Donald L. Hamlin Consulting Engineers

136 Pearl Street
Essex Junction, Vermont 05452
Tel (802) 878-3956
HamlinEngineers@dlhce.com
www.dlhce.com

Statement of Qualifications
At-the-Ready (ATR) Consultant Engineering Services for Municipalities 2023
CONSTRUCTION INSPECTION SERVICES

~ Engineering Excellence ~
Since 1965

VTrans Working to Get You There
Vermont Agency of Transportation

State of Vermont
Agency of Transportation
Municipal Assistance Section

February 9, 2023

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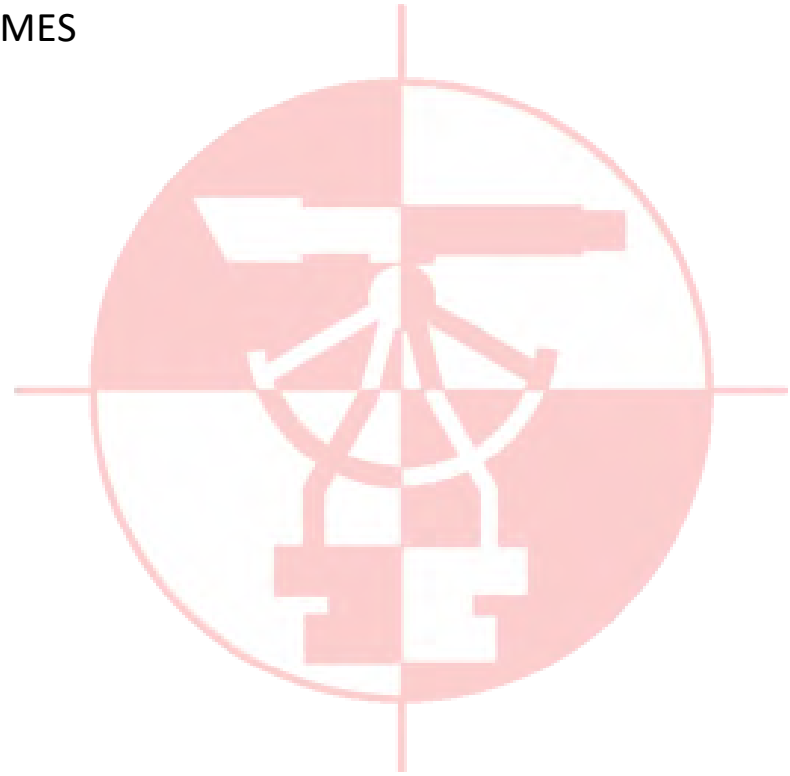


a. COVER LETTER

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

February 9, 2023

Ms. Nydia Lugo, Civil Engineer
Vermont Agency of Transportation
Highway Division – Municipal Assistance
219 North Main Street
Barre, VT 05641

Re: At-The-Ready Consultant Engineering Services for Municipalities 2023
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 decades of expertise and experience in construction scheduling, coordination, administration, and supervision provide us with the ability to recognize and stay ahead of potential issues which may arise during the course of a project. 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 continually ensure that projects are completed on schedule and 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. Our team has worked together for 35 years on projects too numerous to list and brings over 150 years of combined experience to any project. Our firm recently provided or is currently providing engineering design, project management, and/or resident engineering for the following VTrans Municipal Assistance administered projects:

Essex Junction STP 5300(13)
Colchester STP 5600(21)
5200(18)Shelburne STP BP14(5)
Hinesburg STP Bike(54)
Colchester TCSP TCSE(007)
Fairfax STP EH12(8)
Essex Junction STP 5300(14)
Milton STP BP16(10)
Essex Junction TAP TA 16(7)
Essex Junction STP SDWK (17)
Vergennes STP BP15(6)
Essex Junction STP SDWK(14)
Colchester STP SDWK(20)
Essex Junction STP 5300(11)
Jericho STP SDWK(2)
Milton STP BP13(3)
Fairfield STP BP13(7)
South Burlington STP
Essex Junction STP 5300(9) &(10)
Jericho STP BP14(2)
Shelburne STP SDWK(24)
Jericho STP BP14(2)
Colchester STP SDWK(16)

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 uploaded our electronic submission to our VTrans GlobalScape Account as requested in the Request for Qualifications.

