05495
(802) 391 4542
infoburlington@swcole.com
Founded: 1979



Organizational and Availability Chart



APPROACH TO THE PROJECT

Upon receipt of a Scope of Work from a Municipality, we will be prepared to provide the necessary services in response to the scope of work items. We recognize that the selected firm will need to have available personnel who are qualified to provide multi-faceted construction related services and our firm has the history and depth within our team to successfully fulfill this request. Presented below is a general description of our approach to construction projects and some of the special efforts we utilize to assure a smooth flowing and successful project and construction administration sequence.



Our first task will be to perform detailed review of the contract documents, including the plans, specifications, permits, and contract special provisions to gain a thorough understanding of the project requirements. We will coordinate with the MPM on questions or comments based on our review of the final approved contract documents. We will also take preconstruction photographs of the project area to document existing conditions.

Our interaction with the project team will commence with the coordination of the Pre-Bid meeting for the Contractor selection and assistance with analysis of contract bids. We will provide the email addresses for all the involved team members to the VTrans MAB Project Representative, MPM, and Design Engineer. Once a Contractor for the project has been selected, we will work directly with the VTrans MAB Project Representative and MPM to schedule, coordinate, and oversee the pre-construction conference for the project construction. Using the inspection team concept, we will provide inspection coverage day or night, seven days per week as needed by the construction schedule to assure all work is performed in accordance with VTrans Specifications and appropriate Project Contract Documents.

The critical path schedule for construction projects relies on clear and precise communication between the contractor, resident engineer, designer, and the owner. To meet schedule goals, it will be important to complete the submission and review of shop drawings in a timely fashion. Accordingly, we will coordinate with the selected Contractor and the design engineer to see that this process flows as efficiently as possible. We will also coordinate and confirm with the Contractor regarding DIGSAFE contact and other regulatory notifications prior to the start of construction. We may also aid in developing and managing construction contract schedules to confirm the critical path and assure that the project can be completed within the timeframe provided.

Public Relations

Coordination with the public is an important service that we will perform. We believe that this is an extremely important task that cannot be stressed too highly. We will maintain contact with the business owners, residents, and institutions to keep them informed of the project schedule and to coordinate with them on maintaining access to their properties. We will distribute daily emails to all interested residents and business owners to inform them of the work tasks and locations for each workday. We will also maintain contact with local radio and newspapers that broadcast and/or publish a summary of area roadway construction. We will provide a summary of the anticipated activities for the upcoming week to these agencies. In addition, we will provide a similar summary to the Municipality, area transportation notification services, public transportation services, schools, and area rescue services.



Daily Inspections

As mentioned above, we will maintain a continuous presence on the site during construction activities throughout the construction duration. We will prepare detailed inspection reports for each day on a standardized reporting form. These reports will include photos depicting items described in the report and documenting the progress of the work. The reports and attachments will be prepared in PDF format. We will maintain a log of the reports and will provide copies of the reports to the MPM and MAB Representative. Information included in the reports will include:

- Daily weather conditions.
- Contractor's work force and equipment on site.
- General description of the current activities and location of where work is occurring.
- Daily progress of the work and documentation of quantities.
- Work zone safety and traffic control measures describing effectiveness and necessary modifications.
- Compliance with contract documents, local and State permits, and approved design modifications.
- Documentation of key conversations with the contractor and/or design engineer involving the project construction and any design modifications.
- Documentation of items not constructed per approved plans and recommendations for remediation.
- Documentation of approved field changes to the plans for incorporation into project record drawings.
- Documentation of unusual occurrences or accidents within the project area. Such incidents will be reported to the VTrans MAB Representative, MPM, and/or Design Engineer as appropriate.
- Documentation of testing results.
- Photos of key elements of daily construction.



Our inspection services will include observation and documentation of material conditions required by State and local permits. We will also coordinate compaction and materials testing services. We will document reasons for materials justification/disposition, reasons for quantity overruns/underruns, and prepare bi-weekly written estimates for the Engineers approval. If necessary, we will prepare written order and changes of design/supplementary agreements for the VTrans Engineer's approval.



Coordination, Coordination, Coordination...

Projects of all sizes and complexity often involve design issues discovered during construction that require attention. Accordingly, we will coordinate with the VTrans MAB Representative, MPM, and designer on any design related issues that arise and follow through on the appropriate resolution of the issues. We are of the opinion that for a project to be successful, a complete team approach must be utilized throughout the project duration that includes the close coordination between the VTrans personnel, the design engineer, the MPM, the contractor, the inspection and testing team, and stakeholders impacted by the work. We will also coordinate with the contractor and MPM to assure all Equal Employment Opportunity and Wage Rate requirements have been met.

Traffic Control

We will work closely with the contractor to ensure that proper traffic control techniques are implemented for both vehicular and pedestrian traffic in accordance with the project plans. This will include sidewalk and lane closures, diversions, and detours. We have recently supervised projects within the Five Corners and Pearl Street area of Essex Junction, Taft Corners Area / VT Route 2A area in Williston, Route 2 in South Burlington, Route 7 in Milton, Route 15 in Jericho, and Route 104 in Fairfax. We are very familiar with work in high traffic areas. We recently provided construction inspection services for the Pearl Street



Redevelopment project in Essex Junction immediately in front of the Champlain Valley Exposition, which required diligent traffic control coordination to maintain safe and efficient vehicular and pedestrian traffic flow during Exposition events. We provided construction supervision of the Colchester Campus Connector roadway project located in and adjacent to VT Route 15 between Saint Michael's College and Fort Ethan Allen. More recently, our team provided Resident Engineer Services for the Williston Road Third Lane Project in South Burlington. Our team maintained constant communication with the hospital, UVM Campus, local businesses, and emergency services which led to the successful completion of the project while maintaining



fluid traffic flow through this heavily trafficked area. We are very experienced with the traffic issues that can arise in work zones heavily traveled by vehicles and pedestrians. We also supervised night construction on each of the above-mentioned projects and are aware of special issues that must be addressed during night work. Daily reports will note work zone safety and traffic control measures each day. This will include a description of the effectiveness of traffic control and necessary modifications. These daily notations will be used in the preparation of a summary report of the traffic management program monitoring and findings.

Project Layout Assistance/Checking

In addition to our inspection team members being capable of construction level survey tasks, such as measurement of grades and other field measurements, we maintain a full-service survey department at our firm, led by a Vermont Licensed Surveyor. Our survey crew will be available to install control points, verify vertical and horizontal control and provide assistance and confirmation of project layout work if needed.

Erosion Prevention & Sediment Control

As the Resident Engineer, we will serve as the on-site plan coordinator responsible for ensuring proper implementation of Erosion Prevention and Sediment Control measures as required by the respective permits. Our services as the on-site plan coordinator will include the following:

- Inspection of best management practices in accordance with the Low Risk Handbook for Erosion Prevention and Sediment Control, Vermont Erosion Prevention and Sediment Control Field Guide, and/or the Vermont Standard Specifications for Erosion Prevention and Sediment Control.
- Preparation of inspection reports on a standardized form and supplemented with photo attachments.
- Monitoring and documentation of required maintenance to best management practices.
- Documentation of discharges of visibly discolored stormwater from the construction site and corrective action as necessary, including the preparation and submission of a discharge report.
- Coordination with the contractor, MPM, and designer to ensure compliance with the permits.



Job Meeting Attendance

We will attend all job-related meetings after the bid opening. In addition to general project discussions, such as schedules, etc., we will take these opportunities to discuss specific areas of concern with the contractor and/or the MPM. We will request that affected parties attend the meeting as appropriate in order to assure satisfactory resolution of project related issues. We will document topics of discussions and decisions reached regarding actions to be taken in meeting minutes that we will prepare.



Change Orders and Payment Requests

Prior to processing change orders, we will determine if a change order is truly warranted or if the change requested by the contractor is covered within the contract scope. Should a change order be warranted, we will prepare and process necessary change orders to the contract. We will review payment requests from the contractor on a bi-weekly basis and confirm quantities requested for payment have been installed before submitting to the MPM with a recommendation for payment.

Punchlist Inspection & Certificate of Substantial Completion

We will perform the punchlist inspection and prepare a list of items requiring attention under direct supervision of the MPM, Owner, and VTrans MAB Representative. At the appropriate time, we will prepare and forward a Certificate of Substantial Completion to the MPM.

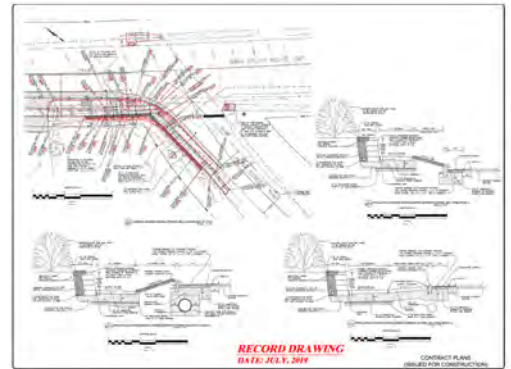
Final Inspection and Payment

We will monitor the punchlist inspection items and note when each individual item has been completed until all of the items have been addressed. We will calculate and verify the final contract quantities and confirm that all final quantities have been paid. This will include generating all of the documentation pertaining to final quantities and extension of time, processing paperwork related to the final estimate, and the routing of the final estimate.



