March 2, 2026 | Qualifications

State of Vermont

Agency of Transportation

At-The-Ready (ATR) Consultant Engineering Services for Municipalities 2026

Municipal Project Management

Contents

March 2, 2026

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

Re: Vermont Agency of Transportation—At-the-Ready Consultant Engineering Services for Municipalities 2026 Municipal Project Management Services

Dear Nydia and members of the Selection Committee:

From aging infrastructure and constrained budgets to evolving community expectations, Vermont's municipalities face complex and often competing demands that require practical, context-sensitive solutions. At VHB, we have spent more than 30 years working alongside the Vermont Agency of Transportation (VTrans) and its municipal transportation partners, gaining a deep understanding of these local challenges and priorities. We are firmly committed to helping communities realize a safer, more efficient, and more connected transportation network. With over 100 Vermont staff, and 2,300 company-wide, we combine strong local presence with the depth of technical resources needed to fully support the VTrans Municipal Assistance Section (MAS) program.

Our team members' experience planning, permitting, and designing a wide range of roadway, bicycle, pedestrian, stormwater, and mulitimodal projects across Vermont has provided us with insights into innovations and potential issues that may arise during the course of delivering these projects. Our staff members have served as Project Administrators for VTrans MAS, Structures, and Park and Ride projects, managing consulting engineers through VTrans' processes and procedures, giving VHB even greater insight into what makes projects successful.

We are extremely pleased to present our proposal and we look forward to working together with Vermont municipalities and VTrans on projects that make our communities even better places to live.

Sincerely,

VHB

Evan Detrick, PE
Contract Manager
Chief Transportation Engineer
edetrick@vhb.com

David Saladino, PE
Principal-in-Charge
Regional Operations Manager
dsaladino@vhb.com

Municipal Project Management

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General Firm Information

MAS Understanding

The Vermont Agency of Transportation (VTrans) Municipal Assistance Section (MAS) was established in the 1990s as the Local Transportation Facilities section of the Program Development Division. Since its inception, its mission has been to work with and support municipalities and other organizations (the project sponsors) to implement transportation projects that improve its communities. This work includes a wide variety of projects, including bicycle and pedestrian facilities, roadway and intersection improvements, bridge and culvert replacements, stormwater improvements, salt sheds, and municipal park and ride facilities.

Projects advanced through the MAS are funded using a variety of sources, often including federal monies such as Transportation Alternatives grants, along with local matching funds, and occasionally state funds such as the Town Highway and Town Structures Grant Programs. With the use of federal and state funds, the projects are administered through VTrans and must be developed following the VTrans project development process outlined in the MAS's Local Projects Guidebook for Locally Managed Projects. Under this process, the municipality manages and develops the project, and VTrans administers the funding and verifies the established process is being followed. Although VTrans helps the municipality with many aspects of the project development, it is ultimately the municipality's responsibility to advance the project. To do so, municipalities rely on the help of consultants. Consultants can assist the municipalities in three different ways:

VHB's Winooski Office Team

- Manage the project on behalf of the municipality as the Municipal Project Manager (MPM)
- Serve as the designer responsible for developing plans and specifications or preparing scoping reports
- Provide construction administration and inspection services

To streamline and simplify the municipal procurement process, the VTrans MAS developed a request for qualifications to identify a list of consultants that can provide services on an "At-the-Ready" basis. VTrans then develops three lists of consultants—one for Municipal Project Management, one for Design, and one for Construction Inspection that essentially pre-qualify firms to provide these services. Once the lists of consultants are established, municipalities must then follow the procurement procedures outlined in the MAS Local Projects Guidebook. Municipalities also still have the option to issue their own solicitations if they prefer. However, by pre-qualifying a pool

of consultants, the MAS aims to make the process easier for the municipalities and condense overall project schedules by eliminating the solicitation effort from the process.

VHB's Support of the Municipal Assistance program

In 2025, VTrans conducted an assessment of the Municipal Assistance program at the request of the Legislature to identify program efficiency improvements. Knowing VHB's depth of experience supporting municipalities, VTrans turned to VHB to conduct the study. VHB engaged with municipalities, regional planning commissions, and VTrans MA Project Managers to understand the program and project delivery from a multitude of perspectives. Based on needs identified through this process, VHB developed recommendations to improve the successful delivery of projects funded through the program including improved communication, training, and risk assessment of projects.

VHB Contact: Evan Detrick, PE
edetrick@VHB.com | 802.497.6179
20 Winooski Falls Way, Suite 400B
Winooski, VT 05404

VHB Principal-in-Charge: David Saladino, PE

Firm Overview

Since 1979, VHB has partnered with public and private sector clients to provide high-quality transportation and stormwater engineering services through an integrated team approach to collaboration. VHB has continued to grow and hone a diverse workforce of 2,300 engineers, designers, scientists, and planners that deliver personalized service and bring value, responsiveness, and excellence to municipalities. We pride ourselves on our ability to guide our clients from initiation to completion of multi-disciplined, challenging, and important transportation projects of all sizes.

Collaboration is a focal point of our approach to projects: VHB professionals routinely work together across practice areas to provide holistic project solutions. We emphasize truly listening to and understanding our client's unique needs while working collaboratively in a partnership. We also routinely incorporate input from stakeholders into our proposed solutions early in each project's development. This approach has helped us develop our strong track record of delivering comprehensive, forward-thinking, and well-supported projects in a timely and cost-effective manner. Evidence of this success can be found in the industry recognition VHB projects receive—and the number of repeat clients we are happy to serve.

The VHB Vermont Difference

VHB is different from other firms and uniquely prepared and suited to assist municipalities with At-the-Ready services in a comprehensive way because we offer many services right from our Vermont offices. VHB offers a broad range of services through our Vermont staff, and we are fully capable to provide Design services, Construction Inspection services, and Municipal Project Management services to municipalities and other local sponsors under this contract. We have provided similar services on dozens of projects for municipalities across Vermont.

VHB's services under this contract will be provided out of our three Vermont offices. We offer a staff of over 100 professionals across Vermont who have experience in the many disciplines that may be required for local projects. Our staff in Vermont includes:

- Transportation and Traffic Engineers
- Structural Engineers
- Rail Engineers
- Planners
- Stormwater Engineers
- Landscape Architects
- Public Relations Specialists
- Professional Land Surveyors
- Boundary and Right of Way Specialists
- Geographic Information System (GIS) Specialists
- Natural Resource and Permitting Specialists
- National Environmental Policy Act (NEPA) Specialists

- Historic Preservationists
- Contaminated Soils Scientists
- Construction Administrators and Inspectors

Our Vermont offices provide the full range of services anticipated under nearly every MAS project. We take great pride in helping VTrans and municipalities improve the already great quality of life in Vermont. Our local presence, knowledge of VTrans' practices and expectations, and depth of resources allows us to provide personal service, value, and responsiveness every time.

We've put together a team in this proposal that reflects VHB's continued commitment to improve mobility, and enhance Vermont communities. While every project does not require this deep pool of talent, the resources are there when needed and our Vermont team can continue to call upon these key people as they have in the past.

Team Accessibility

Our local presence throughout Vermont allows us to take a hands-on approach to municipal project management services. We understand that project management often requires immediate action. When issues arise through the scoping study, design or construction of a project, it is necessary to resolve the issue quickly so that the project remains on schedule and budget.

We understand that Selectboard members, Town Administrators/Managers, and other municipal personnel are sometimes called by residents expressing concerns with infrastructure projects that the Town has undertaken. Often, the municipal official is looking to get answers addressed right away so they can let the resident know what the Town is doing about their situation. VHB understands the need to get back to constituents as quickly as possible and will respond to a municipal calls promptly. When providing services on behalf of clients our goal is to be as accessible as possible. Our team members pride themselves in being accessible for a client's needs day and night.