Once again, thank you for considering our firm and we appreciate the opportunity to continue working with the Vermont Agency of Transportation and Vermont local communities.

Respectfully,

Jeffrey P. Kershner

Jeffrey P. Kershner, P.E.
President

Enc.

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, permitting, 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 firm's 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 ten 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**

Donald L. Hamlin Consulting Engineers

136 Pearl Street
Essex Junction, Vermont 05452
802-878-3956
hamlinengineers@dlhce.com
www.dlhce.com

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
UAS Aerial Survey and Mapping

~ Engineering Excellence Since 1965 ~

John Turner Consulting, Inc. will provide sub-consultant services related to construction testing. John Turner Consulting, Inc. (JTC) has a long history of providing construction inspection and testing services to municipalities throughout Vermont and New England.

JOHN TURNER CONSULTING

JTC has been in business since 1997 providing construction engineering and inspections, geotechnical engineering, environmental engineering, special inspections, and materials testing services to public and private clients throughout New England. JTC offers technically superior materials testing services with a VTrans-approved laboratory located in South Burlington, VT.

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

JTC has complete laboratory facilities for the testing and evaluation of concrete, asphalt, masonry, soils, fireproofing, and steel, as well as other materials such as wood. Their laboratory meets the requirements of ASTM C1077 and E329 and has the following credentials:

- Successfully inspected by the Cement and Concrete Reference Laboratory (CCRL)
- Successfully inspected by Northeast Transportation Technician Certification Program (NETTCP)
- Accredited by the American Association of State and Highway Transportation Officials (AASHTO)
- Validated by the U.S. Army Corps of Engineers
- Accredited by the National Voluntary Laboratory Accreditation Program (NVLAP Lab Code 600246-0)

Each member of the JTC field and laboratory staff have qualified for one or more programs including:

- American Concrete Institute (ACI)
- International Code Council (ICC)
- National Fire Protection Association (NFPA)
- National Institute for Certification in Engineering Technologies (NICET)
- Northeast Transportation Technician Certification Program (NETTCP)
- Pre-cast/Prestressed Concrete Institute (PCI)
- Post Tensioning Inspectors
- Structural Steel: Ultrasonic, Mag Particle, Dye-Penetrant and Certified Welding Inspectors
- Troxler Nuclear Density Gauge

Company information:
John Turner Consulting, Inc.
12 Gregory Drive, Unit 7
South Burlington, Vermont 05403
(802) 295-1100
www.consultjtc.com
Founded: 1997

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. Either the President or Chief of Engineering will serve as the primary contact from our firm for the duration of the project. 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. In addition to conventional preconstruction photographs, we offer UAS aerial photography and videography services to capture detailed preconstruction conditions taken from above the project site.

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 MAS Project Representative, MPM, and Design Engineer. Once a Contractor for the project has been selected, we will work directly with the VTrans MAS Project Representative and MPM to schedule, coordinate, and oversee the pre-construction conference for the project construction. Using the inspection team concept, we are able 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. Over the years, our Public Relations program has provided to be an effective and invaluable community relations strategy over the course of our construction projects.

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 MAS 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 MAS 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 MAS 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 immediate and surrounding area of the Five Corners intersection in Essex Junction as part of Phase 1 of the Crescent Connector project. This phase of the project involved the closing portions of Central Street, Main Street, Maple Street, Park Street, and South Summit Street to all traffic (vehicular and pedestrian) in order to remove and replace the existing railroad crossings. We worked with the contractor to schedule the work as efficiently as possible to minimize necessary road closures. Our public relations program was instrumental in the successful completion of this work over the course of the summer with no complaints received by the City or VTrans throughout the work.