Record Drawing Plans and Certification

We will develop a final set of record drawings for the project construction based on our field observations, notes, tracking of utility relocation, and documentation of final facility locations. These drawings will document the final location of project elements, and ties if appropriate. Upon completion, the information will be provided to the MPM, Owner, VTrans MAB Representative, and/or Design Engineer. At the completion of the project we will provide certification documents to the MPM and VTrans MAB Representative related to project completion in accordance with contract plans and specifications, including approved revisions, and that necessary contract provisions were adhered to. If issued permits require specific certification text, we will provide letters of certification for the work completed in accordance with the permits. We will also prepare a summary report of the traffic management program monitoring and findings.



Ability to Meet Schedules

Our team approach will allow us to meet schedules and budgets, while contributing to a successful project. Our team approach is aided by the following:

- ✓ **Having served municipalities from multiple vantage points, our team knows first-hand how to avoid common frustrations, which increase project longevity and cost.**
- ✓ **A close working relationship with regulatory staff at agencies such as Army Corps of Engineers, Vermont ANR, and VTrans.**
- ✓ **A project approach that includes a simplistic and continuous path of communication which enables the municipality to reach informed, fact-based decisions to move the project forward.**



TESTIMONIALS

“Wow! What a neat project that we can both drive by each day and be proud of. A win-win for the Champlain Valley Exposition and the Village of Essex Junction. Congratulations to you and your firm for pulling all the pieces together.”

- Mr. David Grimm, CFE, Former General Manager of the Champlain Valley Exposition

“The Village of Essex Junction has been the recipient of high-quality engineering services from all of your staff, in particular from Steve Lizewski, during this year of persistent challenge. Through all of these challenges, Steve has risen above the fray to bring projects back on track and provide the quality installation that developers agreed to provide. On top of that, he has been available morning, noon, and night to get the job done for us. Try as they may, contractors have not slipped anything by Steve. His keen eye, analytical ability, and solid people skills have helped maintain high quality control of installations in the Village right of way. We simply wanted to let you know how much we appreciate Steve's services.”

- James L. Jutras, WWTF Director, and Ricky V. Jones, Public Works Director, Village of Essex Junction

“This is just a quick note to thank Ben Heath for his communication and explanation of the construction project along the way. Also, thank you, Ben, for your patience as we asked questions and gave opinions/input on things. I know from experience it isn't easy working in customer service, and I can't imagine your job is easy as you explain these projects to people and try to convince them that tearing everything apart will result in something much better. But you seem to navigate it pretty well!”

- Raechel McLeod, Village of Essex Junction Resident

“Tatro Construction, Inc. has worked with Hamlin Consulting Engineers on numerous projects over the years. I have personally known Rick for approximately 20 years. We have found their designs are based on sound engineering principles. Their plans and specifications are easy to understand. That being said, Rick and his staff always have an eye on constructability! This directly correlates to smoother construction phase. I wholeheartedly recommend Rick and his staff. They put the “professional” in Professional Engineers.”

- Marshall Leonard, P.E., General Manager, G.W. Tatro Construction, Inc.

“Donald L Hamlin Consulting Engineers, Inc. and specifically, Resident Engineer Jeremy Dean, provided excellent, thoroughly professional Construction Inspection services for the Town of Fairfax on the a Fairfax STP EH 12(8) project. As the Municipal Representative, I felt fully informed on daily progress, and was comfortable that our interests were consistently attended to by Jeremy. I would strongly recommend them to municipalities working on projects with a similar scope.”

- Brad Docheff, Town Manager, Town of Fairfax

“I was extremely impressed with Jeremy Dean's performance this summer on our two sidewalk projects. Jeremy showed a great amount of poise and competence – especially given his age. Additionally, Ben Heath was the right man for the job; we're pleased to have selected this firm using the VTrans At-The-Ready roster for this project with Ben as the Project Manager and Jeremy as the Resident Engineer.”

- Joe Colangelo, Town Manager, Town of Shelburne



c. CONSTRUCTION INSPECTION SERVICES



OVERVIEW of the FIRM'S EXPERIENCE

Donald L. Hamlin Consulting Engineers, Inc. has broad and diverse experience in all phases of civil and construction engineering. Projects have embraced virtually every phase of development from engineering and feasibility reports to final design, permitting, and construction phase support. The firm has developed expertise in the VTrans MAB process through our long history of providing construction inspection services on a multitude of MAB funded projects. The same inspection team we propose to utilize have recently completed construction inspection and testing services on the [Pearl Street STP 5300\(11\) & STP 5300\(12\)](#), [Colchester Campus Connector- TCSP TCSE \(007\)](#), [Jericho STP BP14\(2\)](#), [Colchester STP SDWK\(20\)](#), [Vergennes STP BP15\(6\)](#), [Shelburne STP BP14\(5\) & STP SDWK\(24\)](#), [Essex Junction STP SDWK\(14\) & STP EH12\(12\)](#), [South Burlington STP 5200\(18\)](#), [Jericho STP SDWK\(2\)](#), [Milton STP BP13\(3\)](#), [Essex Junction STP SDWK\(17\) & TAP TA13\(6\)](#), [Essex Junction STP5300\(14\)](#), [Colchester STP SDWK \(16\)/TAP TA13\(5\)/STP BP15\(4\)](#), [Fairfax STP EH 12\(8\)](#), [Milton STP BP 16\(10\)](#), [Hinesburg STP BIKE \(54\)](#); and numerous large redevelopment projects located in the heart of the Village of Essex Junction and the Town of Milton.

SPECIFIC PROJECT EXPERIENCE

Fairfax STP EH12(8), Fairfax, Vermont
Contact: Mr. Brad Docheff, Town Manager
12 Buck Hollow Road, Fairfax, VT 05454
townmanager@fairfax-vt.gov; (802) 849-6111

Our firm was selected by the Town of Fairfax using the VTrans "At-The-Ready" roster program to provide Resident Engineering services for the Fairfax STP EH12(8) Pedestrian Improvements Project. The project included new 5' wide concrete sidewalks, stormwater improvements, waterline improvements, retaining walls and new granite curbing. Resident Engineering, Construction Inspection, and Testing Services for the Project was performed in accordance with the VTrans Municipal Assistance Bureau. Our firm served as the main contact representing the Town of Fairfax responsible for construction inspection and testing services to ensure the project was completed in accordance with approved plans and specifications.



Essex Junction STP SDWK(14) Lincoln Street Sidewalk and Lighting Improvements, Essex Junction, VT
Contact: Ms. Robin Pierce, Village of Essex Junction
2 Lincoln Street, Essex Junction, VT 05452
robin@essexjunction.org; (802) 878-6950

Our firm provided Resident Engineering, Construction Inspection, and Testing Services for the Lincoln Street Sidewalk and Lighting Improvements Project developed through the VTrans Local Transportation Facilities program. We served as the main contact representing the Village of Essex Junction responsible for construction inspection and testing services to ensure the project was completed in accordance with the approved plans and specifications. The project included cement concrete sidewalks, stamped concrete medians, curb ramps with detectable warnings, detectable warning surfaces, lighting and associated landscaping and drainage improvements to the project area.



Jericho Sidewalk Project STP SDWK(2), Jericho, Vermont

Contact: Mr. Todd Odit, Town Administrator
PO Box 39, Jericho, VT 05465
todit@jerichovt.gov; (802) 899-9970

Our firm provided Resident Engineering, Construction Inspection, and Testing Services for the Jericho Sidewalk Project developed through the VTrans Local Transportation Facilities program. We served as the main contact representing the Town of Jericho responsible for construction inspection and testing services to ensure the project was completed in accordance with the approved plans and specifications. The project included bituminous concrete and cement concrete sidewalks, curb ramps with detectable warnings, detectable warning surfaces, and associated landscaping and drainage improvements to the project area.



Vergennes STP BP15(6), Vergennes, VT

Contact: Mr. David Crawford, Project Manager
Concord Street, South Burlington, VT 05403
dacs4040@gmail.com; (802) 881-9599

Our firm was selected by the City of Vergennes using the VTrans “At-The-Ready” roster program to provide Resident Engineering services for the Vergennes STP BP15(6) Pedestrian Improvements Project. The project included new 5’ wide concrete sidewalks, stormwater improvements, and new Rapid Rectangular Flashing Beacon crosswalks. Resident Engineering, Construction Inspection, and Testing Services for the Project was performed in accordance with the VTrans Municipal Assistance Bureau. Our firm served as the main contact representing the City of Vergennes responsible for construction inspection and testing services to ensure the project was completed in accordance with the approved plans and specifications.