Integrated Services Approach

The VHB Vermont staff has a wide range of skills and experience to cover the complete range of services needed under this retainer. These Include:

- Preparation of RFPs/RFQs for design and construction phase services
- Budget preparation and tracking
- Schedule preparation and tracking
- Meeting arrangement and facilitation
- Project administration
- Acting as liaison between the project sponsor and VTrans, the designer, the contractor, utilities, and resource agencies

As projects are progressed, VHB's Project Manager will coordinate with our in-house technical experts to solicit insights and fully understandpotential risks and opportunities so we and can provide feedback that informs the overall project strategy. This approach means that our MPMs have a deep understanding of all project issues, that the best design ideas advance, and the final product meets the goals of the community.

As MPM for recent projects in Plainfield, VHB brought in NEPA specialists to meet with Town officials to discuss environmental and permitting considerations for a potential realignment of Brook Road to avoid future flooding issues. Additionally, VHB senior bridge engineers performed a review of the design consultant's alternatives analysis and provided guidance on potential alternate superstructure types for a bridge replacement project.

One advantage that VHB offers is that all of our MPMs are engineers. They understand the design and construction aspects of their projects and provide an additional layer of checks and balances to verify that the engineering design is sound, and the construction is being performed in accordance with the municipality's and designer's intentions.

Previous Experience

VHB's Vermont staff was built around our relationships with local municipalities and VTrans. We are excited to continue our partnerships with municipalities throughout the state and look forward to the opportunity to provide innovative, high quality transportation infrastructure projects in the future.

Current Municipal and Regional Planning Commissions On-Call Engineering Services Contracts

- City of Burlington
- City of South Burlington
- City of Winooski
- City of Montpelier
- Town of Middlebury
- Chittenden County Region Planning Commission
- Northwest Regional Planning Commission

Current Vermont Agency of Transportation On-Call Retainers and Contracts

- General Environmental Services
- Highway Resurfacing Services
- Historic Preservation Services
- Hydraulic Engineering Services
- Natural Resource Services
- Park & Ride Engineering Services
- Policy & Planning Services
- Railroad Engineering Services
- Roadway & Traffic Engineering Services
- Structural Engineering Services
- Survey and Right of way Services

Commitment to Quality

Since the firm's inception, VHB has practiced a Quality Control process that was not only based on checking a product but a review by senior technical engineers to make sure of its conformance with the design requirements of the client. Today this process has evolved into a formal QA/QC program. It is an integral part of the client-focused service element of VHB. QA/QC is a planned program of continual improvement of VHB's work processes and project management techniques. **The goal of VHB's QA/QC program is to provide continuously improving service to our clients, faster production, better ideas, and more cost-effective ways in which to produce the work.** This translates into client benefits including saving money, accelerated schedules, and reduced problems during construction.

For MPM Services, this dedication to quality is reflected in how we manage the project and the questions we ask throughout project planning, design and construction to contribute to municipal client is getting the right design, on schedule and within budget.

The Project Team

The Organizational Chart on the following page shows the core team and key support staff that will work on this retainer contract. The staffing for the VHB team will be flexible, and we will always provide the right people for each individual project.

Under this retainer, **Contract Manager Evan Detrick, PE,** will be the initial point of contact for VTrans and municipalities for all assignments. Depending on the specific project, Evan will either serve as the MPM, or assign another VHB Project Manager in consultation with the municipality and VTrans MAS Project Supervisor.

The VHB Project Manager will be determined based on the best interests of the municipality and will not be finalized until the municipality and VTrans are in agreement. For every assignment, Evan will verify the project is moving along as expected and VHB's services are meeting the expectations of the client and VTrans. Brief biographies of our key team members are shown in the following section.

Municipal Project Management

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Organizational Chart

Principal-in-Charge
David Saladino, PE

Contract Manager
Evan Detrick, PE ▲

Technical Advisor
Aaron Guyette, PE ▲

Project Managers

Evan P. Detrick, PE ▲
Jennifer Conley, PE, PTOE ▲
Daniel M. Peck, PE ▲
Drew Gingras, PE ▲
Branden Roberts, PE ▲
Karen Sentoff, PE ▲
Cierra Ford, PE ▲
Jason Keener, PE ▲
Jamie Roy, PE ▲
Scott Burbank, PE ▲

Support

Historic/Cultural Resources
Kaitlin O'Shea
Al Honsigner

Hydrologic and Hydraulic Studies
Robert Wildey, PE, CPESC

Rail Crossings
Scott Burbank, PE ▲

Contaminated Soils
Kurt Muller, PE

Right of Way/Survey/GIS
Ryan Cloutier, LS

Landscape/ Streetscape Design
Michael Willard, LEED AP, ASLA

NEPA/Permitting
Brad Ketterling

Structural Design
Aaron Guyette, PE
Ryan Barnes, PE

Traffic Analysis
Evan Haugh, EIT

▲ = Key Personnel

Municipal Project Management

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Technical Capability

Understanding

The Municipal Project Manager (MPM) has a very important role in the development of projects through the MAS. The MPM is the liaison between VTrans and the project sponsor; prepares solicitations to retain the design consultant and the construction inspection firm; monitors the design consultant to verify they are advancing the project in accordance with the VTrans project development process, and advancing the project on time and within budget; reviews project invoices and pay requisitions; and manages the overall project development process to make certain it is advancing as planned. The MPM is also responsible to keep the municipality or other sponsor appraised of the project's progress by providing regular updates and coordinating directly with municipal officials, and for explaining any aspect of VTrans requirements to the municipality.

Typical MPM responsibilities may include:

- Make sure the project follows the "Project Development Process" and adheres to the MAS' "Guidebook for Municipally Managed Projects"
- Coordinate project activities and monitor project development
- Review the project deliverables for adherence to federal and state regulations
- Review and monitor a master schedule
- Act as member of selection team for RFP/RFQs
- Make sure that provisions of consulting/contracting contracts are met and submitted on time and within cost limits
- Review all project invoices for accuracy, completeness and reasonableness
- Monitor that any permit mandates, conditions and stipulations are incorporated in the project design
- Contribute to the review of project plans and documents
- Assist the municipality in right-of-way issues
- Assist the municipality and design engineer with utility issues for the project
- Review the project for compliance with federal, state and local laws, ordinances, regulations and permit requirements
- Assist the municipality in engaging the public
- Review the bid package for construction for general conformance with federal and state regulations
- Provide project administration of project during construction
- Secure certification to VTrans that the project was constructed as designed
- Keep a master project file, to become the possession of the Town once the work is completed

Qualifications

VHB's management team is very experienced with completing the full range of MPM services required for municipal transportation projects. Municipal projects require a full range of skills from concepts through the final design and construction phases. Our team members have experience in many aspects of engineering, survey, environmental permitting, public involvement, traffic engineering, bicycle and pedestrian design, landscape design, right-of-way acquisition, and construction services. We understand the complexity of such projects and have completed them successfully for municipalities as well as VTrans. VHB has managed projects from the owner's side and also has extensive experience in completing the actual design, permitting and construction of projects as consultant engineers.

Along with our experience working closely with Vermont municipalities and VTrans, we also bring a breadth of knowledge of the policies and procedures of organizations including:

- Agency of Natural Resources
- Army Corps of Engineers
- FEMA
- Federal Highway Administration

Having this additional knowledge and close relationships allow us to continually offer unique input, ideas, and solutions based upon a broad range of experience as well as the latest technologies and protocols. Our management team offers strategic approaches to problem solving and strives to employ innovative solutions when faced with challenging project situations.

Multidisciplinary Understanding

VHB offers the focus and personal attention of a small consulting firm and designated MPM backed by the in-house resources of a multidisciplinary company, with nearly 100 employees in Vermont alone. Our in-house professionals work closely with our supporting team members to provide detailed reviews so that proposed improvements are based on contextual realities that allow for functional planning and development scenarios. By integrating our service offerings and establishing dedicated, strategic project support, we quickly achieve a deep understanding of each project and challenge and turn that understanding into context-driven implementable solutions. While we will be focused on primarily providing MPM services under this retainer, we always have the specific technical skillset just "down the hall" from our MPM's office if questions arise on the project.