We are very familiar with work in high traffic areas. In addition to the downtown Essex Junction area, we have provided construction inspection services along Pearl Street Redevelopment 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 have 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. 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.

Aerial Oversight – "The Eye in the Sky"

In 2020 we brought commercial UAS aerial survey, mapping, and photography/videography service offerings to our clients. We maintain a fleet of the latest drones equipped with high resolution cameras and sensors, including LiDAR capabilities. We have three in-house FAA licensed drone pilots who are experienced at successfully completing flight missions for a variety of objectives, whether it be for photo or video documentation, photogrammetry, or LiDAR data collection. Using this data, we are able to capture and document construction progress with high resolution photographs and video, as well as develop highly accurate 3-dimensional models of the construction in order to measure and quantify earthwork volumes.

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 confirm quantities with the contractor on a weekly basis. We will review payment requests from the contractor as they are submitted and confirm quantities requested for payment have been installed before submitting to the MPM with a recommendation for payment.

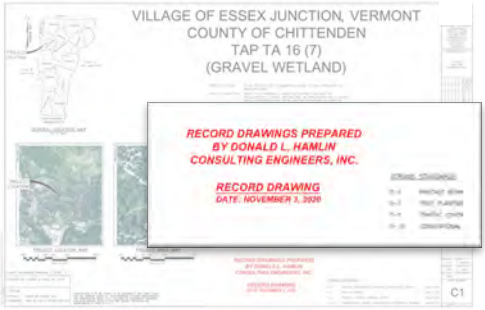
Punchlist Inspection & Certificate of Substantial Completion

We will perform the punchlist inspection and prepare a list of items requiring attention under direct supervision of the MPM, Owner, and VTrans MAS 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 payment, and the routing of the final payment request.

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 MAS Representative, and/or Design Engineer. At the completion of the project, we will provide certification documents to the MPM and VTrans MAS 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

"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.

"Dear Zach,

We want to thank you for all your hard work and professional approach during the Mt. Mansfield Townhouse Waterline project. Your efforts helped make the project go smoothly and assuaged homeowners fears."

- Mike and Deb Martin, ARFA Property Management

"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

c. ORGANIZATIONAL CHART and AVAILABILITY

Organizational and Availability Chart

JEFFREY P. KERSHNER, P.E.
PRESIDENT
PRINCIPAL ENGINEER
Responsible for corporate administration and oversees employee performance and conduct. Responsible for final quality of work and company policy. Responsible for quality assurance and quality control.
Availability: 50%

RICHARD F. HAMLIN, P.E.
CHIEF OF ENGINEERING
PROJECT MANAGER
Responsible for project management and coordination. Construction supervisor, technical support, oversight throughout project.
Availability: 50%

MICHAEL R. MAGOON, L.S.
CHIEF OF SURVEYS
Responsible for Field Survey, Geodetic Control, and Construction Layout Services
Availability: 50%

STEPHEN O. LIZEWSKI
CHIEF OF FIELD OPERATIONS
Field Operations Coordinator, Resident Engineer, Field Testing Coordinator, VTrans MAS Compliance Monitor
Availability: 50%

RYAN A. WARD, L.S.
SURVEYOR
Responsible for Field Survey, Geodetic Control, and Construction Layout Services
Availability: 50%

ZACHARY P. KERSHNER
PROJECT ENGINEER
Project Designer, Resident Engineer, Construction Inspector, Construction Services, Project Closeout
Availability: 75%

MARK L. DOWNING, CPESC
ENGINEERING TECHNICIAN
Construction Inspection, EPSC Compliance, Testing Observation, Field Studies, Survey Assistance
Availability: 75%

JOHN TURNER CONSULTING, INC.
MATERIALS TESTING SUB-CONSULTANT

Christopher Cote – Vermont MTS Manager
Adam Allen – South Burlington Materials Lab Manager
Peter Bergeron – Special Inspector (CWI)
Jake Harm – Testing Technician
Shaun Kerr – Testing Technician
Harper Keenan – Certified Field/Plant Technician
Joseph Rich – Certified Field/Plant Technician
Percy Bannerman – Certified Plant Technician
Seth Fout – Certified Plant Technician