Shelburne STP BP14(5) & STP SDWK(24), Town of Shelburne

Contact: Mr. Sai Sarepalli, Transportation Planning Engineer, CCRPC
110 West Canal Street, Suite 202, Winooski, VT 05404
ssarepalli@ccrpcvt.org; (802) 849-4490

Our firm was selected by the Town of Shelburne using the VTrans “At-The-Ready” roster program to provide Resident Engineering services for the Shelburne STP BP14(5) & STP SDWK(24) Pedestrian Improvements Project. The project included new 5’ wide concrete sidewalk, drainage improvements, signing, striping, crosswalks, and landscaping. Resident Engineering, Construction Inspection, and Testing Services for the Project was performed in accordance with the VTrans Municipal Assistance Bureau. Our firm served as the single point of contact representing the Town of Shelburne responsible for construction inspection and testing services to ensure the project was completed in accordance with the approved plans and specifications. Our firm coordinated with local emergency response units, state highway department, the Town, local businesses and residents to ensure that the project was completed efficiently with minimal impact.



VEJ Five Corners STP 5300(9), Essex Junction, Vermont

Contact: Ms. Robin Pierce, Village of Essex Junction
2 Lincoln Street, Essex Junction, VT 05452
robin@essexjunction.org; (802) 878-6950

Our firm provided Resident Engineering services for this LTF funded project that included improvements to every approach leg of one of the busiest intersections in Vermont. These improvements included waterline replacement, new curbing, sidewalk, lighting, signals, signage, and repaving the intersection. We prepared photorealistic images of the appearance of the Five Corners intersection with mast arm traffic signals and revised streetscape, which became the basis for the design by others of the comprehensive streetscape and lighting improvement project.



City of South Burlington STP 5200(18) US Route 2 Third Lane/I-89 Exit 14, South Burlington, VT

Contact: Mr. Justin Rabidoux-City Engineer, City of South Burlington
104 Landfill Road, South Burlington, VT 05403
[jrabadoux@s Burlington.com](mailto:jrabidoux@s Burlington.com); (802) 658-7961

Our firm provided Resident Engineering services for the improvements to US Route 2 in South Burlington between Exit 14 and the US 2/Spear Street/East Avenue intersection. This portion of US Route 2 is a principal urban arterial that consisted of 6-7 travel lanes and provides a vital link between i-89 at Exit 14 and points eastward with downtown Burlington, The University of Vermont, The University of Vermont Medical Center, and Champlain College. The project design added a third eastbound travel lane by widening the roadway approximately 16' which allowed for improvements to vehicular, pedestrian and bicycle traffic, and public transportation. Our firm conducted complete shop drawing review, daily inspection documentation, directed traffic control measures, measured and documented construction pay quantities, and coordinated all communication between the contractor, City of South Burlington, VTrans, and abutting property owners.



Pearl Street Improvements STP 5300(11), Essex Junction, Vermont

Contact: Mr. Ricky V. Jones, Public Works Superintendent, Village of Essex Junction
2 Lincoln St., Essex Junction, VT 05452
rick@essexjunction.org; (802) 878-6948

DLHCE served as the Resident Engineer, performed the scoping study, and prepared conceptual plans, cross section plans, and 3D models of proposed streetscape improvements for a portion of Pearl Street that includes the CVE frontage. These models became the basis for the design of comprehensive streetscape improvements along this portion of Route 15. The project included new curbing, sidewalks, lighting, fencing, and new entrance building for the CVE pedestrian gate, new signage, reconstruction of the CVE main vehicle entrance, landscaping, and pavement overlay and striping.



Colchester Campus Connector Project TCSP TCSE (007), Colchester, VT

Contact: Mr. Bryan Osborne, Town of Colchester
781 Blakely Road, Colchester, VT 05446
bosborne@colchestervt.gov; (802) 264-5625

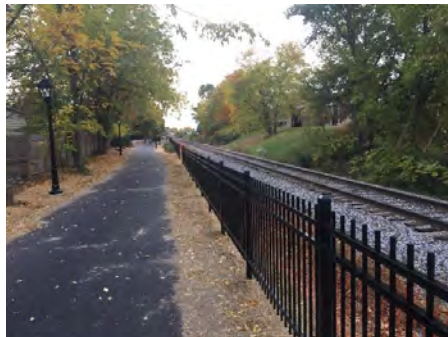
Resident Engineering, Construction Inspection, and Testing Services for the Colchester Campus Connector Project developed through the VTrans Local Transportation Facilities program. We served as the main contact representing the Town of Colchester responsible for construction inspection and testing services to ensure the project was completed in accordance with the approved plans and specifications. Project involved the realignment of the Johnson Avenue intersection with Route 15, elimination of the Johnson Avenue "slip-lane" onto Route 15, the reconstruction and extension of Johnson Avenue to link with a reconfigured entrance to Camp Johnson, and further continuation to connect with Winchester Avenue and Fort Ethan Allen.



STP SDWK(17) & TAP TA13(6) Essex Junction Multi-Use Path, Essex Junction, VT

Contact: Ms. Robin Pierce, Village of Essex Junction
2 Lincoln Street, Essex Junction, VT 05452
robin@essexjunction.org; (802) 878-6950

Resident Engineering, Construction Inspection, and Testing Services for the Essex Junction Multi-Use Path Project developed through the VTrans Municipal Assistance Bureau program. We served as the main contact representing the Village of Essex Junction responsible for Resident Engineering services to ensure the project was completed in accordance with the approved plans and specifications. The project included a 10' wide paved multi-use path, fencing, retaining walls, drainage, lighting, and landscaping. The project included communication and access permits with the New England Central Railroad as the project was located adjacent to the railroad right of way.



Summit Street Roadway Reconstruction, Essex Junction, Vermont

Contact: Mr. Ricky V. Jones, Public Works Superintendent, Village of Essex Junction
2 Lincoln St., Essex Junction, VT 05452
rick@essexjunction.org; (802) 878-6948

Complete project management services, survey, engineering design, bidding, and resident engineering services related to the full reconstruction of the roadway, curbing, and sidewalks along Summit Street in the Village of Essex Junction from Pearl Street to Prospect Street. The project also included the replacement of the existing waterline. Project design included coordination between the new sidewalk and existing residential driveways along the roadway with significant pedestrian traffic associated with the Summit Street Elementary School. Unique aspects of the project design involved the use of innovative roadway reconstruction techniques utilizing foam insulation for roadway stabilization over poorly drained frost susceptible soils.



Colchester STP SDWK(20) Colchester Mountain View Drive Sidewalk, Colchester, VT

Contact: Mr. Warner C. Rackley, P.E., Town of Colchester
781 Blakely Road, Colchester, VT 05446
wrackley@colchestervt.gov; (802) 264-5635

Our firm was selected by the Town of Colchester using the VTrans “At-The-Ready” roster program to provide Resident Engineering services for the Colchester Mountain View Drive Sidewalk Project. Our firm served as the main contact representing the Town of Colchester responsible for construction inspection and testing services to ensure the project was completed in accordance with the approved plans, specifications, and MAB Guidebook. The project included approximately 2,000 linear feet of cement concrete sidewalks, handicap ramps, utility relocation, Rapid Rectangular Flashing Beacon Crossings, and associated landscaping and drainage improvements. Our team coordinated and chaired the pre-construction conference. During construction we maintained photographic record of the progress of construction and ensured the contractor was in compliance with all construction contract requirements, permits, and ordinances. We inspected and approved material sources, recorded material certifications, and reviewed all traffic control configurations. Our firm prepared a number of “Request For Information” documents requesting changes be made to the design plans by the Design Engineer as problems were found in the field by our staff prior to the contractor building the flawed plan. Our firm reviewed all payment requests, prepared recommendation of payment, coordinated and chaired the Final Inspection, and confirmed punchlist items were completed by the contractor.



McMullen Road Sidewalk STP BP 13(3), Town of Milton

Contact: Mr. Eric Gallas, Town of Milton Public Works
43 Bombardier Road, Milton, VT 05468
egallas@miltonvt.gov; (802) 893-6030

Our firm provided Resident Engineering, Construction Inspection, and Testing Services for the McMullen Road Sidewalk Project developed through the VTrans Municipal Assistance Bureau. Served as the main contact representing the Town of Milton responsible for construction inspection and testing services to ensure the project was completed in accordance with the approved plans and specifications. The project included 4,000 lf of cement concrete sidewalks, handicap ramps, utility relocation, waterline relocation, and associated landscaping and drainage improvements to the project area. Our Resident Engineering Team also prepared plans for additional work on the project including a new pedestrian crosswalk and a new stormwater infiltration system at the low point of the project site.



