

# Statement of Qualifications

to provide the  
Town of Charlotte, Vermont with  
Consulting Engineering Services



August 8, 2014



Lamoureux & Dickinson

14 Morse Drive Essex, VT 05452

(802) 878 4450

[www.LDengineering.com](http://www.LDengineering.com)



August 8, 2014

Jeannine McCrumb, Town Planner/Zoning Administrator  
Town of Charlotte  
P.O. Box 119  
159 Ferry Road  
Charlotte, VT 05445

Re: Request for Proposals  
Civil Engineering Services for Consulting

Dear Jeannine,

We are pleased to submit the enclosed Proposal to provide engineering services to the Town of Charlotte.

Our team of experienced professionals is ready to serve Charlotte, as we have for so many other Towns in the area. Please feel free to contact me if you have any questions concerning this Proposal.

Sincerely,

Doug Goulette, P.E.  
*Principal Engineer*

Enclosures

## **Table of Contents**

<b>Introduction.....</b>	<b>2</b>
<b>Qualifications of Key Personnel .....</b>	<b>2</b>
<b>Similar Projects .....</b>	<b>5</b>
<b>Project Scheduling and Completion Timeliness.....</b>	<b>6</b>
<b>Digital Data Capabilities .....</b>	<b>6</b>
<b>Insurance .....</b>	<b>7</b>
<b>Engineering Fees.....</b>	<b>7</b>
<b>Experience.....</b>	<b>8</b>
<b>Work Examples .....</b>	<b>8</b>
<b>References .....</b>	<b>8</b>
<b>Resumes .....</b>	<b>9</b>
<b>Final Thoughts.....</b>	<b>9</b>

## **Attachment**

### **Lamoureux & Dickinson Consulting Engineers, Inc.**

Work Examples .....	Attachment A
Resumes .....	Attachment B
Certificate of Liability Insurance .....	Attachment C

## **INTRODUCTION**

Lamoureux & Dickinson is pleased to submit this Proposal to the Town of Charlotte to provide engineering services for the Town. Specifically, we understand the scope of work would include a full range of civil engineering services including the review of applications for Site Plan review, subdivisions, conditional use requests, and other land use development projects which may come before the Town.

We also understand the Town may also require the selected consultant to provide the following services:

- Road design
- Drainage and stormwater designs with attention to low impact development alternatives
- Grading and erosion control plans
- Geotechnical investigations and slope stability analysis
- Construction administration and observation
- Traffic Studies and Evaluations
- Assistance with local zoning, subdivision, and related land use regulations.

Lamoureux & Dickinson is highly qualified to perform this work. We have been providing a full range of civil engineering and environmental services to our clients in Chittenden County and across Vermont since 1985. We have done extensive design and permitting work for both our municipal and private clients, as well as provided assistance with construction services, including solicitation of bids, and construction phase inspection and testing services.

The following information is provided to assist the Town in evaluating Lamoureux & Dickinson's capabilities to perform the requested services:

## **QUALIFICATIONS OF KEY PERSONEL**

Lamoureux & Dickinson has an in-house staff of highly qualified multi-disciplined professionals, including transportation planners, civil engineers, land surveyors, and a soils and wetlands specialist. L&D has provided civil engineering services to municipalities, regional planning commissions and State agencies in Vermont and New York since 1985. We have a proven track record of providing comprehensive planning and engineering services and are known for our commitment to prompt service, the application of up-to-date design techniques, and the use of cutting edge technology to develop cost-effective and durable solutions to design challenges. Our firm employs a successful *Quality Assurance Program*, which emphasizes accuracy and quality. Additionally, we focus on teamwork both internally and in partnership with our clients.

L&D has extensive experience at presenting information to the general public, municipal boards and commissions, and governmental agencies, both at formal and informal

hearings and working sessions. Our team is familiar with Town, State and Federal environmental laws, requirements and regulations that will pertain to providing the requested services for this project. We are also on the VTrans approved list of qualified consultants for engineering and transportation projects.

Our survey crew is experienced in boundary and topographic surveys along with route surveys along roadways, and use the latest in survey technology, including robotic total stations and survey grade GPS. Having completed projects throughout the state, the crew is familiar with the type and amount of information which is required and are able to obtain that information in a timely and efficient manner.



The following personnel are anticipated to be involved with either the review or design of projects for the Town of Charlotte:

***Doug Goulette, P.E.*** - Senior Project Engineer, will be the primary contact for coordination with the Town. For projects which we are providing review services, Doug will communicate with Town officials to understand what we are being requested to do for each project. For projects which L&D is the designer, depending on the type of project being proposed, Doug may be the designer/project engineer, or this role may be delegated to another member of our team depending on the scope of work. Doug is a professional Engineer with 30 years of experience. His recent projects for which he is acting as the project engineer include the Colchester Avenue Sidewalk project in Burlington, multiple residential subdivisions, a proposed Dunkin Donuts site in Derby VT, and an alternative transportation path design for the Town of Richford. Doug is also a licensed wastewater designer with the State of Vermont. He was also the principal engineer associated with the drafting of new Public Works Specifications for the Town of Essex.

***Roger Dickinson, P.E., PTOE***, President and Project Engineer. Roger is a well-qualified and experienced civil/ transportation engineer, and manages L&D transportation planning and engineering services. He has over 30 years of experience in providing planning, engineering and permitting services for transportation facility, residential and commercial developments, and water supply system projects throughout Vermont. Roger also has direct experience with the review of other consultant's traffic evaluations. In addition to providing general oversight of projects and administration of L&D's quality assurance plan, Roger focuses on performing traffic impact analyses for all types of projects, and also is experienced in the design of intersections, traffic calming, and pedestrian signalization, and will provide the benefit of 30 years of engineering experience. If the Town of Charlotte requests L&D to review another consultant's traffic analysis, Roger will be assigned to perform this task.

***Andrew Rowe, P.E., CPESC***, Project Engineer. Andy has been involved with the design, permitting and construction of a variety of residential, commercial and

municipal projects. His specialty is the design of stormwater management systems meeting the 2002 Vermont Stormwater Standards. The variety of project types and densities has necessitated a unique approach to stormwater management on each site. In addition to the design of stormwater management systems for new projects, Andy has also designed several projects where existing facilities were upgraded to comply with the current Stormwater Treatment Standards. He also performs construction inspections, which is invaluable in refining stormwater designs and construction details, and monitors several stormwater systems. This post construction observation has provided invaluable experience in refining design details and construction practices, resulting in better-functioning stormwater systems. Andy is also a Certified Professional in Erosion and Sediment Control. For projects with stormwater components, Andy will be assigned the task of reviewing the stormwater system design and erosion control devices, if applicable. For Town projects primarily stormwater related, Andy would likely be the project engineer.