Availability: As Needed

d. TECHNICAL CAPABILITIES

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 MAS process through our long history of providing construction inspection services on a multitude of MAS funded projects, including: 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), Fairfield STP BP13(7), Essex Junction STP 5300(9) & (10), Jericho STP BP14(2), Essex Junction TAP TA 16(7), and Crescent Connector STP 5300(13). In addition, over the course of the company's 58 years in business, we have provided construction inspection services for public and private projects too numerous to list that include roadways, pedestrian facilities, water, sewer, and drainage utilities, stormwater treatment and control, and traffic signals.

SPECIFIC PROJECT EXPERIENCE

Essex Junction Phase 1 Crescent Connector STP 5300(13) & (14), Essex Junction, Vermont
Contact: Ms. Regina Mahony, City Manager
2 Lincoln Street, Essex Junction, VT 05452
rmahony@essexjunction.org; (802) 878-6944 x 1602

VTrans At-the-Ready

Our firm was selected by Essex Junction using the VTrans "At-The-Ready" roster program to provide Resident Engineering services for Phase 1 of the Crescent Connector Project. This phase of the project involved the installation of panelized concrete highway grade crossing systems at six existing at grade crossings and one new at grade crossing in the heart of downtown Essex Junction. The project included the final signal design and installation of the complete crossing and final testing, as well as the raising of the existing tracks between the crossings. 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 Essex Junction and was responsible for construction inspection and testing services to ensure the project was completed in accordance with approved plans and specifications.

Essex Junction TAP TA 16(7) Gravel Wetland, Essex Junction, VT
Contact: Ms. Chelsea Mandigo, Water Quality Superintendent
2 Lincoln Street, Essex Junction, VT 05452
chelsea@essexjunction.org; (802) 878-6943 x 1705

VTrans At-the-Ready

Our firm provided Resident Engineering, Construction Inspection, and Testing Services related to the installation of a new gravel wetland adjacent to Mansfield Avenue and Brickyard Road in Essex Junction. The project included the replacement of a culvert with a storm structure and the installation of a second storm structure north of Brickyard Road. We served as the main contact representing Essex Junction responsible for construction inspection and testing services to ensure the project was completed in accordance with the approved plans and specifications.

Essex Junction Densmore Drive Upstream Culvert Replacement, Essex Junction, VT
Contact: Ms. Chelsea Mandigo, Water Quality Superintendent
2 Lincoln Street, Essex Junction, VT 05452
chelsea@essexjunction.org; (802) 878-6943 x 1705

Our firm provided Resident Engineering, Construction Inspection, and Testing Services for the replacement of two deteriorated 6-ft diameter x 70-ft long CMP culverts with a new 20-ft span precast box culvert, including 230-ft of roadway reconstruction. We served as the main contact representing Essex Junction responsible for construction inspection and testing services to ensure the project was completed in accordance with the approved plans and specifications.

Tilley Drive Traffic Signal, VT Route 116, South Burlington, VT 05403
Contact: Mr. Robert Bouchard, Development Manager
Pizzagalli Properties, LLC, 462 Shelburne Road, Suite 101, Burlington, VT 05401
Bob.Bouchard@pizzagalli.com; (802) 660-6805

Our firm provided complete design, permitting, and construction inspection services related to the installation of a new traffic signal system along VT Route 116 at Tilley Drive. Project was reviewed, approved, and constructed in accordance with VTrans requirements. Complete signal system consisted of new mast arm signal poles and signals, pedestrian signals, signal controller and cabinet, and radar vehicle detection system. Project included new sidewalks, accessible curb ramps, and a new pedestrian crossing of VT Route 116.