Main Street Drainage Enclosure Project, Essex Junction, Vermont

Contact: Mr. Ricky V. Jones, Public Works Superintendent, Village of Essex Junction
2 Lincoln St., Essex Junction, VT 05452
rick@essexjunction.org; (802) 878-6948

Our firm provided complete land surveying, design engineering, bidding phase, and resident engineering services for the Main Street Drainage Enclosure Project. This project included the enclosure of an existing roadside ditch, the installation of concrete curbing, new 4 foot striped bicycle lanes, and the installation of new drainage pipe and stormwater structures. The existing roadside ditch required constant maintenance from public works due to steep grades and a large drainage area contributing to the ditch. Also, the existing ditch was conveyed through numerous driveways via culverts which were routinely found in disrepair due to the high velocity and volume of the stormwater in this area. Along with the bicycle lane extension, and the stormwater improvements, our firm provided engineering design for three gravity retaining walls along Main Street to allow the installation of a future concrete sidewalk system.



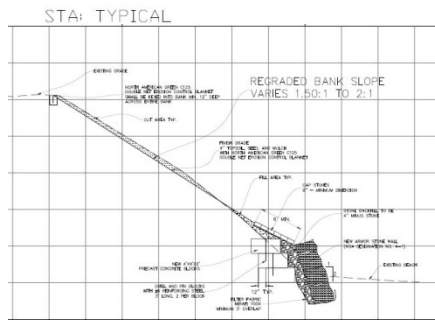
Campus Loop Road, Saint Michael's College
Contact: Mr. Joel Ribout, AIA, Saint Michael's College
One Winooski Park, Colchester, Vermont 05446
jribout@smcvt.edu; (802) 654-2365

DLHCE provided complete survey, engineering design, bidding, and resident engineering services related to the full construction of the roadway, curbing, and lighting of the Campus Loop Road at Saint Michael's College. The new 24' wide, 700' long roadway serves to connect the existing roadways within the campus to allow travel throughout the campus from more than one entry point.



East Lakeshore Drive Embankment Repairs, Town of Colchester
Contact: Mr. Bryan Osborne, Town of Colchester
781 Blakely Road, Colchester, VT 05446
bosborne@colchestervt.gov; (802) 264-5625

DLHCE provided conceptual design, preliminary design, contract plans, bidding services, and resident engineering services for the embankment repair on East Lakeshore Drive in Colchester, Vermont. Damages from Hurricane Irene caused shoreline erosion and slope failure on a 300 l.f. long, 25 foot high embankment which provides support to East Lakeshore Drive between Lake Champlain. A fast-tracked design schedule, coupled with construction coordination with abutting neighbors, erosion prevention and sediment control practices, diligent traffic control, and knowledge of construction within and adjacent to Lake Champlain led to the successful completion of this project on time and within budget.



Algonquin Avenue Roadway Reconstruction and Waterline Replacement
Contact: Mr. Ricky V. Jones, Public Works Superintendent, Village of Essex Junction
2 Lincoln St., Essex Junction, VT 05452
rick@essexjunction.org; (802) 878-6948

Complete survey, engineering design, bidding, and resident engineering services related to the full reconstruction of the roadway along Algonquin in the Village of Essex Junction. The project also included the replacement of the existing waterline. Unique aspects of the project design involved the use of innovative roadway reconstruction techniques utilizing foam insulation for roadway stabilization over poorly drained frost susceptible soils.



Mount Mansfield Down Mountain Sewer System, Stowe Mountain Resort

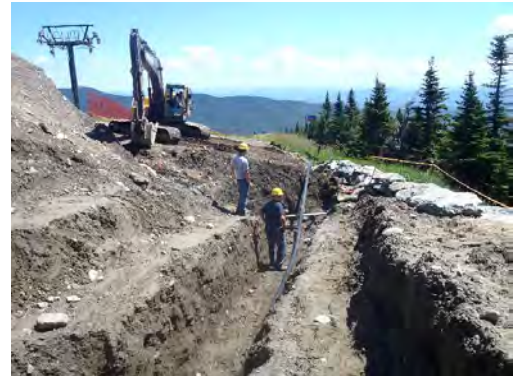
Contact: Mr. John Schnee

VR US Holdings II, LLC

5781 Mountain Road, Stowe, Vermont 0567

jshnee@vailresorts.com; (802) 793-9085

Our firm provided complete engineering design, permitting, construction inspection, and certifications for an innovative 24,000 feet sewer pipeline system which connected two existing restaurants on the top of Mount Mansfield to the municipal sewer system at the base. The sewer system included the use of siphons, appropriate venting, and HDPE forcemain piping from the top of Vermont's highest peak to the bottom of the mountain connecting this system to the existing municipal sewer systems. These systems were designed, permitted, and constructed in two months.



Village Engineer, Village of Essex Junction, VT

Contact: Mr. Ricky V. Jones, Public Works Superintendent, Village of Essex Junction

2 Lincoln St., Essex Junction, VT 05452

rick@essexjunction.org; (802) 878-6948

Our firm was selected to be the Village Engineer for the Village of Essex Junction in 1996. We have been re-selected by the Trustees each year since then to provide this comprehensive service. Beyond scoping studies, traffic studies, survey, design, permitting assistance, and inspection services, for the past 20 years we have provided project management services and asset management for virtually all of the development within the Village to ensure that the scope, administrative responsibilities, livability, and durability of the final products are in conformance with the Public Works Standards, Land Development Code, and affected landowners concerns. Projects have ranged from single residences to large single and multi-family residential developments and complex traffic infrastructure improvements. Our firm has created and regularly updates street and utility mapping, which provide complete inventory information for all of the streets, sanitary sewer system, water and hydrant system, and stormwater system for the entire Village. Our firm has led the effort to produce and coordinate the Capital Budget by providing a comprehensive Capital Improvements estimate database. Our firm's deep history with this municipality helps guide our project management process to avoid potential pitfalls and use our experience to

ensure projects stay within budget and on schedule. Our service as Village Engineer has also included constant communication with the residents. We have lead public concerns meetings, project presentations, and have participated in Village Trustee meetings for the past 20 years. Our long-term experience and relationship with this municipality has led to the successful completion of construction projects for many other clients; and our relationship with the State will be no different.



PROJECT TEAM KEY PERSONNEL

We propose a team approach to this project as we know that to provide complete coverage of a project over the projected construction duration will require both primary and back-up inspection staff. By providing several layers of inspection personnel and staff we may also provide inspection services in a more cost-effective manner. All our team members are prepared to provide inspection coverage day or night, seven days per week as required by the construction schedule. All our inspection team members are supplied with appropriate VOSHA required personal protective equipment, including headgear, footwear, and reflectorized clothing for use while on the project site. In addition, our personnel are equipped with all necessary equipment, tools, and supplies to fulfill their inspection duties.

Jeffrey P. Kershner, P.E., will serve as the Principal Engineer and will be responsible for quality assurance and quality control. Jeff will also oversee employee performance and conduct. During his studies at the University of Vermont, Jeff worked at the firm as an engineering intern until graduating cum laude in 1993 with a Bachelor of Science degree in Civil Engineering. Jeff is currently the firm's President and Project Manager for traffic, site development, and stormwater drainage projects. He has performed engineering design and permitting assistance for numerous roadway, drainage, and erosion prevention and sediment control projects. He has utilized innovative surface treatments such as recycled bituminous concrete and pervious cement concrete pavement on his projects involving roads and/or paths. He has performed inspection work for numerous projects and attended numerous courses in traffic and transportation engineering, include the Econolite, "Fundamentals of Traffic Control" offered by Econolite Control Products, Inc. In-depth knowledge of stormwater permitting often has a positive impact on project design and related costs. Jeffrey is very familiar with the current operational and construction stormwater permitting regulations in the State. He was the Project Manager for four site development projects involving the issuance of four Individual Construction Discharge Permits in the Potash Brook watershed in South Burlington in accordance with the National Pollution Discharge Elimination System. He served as the Environmental Specialist required by those permits and was responsible for regular inspections, documentation, and reporting to the State Agency of Natural Resources.



32 Years
With Firm

Benjamin D. Heath, P.E., our firm's Vice President, will serve as a Project Manager and single point of contact for the duration of selected projects. Ben has provided design engineering, scoping study assistance, municipal project management, and resident engineering services on pedestrian and shared use path projects administered with state and federal funding for over 13 years. Ben's in-depth knowledge and experience with scoping, design, right of way, contractor procurement, and construction process will serve to streamline preconstruction and construction processes. Ben is a Licensed Professional Engineer in the States Vermont, New Hampshire, New York, and North Carolina. Ben is also a Certified Professional in Erosion and Sediment Control, Certified Pollution Abatement Facility Operator, and Certified Stormwater Inspector. During his work at the firm, Ben has been involved in the design and construction supervision of several roadway, waterline, sewer, and pedestrian facilities projects as well as several stormwater and erosion prevention and sediment control projects. Ben is uniquely qualified to provide Resident Engineering services for VTrans Municipal Assistance Bureau projects as **Ben has served in every project personnel role in the VTrans MAB project development process.** Having served as the Municipal Project Manager, lead design engineer, and resident engineer on numerous VTrans administered projects, Ben understands the key steps to successful completion of a project and can direct the critical path scheduling of a project to ensure that it is completed on time and on budget. Recently Ben served, or is currently serving, as the Municipal Project Manager for the Milton STP BP16(10) Route 7 Sidewalk Gap Project, Design Engineer for the Smugglers Notch Wetland Boardwalk Project Stowe STP0235(20), and Resident Engineer for the Town of Colchester West Lakeshore Drive Shared Use Path Project Colchester STP SDWK(16) & TAP13(5).