The VHB Philosophy for Municipal Project Management

1. **Listen intently**—We start by actively listening to understand your vision, your ideas, your constraints and even your frustrations. The best way we can help is by understanding your perspective and desired outcomes. We also want to understand the work that may have already transpired and build on it in moving forward.
2. **Understand the Context**—No decisions can be made in a vacuum, so we try to understand how decisions in one aspect of the project might affect others. Our management brings extensive knowledge of projects from start to finish, so we are well suited to quickly comprehend how one aspect may relate to another. We also bring a deep understanding of communities throughout Vermont.
3. **Share Relevant Experiences and Examples**—With a broad background in so many types of projects across Vermont, VHB draws on our strong experience gained through both the management and design perspectives. We have the ability to point to real-life examples where our project management and design concepts have succeeded and are always willing to share these experiences with our clients whenever helpful.
4. **Involve Stakeholders**—Ultimately a municipality's decision makers will make the final selections on all issues with input from VTrans, but a project is always more successful with the input and support of local property owners, merchants, and the general public.
5. **Tell it like it is**—We believe in explaining our honest opinions and factual information even if opposition arises. As engineers and design professionals, we rely on facts and remain objective amidst controversy. We do not succumb to endorsing grand ideas if they are not also feasible, fundable, permittable, or sustainable. We strive to find creative and innovative solutions that are also grounded in practicality.

6. **Communicate**—Informed decisions are generally the best decisions. Therefore, it is the MPM's goal and responsibility to communicate relevant information that will allow the Town to make appropriate decisions and give constructive input.
7. **Collaborate**—The VHB management team has successfully functioned as an integral part of management and design teams on hundreds of Vermont projects. We know that our approach results in a working relationship that is productive, professional and enjoyable. Our skill sets complement our teaming partners, and we feed off the energy and creativity of a collaborative approach. We are most effective when fully engaged as a team with the project and the people that are involved.

Experience with Financial Management

VHB has provided financial management of projects for clients throughout Vermont and will serve a critical role during project development by ensuring all team members follow established best practices in financial management, reporting, and accounting. VHB is committed to providing the tools and resources to successfully manage projects both technically and financially. Our financial management and reporting protocols have been used company-wide on projects that range from very small to $200M in construction costs. We bring our clients the experience and insight of successful financial leaders in the profession on best practices such as reporting guidelines, accounting issues and risks, self-auditing, risk management, schedule and budget impacts, and much more.

Project Records and Document Access

In order to facilitate the continuously evolving project records, decisions, designs, drawings, protocols, procedures, etc., VHB can deploy and manage a secure project collaboration internet site that will not only manage financial aspects but all facets of document tracking. Consistent and sustained communication efforts with and among team members will optimize the process and minimize reworking or recalling information previously discussed. The site will have various access controls so MPM's and municipalities can manage who has access to what components. VHB has successfully established project collaboration sites for several VTrans design-build projects and numerous municipal infrastructure projects.

Experience with Preparing Requests for Qualifications and Scope of Services

VHB has extensive experience in the preparation of Requests for Qualifications (RFQ) facilitating Qualifications Based Selection (QBS) Procurements, as well as a thorough knowledge of preparing a Scope of Services (SOS). Our unique knowledge base of having been on both the design and management sides of recent VTrans and MAS procurements provides unparalleled experience from the VHB Team.

We are well-versed in the federal requirements of consultant services contracting and understand the Brooks Act (Public Law 92-582), which is the federal legislation that led to the requirement of QBS Procurement for Federal Aid Engineering Services Contracts. QBS selection requires the submission of both a technical SOQ and a separately sealed Price Proposal. While the initial selection of a consultant is based solely on qualifications, prior to award there is a negotiation phase that allows for further definition of consultant scope and fee. If the owner and consultant cannot come to terms on a mutually acceptable scope and fee, negotiations would then begin with the second most qualified firm.

VHB has worked with many of the engineering consultants and construction contractors throughout Vermont. As MPM, VHB will advise municipalities on our experience working with any engineer or contractor they are considering hiring. We can tell you what strengths and potential weaknesses each has regarding costs, schedules, change orders, skillset, etc., so you can make an informed decision before entering into a contract for design or construction.

Community Outreach in South Burlington

The Importance of Public Outreach

A critical component of any public project is to maintain clear communications among the municipal staff, local stakeholders, state agencies, and the community, as well as establish channels to raise questions and find answers in a timely and cost-effective manner. The results of such a collaborative process will be consistent messages, public awareness and education, stakeholder buy-in, a consensus on priorities, and a project that meets the municipality's needs and the public's expectations.

VHB has extensive experience in facilitating the public outreach process. We understand that community involvement is an integral part of the project development process. With the need of communities to understand the infrastructure planning and design process, and how it affects and improves their quality of life, comes a significant investment and commitment to stakeholder participation and outreach. A personalized community outreach plan caters to the project and community's needs, as well as balances important planning goals. VHB's key staff have a strong record of successfully facilitating the public process throughout Vermont, whether it is conducted for a town-wide master plan, a highly contested infrastructure project, or a small intersection improvement.

Project Experience

VHB was the first consultant to provide Project Administrative Services for the VTrans Structures Section and continued to provide these services today for the MAS on their Park & Ride projects until 2023. In addition to providing Project Administrative Services on numerous Design-Build projects for the Structures Section, VHB also provided Project Administration Services directly for VTrans on 17 projects for the Highway, Safety, and Design Section, 29 projects for the Rail Section, four projects for Structures Section and six Park and Ride projects for the Municipal Assistance Section which also follow the VTrans Project Development process. We most recently provided these services directly to VTrans on their large BUILD grant project to replace numerous railroad bridges in the Rutland area.

VHB is also currently providing MPM services to the Town of Plainfield for the the Mill Street Bridge (Br #20) and Brook Road Bridge (br #21) replacement projects, and previously provided MPM services to the Town of Duxbury for its Scrabble Hill Road Slope Stabilization Project. See additional details on the following page.

Mill Street Bridge and Brook Road Bridge Replacement Projects | Plainfield, VT

VHB is currently providing MPM services to the Town of Plainfield for the Mill Street Bridge (Br #20) and Brook Road Bridge (Br #21) replacement projects, leading overall project coordination among the Town, VTrans, design engineers, utility providers, and other stakeholders to confirm compliance with the VTrans Project Development Process and MAS Guidebook. Responsibilities include developing and maintaining the master project schedule; preparing and managing RFPs/RFQs and scopes of services; administering consulting and construction contracts; and maintaining thorough project documentation to support funding, reporting, and potential audits. VHB will oversee the design consultant's permitting and compliance efforts so that the new bridges meet all federal, state, and local requirements, including environmental, structural, safety, and traffic control standards. Throughout design and construction, VHB is reviewing plans and submittals to improve constructability, manage costs, expedite delivery, and ultimately provide project administration and final certification that the bridge has been constructed in accordance with approved plans and standards to enhance long-term community safety and resiliency.

Contact: Tammy Farnham (Selectboard Member)
802.454.8461 | tammy.farnham@outlook.com

Scrabble Hill Road Stabilization | Duxbury, VT

For this project that included the roadway repair and embankment stabilization of approximately 1,000 LF of Scrabble Hill Road, VHB served as MPM, managing the project on behalf of the Town. Within the project area Scrabble Hill Road is very steep, with the granular fill that the road was constructed on not conducive to road construction and had subsequently eroded repeatedly over many years, leading to washouts and temporary road closures. VHB assisted the Town by managing and coordinating among the Town, VTrans, design and resident engineers, utility providers, contractors, and other stakeholders to confirm the project followed the VTrans Project Development Process and the MAS Guidebook for Municipally Managed Projects. The project was completed in 2024.