***Douglas Henson, L.S., E.I.***, Surveyor. Doug is our in-house licensed land surveyor. He not only prepares all of the property surveys for L&D, he has also been the project manager for several VTrans alternative transportation paths designed by L&D in which he oversaw the preparation of the construction plans, obtaining permits, right-of-way plans, cost estimates and bid documents. Doug's role in providing services for the Town of Charlotte could include review of survey plats submitted in association with new subdivisions. For Town projects, Doug could provide survey fieldwork, land record research, ALTA surveys, or flood certification surveys. L&D can also provide construction stakeout services, and provide topographic surveys for projects.

***Brian Tremback, CPSS***, Certified Professional Soil Scientist and Wetlands Scientist, has over 18 years of experience in Vermont with soils investigations, wetland evaluation, and stormwater system design. He has experience in designing innovative wetland mitigation and stormwater management systems, such as the Bartlett Bay Road stormwater treatment system, the Bartlett Brook Restoration project, and the Berlin Shaw's stormwater treatment system. Mr. Tremback is also an experienced Wetlands Scientist and can provide review of projects if wetland impacts are required or are of concern. He has provided site evaluation, delineation of wetlands, wetland mapping and assistance in the environmental resource assessment of the many projects throughout the State. L&D is currently under contract with the State to evaluate wetlands impacts along State highways slated for improvements throughout Vermont.

***Subconsultants:*** Given the requested scope of work outlined in the Request for Proposals, with the exception of geotechnical investigations and slope stability analysis, we will be able to perform all of the requested services in-house. This provides for greater efficiency, faster turn-around time, and better communications and coordination than having to rely on multiple sub-consultants. For any projects which may need a geotechnical engineer, we would anticipate working with Knight Consulting Engineers in Williston.

## **2. SIMILAR PROJECTS**

Over the years, L&D has provided civil engineering consulting services to many municipalities across the State. The following is a list of some Chittenden County municipalities which we have provide consulting/design services for:

**Jericho** - For many years starting in 1988, L&D worked for the Town of Jericho in providing design services directly for Town projects including road upgrades, stormwater upgrades, speed studies, boardwalks, traffic calming projects, and many more. We have also reviewed proposed development projects for the Town, looking at the project's conformance with the local regulations. More recently we were hired by the Town to review the stormwater system for a new Mobil station in Jericho. Although no longer acting as the Town engineers, L&D continues to provide assistance to the Town for Town sponsored projects.

**Essex** – The Town of Essex has hired L&D over the years for both the design of Town projects, and review of development projects, and review of traffic studies prepared by other consultants associated with proposed development projects. Projects we have designed directly for the Town include their new police station currently under construction, multiple sections of sidewalk throughout Town, stormwater improvements in existing neighborhoods, and sewer system expansions. Last year we were selected outright (no competitive bids) to assist the Town with an entire re-writing of their Public Works Specifications, including updating the technical specifications and standard details. This is a testament to the confidence the Town of Essex has in L&D's experience and knowledge of the best methods and materials for both private and public works improvements.

**Burlington** – L&D is on the City's list of pre-approved, qualified civil engineers to perform work for the City. As a result, we have designed improvements for the City including road reconstruction at Oakledge Park, and a new boardwalk at North Beach. Other Burlington projects we are, our have recently completed, include sidewalk designs along Flynn Avenue and Colchester Avenue. We have just started a new project near Champlain Elementary School involving 356 feet of sidewalk, and traffic calming designs at three local street intersections near the school as a result of a previous study by L&D as part of the "safe routes to school" program.

**Williston** – We have designed multiple bikepaths and sidewalk projects throughout the Town of Williston, and more recently have designed a new recreational park at the Allenbrook Elementary School. In 2013, we were selected outright (no competitive bid) to design a new 500' long road linking Talcott Road to Zephyr Road which included a 28



foot wide road and 10' bikepath. As with other Towns, Williston has the confidence in our experience and expertise to know that the project will not only be designed properly, but will be done in a timely and affordable manner.

**Charlotte**- in 2005, L&D designed and permitted the relocation of Higbee Road in Charlotte.

**Fairfax** – L&D was hired by the Town of Fairfax to design their new Town Office building, and obtain the necessary State permits for the project.

**Hinesburg**- In 2013, the Town of Hinesburg hired L&D to oversee construction on the Town's behalf, of a large multi-use project in the Town consisting of both residential and commercial buildings and infrastructure including roads and sidewalks, and sewer, water and stormwater systems. The Town felt confident, through their involvement with L&D on a 36 unit project that L&D designed in Hinesburg, that we were highly qualified to oversee construction, and assure that the project was being built in accordance with the approved plans. Town public works staff did not have the time to spend on the project site, so they hired L&D outright (no competitive bid) to perform these services.

Other municipalities beyond those listed above, for which L&D has either designed project for, or provided either design review or construction oversight includes, but is not limited to **Colchester**, **South Burlington**, **Shelburne**, and **Milton**.

### **3. PROJECT SCHEDULING AND COMPLETION TIMELINESS**

Currently Lamoureux & Dickinson has nine full-time employees, including three professional civil engineers licensed in the State of Vermont, a licensed surveyor, a certified professional soil scientist, and three technicians capable of performing surveying services, CAD design, and construction observations. Given this team of qualified personnel, we will be able to respond in a timely manner to requests by the Town for the review of other consultant's projects. Given the diversity of our staff's expertise, we can have multiple people, if necessary, review a project simultaneously relative to their expertise. Doug Goulette will coordinate with the Town to establish the Town's concerns, priorities, etc. for a particular project, and then coordinate L&D staff's review procedure, and prepare a report for the Town of our findings. Although L&D is busy with ongoing projects, we do not foresee any problem with fitting Town of Charlotte projects into our schedule. We have a good track record of keeping projects on schedule, which can be confirmed by any of the references provided later in this Proposal.

For Town initiated projects, we would envision meeting with the Town to review the proposed project and associated project budget, and then prepare a written scope of work for the engineering services which hopefully would fit within the overall project budget.

### **4. DIGITAL DATA CAPABILITIES**

Successful projects are created in large part by establishing a cooperative relationship with the municipality. We strive to ensure good communication and timely decision making, maintaining the desired project schedule, and a responsive end product. We work daily with the Microsoft Suite of Word, Excel, and PowerPoint as well as MicroStation and AutoCAD programs. We also use Adobe Reader and Adobe Professional, and have software capable of producing shape files. These files can be provided anytime to the Town through the course of a project.

## 5. INSURANCE

L&D has professional liability insurance coverage of \$1,000,000 per occurrence and \$2,000,000 aggregate. A copy of a recent Certificate of Liability Insurance is attached.