13 Years
With Firm



Richard F. Hamlin, P.E., will serve as the Construction Inspection Manager to provide technical oversight and quality control related to services the firm provides throughout the contract. Richard is a 1979 graduate of Norwich University who started his engineering career as an inspector on several waterline projects as an intern in college. After working for the Corps of Engineers in northern Europe, he returned to Vermont to serve as a Resident Engineer, supervising 8 other inspectors on a two year long municipal sewer project that included work within state highways and deep construction adjacent to live streams. Other projects for which he has provided inspection services include 24,000 feet of sewer pipeline installed on Mount Mansfield to serve two existing restaurants, the connection of several Mount Mansfield Company sewer collection systems to the municipal sewer system and numerous regulatory and certification inspections as described previously. Richard has served as the single point contact and Principal Engineer for the Village of Essex Junction, Village Engineer, throughout the last 20 years. During this time, Richard has provided complete engineering design, project management, asset management, capital budget planning, utility map preparation, emergency flooding assistance, and construction phase services on a continuous on-call basis. In addition to the engineering service, Richard also served on the Village of Essex Junction Capital Committee and on the Bike/Walk Advisory Committee.



38 Years
With Firm

Stephen O. Lizewski, our firm's Chief of Field Operations, will serve as the Primary Resident Engineer providing project management and oversight of the inspection services for the construction project. Stephen worked prior to college as a construction laborer and after college as a Foreman for a construction crew doing pipeline and public infrastructure improvements, making him extremely comfortable in a construction setting. This provides him with great understanding of the construction process from the viewpoint of the contractor and inspector. Stephen is highly experienced with plan and specification interpretation, performance testing, VTrans Standard Specifications for Construction and VTrans pay item categories, construction level survey, and traffic control requirements necessary to maintain a safe work zone for the Contractor's personnel, motorists and pedestrians. Stephen's active construction supervision methods keep him intimately involved in the project and proves to be an asset to any construction project. Our firm provides inspection services for virtually every project constructed in the Village of Essex Junction Right of Way, and Stephen fills the role of primary Resident Engineer in this regard. He served as the Resident Engineer for the downtown redevelopment projects completed on Railroad Avenue and a portion of Main Street adjacent to the Five Corners, the recent Five Corners Redevelopment Project, and the Pearl Street Redevelopment Project. Stephen served as the Resident Engineer and leader of our inspection team on the Federally funded Colchester Campus Connector TCSP TCSE (007) Project, City of South Burlington STP 5200(18), Jericho STP BP14(2) Project, Essex Junction STP SDWK(17) & TAP TA13(6), Essex Junction STP5300(11), Essex Junction STP SDWK(14), Vergennes STP BP15(6), and Hinesburg STP BIKE (54).



32 Years
With Firm

Jeremy Dean, E.I., may serve as Resident Engineer, construction inspector, and/or assistant to the Resident Engineer on selected projects. Jeremy is a graduate from the University of Maine, Orono with a Bachelor of Science in Civil and Environmental Engineering. Jeremy recently served as the Resident Engineer and provided construction inspection services on multiple projects that have been developed through the VTrans Municipal Assistance Bureau including the Milton STP BP13(3), Shelburne STP BP14(5) and STP SDWK(24), Fairfax STP EH12(8), Colchester STP SDWK (16)/TAP TA13(5)/STP BP15(4) Pedestrian Improvement Project, and Milton STP BP16(10). Jeremy's well-rounded construction experience makes his presence on the job site valuable to the Municipality, VTrans, Contractor, and the traveling public. Jeremy is experienced with plan and specification interpretation, performance testing, VTrans Standard Specifications for Construction and VTrans pay item categories, construction level survey, and traffic control requirements necessary to maintain a safe work zone for the Contractor's personnel, motorists and pedestrians. Jeremy maintains constant communication with abutting landowners, local businesses, emergency services, VTrans, and the Municipalities during construction projects which helps to minimize frustrations due to the construction activities.



7 Years
With Firm



Michael R. Magoon, L.S., our firm's Chief of Survey, will provide technical assistance with an additional focus on survey services, including topographic survey, right-of-way analysis, boundary location, abstract of title, and layout of construction control. Michael is uniquely qualified to provide these types of services to support the design process. Michael is a Vermont Licensed Surveyor and is experienced in both record research and field operations. Michael is highly sought for his expertise in unraveling difficult and complicated right-of-way determinations and boundary disputes; and has provided his services to many private and municipal clients. Michael has also provided expert testimony when these disputes have gone to litigation. In addition to his boundary and right-of-way research expertise, Michael is extremely skilled at high precision fieldwork for both boundary and construction control. His experience as a Grade Foreman, Resident Engineer, and Survey Crew Chief make him uniquely qualified in the design and construction realm.



36 Years
With Firm

Ryan A. Ward, L.S., will provide construction inspection and technical assistance with an additional focus on survey services, including verifying construction layout performed by the contractor. Ryan is a 2005 graduate of the University of Vermont with a Bachelor of Science in Civil Engineering. He is a Vermont Licensed Land Surveyor who joined our team in the fall of 2019. Ryan's experience includes performing field measurements for topographic, engineering, boundary, and ALTA surveys. His experience also includes boundary calculations and analysis, determining road and highway right of way limits and performing detailed record/title research. He has worked on numerous ALTA/NSPS Land Title and As-Built surveys for the construction of solar generating facilities throughout the State of Vermont.



1 Year
With Firm

Mark L. Downing, CPESC will provide construction inspection and permit/contract document compliance services. Mark is a 2005 graduate of Vermont Technical College, a Certified Professional in Erosion and Sediment Control, Class A Licensed Designer, and a NPDES NSC Certified Stormwater Inspector. Mark joined DLHCE as an intern while he was in high school. Mark has served as a construction inspector on numerous projects since his graduation and during summers when he served as an intern with our firm. He is experienced with interpreting plans and specifications as well as the observation of pipe and structure testing. Mark served as the Primary Inspector and On-Site Plan Coordinator for the 334-residential unit South Village development located in South Burlington. We were awarded this project based on a qualification-based selection to represent the City of South Burlington to assure compliance with the approved plans and specifications. Mark was responsible for observing installation of municipal utilities, roadways, sidewalks, and curbing, observation of testing, preparation of inspection reports and documentation of project progress, and performing On-Site Plan Coordinator duties in accordance with the Individual Construction Discharge Permit. Most recently, Mark provided full time inspection services on the Jericho STP SDWK(2) Project and part time inspection services on the Essex STP SDWK (14) Project.



18 Years
With Firm

Barry F. Driscoll, will provide construction inspection and technical assistance with an additional focus on survey services, including verifying construction layout performed by the contractor. Barry began land surveying in north central Massachusetts, performing primarily on large residential and commercial subdivision pre- and post-design phase survey work, in addition to boundary and record surveys. Experience at Vermont engineering firms includes leading terrestrial, geodetic and GPS survey teams performing surveys for residential, municipal, commercial, institutional, public utility and ski area clients. Projects have included extensive title searches and field reconnaissance for bike/pedestrian paths, town line determinations and a variety of urban, rural and mountainous boundary line and topographic surveys. Recently, Barry provided construction inspection services for the Colchester STP SDWK(20) project, Jericho STP BP14(2) VT Route 15 Pedestrian School Crossings project, and the Hinesburg STP Bike(54) project.



12 Years
With Firm



d. RESUMES



JEFFREY P. KERSHNER, P.E.
PRESIDENT

PROJECT RESPONSIBILITY:

Principal Engineer

EDUCATION:

BSCE – University of Vermont - 1993, cum laude

PROFESSIONAL REGISTRATION:

P.E. – State of Vermont, Section I-313 Compliant

P.E. – State of New Hampshire

P.E. – State of Maine

PROFESSIONAL MEMBERSHIPS:

American Society of Civil Engineers

National Society of Professional Engineers

Tau Beta Pi, National Engineering Honor Society

Order of the Engineer, University of Vermont Link

Chi Epsilon, Civil Engineering Honor Society

EXPERIENCE:

September, 1988 - May 1993

Donald L. Hamlin Consulting Engineers, Inc. Served as an Engineering Technician while in pursuit of a degree in civil engineering, working in conjunction with project engineers on a wide variety of projects.

May 1993 – August 2006

Donald L. Hamlin Consulting Engineers, Inc. Joined full time staff as an Engineer working directly under three (3) licensed Professional Engineers.