Contact: Mari Pratt
802.279.6470 | Mari.DuxburyVT@gmail.com

Key Personnel

Evan P. Detrick, PE

Contract Manager | 42 years of professional experience, 10 years with VHB

Evan is Chief Transportation Engineer in VHB's Winooski office with over 40 years of experience supporting federal, state, and municipal projects. Evan's responsibilities include scoping and budgeting, personnel and work assignment scheduling, project management, and quality control. He has completed the design and management of projects, including a variety of sidewalks, pathways, and trails; roadways on new alignments; roadway widening and rehabilitation; bridge construction and replacement; environmental assessments in accordance with NEPA; traffic signal improvements; property and topographic surveys; floodplain certifications; and numerous stormwater improvement projects.

Jennifer Conley, PE, PTOE

Contract Manager | 32 years of professional experience, 7 years with VHB

Jennifer is VHB's Director of Transportation for Vermont. She has extensive project management experience for VTrans as well as municipalities throughout Vermont. She has managed dozens of traffic engineering projects including planning and scoping studies, traffic operational studies, traffic studies, traffic signal design, and regional traffic modeling. Incorporating all roadway users, Jennifer has designed Complete Streets throughout New England. She has also managed transportation master plans for municipalities and institutions and conducted corridor studies.

Scott Burbank, PE

Project Manager | 31 years of professional experience, 16 years with VHB

Scott is a Senior Project Manager in VHB's Winoosk office with extensive experience in planning, design and construction of both highway and railroad bridges and roadway reconstruction projects. His qualifications also include services for quality control and quality assurance, construction cost estimating, accelerated bridge construction (ABC), and structural inspections of both railroad and highway bridges. Scott has extensive experience managing projects on behalf of the VTrans MAS through his experience managing multiple Park & Ride projects directly for VTrans.

Daniel M. Peck, PE

Project Manager | 26 years of professional experience, 26 years with VHB

A civil engineer with focus on transportation projects ranging from scoping studies and design projects (conceptual through contract design) of roadway, intersection, sidewalk and multi-use path projects that follow the VTrans MAS process, to include public informational meetings, review of right-of-way plans, development of construction estimates, and utility coordination.

Jason Keener, PE

Project Manager | 18 years of professional experience, 14 years with VHB

Jason is a Transportation Engineer and Project Manager in VHB's Winooski office with experience in culvert, roadway, and bridge replacement, Vermont stormwater standards, and construction inspection. His skills include computer-aided drafting programs MicroStation as well as surveying with a robotic total station.

Jamie Roy, PE

Project Manager/Structures | 15 years of professional experience, 2 years with VHB

Jamie is a Structural Engineer and Project Manager in VHB's Winooski, Vermont office with experience managing a wide variety of bridge projects, ranging from small rural single-span projects to large urban bridge projects with complex traffic and utility considerations. Her design expertise includes single- and multi-span bridges, trusses, prestressed concrete beams, steel girders, reinforced concrete rigid frames, box culverts, load ratings, and bridge inspections. She also has experience in Accelerated Bridge Construction (ABC).

Drew Gingras, PE

Project Manager | 14 years of professional experience, 13 years with VHB

Drew is a Project Manager and Engineer with experience in transportation projects including bike/pedestrian planning and design, planning and scoping studies, traffic operations analysis, traffic calming design, and complete street conceptual design. Drew has designed more than 30 miles of on-street bicycle facilities, and has served as the design engineer on bicycle and pedestrian design projects throughout the northeast. Drew served as the Project Engineer for both the Colchester Avenue and East Allen Street Corridor Studies with the Chittenden County Regional Planning Commission (CCRPC).

Karen Sentoff, PE

Project Manager | 13 years of professional experience, 7 years with VHB

Karen joined the VHB team bringing experience as a transportation researcher and analyst at the University of Vermont Transportation Research Center. Her prior studies in civil and environmental engineering and her professional background in transportation represent a versatile set of skills supporting work at the confluence of transportation planning, design, and research. Karen continues to be excited by novel methods of transportation data collection, analysis, and modeling. She applies this to create practice-ready solutions to the real-world problems tackled by her team.

Branden Roberts, PE

Project Manager | 12 years of professional experience, 12 years with VHB

Branden is Director of Transportation Engineering, with experience in roadway design, bicycle and pedestrian facility design, as well as field inspection experience with construction materials like concrete, soil, and asphalt. He has performed many tasks including horizontal and vertical alignment design, roadway/multiuse trail modeling and cross section development, guardrail design, open flow and closed drainage design including watershed delineation, and quantities. He has experience in performing the above tasks by hand and utilizing computer aided programs such as MicroStation, Inroads, AutoCAD Civil3D and StormCAD.

Cierra Ford, PE

Project Manager | 8 years of professional experience, 8 years with VHB

Cierra is a Transportation Designer in VHB's Vermont office, with experience in scoping and design, construction inspection, developing plans and managing projects. Cierra's services include drafting preliminary and final design plans using MicroStation and assisting senior project managers and engineers to complete design calculations for civil and structural projects. Cierra is managing several design projects being administered through the VTrans MAS, and has managed several construction projects also developed through the VTrans MAS.

Municipal Project Management

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Resumes

Education

BS, Civil Engineering, Pennsylvania State University, 1984

BA, Liberal Arts, East Stroudsburg University of Pennsylvania, 1984

Registrations/Certifications

Professional Engineer (Civil), VT

Affiliations/Memberships

Vermont Society of Engineers

Evan P. Detrick, PE

Contract Manager

Evan is Chief Transportation Engineer in VHB's Winooski office with over 40 years of experience supporting federal, state, and municipal projects. Evan's responsibilities include scoping and budgeting, personnel and work assignment scheduling, project management, and quality control. He has completed the planning and design of projects, including a variety of sidewalks, pathways, and trails; roadways on new alignments; roadway widening and rehabilitation; bridge construction and replacement; environmental assessments in accordance with NEPA; traffic signal improvements; property and topographic surveys; floodplain certifications; and numerous stormwater improvement projects.

Since initially working on a municipal project administered through VTrans MAS (then LTF) in 2004, Evan has worked continuously on MAS projects continuously over the past 22 years. Evan has managed, directed the design, provided construction administration support and worked through the MAS project development process on over 100 municipal projects.

41 years of professional experience and 9 years with VHB

VTrans Municipal Assistance Bureau, At-the-Ready Retainer Contract

With Evan as Contract Manager, VHB was selected by VTrans for the 2023 MAB "At-the-Ready" list of transportation engineering consultants that are pre-qualified to perform consultant services to state municipalities. VHB was selected under all three categories, including Project Management, Design, and Construction services.

Town of Plainfield, Bridge 20 and Bridge 21 Replacement, Plainfield, VT

Evan is the Municipal Project Manager for the Town Plainfield for the replacement of Bridges 20 and 21. In this role, he is managing and facilitating coordination among the Town, VTrans, design engineers, utility providers, contractors, and other stakeholders to ensure the project follows the VTrans Project Development Process and the Municipal Assistance Section (MAS) Guidebook for Municipally Managed Projects. Evan is also leading the Town's efforts to secure and comply with all required permits, approvals, and certifications, ensuring the bridge replacement meets applicable federal, state, and local regulations.

Local Project Management, Hartford Roundabout Project, STP 0113(59)S, Hartford, VT.

Prior to joining VHB, Evan was Local Project Manager for the construction of roadway improvements along the western end of Sykes Mountain Avenue. The project improved traffic flow through and access to businesses, enhance safety, and improved roadway surfaces/ stormwater drainage. The project included construction of two roundabouts, sidewalks, streetscape improvements, and roadway reconstruction. Providing support to the Town by: acting as a liaison between the Town and VTrans, advising the Town regarding the VTrans MAB Project Development Process, reviewing engineering consultants progress as the design

Evan P. Detrick, PE

is developed, acting on behalf of the Town for right of way negotiations, facilitating public meetings and discussions, assisting in the review of construction bid documents once the design is completed, performing administrative duties during construction, and keeping records of project correspondence and files. The project is funded by FHWA, administered by VTrans, and is developed in accordance with the VTrans Project Development Process.