L&D understands that if selected to work for the Town of Charlotte under a term contract, L&D will not perform any services for developers, businesses, or residents of the Town, for projects within the Town which are subject to review by the Town, which would result in a conflict of interest.

## 7. ENGINEERING FEES

The following is a summary of L&D's hourly rates by job title and person, in addition to reimbursable expenses:

<u>PERSONNEL</u>	<u>HOURLY RATE</u>
Senior Principal Engineer (Roger Dickinson)	\$ 110.00
Principal Engineer (Doug Goulette, Andy Rowe)	\$ 97.00
Senior Surveyor (Doug Henson)	\$ 97.00
Environmental Scientist (Brian Tremback)	\$ 90.00
Engineer-in-Training (Chris Day)	\$75.00
Engineering Technician (Bill Horton)	\$ 72.00
Survey Technician (Kail Romanoff)	\$ 75.00
Engineering Intern	\$ 50.00
Administrative	\$ 42.00
<u>REIMBURSABLES</u>	
Prints: 24" x 36" Black & White	\$ 1.50
24" x 36" Color	\$ 5.00
Mylar:	\$ 10.00
Mileage (per mile at current IRS rate):	\$ 0.56
Boundary Markers:	
Steel Pipes	\$ 6.00
Concrete Monuments	\$ 40.00

## **EXPERIENCE**

Given our 29 years of experience working with municipalities and private clients, our staff has become very familiar with AASHTO, ADA, and VTrans design manuals, standards, procedures and specifications. We believe L&D will offer the Town of Charlotte an outstanding opportunity to team with a consultant that is very familiar with designing projects in accordance with local, State, and Federal regulations and guidelines.

Our team of employees is very familiar and experienced with the Vermont Agency of Transportation (VTrans) standards and practices, such as the *Local Transportation Facilities Guidebook* and practices, the VTrans *Design and Construction Standards* and the *Vermont Pedestrian and Bicycle Facility Planning and Design Manual*, as well as AASHTO, MUTCD, and the *Americans with Disabilities Act (ADA)* standards that will guide the review and or design of projects within the Town.

We have representative work examples highlighting our teams experience with municipal projects. Each project represents a different type of project and level of community involvement.

## **WORK EXAMPLES**

We have attached only a few of the multitude of project examples of various projects and services Lamoureux & Dickinson provides to their clients.

## **REFERENCES**

*The following is a list of references of people familiar with our work and abilities:*

Guillermo Gomez, Public Works Engineer  
City of Burlington  
802.540.0557  
[ggomez@burlington.vt.gov](mailto:ggomez@burlington.vt.gov)

Bruce Hoar, Williston Public Works Director  
Town of Williston  
802.878.1239  
[bhoar@willistonvt.org](mailto:bhoar@willistonvt.org)

Dennis Lutz, P.E. Town of Essex Public Works Director  
Town of Essex  
802.878.1344  
[dlutz@essex.org](mailto:dlutz@essex.org)

Todd Odit, Jericho Town Administrator  
Town of Jericho  
802.899.9979  
[todit@jerichovt.gov](mailto:todit@jerichovt.gov)

*Additional references can be provided if requested.*

## **RESUMES**

Resumes of key personnel are found in Attachment B.

## **FINAL THOUGHTS**

We feel that L&D is highly qualified to provide the services requested by the Town of Charlotte. Our reputation is one of providing high quality service at reasonable rates. We put a high value on quality designs and our reviews are performed by highly experienced personnel who have the knowledge to make sound engineering judgments.

The Town of Charlotte may receive Proposals from other consultants which may be more glamorous than ours, and who likely have higher billing rates to cover the cost of marketing personnel whose only job is to create visually appealing proposals. At L&D, we prefer to keep our rates competitive, and focus on the product and not the packaging. This is the reason so many municipalities choose L&D without going through a competitive bidding process to perform work directly for them. They understand that by choosing Lamoureux & Dickinson, they will be getting a firm dedicated to providing quality services from an experienced staff of professionals.

Our work is thorough and thoughtful. If chosen for this project, we will insure that the work performed by other consultants in Charlotte meets the applicable Town, State and Federal standards. Thank you for considering Lamoureux & Dickinson.

**ATTACHMENT A**  
*Lamoureux & Dickinson Consulting Engineers, Inc.*  
*Work Examples*



# STREETScape

## Village of Essex Junction Five Corners Redevelopment

Lamoureux & Dickinson designed new sidewalks and curbs, 500 lf of new 12" water main, new pedestrian scale street lighting, landscaping plans, and new mast arm mounted traffic and pedestrian signals at the Five Corners intersection. This project was constructed in the summer of 2008.

Client: Village of Essex Junction  
2 Lincoln Street  
Essex Junction, VT 05452  
(802) 878-6944



Maple Street Before



Maple Street After



Park Street Before



Park Street After



# MUNICIPAL PLANNING

## Irasville Growth Center Master Plan

Working closely with the Waitsfield Planning Commission and Select Board, and the Mad River Valley Planning District, the L&D team developed planning concepts for new growth and development in Irasville. The desire to create a planned “growth center” was identified by the Town over the course of 10 years ago and has been developed and supported by residents and Town officials.

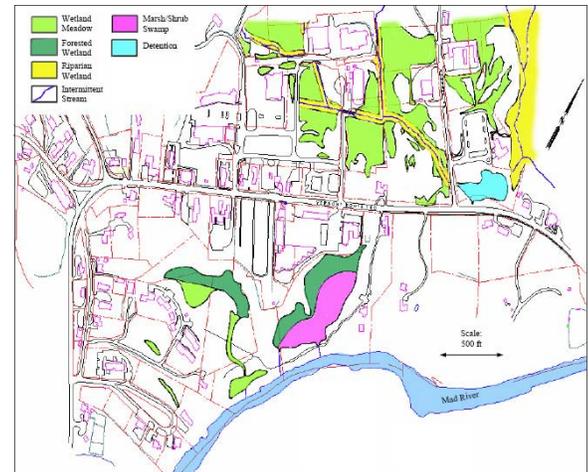
The concept for Irasville is to create a sense of place and define an orderly process that would guide development in such a manner that a new growth center could be developed. The hope is to create a “heart” of the community that is integrated with the physical and ecological features of the landscape. The final report includes recommended zoning strategies for implementation.

L&D also prepared a Quality Assurance Project Plan (QAPP) for stormwater quality monitoring to provide guidance for the creation of a stormwater management plan, provide on-going feedback on the effectiveness of stormwater treatment, and identify water quality trends. The QAPP was approved by the U.S. Environmental Protection Agency.