August 2006 – March 2017

Donald L. Hamlin Consulting Engineers, Inc. Appointed Vice President and Project Manager.

March 2017 – present

Donald L. Hamlin Consulting Engineers, Inc. Appointed President and Principal Engineer.

Specific project experience includes the following:

- **Hinesburg Road Turn Lanes, South Burlington, VT** – Project Manager and Principal Engineer for complete survey and design services for new left and right turn lanes along VT Route 116 at the intersection with Tilley Drive in South Burlington.
- **Colchester Laker Lane, Colchester, VT** – Principal Engineer for the Colchester STP 5600(21) for the design of roadway widening along VT 127 (Blakely Road) to accommodate new left and right turns lanes onto Laker Lane in Colchester, VT.
- **Maple Street Culvert and Waterline Improvements, Essex Junction, VT** – Project Manager and Principal Engineer related to the replacement of an existing 24" diameter corrugated metal storm drainage pipe beneath Maple Street and a portion of the Maple Street Park parking area in Essex Junction.
- **Milton High School Roof Drain Outfall Improvements, Milton, VT** – Project Manager and Principal Engineer for complete design and construction services for the Milton High School Roof Drain Outfall and Stormwater Storage Gallery project in Milton, Vermont. This project was awarded the 2012 **Governor's Award for Environmental Excellence**.
- **Park Street Signal Study, Essex Junction, VT** – Project Manager for traffic engineering services related to the analysis and retiming of existing traffic signals along Park Street in Essex Junction, including the Five Corners intersection.
- **Route 2 & Route 2A Roadway and Intersection Improvements, Williston, VT** – Project Engineer for approximately 1¼ miles of roadway and intersection improvements along Route 2 & 2A in Williston, Vermont. Work included the complete design of 5 new signalized intersections and improvements to 4 existing signalized intersections. Project included full signal coordination of all 9 signalized intersection and associated roadway improvements.
- **Quarry Lane Culvert Replacement, Milton, VT** – Principal Engineer for the replacement of existing undersized and deteriorating culvert piping beneath Quarry Lane in the Town of Milton.

BENJAMIN D. HEATH, P.E.
VICE PRESIDENT

EDUCATION:

- BSCE - University of Vermont - 2010
- BA - University of Vermont - 2010

PROFESSIONAL MEMBERSHIPS:

Chi Epsilon, Civil Engineering Honor Society
Tau Beta Pi, National Engineering Honor Society
Order of the Engineer, University of Vermont Link
American Society of Civil Engineers

PROFESSIONAL REGISTRATION:

- Engineer Intern – State of Vermont-Fall 2009
- Certified Professional in Erosion and Sediment Control-Spring 2011
- Class A Wastewater Designer-Vermont Department of Environmental Conservation-Summer 2011
- Class B Wastewater Designer-Vermont Department of Environmental Conservation-Fall 2011
- State of Vermont Water Supply Designer- Vermont Department of Environmental Conservation-Fall 2012
- Grade 1 Domestic Wastewater Operator-Summer 2014
- State of Vermont Licensed Professional Engineer-Civil-Winter 2014
- Technical Service Provider-United States Department of Agriculture-Spring 2015
- Certified Stormwater Inspector-National Stormwater Center-Spring 2018
- State of New Hampshire Licensed Professional Engineer-Civil-Fall 2018
- State of North Carolina Licensed Professional Engineer-Fall 2018
- State of New York Licensed Professional Engineer-Summer 2019

EXPERIENCE:

May, 2007 - May 2010

Donald L. Hamlin Consulting Engineers, Inc. Served as an Engineering Technician while in pursuit of a degree in civil engineering, working in conjunction with project engineers on a wide variety of projects.

May 2010 – March 2017

Donald L. Hamlin Consulting Engineers, Inc. Appointed Project Engineer working full time directly under two (2) licensed Professional Engineers and one (1) licensed Surveyor.

March 2017- Present

Donald L. Hamlin Consulting Engineers, Inc. Appointed Vice President and Project Manager

Project Manager:

Milton Route 7 Sidewalk Gap Project – Milton STP BP16(10), Milton
Newport Bluffs Multi-Use Trail and Elevated Boardwalk-Vermont Land Trust
Milton Streetscape Improvement Projects, Milton
Everest Road-Roadway Reconstruction, Milton
Sanderson Road- Roadway Reconstruction, Milton
Roadway Resurfacing Projects, FY 16, 17, 18, 19, Milton
Quarry Lane Culvert Replacement, Milton
Munson Hill Road-Roadway Reconstruction, Milton

Design Engineer:

Smuggles Notch Boardwalk Project, Stowe STP 0235(20)-Stowe
Colchester STP 5600(21) Blakely Road / Laker Lane Intersection Project, Colchester
Summit Street Roadway Reconstruction and Waterline Replacement, Essex Junction
School Street Roadway Reconstruction, Essex Junction
Mill Pond Road-Roadway Reconstruction, Colchester
Jericho STP HES 030-1(21)-Traffic Control Plans and EPSC Plans, Jericho
Colchester STP 5600(9)-Traffic Control Plans and EPSC Plans, Colchester
Richmond BF 0284(28)-Traffic Control Plans and EPSC Plans, Richmond

Resident Engineer:

Shelburne STP BP14(5), Route 7 and Falls Road Pedestrian Improvements, Shelburne
Colchester STP SDWK(20) Mountain View Drive Sidewalk Project- Colchester
McMullen Road Sidewalk STP BP 13(3), Milton
Fairfax STP EH12(8)
Hinesburg STP Bike(54)
Jericho STP SDWK(2)

RICHARD F. HAMLIN, P.E.
CHIEF OF ENGINEERING

EDUCATION:

BSCE - Norwich University - 1979

PROFESSIONAL REGISTRATION:

P.E. - State of Vermont, Section I-313 Compliant

P.E. - State of New Hampshire

P.E. - State of Maine

PROFESSIONAL ORGANIZATIONS:

American Society of Civil Engineers - Past President Vermont Section

Vermont Society of Engineers

National Society of Professional Engineers

New England Water Works Association

EXPERIENCE:

Summers of 1976-1978	Donald L. Hamlin Consulting Engineers, Inc.; Rodman - Chainman on various surveys. Construction Inspector on municipal water system improvements.
1979	Surveyor on various water impoundment surveys under contract to the U.S. Army Corps of Engineers in the Indianapolis, Indiana area.
1980	Design Engineer and Construction Inspector for various U.S. Army Facility improvements in Northern portion of West Germany.
1982	Full time staff Donald L. Hamlin Consulting Engineers, Inc.; Survey Party Chief on a variety of boundary and construction surveys. Resident Engineer for \$7 million wastewater collection system. Responsible for inspection and location documentation of over three hundred residential and commercial sewer service installations. Responsible for the design of specialized residential septic systems. Project Engineer on various drainage and road improvement projects. Responsible for the preparation of industrial park feasibility studies.
1986-1993	Donald L. Hamlin Consulting Engineers, Inc., Board of Directors: Corporate responsibilities including employee compensation, technical specifications, and project administration.
1993	Donald L. Hamlin Consulting Engineers, Inc. - Appointed Executive Vice President,
2006	Donald L. Hamlin Consulting Engineers, Inc. - Appointed President and Principal Engineer

Project Experience:

Project Management, Design, and inspection of a variety of projects including a 78-acre mixed commercial, retail, residential development, an innovative sewer system to serve restaurants located on top of the highest mountain in Vermont, and numerous roadway designs which include both pedestrian and bicycle accommodations. Performed design services for the Government of the Virgin Islands related to new roadway alignments through environmentally sensitive areas. Served as the single point contact and Principal Engineer for the Village of Essex Junction, Village Engineer, throughout the last 20 years. During this time, provided complete engineering design, project management, asset management, capital budget planning, utility map preparation, emergency flooding assistance, and construction phase services on a continuous on-call basis. Also serves on the Village of Essex Junction Capital Committee and on the Bike/Walk Advisory Committee.