Education

BS, Civil Engineering, University of Vermont, 2003

Registrations/Certifications

Professional Engineer (Civil), VT

Professional Engineer (Civil), NC

Affiliations/Memberships

American Society of Civil Engineers, Vermont Section

Vermont Society of Engineers

Aaron Guyette, PE

Technical Advisor

Aaron is VHB's Vermont Director of Structures and Vermont Transportation Market Lead with extensive experience in planning, design, and construction of transportation infrastructure projects. His qualifications also include services for project management, quality management, utility design and coordination, structural design of bridges, constructability reviews, resident engineering, and alternative delivery project services, such as design-build, and Construction Manager/General Contractor (CMGC).

23 years of professional experience and 17 years with VHB

VTrans, I-89 Exit 17 Interchange Reconstruction, Colchester, VT

Aaron is the Project Manager for this major transportation infrastructure project for the Vermont Agency of Transportation (VTrans) to reconstruct Exit 17 on Interstate 89 in Colchester. As Project Manager, Aaron was responsible for leading the design and coordinating between the project team, project stakeholders, and regulators to execute the contract. The project addressed safety concerns at the interchange and the replacement of the structurally deficient bridge over the interstate. In addition, the project includes new ramp construction, ramp relocation, roadway widening, reconstruction of three signalized intersections, bicycle and pedestrian accommodations, and stormwater treatment. VHB led the environmental permitting and engineering design efforts, including traffic modeling and engineering, highway geometry design, structural engineering, environmental permitting, transportation management, and public outreach.

VTrans, Middlebury Bridge and Rail Project, Middlebury, VT

Aaron was the Project Manager for this project for VTrans to replace two 93-year-old bridges spanning the Vermont Railway mainline track in downtown Middlebury. The project used CMGC project delivery. VHB was the lead designer and provided integrated environmental and engineering services for the demolition of the existing bridges and construction of a new precast concrete tunnel. The project also included significant work to lower 3,500 linear feet of railroad track and provide appropriate vertical clearance, along with improved streetscaping, upgraded municipal drainage features, creation of street and sidewalk improvements, and has allowed for the return of passenger rail. In his role as Project Manager, Aaron coordinated with VTrans, the VHB design team, subconsultants, the Town, and the contractor over multiple years of design and construction.

VTrans, Barre Quarry Street Reconstruction, Barre, VT

Aaron is the Project Manager for this project to reconstruct Quarry Street in the City of Barre. The project includes roadway widening, geometry modifications, full-depth reconstruction, a new traffic signal at the intersection of VT 14, a new pedestrian sidewalk, reconstruction of an at-grade railroad crossing with new active warning devices, utility relocations, and stormwater management. VHB is performing all design tasks, including conceptual design, National Environmental Policy Act (NEPA), preliminary design, and environmental permitting. It is anticipated that VHB will be performing final design and construction phase services in

the near future. The project requires ongoing coordination efforts with the City of Barre, Barre Town, VTrans, the Federal Highway Administration (FHWA), and Vermont Rail System.

VTrans Design-Build Services

VHB has provided Design-Build engineering services to VTrans for more than 15 years. During this time, Aaron has been the project manager for each of the Design-Build Projects and for the VTrans Design-Build procedures documentation effort. Each project included development of Base Technical Concepts, NEPA documentation, utility coordination, ROW coordination, geotechnical investigation, development of Requests for Qualifications and Requests for Proposals, and support during the design and construction phase of the project. Through providing these services, VHB helped to not only deliver the projects but also to define the VTrans Design-Build process.

VTrans, Structures Program Project Administrator Services, Vermont

For VTrans, Aaron was the Project Administrator for four VTrans Structures Projects. The projects included bridge replacement and rehabilitation in Lincoln, New Haven, Rockingham, and Barton. The projects were developed and constructed as part of the Accelerated Bridge Program. VHB assisted the VTrans Project Manager from scoping through construction, with management of other consultants, management of the VTrans Project Development Process, project scheduling, and internal coordination for scoping, permitting, design, procurement, and contracting.

CCRPC, Chittenden County I-89 2050 Study, Vermont

Aaron was the Deputy Project Manager for this project, which will help to shape the future vision for the I-89 corridor through Chittenden County with a concentration focus on the South Burlington and Burlington area. The Chittenden County I-89 2050 Study was a critical undertaking for the CCRPC and VTrans, as well as a very exciting opportunity for travelers in Vermont and New England. The study focused on providing accessible, safe, efficient, resilient, and interconnected mobility choices along the I-89 corridor for our region's businesses, residents, and visitors, as well as auto and freight traffic. The project included planning-level concepts for transportation movements to serve all modes and analysis for anticipated environmental impacts related to the concepts. The study was advanced through the lens of developing a clear implementation plan with constructible concepts to enhance the transportation network.

VTrans, SHRP2 C19 Process Documentation, Vermont

For VTrans, Aaron was the Project Manager and Lead Researcher for this project aimed at expediting project delivery through the VTrans Structures Accelerated Bridge Program (ABP). The project included documentation of the existing ABP development process, participation in peer exchanges with neighboring DOTs, conducting key stakeholder interviews with VTrans, contractors, and municipalities, and developing recommendations to gain additional efficiency in project delivery.

Education

BS, Civil & Environmental Engineering, University of Delaware, 1998

Registrations/Certifications

Professional Engineer (Civil) VT

Professional Engineer (Civil) NH

Affiliations/Memberships

Institute of Transportation Engineers, Vermont, Vice President

David Saladino, PE

Principal-in-Charge

Dave is the Regional Operations Manager for Vermont. He has more than two decades of project management, transportation engineering, traffic engineering and transportation planning experience in both the public and private sectors. Dave's recent project experience includes transportation scoping and corridor planning, traffic impact studies, parking studies, transportation microsimulation modeling, and design of intersections, roundabouts, roads, sidewalks, and traffic signals..

28 years of professional experience and 10 years with VHB

Chittenden County I-89 2050 Study, Chittenden County, VT

David is Project Manager for a multiyear study of the Interstate I-89 corridor through Chittenden County. The project involves close collaboration with project clients (VTrans and CCRPC), stakeholders, and members of the public to develop a comprehensive plan for improvements along I-89 through 2050, including assessment of interstate widening, new/improved interchanges, and technology upgrades.

Vermont Visitor Information Center Evaluation, Statewide, VT

Served as Project Manager for the Statewide Visitor Information Center Study which provided a comprehensive evaluation of Vermont's Visitor Information Center program, including a detailed financial analysis of several 20-year future scenarios. The study was conducted in partnership with VTrans, Vermont's Department of Buildings and General Services (BGS) and the Agency of Commerce and Community Development.

I-89 Exit 12B/Tilley Land Use and Transportation Plan, South Burlington, VT

Served as Project Manager for the VT116-Kimball-Tilley Land Use and Transportation Plan, leading a team that examined the Tilley Drive/Kimball Avenue area of South Burlington to identify a package of transportation and land use recommendations that would foster a dense, mixed-use, multimodal development pattern. The project involved significant outreach to abutting landowners and members of the public.

Burlington South End Multimodal Center Feasibility Study, Burlington, VT

Served as Project Manager for the Burlington South End Multimodal Center Feasibility Study which evaluated the feasibility of constructing a multimodal transportation center, parking garage, and other uses on a City-owned parcel in Burlington's South End.

Williston Road Network Transportation Study, South Burlington, VT

Served as Project Manager for the Williston Road (US 2) Network Transportation Study which examined a twenty-year growth horizon for the Williston Road corridor in South Burlington to identify a package of transportation and land use recommendations that would encourage a more vibrant, walkable, and safe corridor in the future. The project involved significant outreach to abutting landowners and members of the public.

David Saladino, PE

US 7-Old Hollow Road, Intersection Scoping Study, Ferrisburgh, VT

Served as Project Manager for a VTrans Intersection Scoping study of the US 7/Old Hollow Road/Stage Road intersection in Ferrisburgh, Vermont. The project involved an evaluation of existing conditions, committee and stakeholder outreach, alternatives evaluation, and identification of a preferred alternative.