Town of Milton, Southern Gateway Intersection, US Route 7, Milton, VT
Contact: Mr. Don Turner, Jr., Town Manager
43 Bombardier Road, Milton, VT 05468
dturner@miltonvt.gov; (802) 893-6655

Our firm provided Resident Engineering, Construction Inspection, and Testing Services for the Southern Gateway Intersection project located along US Route 7 in Milton, VT. Project consisted of the construction of traffic signal, roadway, roadway intersection, and utility improvements including pavement construction, overlay of existing roadway, new signs, striping, landscaping, lighting, new curbing, concrete sidewalks, sewer, water, and drainage improvements along US Route 7 in Milton, VT. Project included a complete new traffic signal system including new mast arm poles and signals, pedestrian signals, signal controller and cabinet, and radar vehicle detection system. All work was reviewed and approved by VTrans.

Fairfield STP BP13(7), Fairfield, VT
Contact: Mr. Jonathan DeLaBruere, Town Administrator
25 North Road, Fairfield, VT 05455
townadmin@fairfieldvermont.us; (802) 827-3261

VTrans At-the-Ready

Our firm was selected by the Town of Fairfied using the VTrans "At-The-Ready" roster program to provide Resident Engineering and Testing services for the Fairfield Center Pedestrian Improvement project. The project involved the construction of cement concrete sidewalks, bituminous concrete sidewalk, roadway paving, drainage improvements, signage improvements, and other highway related items located along VT Route 36 in Fairfield, VT.

Lamoille Street Waterline and Roadway Improvements Project, Essex Junction, VT
Contact: Mr. Ricky V. Jones, Public Works Superintendent
2 Lincoln Street, Essex Junction, VT 05452
rick@essexjunction.org; (802) 878-6944

Complete project management services, survey, engineering design, bidding, and resident engineering services related to the replacement of the existing municipal waterline and full reconstruction of Lamoille Street in Essex Junction. Unique aspect of the project design and construction involved the use of innovative roadway reconstruction techniques utilizing rigid foam insulation for roadway stabilization over poorly drained frost susceptible soils. In addition, the construction management required close coordination with the local residents along this dead-end street to maintain access to their properties.

Vergennes STP BP15(6), Vergennes, VT
Contact: Mr. David Crawford, Project Manager
Concord Street, South Burlington, VT 05403
dacs4040@gmail.com; (802) 881-9599

VTrans At-the-Ready

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.

Essex Junction Multi-Use Path STP SDWK(17) & TAP TA13(6), Essex Junction, VT
Contact: Mr. Ricky V. Jones, Public Works Superintendent
2 Lincoln Street, Essex Junction, VT 05452
rick@essexjunction.org; (802) 878-6944

VTrans At-the-Ready

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 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.

Colchester STP SDWK(20) Colchester Mountain View Drive Sidewalk, Colchester, VT
Contact: Mr. Bryan K. Osborne, Director of Public Works
781 Blakely Road, Colchester, VT 05446
bosborne@colchestervt.gov; (802) 264-5625

VTrans At-the-Ready

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.

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.

Essex Junction STP SDWK(14) Lincoln Street Sidewalk and Lighting Improvements, Essex Junction, VT
Contact: Mr. Ricky V. Jones, Public Works Superintendent
2 Lincoln Street, Essex Junction, VT 05452
rick@essexjunction.org; (802) 878-6944

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.

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.

Village/City Engineer, Village/City of Essex Junction, VT
Contact: Mr. Ricky V. Jones, Public Works Superintendent
2 Lincoln St., Essex Junction, VT 05452
rick@essexjunction.org; (802) 878-6944

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 27 years we have provided project management services and asset management for virtually all of the municipal improvements 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. 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 led public concerns meetings, project presentations, and have participated in Village Trustee meetings for the past 27 years. Our long-term experience and relationship with this municipality has led to the successful completion of construction projects for many other clients; and we bring this experience to other municipalities that we serve.