STEPHEN O. LIZEWSKI
CHIEF OF FIELD OPERATIONS

EDUCATION:

A.C.E. - Vermont Technical College
Vermont Technical College - Continuing Education

EXPERIENCE:

1988-Present **Donald L. Hamlin Consulting Engineers, Inc.,**

Resident Engineering Experience:

- Colchester Campus Connector TCSP TCSE (007) Project
- Essex Junction STP SDWK(17) & TAP TA13(6)
- City of South Burlington STP 5200(18)
- Essex Junction STP SDWK(14) Project
- Streetscape Improvements Project, Pearl Street STP 5300(11) & STP 5300(12) in Essex Junction
- Five Corners Redevelopment Improvements Project, Pearl Street STP 5300 (9) & (10) in Essex Junction
- Five Corners North Storm Drainage Improvements project in the Village of Essex Junction
- Maplewood Lane Roadway Reconstruction project in the Village of Essex Junction
- Cascade Street Reconstruction project in the Village of Essex Junction
- Main Street Multi-Use Path project in the Village of Essex Junction
- Taft Street Reconstruction project in the Village of Essex Junction
- South Street Roadway Improvements project in the Village of Essex Junction
- Marvin Heights Curb and Sidewalk Improvements project in the Village of Essex Junction
- River Street Waterline Replacement project in the Village of Essex Junction
- Abnaki/Algoquin Roadway Reconstruction project in the Village of Essex Junction
- Main Street Sidewalk and Lighting Improvements project in the Village of Essex Junction
- Railroad Avenue Sidewalk and Lighting Improvements project in the Village of Essex Junction
- South Summit Street Roadway and Waterline Improvements project in the Village of Essex Junction
- Prospect Street Sanitary Sewer System Improvements project in the Village of Essex Junction
- Street Drainage Improvements Project in the Village of Essex Junction
- Lincoln Street Drainage Improvements Project in the Village of Essex Junction
- Rivers Edge Apartments Pump Station Replacement for the Winooski Housing Authority, Winooski, VT
- Elm Street Complex Roadway and Sanitary Sewer System Improvements project, Winooski, VT
- Franklin Street Complex Roadway and Sanitary Sewer Systems Improvements project, Winooski, VT
- New Alumni Center project at St. Michael's College
- Emergency Services Building project at St. Michael's College
- New Welcome Center project at St. Michael's College
- Residence Halls #2 and #3 project at St. Michael's College
- New Residence Hall project at St. Michael's College
- Parking Expansion project at the Essex Elementary School in the Town of Essex
- New Superintendents Office and Middle School Expansion at the Essex Middle School
- Bird Roadway Reconstruction Project in the Town of Milton
- Sandhill Road New Waterline project in the Town of Essex
- River Road New Waterline project in the Town of Essex
- Pedestrian Walkway's project at Maple Tree Place
- Green Improvements project at Maple Tree Place
- Primary Site Work project at Maple Tree Place
- Tilley Roadway Phase I project in South Burlington
- Resident Engineer for construction of 2.5 miles of municipal road reconstruction, Glen Road in Newport Vermont, including over 10,000 feet of new municipal waterline, 10,000 feet of new sanitary sewer, and associated storm drainage.

JEREMY L. DEAN, E.I.
PROJECT ENGINEER

EDUCATION:

BSCE - University of Maine, Orono - 2018

PROFESSIONAL MEMBERSHIPS:

American Society of Civil Engineers

PROFESSIONAL REGISTRATION:

Engineer Intern – State of Vermont- Spring 2018

EXPERIENCE:

May, 2013 – June, 2018

Donald L. Hamlin Consulting Engineers, Inc. Served as an Engineering Technician while in pursuit of a degree in civil engineering, working in conjunction with project engineers on a wide variety of projects.

June, 2018 – Present

Donald L. Hamlin Consulting Engineers, Inc. Joined full time staff as a Project Engineer working directly under three (3) licensed Professional Engineers and one (1) licensed Surveyor.

Milton McMullen Road Sidewalk Project STP BP 13(3), Town of Milton

- Resident Engineer for the 4,000 lf cement concrete sidewalk project on McMullen Road in Milton, Vermont. The project was developed through the VTrans Municipal Assistance Bureau program. Represented the Town of Milton and was responsible for construction inspection and testing services to ensure the project was completed in accordance with the approved plans and specifications. The project included cement concrete sidewalks, concrete ramps with detectable warnings, and associated landscaping and drainage improvements to the project area.
- The design plans (prepared by other firm) for the project were determined to be inadequate and the designer provided our office with documentation to field design the improvements. Our team worked with the contractor to determine design grades for the sidewalk and the associated driveway aprons.

Shelburne STP BP14(5) & STP SDWK(24), Town of Shelburne

- Resident Engineer for the Town of Shelburne Route 7 and Falls Road Pedestrian Improvements Project. The project included 5' wide cement concrete sidewalk project along Route 7 in Shelburne, Vermont. The project was developed through the VTrans Municipal Assistance Bureau program. Represented the Town of Shelburne and was responsible for construction inspection and testing services to ensure the project was completed in accordance with the approved plans and specifications. The project included cement concrete sidewalks, concrete ramps with detectable warnings, and associated landscaping and drainage improvements to the project area.

Fairfax STP EH12(8) Pedestrian Facility Improvement Project, Town of Fairfax

- Resident Engineer for the construction of 2,000 lf of concrete sidewalk, curb, drainage improvements, utility relocations, and retaining walls. This project was administered by the VTrans MAB program.

Milton Route 7 Sidewalk Gap Project STP BP16(10)

- Resident Engineer for the construction of two large gabion basket retaining wall systems installed to support Vermont Route 7 and a new sidewalk system on the north side of Route 7.
- Services included material quantity calculation, horizontal and vertical layout of structure, payment request checks, documentation of existing utilities and record drawing survey.

Colchester STP SDWK(16) & TAP TA13(5) & STP BP15(4)- West Lakeshore Drive Shared Use Path

- Resident Engineer for the construction of approximately 4,500 lf 10' wide shared use path, stormwater infrastructure improvements, landscaping, and grading.
- Services included material quantity calculation, horizontal and vertical layout of project alignment and structure locations, payment request checks, processing of multiple change orders, and single point of contact between Town, contractor, residents and utility companies.

MICHAEL R. MAGOON, L.S.
CHIEF OF SURVEYS

EDUCATION:

A.A.S./Paul Smiths College of Arts & Sciences - 1977
Vermont Technical College, University of Vermont
Vermont Society of Land Surveyors Educational Seminars
Massachusetts Association of Land Surveyors and Civil Engineers Seminars

PROFESSIONAL REGISTRATION:

L.S. - State of Vermont License No. 611

EXPERIENCE:

- 1978 Grade Foreman for water, sewer & storm drain projects. Estimated job costs and feasibility. Computed quantities on road excavations and related work in the West Rutland, Vermont area.
- 1979-1980 Instrument-man and Survey Crew Chief on residential subdivisions, roadway, airport (surveys and stakeout) and boundary surveys. Computed calculations for land surveys and construction surveys in the Cottonwood, Arizona area.
- 1980 Survey Crew Chief, residential subdivisions, roadway construction surveys, cross sections, drainage details, centerline stakeout with offsets and slope staking. Computed calculations for land surveys in the Cottonwood, Arizona area.
- 1980-1982 Survey Crew Chief on residential subdivisions and road construction surveys. Computed calculations for land surveys and construction surveys in Sedona, Arizona area.
- 1989-Present Sole Proprietorship of Land Surveying firm (in 1993 began doing business as Land Lines-Surveying and Mapping) providing Land Surveying services throughout the Champlain Valley and adjacent towns in Vermont. Primarily offering consulting on land boundaries, conducting property line retracement surveys, subdivision surveys, land planning consultation, and ancient highway municipal inventory assistance
- 1983-Present **Donald L. Hamlin, Consulting Engineers, Inc.**

Project Field Inspector for municipal wastewater collection systems with extensive qualifications in the installation of pipelines under roadways with the use of jacking and augering procedures. Residential subdivision street construction and reconstruction inspection. Proficient with in-field measurements and calculations to meet design change requirements and/or to adjust to existing conditions. Resident Engineer/Project Field Inspector on municipal sewer collection system where installation of pipelines under and along state highways required extensive traffic control and partial reconstruction of said highway. Inspection of concrete construction such as retaining headwalls and other drainage structures as well as building foundations. Crew Chief and Chief of Parties supervising land boundary surveys from single lot re-monumentation to large subdivision layouts throughout Vermont. Deed research executed in many municipal record holdings as well as quasi-public record abstraction experience, especially in the Chittenden County area. Extensive experience in uncovering and evaluating property line evidence. Engaged in computations to evaluate and calculate all phases of Land Surveying. Map drafting experience in all types of platting.

RYAN A. WARD, L.S.
LICENSED SURVEYOR

PROJECT RESPONSIBILITY:

Licensed Surveyor

EDUCATION:

BSCE – University of Vermont - 2005

PROFESSIONAL REGISTRATION:

L.S. – State of Vermont

PROFESSIONAL MEMBERSHIPS:

Vermont Society of Land Surveyors

EXPERIENCE:

May 2005 – December 2005

Krebs & Lansing Consulting Engineers, Inc. Served as an Engineering Technician.

- Calculated slopes and intersections of storm and sewer pipes for compliance with State regulations
- Conducted percolation and permeability tests for in-ground septic systems
- Drafted mark- up sheets for engineer

December 2005 – December 2013

Krebs & Lansing Consulting Engineers, Inc. Served as an Engineer/Survey Technician

- On-site construction administrator for Champlain Water District's installation of new 24" water line on National Guard Road in South Burlington; prepared and submitted daily construction reports to Champlain Water District
- Designed in-ground septic systems under supervision of professional engineer
- Conducted yearly septic inspections for large, inefficient in-ground system; observed conditions and altered flows
- Conducted storm water inspections

December 2013 – October 2019

Krebs & Lansing Consulting Engineers, Inc. Served as a Licensed Surveyor.