Contact:  
Dee Pierce, former Mad River Valley Planning District

Valerie J. Capels, Waitsfield Town Administrator  
802.496.2218

## Waitsfield, Vermont





## ENVIRONMENTAL DESIGN

### Monkton Wildlife Crossings

Monkton, Vermont

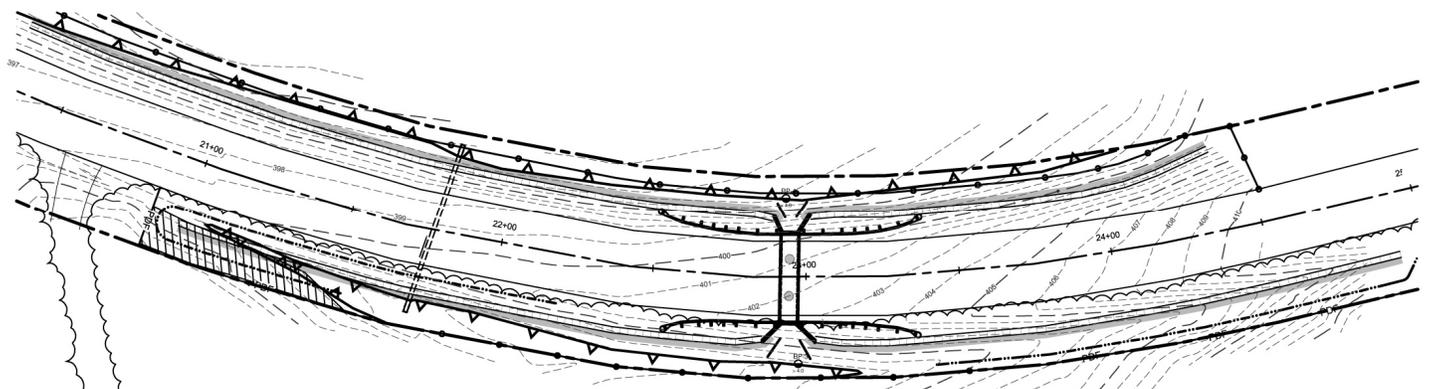
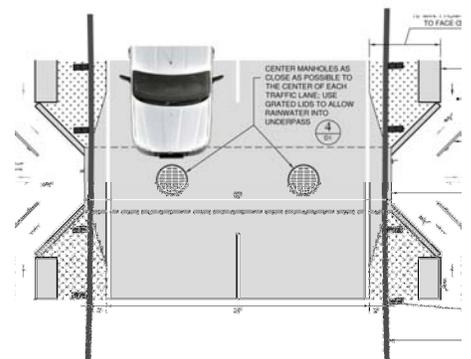
Working with herpetologist Jim Andrews and the Town of Monkton Conservation Committee, L&D identified the most suitable locations and developed designs for wildlife crossing structures for a 0.8-mile section of Monkton Road. The purpose of the project was to design a solution for the high mortality of amphibians — including rare and uncommon species

— during their annual migrations across Monkton Road between the Huizenga swamp and an adjacent forested upland. Taking into consideration animal behavior, roadway characteristics, and structure function and reliability, we prepared designs for underpasses to provide a safe alternative to roadway surface crossings. Not only will the underpasses create a safe route for salamanders and frogs but, in one location, a larger underpass will accommodate mammals like bobcats, foxes, and coyotes. Each underpass integrates barrier walls to funnel amphibian movement from 400 linear feet of roadway through a crossing safe from traffic.



#### Contact:

Chris Slesar, Monkton Conservation Commission, (802) 828-5743



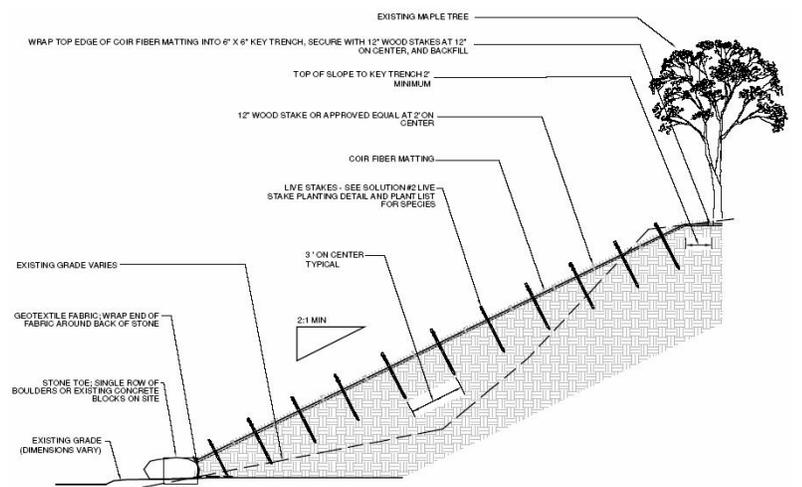
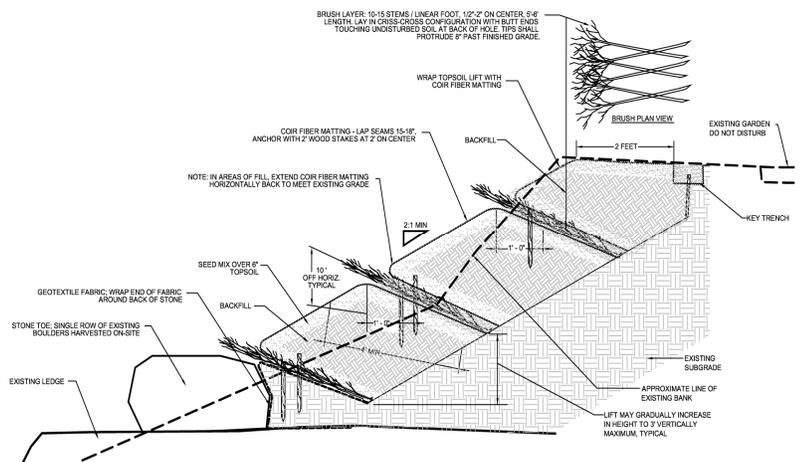


# SHORELINE STABILIZATION

## Shoreline Stabilization Projects, Franklin and Grand Isle Counties, Vermont

Working with Bioengineering Group and Bear Creek Environmental, L&D developed design plans for four lakefront properties in Franklin and Grand Isle Counties that had suffered substantial shoreline erosion during the record high level of Lake Champlain in 2011. For each property, we met with the homeowners to establish what measures would accommodate their uses and desires, then developed cost-effective strategies to stabilize the shorelines using bioengineering techniques.