Projects for which we have provided comprehensive service from project onset, through design, and culminating with successful project construction include, but are not limited to:

- Summit Street Roadway Reconstruction and Waterline Replacement – innovative roadway reconstruction using rigid foam insulation for roadway stabilization over poorly drained frost susceptible soils
- Main Street Drainage Enclosure - 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
- Woods End Roadway Reconstruction – rigid foam insulation
- Briar Lane Roadway Reconstruction and Waterline Replacement - rigid foam insulation
- Hillcrest Roadway Reconstruction and Sidewalk Construction
- School Street Reconstruction and Waterline Replacement – rigid foam insulation
- Maple Street Culvert Replacement

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, eye and hearing protection, footwear, and reflectorized clothing for use while on the project site. 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 available to serve as Project Manager for selected At-the-Ready projects. Jeffrey will be responsible for overall quality assurance and quality control and will oversee employee performance and conduct. During his studies at the University of Vermont, Jeffrey worked at the firm as an engineering intern until graduating cum laude in 1993 with a Bachelor of Science degree in Civil Engineering. Jeffrey is currently the firm's President and Project Manager for traffic, site development, roadway and utility construction, 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. Jeffrey has an in-depth knowledge of 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. Jeffrey is a registered Professional Engineer licensed in Vermont, New Hampshire, and Maine. He is an FAA licensed drone pilot and has completed numerous aerial survey and mapping missions for both 2-D imagery and 3-D reconstructions.

Richard F. Hamlin, P.E., will serve also as a Project Manager and single point of contact for the duration of selected "At-the-Ready" projects. Richard 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 40 years. He 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 27 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. Richard is a registered Professional Engineer licensed in Vermont, New Hampshire, and Maine. He is also an FAA licensed drone pilot with numerous successful UAS flight missions.

35 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 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 Five Corners Redevelopment Project, the Pearl Street Redevelopment Project, and is currently serving as the Resident Engineer for the Essex Junction Crescent Connector STP 5300(13) & (14). Stephen served as the Resident Engineer and leader of our inspection team on the numerous VTrans MAB projects.

FAA Licensed Drone Pilot

7 Years With Firm

Zachary P. Kershner, will be available to serve as Resident Engineer, construction inspector, and/or assistant to the Resident Engineer on selected projects. Zachary joined the firm in 2016 serving as an Engineering Intern while in pursuit of a degree in Civil Engineering. Zachary is finishing up his final semester at Quinnipiac University and will graduate in May 2023 with a bachelor's degree in Civil Engineering. Zachary's time at the firm has afforded him extensive design and field experience beyond his peers. Since 2016 he has served as an intern under multiple licensed engineers and surveyors and provided assistance on numerous projects. Since 2020, Zachary has served as the primary construction inspector for four construction projects during summer breaks from his studies. These projects included a waterline replacement and full roadway reconstruction project, construction of a gravel wetland (Essex Junction TAP TA16(7)), waterline and drainage improvements for a large private townhouse complex in Stowe, and construction of a 20-ft span concrete box culvert and full roadway and sidewalk reconstruction. He has gained extensive experience and proved himself as a competent inspector, earning the respect of all those he has worked with. His presence on the job site is invaluable to the municipality, contractor, and traveling public. Zachary 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. Zachary maintains constant communication with abutting landowners, local businesses, emergency services, and the municipalities during construction projects, which helps to maintain efficient and effective construction activities and public relations. Zachary is also an FAA licensed drone pilot with numerous successful UAS flight missions.

40 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 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 makes him uniquely qualified in the design and construction realm.

4 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.

21 Years 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. 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.

e. 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
FAA Part 107 Remove Pilot Certification

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:

- **Tilley Drive Traffic Signal and Turn Lanes, South Burlington, VT** – Project Manager and Principal Engineer for complete survey, design, and construction inspection services for new left and right turn lanes and the installation of a complete traffic signal system and pedestrian crossing along VT Route 116 at the intersection with Tilley Drive in South Burlington.
- **Densmore Drive Upstream Culvert Replacement, Essex Junction, VT** – Provided project management, overall quality control, and construction inspection services related to the replacement of two existing six foot diameter, seventy foot long CMP culverts with a new twenty foot span concrete box culvert and related roadway and sidewalk reconstruction along Densmore Drive in Essex Junction.
- **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**.
- **Mountain View Office Park, South Burlington, VT** – Project Manager and Principal Engineer for a five-lot subdivision located at the end of Tilley Drive adjacent to Interstate 89 in South Burlington. Project involved the construction of an extension to the existing Tilley Drive roadway with new sewer, water, and storm drainage infrastructure.
- **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.