- Conducted title searches and research for various parcels in Town records
- Evaluate deed descriptions against on-the ground field measurements
- Collect field measurements and adjust horizontal and vertical control for boundary and topographic surveys
- Supervise and train survey technicians
- Complete boundary surveys on AutoCAD 3D
- Prepare and perform layout for buildings and other construction activities

November 2019 - Present

Donald L. Hamlin Consulting Engineers, Inc. Serving as a Licensed Surveyor.

MARK L. DOWNING, CPESC
ENGINEERING TECHNICIAN

EDUCATION:

Mechanical Engineering – Center for Technology, Essex 2002
AE – Vermont Technical College 2005

PROFESSIONAL MEMBERSHIPS:

National Vocational Technical Honor Society

PROFESSIONAL REGISTRATION:

Type A - Residential Septic System Designer
CPESC – Certified Professional in Erosion and Sediment Control

EXPERIENCE:

June, 2002 - May 2005

Donald L. Hamlin Consulting Engineers, Inc. Served as an Engineering Technician on part time basis while in pursuit of a degree in civil engineering, working in conjunction with two project engineers on a wide variety of projects. Work experience included:

- Computer Aided Design or CAD Draftsmen using the latest AutoCAD™ and Eagle Point™ Software.
- Surveying Technician.
- Construction supervision
- Water Quality Testing.
- Effluent Testing.
- Traffic Data Collection.

May 2005 - present

Donald L. Hamlin Consulting Engineers, Inc. Joined full time staff as an Engineering Technician working directly under two licensed Professional Engineers. Project responsibilities include field survey, site design, residential and commercial septic system designs, water quality testing, effluent testing, and construction inspection and field measurements. Specific experience includes:

- Served as the Quality Control Officer and the on-site plan coordinator for the 334 unit South Village residential development on a ±225 acre site in South Burlington.
- Served as the primary construction inspector for the construction of a 9-unit Planned Unit Development located on West Shore Road in Georgia.
- Provided design and construction inspection of Vermont's Camp Ta-Kum-Ta, located on Sunset View Road in South Hero.
- Provided design and inspection for the construction of a new roof drain outfall and 70,000 gallon stormwater storage gallery located at Milton High School.
- Provided inspection for the construction of a two-story office building located on Lot 3 of the Mountain View Office Park in South Burlington.
- Provided construction inspection services related to the 2006 installation of an advanced stormwater treatment system in the Village of Morrisville.
- Stormwater Pollution Prevention Plan Coordinator for the Rathe Salvage Yard in Colchester Vermont.

BARRY F. DRISCOLL
SURVEYING TECHNICIAN

EDUCATION

B.S. Forest Management, Oregon State University, Corvallis, Oregon - 1980

University of Massachusetts, School of Forestry - 1975-1977

Vermont Society of Land Surveyors Educational Seminars

PROFESSIONAL EXPERIENCE

1978-1985

LaGrande, Baker & Unity, Oregon; USDA Forest Service: Conducted Stand Exam inventories of timber, wildlife, range, water and recreation resources and inspected contracts of similar inventories. Conducted genetic improvement and reforestation surveys; inspected planting contracts. Worked in fire suppression on both Force Account and Interagency Hotshot Crews in Oregon, Washington, Idaho and Alaska.

1986-1990

Lancaster, Massachusetts: Worked on field-to-office and office-to-field land surveys for residential, commercial and boundary line projects. Responsible for integrating digital data collection and drafting into a traditional survey and engineering environment.

1990-2004

Lamoureux & Dickinson Consulting Engineers, Inc. Essex Junction, Vermont: Conducted land surveys for numerous residential, commercial, transportation path and boundary line projects. Improved accuracy, efficiency and reliability of digital field survey and QA/QC procedures. Did extensive deed research, including ROW title searches. Introduced and integrated GPS surveying into company services. Initiated departmental planning and strategy program.

2005-Present

Donald L. Hamlin, Consulting Engineers, Inc., Essex Junction, Vermont: Perform land surveying for municipal, commercial, institutional, private and ski area clients. Improved efficiency and reliability of digital field survey and QA/QC procedures. Introduced and integrated GPS surveying and GIS into company services. Maintain a wide variety of GIS data for integration into an AutoCAD environment for scoping, design and surveying. Provide risk assessment and local, state and federal regulatory guidance and permitting for a variety of clients.

Construction inspection services for the Colchester STP SDWK(20) project, Jericho STP BP14(2) VT Route 15 Pedestrian School Crossings project, and the Hinesburg STP Bike(54) project.



Brandon P. Avery

Construction Services Technician

Education:

Paul Smiths College,
A.S. Survey Technology

Certifications:

- NETTCP Soils & Aggregate Inspector
- ACI Concrete Field Testing Technician- Grade I
- APNGA Portable Nuclear Gauge
- APNGA U.S. DOT Hazmat Portable Nuclear Gauge

Brandon Avery joined S.W. Cole Engineering, Inc. (S.W. COLE) in April 2017 as a technician in our White River Junction office.

Brandon's responsibilities at S.W. COLE include soil density testing, asphalt testing, concrete testing, and associated laboratory testing.

Prior to his employment at S.W. COLE, Brandon worked as a Land Surveyor for Geomatics and Kevin Hall Surveying in New York state. Brandon also has 4 years of welding and CNC operation experience.

Recent Project Experience:

Rockingham Bridge, Vermont: Brandon performed soil and concrete testing on the replacement of the I-91 Twin Bridges in Rockingham, Vermont. Construction of these bridges is scheduled to conclude in 2020.

Route 64 & 65, Vermont: Brandon performed asphalt testing on repairs to Route 64 & 65 through the Vermont Transportation Department scheduled road repair program.

Dakotah Senesac

Construction Services Technician

Education:

Johnson State College

B.A. Theatre Arts (2014)

Dakotah Senesac joined S.W. Cole Engineering, Inc. (S.W. COLE) in February 2019 as a technician in our White River Junction, Vermont office.

Dakotah's responsibilities at S.W. COLE include soil density testing, concrete testing, and associated laboratory testing.

Prior to his employment with S.W. COLE, Dakotah worked for a property management company in the Stowe, Vermont area.

Project Experience:

Dakotah is looking forward to gaining valuable project experience with S.W. Cole. Currently, he is training with our experienced staff to perform his field duties.

WHITE RIVER JUNCTION OFFICE

Shayne Pratte

Construction Services Technician

Education:

B.S. Construction Management,
Vermont Technical College (2021
anticipated graduation)

Certifications:

APNGA Nuclear Gauge Certified

Shayne Pratte joined S.W. Cole Engineering, Inc. (S.W.COLE) in 2019 as a Technician in our White River Junction office. Shayne has previous experience working as a carpenter, and served in the United States Air Force.

Shayne's responsibilities at S.W.COLE include soil density testing, concrete testing, and associated laboratory testing.

Recent Project Experience:

Thayer School of Engineering, Hanover, NH: Shayne provided soils and concrete testing, along with structural steel inspection at the construction site of a 340 car parking garage addition at Dartmouth College.

Rockingham Bridges, Rockingham, VT: Shayne provided concrete testing and observation, and HMA test cores and density testing for the replacement of the I-91 24 North and 24 South bridges in Rockingham Vermont.

Lebanon Sewer Separation, Lebanon, NH: Shayne provided soils and concrete testing, as well as HMA paving and core samples testing for the construction of sewer-related infrastructure on Bank Street.

Zach Kelley

Construction Services Technician

Education:

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

Certifications:

ACI Concrete Field Testing-
Grade I

NETTCP Concrete Technician

APNGA Nuclear Gauge Certified

Zach Kelley joined S.W. Cole Engineering, Inc. (S.W.COLE) in 2019 as a Technician in our White River Junction office. Zach has previous experience working as a dispatcher, quality control technician, and plant manager for a concrete company.

Zach's responsibilities at S.W.COLE include soil density testing, concrete testing, and associated laboratory testing.

Recent Project Experience:

On-Mountain Lodge, Carroll, New Hampshire: Zach provided soils and concrete testing along with structural steel and timber inspection during the construction of a 16,500 SF timber and stone lodge at the top of Fabyan lift in the Bretton Woods Ski Area.

Mt. Washington Hotel, Carroll, New Hampshire: Zach provided soils and concrete testing along with structural steel and fireproofing inspection during the construction of the 55,600 SF Omni Mt. Washington Hotel in the Bretton Woods Ski Area.

Mascoma Bridge, Lebanon, NH: Zach provided soils and concrete testing along with structural steel and HMA testing and extractions during the rehabilitation of the Mechanic Street Bridge which spans the Mascoma River. The bridge received a full deck replacement and reconstruction of structural components during this rehabilitation project.