Malletts Bay Transportation Scoping & Stormwater Management System Study, Colchester, VT

Served as overall Project Manager for this three-part scoping study, which involved a bicycle and pedestrian scoping study for a new facility along West Lakeshore Drive, an intersection scoping study for the Lakeshore Avenue/Blakely Road intersection, and a stormwater scoping study for the Malletts Bay area.

US 302 / Barre-Montpelier Road Diet Evaluation, Berlin, VT

Served as Project Manager to evaluate the effectiveness of a Road Diet project along 1,900 feet of the Barre-Montpelier Road (US 302) in Berlin. VHB conducted extensive pre- and post-construction data collection to provide VTrans with an objective assessment and recommendation as to whether the road diet should remain in place or whether the lane configuration should go back to pre-construction conditions.

US 7/Charles Ave/Monroe Street Intersection Scoping Study, Middlebury, VT

Served as Project Manager for the scoping of intersection operational and safety improvements to the US 7/Charles Avenue and US 7/Monroe Street intersections in Middlebury, VT. The project includes public outreach, development of alternatives, identification of a preferred alternative, the development of conceptual plans, and the preparation of a Scoping Report.

East Allen Street Corridor Scoping Study, Winooski, VT

Served as Project Manager for a CCRPC Corridor Scoping Study along the East Allen Street (VT 15) corridor in Winooski, Vermont. The project involved an evaluation of existing conditions, committee and stakeholder outreach, alternatives evaluation, and identification of a preferred alternative.

Winooski Transportation Master Plan, Winooski, VT

Served as Project Manager for the development of a Transportation Master Plan for the City of Winooski, Vermont. The Master Plan was the culmination of significant, stakeholder outreach, planning and technical analysis, and coordination with City staff to develop an Action Plan for Winooski's transportation infrastructure.

Education

BS, Civil Engineering, Rensselaer Polytechnic Institute, 1993

Registrations/Certifications

Professional Engineer (Civil), VT, 07/2026

Professional Engineer (Civil), MA, 06/2026

Professional Engineer, NH, 12/2025

Professional Engineer, ME, 12/2025

Professional Engineer, RI, 06/2025

Affiliations/Memberships

Institute of Transportation Engineers, New England, 1992

Rensselaer Polytechnic Institute Civil and Environmental Engineering Advisory Board, 1997

WTS International, Boston, 1995

WTS International, Vermont, 2018

Jennifer Conley, PE, PTOE

Project Manager

Jennifer is VHB's Director of Transportation for Vermont. She has extensive, varied transportation engineering experience, having managed engineering design tasks for projects throughout New England, including preparation of traffic management and traffic control plans, traffic operational studies and design, and engineering design for traffic control devices and signalization. Recently she has worked with State Agencies to improve safety, participating in work zone safety guidance efforts in Vermont and Florida and assisting VTrans with the advancement of their HSIP Program and to complete their SHSP, HSP and Annual Reporting.

32 years of professional experience and 6 years with VHB

CCRPC, Colchester Avenue Bikeways, Parking, and Intersection Safety Study, Burlington, VT

Jennifer has served as the Project Manager for Colchester Avenue Study leading the Project Team through the assessment of existing conditions, engagement of the public to determine the local concerns, and the development, evaluation and presentation of alternatives. Ms. Conley and the VHB team worked closely with a diverse Advisory Committee of local residents and business representatives and engaged the public through both in person and online public meetings. The selection of a preferred alternative was determined through polling at the public meeting followed by lively discussion at the Advisory Committee meeting. The final Study was approved by the City Council.

City of Burlington, Great Streets – Main Street Revitalization, Burlington, VT

As the Transportation Task Leader, Jennifer has supported multiple facets of the Great Streets—Main Street Revitalization. Jennifer led traffic analysis to evaluate traffic operations under various traffic control scenarios and different lane configurations and presented these findings to the Department of Public Works (DPW) staff and the DPW Commission. Jennifer also oversaw the parking study and associated stakeholder engagement, which included City of Burlington staff, business owners, and other stakeholders through a multiple-meeting process to understand the current parking conditions and anticipated impacts of the project. Finally, her team designed the traffic signal operations to accommodate bicycles and pedestrians on recall and advanced walks and located the traffic signal equipment along the corridor.

Work Zone Safety and Mobility Policy and Guidance, VTrans, Statewide, Vermont

Jennifer led the effort to assist VTrans to develop VTrans' Work Zone Safety and Mobility Policy and Guidance. Jenn led a vigorous stakeholder engagement phase to understand how different groups at VTrans affected work zone safety, followed by a best practice review of policy and guidance from other states. Critical to the success of this effort was determining how to incorporate best practices into the VTrans framework. VHB developed a new process

to develop TMP input early that could be included in bid documents, providing additional information to contractors early in the process and save VTrans money.

City of Portland, State and High Street Two-way Study, Portland, ME

Jennifer is leading the evaluation of circulation changes to State Street and High Street in Portland Maine. An evaluation was conducted of the transportation safety and mobility impacts for all modes of converting one or both of these one-way, two-lane arterials into two-way streets. After the technical analysis, the VHB team worked with the City to choose a preferred alternative and presented those findings to the public. Jenn and team are currently working with the City to better accommodate bicycle infrastructure in the plans for two way conversion and will present alternatives to the public shortly.

US Route 4 Corridor Scoping Study, Mendon, VT

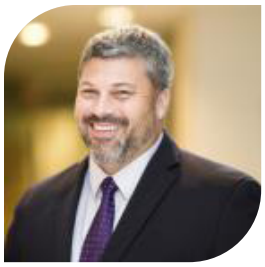
The Town of Mendon, with support from Vermont Agency of Transportation (VTrans) Municipal Assistance (MA), retained VHB to conduct a scoping study to identify alternatives, issues and costs and provide recommendations related to improvements to the US Route 4 corridor in the Town. Jenn oversaw the study, which evaluates design alternatives that will enhance safety and mobility for pedestrians, bicyclists, and motorists while enhancing access and aesthetics to the Village District and recreational resources. This study was developed with significant input from the public, representatives from the Town of Mendon and local stakeholders.

Swanton Village Downtown Scoping Study, Swanton, VT

Serving as Project Manager, Jennifer has led the multidisciplinary project team through the Downtown Scoping Study for Swanton Village. The project required a delicate balance to better accommodate the needs of pedestrians and bicyclists while accommodating vehicular traffic through the Village and providing parking and enhanced sidewalks to ensure continued economic development. Alternatives were developed that accommodated all users through different allocation of right of ways throughout the Village. The preferred alternative incorporated public comment and was divided into smaller projects that could be developed separately or in concert as funding allows.

CCRPC, Underhill Feasibility Study, Underhill, VT

Jennifer served as Project Manager for this project analyzing roadway infrastructure needs in Underhill. The first phase involved the evaluation of different local roadways for designation as bikeways in order to provide an alternative to cycling on VT 15. Hazards were identified and recommendations were developed to address concerns along each of two routes. The second phase evaluated pavement condition and width along River Road and developed alternatives. The Town selected an alternative to accommodate cyclists safely while minimizing costs.



Education

BS, Civil Engineering, Worcester Polytechnic Institute, 1993

Registrations/Certifications

Professional Engineer (Structural I), VT, 07/2026

Scott E. Burbank, PE

Project Manager

Scott is a Senior Project Manager in VHB's Winooski, Vermont, office with extensive experience in the planning, design, and construction of railroad infrastructure, park-and-rides, roadway, and bridge projects. Scott has a diverse experience, having managed park-and-rides, roadway, railroad passenger platforms, railroad crossings, and both highway and rail bridge projects. Scott is also adverse in VTrans project development and design processes and is currently assisting the VTrans Rail Section with the management of VTrans' FRA BUILD Grants. This diverse background gives Scott a unique perspective on all facets of multiple types of projects and a unique insight into the requirements of each of the disciplines and how they interact on complex and diversified projects.