Contact: Katelin Brewer-Colie, Regional Planner, Northwest Regional Planning Commission, 155 Lake Street, St. Albans, VT 05478-1850, (802) 524-5958





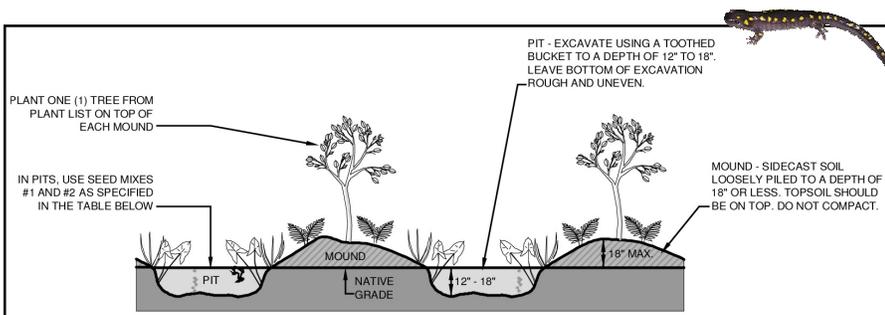
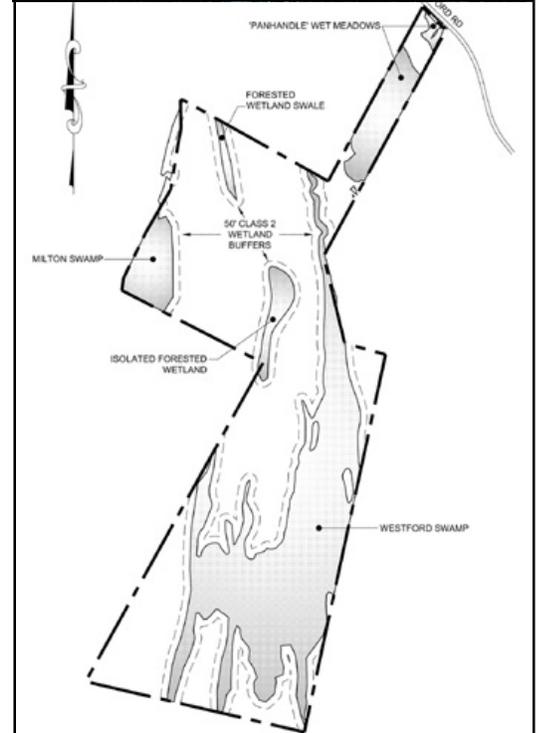
## WETLAND SERVICES

Since 1990, Lamoureux & Dickinson has provided its clients with high quality Wetlands Services including:

- Wetland delineation
- Wetland functional evaluation
- Wetland mitigation design
- Monitoring of wetland mitigation projects
- State and federal permit applications
- Stormwater treatment wetlands

With expertise in wetland science, engineering solutions, planning, and environmental permitting, Lamoureux & Dickinson is well-equipped to guide clients through the State and Federal wetlands regulatory processes. We will work with you to produce a project that minimizes permitting delays. Where wetland impacts are unavoidable, we can help you develop mitigation solutions to keep the project moving forward.

Lamoureux & Dickinson handles both large and small projects ranging from highway projects and major subdivisions to single-family lots. We are currently one of the most active wetlands consultants in the State of Vermont and have obtained dozens of State and Federal permits including State of Vermont Wetland Permits, and US Army Corps of Engineers Nationwide Permits, General Permits, and Individual Permits.



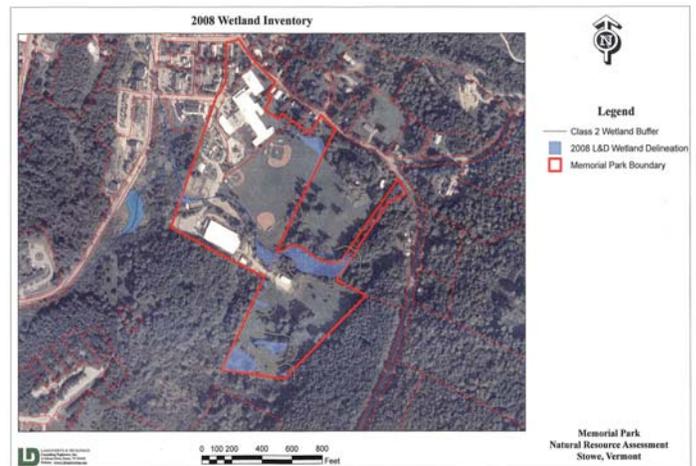


## GIS MAPPING

### Town of Stowe Natural Resource Inventory & GIS Mapping for Mayo Farm and Memorial Park Parcels

**Lamoureux & Dickinson** conducted field surveys to locate wetlands and worked with subconsultants to locate other natural resources on two town owned parcels of land in Stowe. Once located in the field, L&D conducted GPS surveys and converted the field locations to GIS shapefiles. Databases were then created for each of the shapefiles using ArcGIS software. Various maps will be created for the town using the GIS information that was developed.

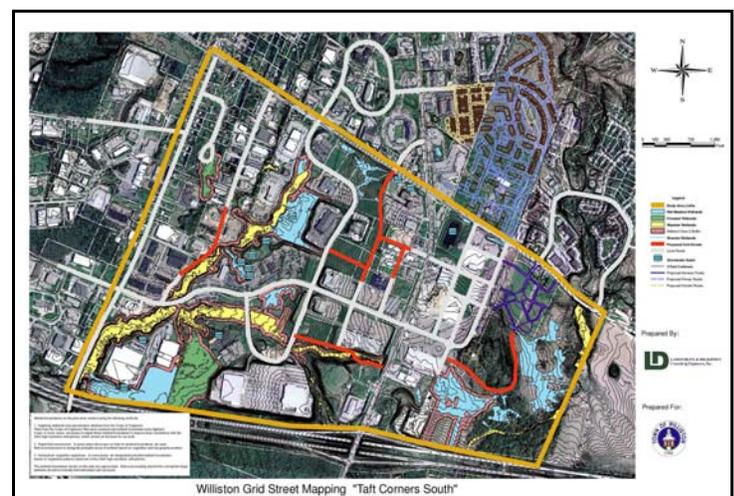
Client: Town of Stowe  
P.O. Box 730  
Stowe, VT 05672  
(802) 253-8770



### Town of Williston Wetland Inventory & GIS Mapping for Grid Street Project

**Lamoureux & Dickinson** compiled existing wetland delineations and performed additional field inventories in a quadrant of Taft Corners where the Town proposes to construct new roadways in an effort to complete the system of grid streets they have planned. The wetlands and proposed streets were mapped in ArcGIS along with the existing ground contours. The alignments of the proposed grid streets were then adjusted to minimize impacts to existing wetlands.