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

PROJECT RESPONSIBILITY:
Project Manager

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
FAA Part 107 Remove Pilot Certification

PROFESSIONAL MEMBERSHIPS:
American Society of Civil Engineers – Past President VT 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
March 2017–present	**Donald L. Hamlin Consulting Engineers, Inc.** - Appointed Chief of Engineering

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 27 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 served 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:

- Essex Junction Crescent Connector STP 5300(13)
- 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/Algonquin 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 Superintendent’s 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 Walkways 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.

ZACHARY P. KERSHNER
PROJECT ENGINEER

PROJECT RESPONSIBILITY:
Project Engineer

EDUCATION:
Essex High School, Essex Junction, VT
Student – Quinnipiac University, Class of 2023

ACADEMIC ACHIEVEMENTS:
Essex High School
- National Honors Society
- Graduated Cum Laude

EXPERIENCE:
June 2016- Present

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

Specific project experience includes the following:

- Resident Engineer for the Densmore Drive Upstream Culvert Replacement Project in Essex Junction, VT during the summer of 2022.
- Resident Engineer for the Townhouse Condominium Water Service and Drainage Pipe Replacement Project in Stowe, VT during the summer of 2021.
- Resident Engineer for the Essex Junction TAP TA 16(7) Gravel Wetland project in Essex Junction, VT during the summer of 2020.
- Resident Engineer for the Lamoille Street reconstruction in Essex Junction, VT during the summer of 2020.
- Assistant Resident Engineer for the municipal wastewater connection at the Founders Memorial School in Essex, VT during the summer of 2019.
- Performed construction surveys related to the construction of a new commercial building at 194 Tilley Drive in South Burlington, VT during the summer of 2019.
- Served as a survey crew member for topographic field surveys for the Grand Isle Ferry Terminal in South Hero, VT, for the Foster residence in Colchester, VT both in the summer of 2019.
- Performed road measurements, quantities computations, and cost estimates for roadway repaving projects along Cobble Hill Road, Cooper Road, Hardscrabble Road, Lena Court, Quarry Lane, Russel Circle, and Bear Trap Road in Milton, VT during the summer of 2018.
- Prepared complete Erosion Prevention and Sediment Control plans for 300 new camp sites at Apple Island Resort in South Hero, VT; for the construction of two manure storage facilities and related drainage improvements at the Belter Family Farm in South Burlington, VT; and for new parking and drainage improvements at the Mount Mansfield Co. Harlow Hill Property in Stowe, VT.
- Performed infiltration tests related to parking and drainage improvements at the Mount Mansfield Co. Harlow Hill Property in Stowe, VT.
- Performed drafting for Boundary Adjustments for Catherine Antley in Bolton, VT, The Brandon Inn in Brandon, VT, Saint Michael's College Quarry in Colchester, VT, Theresa C. Findeissen in Panton, VT, and Lake Champlain Transportation Co. in Grand Isle, VT.
- Prepared 3D modeling of proposed buildings as part of a subdivision of the Old Mill property in Jericho, VT.
- Performed stormwater system inspections for the Twincraft Skincare facility located at 36 River Road in Essex, VT.; and at the Milton Elementary School and Milton High School in Milton, VT.
- Assisted with the inspection of the on-site sanitary sewer collection, treatment, and disposal system for the Brown Ledge Camp in Colchester, VT.
- Served as Draftsman and Surveying Assistant for a new agricultural building at Gillian Farm on Route 15 in Jeffersonville, VT in the summer of 2016.

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, VT