31 years of professional experience and 16 years with VHB

VTrans, BUILD Grant Project Management

Scott is currently assisting the VTrans PM on managing the BUILD grant bridge projects for the rehabilitation or replacement of 29 bridges on the Vermont Railway (VTR) (Bennington and Rutland) (B&R) Subdivison to increase the capacity of these structures from 263 kips to 286 kips at 40 mph. Scott has and continues to work with the VTrans PM to maintain the project design schedules, daily monitoring of VTrans Construction's Construction Management software Doc Express to download construction shop drawings, submittals, and RFIs to ensure both the VTrans PM and design consultants are aware of the submissions and are performing their review per the required timeline, and the VTrans PM is uploading those reviews back to Doc Express in a timely manner to maintain the contractor's construction schedule. Scott also participates in weekly and monthly coordination meetings with VTrans, the design consultants, and FRA, as well as developing and submitting the required quarterly reports to FRA.

VTrans Project Administrator

Scott worked as a Project Administrator managing design consultants for the Municipal Assistance Section (MAS) on multiple park and ride projects for a period of eight years completing four park and ride project expansions in Springfield, Bradford, Colchester, and Berlin, as well as a new park and ride in Williston that completed construction in 2023. This work included maintaining project schedules, ensure the design consultants meet the milestone deadlines, and coordination with the project stakeholders which included internal VTrans resources such as Environmental, Utilities, and ROW, as well as external stakeholders including municipalities and State and Federal Regulators.

VTrans / Depot Street Bridge Replacement, Rockingham (Bellows Falls), VT

VHB is the design consultant for the VTrans Rockingham, Bellows Falls project which involves the removal and replacement of a historic concrete arch bridge with an off alignment vehicular bridge and addition of a multi-modal pedestrian bridge for VTrans. This project

includes the reconfiguration of two town roads, rehabilitation of a parking lot, extensive utility relocation and undergrounding, drainage design, design of the vehicular bridge, and 3D modeling of all design elements. By managing challenging site constraints around the historic canal, VHB is progressing a design that will revitalize the village of Bellows Falls and increase accessibility for all modes of transportation on the town's island property. VHB is leading the environmental permitting and engineering design efforts including structural engineering, roadway design, and public outreach. Scott is the Senior Project Manager on the project overseeing the design and quality assurance.

VTrans / Lamoille Valley Rail Trail Emergency Projects, Swanton to St. Johnsbury, VT

Scott is currently managing two emergency projects on the LVRT for VTrans and working closely with VTrans on two others emergency projects. He also recently completed three other emergency culvert replacement projects. All these projects are from impacts to the LVRT from the July 2023 flooding. Scott is providing project oversight and quality assurance throughout all phases of the development and construction of these emergency projects. These projects that are located throughout the 93-mile trail that runs from Swanton to St. Johnsbury. These projects required the immediate inspection of the existing damaged bridges and culverts, followed by temporary repairs or temporary detours to maintain access to the trail during the final design phase of these projects. As part of this effort, Scott oversaw the alternatives analysis if required, the development of the preliminary plans, permitting plans, acquisition of the required permits, final design and completion of the final plans. Scott also participated in multiple coordination meetings with VTrans' various entities including Environmental, ROW, Structures and Hydraulics, and the LVRT management team from VTrans. VHB also assisted FEMA with the development of the NEPA documentation including assistance from VHB's historical and cultural resource services to repair and replace the various culverts and bridges. Scott and VHB continued to provide engineering support services throughout construction which included shop drawing review and responses to RFI's.

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Education

BS, Civil Engineering, University of New Hampshire, 2000

Registrations/Certifications

Professional Engineer (Civil), VT, 07/2026

Daniel M. Peck, PE

Project Manager

A civil engineer in VHB's Highway Department, Dan focuses on transportation projects ranging from scoping studies and design (conceptual through contract design) of roadway, intersection, sidewalk, and multi-use path projects that follow the VTrans Multiple Assistance Section (MAS) process to include public informational meetings, review of right-of-way plans, development of construction estimates, and utility coordination.

25 years of professional experience and 25 years with VHB

Scrabble Hill Road, Duxbury, VT

Dan served as the Municipal Project Manager for the Town Duxbury for the roadway repair and embankment stabilization of approximately 1,000 LF of Scrabble Hill Road. In this role, he managed and facilitated coordination among the Town, VTrans, design and resident engineers, utility providers, contractors, and other stakeholders to ensure the project followed the VTrans Project Development Process and the Municipal Assistance Section (MAS) Guidebook for Municipally Managed Projects. The project was completed in 2024.

City of St. Albans, Federal Street Multimodal Connector Project, St. Albans, VT

Dan is the Project Manager on this project for the City of St. Albans to provide permitting, design and construction services for a multimodal connector along streets one block west of Main Street. This project includes 1.75 miles of roadway reconstruction, roadway widening, new roadway alignment, bridge replacement, new sidewalk and multi-use path infrastructure, utility relocations, new signalized intersections, railroad grade crossings, and extensive permitting and environmental analysis.

VTrans, VT 110 at Mill Street Reconstruction, Barre, VT

For the Vermont Agency of Transportation (VTrans), VHB designed this state safety improvement project that realigns the Mill Street / VT 110 intersection to a more traditional "T" configuration. Project responsibilities include roadway and stormwater design, utility coordination, and public outreach, in addition to construction support. Dan was the Project Manager for this project.

VTrans, I-89 Exit 17 Bridge Replacement, Colchester, VT

VHB is the designer for this major transportation infrastructure project for to reconstruct Exit 17 on Interstate 89 in Colchester. The project will address safety concerns at the interchange and replace the structurally deficient bridge over the interstate. In addition, the project includes new ramp construction, ramp relocation, roadway widening, reconstruction of three signalized intersections, bicycle and pedestrian accommodations, and stormwater treatment. VHB is leading the environmental permitting and engineering design efforts including traffic modeling and engineering, highway geometry design, structural engineering, environmental permitting, transportation management, and public outreach. Dan is a Senior Highway Engineer on the project, providing technical support and QA/QC reviews.

Daniel M. Peck, PE

VTrans, US 7 Boardman Street Scoping Study, Middlebury, VT

Project Manager for Scoping Study that looks to evaluate safety and mobility improvements for both motorists and pedestrians at the intersection of US Route 7 and Boardman Street in Middlebury. Intersection improvements will also look to provide pedestrian multi-modal connectivity to surrounding trails, and commercial retail areas just to the north.

VTrans, Main Street and Merchants Row over Vermont Rail, Middlebury, VT

For the Vermont Agency of Transportation (VTrans), VHB was the lead designer for the Town of Middlebury's replacement of two 93-year-old bridges spanning the Vermont Railway mainline track in downtown Middlebury. The project is used Vermont's first Construction Manager/ General Contractor (CMGC) project delivery system. The project also included significant work to lower the railroad track and provide appropriate vertical clearance and will improve streetscaping, upgrade municipal drainage, create street and sidewalk improvements, and allow for future passenger rail. Dan was responsible for designing and overseeing the street level improvements as the Roadway Task Manager.

Manchester Rail Trail, Manchester, VT

Dan was the Project Manager for a feasibility study to evaluate alternatives for the conversion of approximately 1.5 miles of an abandoned railroad corridor to a multi-use path in Manchester. The path would be an extension of the Town's existing multimodal trail network and potentially provide an off-road connection between the Manchester schools and the neighboring Dorset schools. The study evaluated construction costs, potential phasing, resource impacts and permitting requirements.

Education

BS, Civil Engineering, Clarkson University, 2006

Registrations/Certifications

PE, VT

Affiliations/Memberships

Vermont Society of Engineers, 2013

Jason D. Keener, PE

Project Manager

A Professional Engineer registered in Vermont, Jason is a Project Manager and Structural Engineer in VHB's Winooski, Vermont, office with experience in culvert, roadway, and bridge replacement and rehabilitation, structural design, and construction inspection. His skills include steel and concrete design, structural analysis and modelling, as well as computer-aided drafting programs AutoCAD and Microstation.