Client: Town of Williston  
7900 Williston Road  
Williston, VT 05495  
(802) 878-1239





# CONSTRUCTION ENGINEERING

## Strafford ARPV(9) & Newport ARPV(8)

As the Resident Engineer on these ARRA funded paving projects, Lamoureux & Dickinson worked closely with the municipalities and the contractor to keep quantities within the estimated values so as not to exceed the limited funding available for the projects. Several decisions were made with regard to cold planing and shimming to keep the projects within budget yet provide a good end product for the municipalities. Representatives from Lamoureux & Dickinson were on the project sites at all times during cold planing, paving and line striping to guide the contractor, measure quantities and ensure that quality assurance testing was performed.

### References:

Strafford Municipal Project Manager  
Stephen Willbanks (802) 765-4530

Newport City Manager  
John Ward (802) 334-4530





# SURVEY

## Urban Survey - Church Street Marketplace, Burlington

**Lamoureux & Dickinson** conducted field surveys and land record research to locate evidence of the boundaries of downtown Burlington streets including Church St., Bank St., Cherry St., South Winooski Ave., St. Paul St. and Pearl St. Our work also included a full topographic survey of existing utilities, marketplace amenities and building fronts. The land record research involved reviewing some of the deeds of the early settlers of Burlington and records of the early surveyors and engineers who were responsible for determining the location of the streets in Burlington.

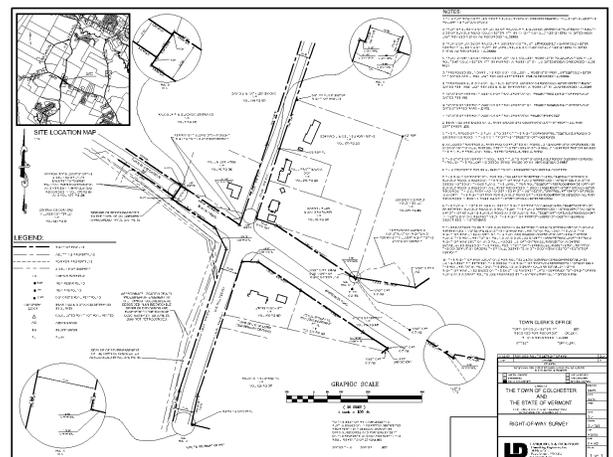
Client: City of Burlington, Department of Public Works  
Carol Duncan, P.E.  
Burlington, VT 05401  
(802) 863-9094



## Right-of-Way Survey - Routes 2&7 / 289, Blakely Road and Severance Road, Colchester

**Lamoureux & Dickinson** conducted field surveys and land record research to locate evidence of the boundaries of Routes 2, 7 and 289 and Blakely Road and Severance Road in the vicinity of Severance Corners in Colchester. The research involved working with the Vermont Agency of Transportation to acquire copies of the right-of-way plans for various projects that the Agency had prepared over the years for the area, as well as reviewing the respective condemnation orders and judgement between the abutting property owners and the Agency conveying property to the State of Vermont. The field work consisted of locating property corners set by earlier surveyors for the abutting properties as well as the highway projects. This project was performed for the purpose of helping the Town of Colchester ascertain the available road rights-of-way in preparation for an intersection redesign.

Client: Town of Colchester  
Bryan Osborne  
Colchester, VT 05446  
(802) 264-5625





# Lamoureux & Dickinson Consulting Engineers

## Summary of Services

Since 1985, Vermonters have been choosing Lamoureux & Dickinson for our expertise, experience, and comprehensive in-house consulting services. When you choose L&D, one call is all you need. Please explore the back of this page for a complete list of the services we provide, and check out our website to find out about our past projects, staff, services, and more.

## Plan • Design • Permit • Build





# Lamoureux & Dickinson Consulting Engineers

## Summary of Services

### Residential & Commercial Developments

Site Analysis  
Conceptual Planning  
Master Plan Development  
Site Layout and Design  
Topographic & Boundary Surveys  
Local & State Permitting  
Construction Services

### Municipal Sewer & Water

Sewer Collection Systems  
Water Distribution Systems  
Water & Sewer Pump Stations  
Water Filtration Systems  
Hydraulic Modeling  
Private Water Supplies

### Master Planning

Master Plan Development  
Land Use Planning  
Urban & Village Planning  
Streetscape Design  
Development Feasibility

### Construction Engineering

Contract Documents  
Inspection Services  
Construction Stakeout  
Soil Testing & Sieve Analysis  
Water / Sewer Testing  
Certifications  
Record Drawings

### Stormwater

Hydrologic Studies  
Stormwater System Design  
Hydraulic Modeling  
Existing System Evaluations  
Pervious Pavement Design  
Permitting  
Annual Inspections

### Wetlands

Wetland Delineation  
Functional Evaluation  
Mitigation Design  
State & Federal Permitting  
Performance Monitoring

### Transportation, Sidewalks & Paths

Roadways & Intersections  
Roundabouts  
Sidewalks & Shared-Use Paths  
Traffic Control Devices  
Traffic Impact Assessments  
Corridor & Circulation Studies  
Sight Distances  
Traffic Counts  
Crash Data Analysis  
Sidewalks & Multi-Use Paths  
Bike Lanes & Bridges  
Boardwalks & Trails  
Complete Street / Traffic Calming

### On-Site Septic Systems

Soil Evaluations  
New System Design  
Existing System Assessment  
Replacement System Design  
Permitting  
Annual Inspections  
Construction Testing &  
Certifications  
In-Ground, At Grade, and  
Mound Systems,  
Presby Infiltrators, Sand Filters,  
& Pretreatment Systems

### Surveying Services

Boundary Surveys  
Record Research  
ALTA/ACSM Surveys  
Topographic Surveys  
Condominium Surveys  
GIS Mapping  
Aerial Photo Control  
Town Lines  
Construction Stakeout  
Flood Insurance  
Elevation Certificates



**ATTACHMENT B**  
*Lamoureux & Dickinson Consulting Engineers, Inc.*  
*Resumes*

## EDUCATION

University of Vermont  
B.S. Civil Engineering, 1983

## AREAS OF EXPERTISE

- Residential Land Development & Subdivisions
- Permitting
- Construction Engineering
- Water & Wastewater Distribution Design
- Commercial Site and Utilities Design
- Existing Infrastructure Evaluations

## EDUCATION/AFFILIATIONS

- B.S., Civil Engineering, University of Vermont 1983
- Registered Professional Engineer, VT
- Vermont Society of Engineers
- American Society of Civil Engineers

# Douglas Goulette, P.E.

Project Role: Engineer

Mr. Goulette has been a licensed professional engineer and project manager with Lamoureux & Dickinson (L&D), since it started in 1985. He has been responsible for coordinating teams involved in surveying, layout, design, analysis and permitting of numerous projects for L&D.

His work includes preliminary studies, preparation of design plans and construction details, assistance with permit applications, and follow-up to obtain local, state and federal permits and approvals. He has extensive experience with the design of both private and municipal sewer, water and stormwater distribution systems throughout Vermont.

Mr. Goulette also has extensive experience in providing construction engineering services including bid services, construction observation, contract management, review of shop drawings and material submittals, and processing change orders and pay requests.

## Relevant Experience

Richford Transportation Path, Richford, VT – Design of a proposed 2,200 foot long bike/pedestrian path from Troy Street, through a proposed park, and into the downtown business area.

Mill Street Water Main Replacement, Jericho, VT - Design, permitting, bid documents, and construction engineering for over 600' of water main and services replacement along Mill Street.

White Street Water Main Replacement, South Burlington, VT - Final design, bid documents, and construction engineering for over 4,500' of water main and services replacement along White Street.

Derby Mobile Home Park, Derby, VT - Designed 10,000' of gravity sewer, 3,000' of forcemain, and a pump station.

Painesville Manor, - Essex, VT- Preliminary design of 3.5 miles of new sewer, services, and road reconstruction

Forest Glen, Georgia, VT - PRD consisting of 19 single family homes and 23 multi-family units

Cameron's Run, Milton, VT - PRD consisting of 35 single family homes and 12 multi-family units

Autumn Knoll, Essex, VT - PRD consisting of 56 multi-family units

DeLucco Site, Colchester, VT - PRD consisting of 18 multi-family congregate housing units



## EDUCATION

University of Vermont  
B.S. Civil Engineering, 1976

## AREAS OF EXPERTISE

- Transportation Engineering
- Water Supply Engineering
- Construction Engineering
- Land Development & Subdivisions
- Permitting

## GRANT EXPERIENCE

- VTrans & FHWA Transportation Funding
- Vermont Drinking Water & Wastewater Revolving Loan Funds

## TRAINING/CERTIFICATIONS

- Registered Professional Engineer, VT
- Professional Traffic Operations Engineer
- American Society of Civil Engineers
- Institute of Transportation Engineers

# Roger Dickinson

Project Role: Senior Engineer

Mr. Dickinson is a licensed professional engineer and project manager with Lamoureux & Dickinson (L&D). He has been responsible, as Project Principal and Manager, for coordinating teams involved in civil and transportation engineering design, analysis and permitting of numerous projects at L&D.

His work includes transportation impact assessments and the preparation of design plans and construction details for roadway and intersection improvements, transportation paths, subdivisions, site plans and water supply systems. He is also a qualified expert witness, and has provided testimony in state and local permit hearings and appeals.

Mr. Dickinson also has extensive experience in providing construction engineering services including bid services, construction observation, contract management, review of shop drawings and material submittals, and processing change orders and pay requests.

## Relevant Experience

Fort Ethan Allen East Gate Intersection Improvements – Chittenden County Transportation Authority. Mr. Dickinson was responsible for the design of a new traffic signal, intersection improvements and, historic gate restoration at Fort Ethan Allen's East Gate. Mr. Dickinson also provided on-site construction observation and engineering services for this project.

New Water Treatment Facility - Grand Isle Fire District #4. Mr. Dickinson was the project manager and chief designer for a new 0.25 mgd water treatment facility utilizing modular water treatment units. Mr. Dickinson also assisted with obtaining project funding through the Vermont Drinking Water Revolving Loan Fund program.

Lodge at Otter Creek, Middlebury – Bullrock Corporation. Mr. Dickinson was the project principal overseeing and managing the design and permitting of a new senior housing complex that included 100 assisted living units plus 80 independent living units. This project was part of a planned residential development, for which Mr. Dickinson also coordinated obtaining state and local permits for an adjacent 44 lot single family residential subdivision.

New Fire Stations – Town of Waterbury. Mr. Dickinson was the project manager and chief designer of a fast-track project involving the simultaneous construction of two new fire stations. Mr. Dickinson's responsibilities included site layout and design, utility design and permitting.



## EDUCATION

Vermont Technical College  
A. E. Civil Engineering  
Technology, 1992

Rochester Institute of  
Technology  
B.S. Civil Engineering  
Technology, 1995

## AREAS OF EXPERTISE

- Land Development & Subdivisions
- Highway Design
- Construction Engineering
- Stormwater & Erosion Control
- Permitting

## GRANT EXPERIENCE

- VTrans & FHWA  
Transportation Funding

## TRAINING/CERTIFICATIONS

- Registered Professional Engineer, VT
- Certified Professional in Erosion and Sediment Control
- American Society of Civil Engineers  
International Erosion Control Association

# Andrew Rowe

Project Role: Project Manager

Mr. Rowe is a licensed professional engineer and project manager with Lamoureux & Dickinson (L&D). He has been responsible, as Project Principal and Manager, for coordinating teams involved in the design, permitting and construction phase of various projects for public and private clients. He has presented dozens of projects to local planning and development review boards, and has provided testimony before Act 250 District Commissions throughout Vermont and before the Environmental Board.

Mr. Rowe is experienced in the design of stormwater systems, in preparing erosion prevention and sediment control plans, and in assisting with the implementation of erosion prevention measures in the field. Mr. Rowe has extensive experience with the VTrans LTF project development process, having served as both municipal project manager and project engineer on numerous LTF multimodal projects.

## Relevant Experience

Whitcomb Park, Williston, VT - Best fit stormwater detention basin for 20 acres of impervious surface. Also included repair and stabilization of two severely eroding stormwater outfalls.

Finney Crossing, Williston, VT - Mixed use PUD consisting of 356 residential units and 200,000 sf of commercial/retail space. Multiple stormwater treatment practices and offsite stormwater offset project designed and permitted.

East Hill Road, Williston, VT – stormwater offset project permitting for stabilization of a severely eroding roadside ditch.

GMCR Essex Plant, Essex, VT - Site design and permitting for a 478,725 sf manufacturing facility that included onsite stormwater management.

Gardeners Supply, Milton, VT - Site design and permitting for a 130,000 warehouse and distribution center in the Catamount Industrial Park.

Lang Farm, Essex, VT - Stormwater management design and sediment loading analysis for an expansion project in the impaired Indian Brook watershed.

Route 8/100 Sidewalk, Stamford, VT - Reconstruction of the existing sidewalk along Main Road to the School and Town Office.

Route 15 Sidewalk, Jericho, VT - Construction of sidewalks between Palmer Lane and the Jericho/Underhill town line.

Tilley Drive Path, South Burlington, VT - Construction of a cross country path with boardwalk linking Tilley Drive & Community Drive.

Champlain Valley Exposition, Essex Junction, VT - Sitework and planning projects at this regional special events and conference center.



## EDUCATION

University of Vermont  
B.S. Agriculture, 1984

## AREAS OF EXPERTISE

- Land Surveying
- Civil & Highway Engineering
- Construction Engineering
- Land Development & Subdivisions

## GRANT EXPERIENCE

- VTrans & FHWA Transportation Funds

## TRAINING/CERTIFICATIONS

- Licensed Land Surveyor, VT
- Engineering Intern, VT
- Vermont Society of Land Surveyors

# Douglas Henson, LS, EI

Project Role: Survey Manager

Mr. Henson has been responsible for coordinating teams involved in field surveying and land record research, construction layout, design, analysis and permitting of various projects at Lamoureux & Dickinson.

Mr. Henson has performed property surveys and land record research throughout Vermont. His work has also included preparing design plans, construction documents, assisting with local and state permit applications, and follow-up to obtain local, state and federal permits and approvals. Mr. Henson's recent projects have included commercial and residential site plans, residential condominium projects, and transportation paths projects throughout Vermont.

## Relevant Experience

Intervale Bike Path – City of Burlington. Mr. Henson was responsible for the design of a new two mile long bike path paralleling VT Route 127 in Burlington's Intervale. This project included the design and construction of a new boardwalk over a significant wetland and of a new bike path overpass bridge over the New England Central Railroad.

Bike Path – City of Newport. Mr. Henson served as the project manager and chief designer for a new 2.1 mile bike path along the waterfront of Lake Memphremagog in Newport. This project required extensive work with regards to survey and right-of-way acquisition.

Brookfield/Roxbury Town Line – State of Vermont. Mr. Henson performed extensive land record research and field surveys to reestablish the original town line between the Towns of Brookfield and Roxbury. This project included the innovative use of then-new GPS survey technology to efficiently survey over long distances.

Municipal Project Manager – Town of Colchester. Mr. Henson has provided municipal project management and construction engineering services to the Town of Colchester on two highway and pedestrian design projects: the Campus Connector linking Fort Ethan Allen and St. Michael's College, and the Exit 16 Sidewalk Project.



## EDUCATION

University of California,  
Berkeley  
B.S. Soil Science, 1989

## AREAS OF EXPERTISE

- Soil Assessment
- Wetland Delineation and Functional Evaluation
- Wastewater and Stormwater Treatment Design
- Groundwater Hydrology
- Visual Simulations

## TRAINING/CERTIFICATIONS

- Certified Professional Soil Scientist (ARCPACS)
- Vermont Licensed Designer, Class B
- Wetland Delineator Certificate of Training
- OSHA 40-hour Hazardous Waste Operations and Emergency Response Training

# Brian Tremback, CPSS

Project Role: Environmental Scientist

Mr. Tremback is a Certified Professional Soil Scientist, Wetland Scientist, Licensed Designer and Project Manager with Lamoureux & Dickinson. He has managed a wide range of projects including soil assessments, wetland evaluations, wastewater and stormwater treatment design, environmental assessments, stream restoration, and visual simulations.

## Relevant Experience

### Wetland Delineation, Evaluation, and Permitting

- Wetland delineation and evaluation on over 100 projects since 1990.
- Over 50 State wetland permits and a similar number of Federal permits.
- Bike paths in Burlington, Essex, Williston, Colchester, Richford, and Newport.
- VTrans road and bridge improvement projects.
- Dozens of residential and commercial developments.

### Stormwater and Constructed Wetlands

- Bartlett Bay Road Stormwater Treatment System, So. Burlington, VT – Designed an awarded-winning constructed wetland for treating stormwater runoff.
- Shaw's Supermarket, Berlin, VT – Designed one of the first stormwater wetland systems in Vermont; permitting included a Federal Individual Permit and State wetlands permit.
- Stonehedge Stormwater Assessment, South Burlington, VT – Worked with the City and the homeowners associations to prepare recommendations for a stormwater treatment network.

### Environmental Assessment

- Stowe Natural Resources Assessment, Stowe, VT – Inventory, mapping, and assessment of natural resources on 270 acres of municipal land in Stowe.
- Bove Property Natural Resources Assessment, Milton, VT - Inventory, mapping, assessment, and planning on 135 acres of municipal property in Milton.
- Mill Pond, Colchester, VT – Prepared an assessment of potential environmental impacts that would result from the removal of the oldest functioning dam in Colchester.

### Stream Restoration

- Bartlett Brook Restoration, South Burlington, VT – Designed stream corridor restoration for an extensively degraded section of Bartlet Brook.



**ATTACHMENT C**  
*Lamoureux & Dickinson Consulting Engineers, Inc.*  
*Certificate of Liability Insurance*



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
7/21/2014

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Essex Agency, Inc. 2 Railroad Street P.O. Box 239 Essex Junction VT 05452-0239	CONTACT NAME: Mandy Adams	
	PHONE (A/C No. Ext): (802) 878-5334	FAX (A/C No): (802) 878-0852
E-MAIL ADDRESS: mandy@essexagency.com		
INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A MSA Assurance		29939
INSURER B NGM Insurance Company		14788
INSURER C:		
INSURER D:		
INSURER E:		
INSURER F:		

COVERAGES CERTIFICATE NUMBER: 14-15 Master REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	GENERAL LIABILITY	X		BPK6036N	6/1/2014	6/1/2015	EACH OCCURRENCE \$ 1,000,000
	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY						DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000
	<input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR						MED EXP (Any one person) \$ 10,000
							PERSONAL & ADV INJURY \$ 1,000,000
GEN'L AGGREGATE LIMIT APPLIES PER:							GENERAL AGGREGATE \$ 2,000,000
<input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input type="checkbox"/> LOC							PRODUCTS - COMP/OP AGG \$ 2,000,000
B	AUTOMOBILE LIABILITY			B1K6036N	6/1/2014	6/1/2015	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000
	<input checked="" type="checkbox"/> ANY AUTO						BODILY INJURY (Per person) \$
	<input type="checkbox"/> ALL OWNED AUTOS						BODILY INJURY (Per accident) \$
	<input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> SCHEDULED AUTOS NON-OWNED AUTOS						PROPERTY DAMAGE (Per accident) \$
							HIRLI \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR			CUK6036N	6/1/2014	6/1/2015	EACH OCCURRENCE \$ 1,000,000
	<input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE						AGGREGATE \$ 1,000,000
	<input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$						
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			WCK6036N	6/1/2014	6/1/2015	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> OTHER
ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N							E.L. EACH ACCIDENT \$ 1,000,000
If yes, describe under DESCRIPTION OF OPERATIONS below							E.L. DISEASE - EA EMPLOYEE \$ 1,000,000
							E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)  
Coverage is primary & non-contributory to any other insurance. Cert holder is additional insured.

CERTIFICATE HOLDER	CANCELLATION
RPAI US Management LLC RPAI Williston Maple Tree, LLC (36140) 2021 Spring Road, Suite 200 Oak Brook, IL 60523	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE
	Mandy Adams/MADAMS <i>Mandy A. Adams</i>