19 years of professional experience and 13 years with VHB

Town of Hancock, Texas Falls Rd Bridge, Hancock, VT

VHB is currently working with the Town of Hancock and the Green Mountain National Forest on the planning, survey, permitting, and construction of a new bridge on Texas Falls Road in Hancock over the Robbins Branch to replace the existing bridge, which is a Steel Girder structure built in 1973 and does not meet load rating requirements. The bridge is also located at a poorly aligned intersection of VT Route 125 and Texas Falls Road which will be improved as part of the project. VHB is performing survey, design, permitting, and construction engineer services and will be assisting the Town in obtaining all necessary regulatory permits and preparing ROW plans. Jason is the Project Manager and Lead Design Engineer for this project and is responsible for coordinating with the Town, regulators, project stakeholders, and the VHB design team.

USDA Forest Service, AOP Culvert Replacement, Addison and Rutland Counties, VT

Jason worked as a Project Manager and Project Engineer on an IDIQ contract with the Green Mountain National Forest for projects in Addison and Rutland Counties. The scope of work included improvements and repair of damaged water crossings. Natural bottom and open bottom arch culverts, and bridges were chosen and designed to minimize impact to the stream ecology. Jason was responsible for structure selection and design, site design, grading, plan development, concrete foundation design, quantity calculations and cost estimating; and he assisted with hydrology and hydraulic analysis and stream simulation for multiple stream crossings. The designs for replacement structures included steel girder bridges with concrete substructures, aluminum box culverts and aluminum arches.

Popple Dungeon Culvert, Chester, VT

Working with the Town of Chester and the Vermont Agency of Transportation (VTrans) Municipal Assistance Section, Jason served as the Project Manager and Lead Design Engineer for this project to select and design a replacement structure for a failed culvert on Popple Dungeon Road in the Town of Chester. VHB assisted the Town in following the VTrans Municipal Assistance processes to complete an Alternatives Investigation, identify a preferred alternative, design a replacement structure, develop construction and bid documents, advertise the project, and construct the replacement bridge. Throughout the project, Jason coordinated with the Town, VTrans, subconsultants, and stakeholders. He led the VHB team in all aspects of project development, which included conducting a topographic survey, performing natural resource investigations, obtaining necessary permits, designing a pre-cast

pre-stressed concrete slab bridge, coordinating utilities, acquiring ROW, and overseeing project construction administration.

Town of Plainfield Brook Road Bridge, Plainfield, VT

Jason was the Project Manager and Lead Design Engineer for this project to design the

replacement of the flood-prone Brook Road Bridge (Bridge 21) that passes over Great Brook in the Village of Plainfield. The bridge has been repeatedly impacted by flooding, causing significant channel erosion and property damage. The project included topographic survey, deed research, geotechnical analysis for foundation design, bridge type study, final bridge design, permitting, and a Federal Emergency Management Agency (FEMA) benefit cost analysis. VHB identified bridge replacement alternatives, met with the Plainfield Selectboard to present these alternatives, and assisted in selecting a preferred alternative. VHB has also developed construction level plans to replace the bridge. The proposed bridge will be a prestressed precast concrete slab on pile supported abutments that spans the bankfull width of Great Brook resulting in overall improvements that will increase hydraulic capacity and improve the transport of debris and sediment.

Manchester Riverwalk, Manchester,VT

Jason was the Project Manager and Project Engineer working with the Manchester Riverwalk Association on the planning, permitting, and construction of a new Pedestrian Truss Bridge. The project required coordination with the Manchester Riverwalk, the Town of Manchester, State Environmental Agencies, and the pedestrian bridge fabricator to develop a design that fit tight site constraints, met unique permitting challenges, and stayed within the budget of the Riverwalk association. To supplement the private fundraising completed by the Manchester Riverwalk Association, Jason also assisted in applying for and receiving a Transportation Alternatives Grant allowing for the project to move forward.

VTrans, Poultney BF 0145(13) Truss Rehabilitation, Poultney, VT

VHB was tasked with designing the rehabilitation of Bridge 4 over the Poultney River in Poultney Vermont. The bridge, which is in poor condition and has significant structural concerns, will be rehabilitated due to the historic nature of the Pratt Truss which was constructed in 1923. The rehabilitation of the historic truss will consist of replacing the entire floor system and bottom chord of the Truss while reusing the upper portions of the truss, which remain in good condition. Jason has led the VHB team through the unique challenges that are associated with rehabilitating a truss and ensuring the design of new and replacement members works with the portions of the truss which will remain. Jason continues to lead and manage the VHB team in providing engineering support to VTrans and the Construction Team throughout construction which has included shop drawing review and responses to RFI's.

Jamie L. Roy, PE

Project Manager

Jamie is a Structural Project Manager in VHB's Winooski, Vermont, office with experience managing a wide variety of bridge projects, ranging from small rural single-span projects to large urban bridge projects with complex traffic and utility considerations. Her design expertise includes single- and multi-span bridges, trusses, prestressed concrete beams, steel girders, reinforced concrete rigid frames, box culverts, load ratings, and bridge inspections. She also has experience in Accelerated Bridge Construction (ABC).

15 years of professional experience and 2 years with VHB

Education

MS, Civil/Structural Engineering, Villanova University, 2010

BS, Civil & Environmental Engineering, Villanova University, 2008

Registrations/Certifications

Professional Engineer (Civil), MA, 06/2026

Professional Engineer (Civil), NH, 08/2027

Professional Engineer (Civil), VT, 07/2026

Professional Engineer, NY, 07/2027

Professional Engineer (Civil), ME, 12/2027

Professional Engineer (Civil), CT, 01/2027

Affiliations/Memberships

WTS International, Vermont, 2019

Town of Bethel, Pinello Road Bridge, Bethel, VT

This project involved the reconstruction of a rural road and bridge that was severely damaged in a 2019 flood event. VHB's duties comprised planning, surveying, permitting, utility coordination, construction inspection, and engineering of a 68-foot span steel girder bridge founded on integral abutments with a 165-foot road approach. Jamie served as Project Manager.

VTrans, Bridge No. 16 on VT 110 over White River, Washington, VT

As part of a structural engineering on-call contract with VTrans, Jamie is the Project Manager for the replacement of Bridge No. 16 on Vermont Route 110 over an unnamed tributary of the White River. Jamie and the VHB team are performing structural design engineering services to address structural deficiencies and damage caused to the existing bridge during storm events that took place in 2023. The existing structure will be replaced with a precast reinforced concrete box culvert with a larger span to improve its hydraulic capacity and resilience. The project will be designed using Open Roads and Open Bridge Modeler. Construction of the replacement structure is scheduled to start in 2027.

VTrans, Bridge No. 18 on VT 110 over Jail Branch, Washington, VT

As part of a structural engineering on-call contract with VTrans, Jamie is the Project Manager for the replacement of Bridge No. 18 on Vermont Route 110 over an unnamed tributary of the Jail Branch. Jamie and the VHB team will perform structural design engineering services to address structural deficiencies and damage caused to the existing bridge during storm events that took place in 2023. The existing structure is located in a village setting and will be replaced with an approximately 40-ft span precast prestressed solid slab beam structure supported on integral abutments. The existing channel will also be realigned to allow for the reconstruction of the channel embankments. The project is currently in final design and construction of the replacement structure, which will be done utilizing accelerated bridge construction techniques, is scheduled to start in 2027.

VTrans, RT 9 Downtown Wilmington Bridge Project, Wilmington, VT

Jamie is the Project Manager for this project to replace Bridge 31 in downtown Wilmington. This project is complex because the bridge is located in a historic business district and is on

the National Highway system. Construction impacts the economic vitality and both local and regional mobility. The scoping effort recently concluded and identified innovative scheduling and accelerated bridge construction techniques to fully replace the bridge while minimizing impacts to the historic village and gaining public support for the project. The project will now advance through the design phase with advertisement for construction set to occur in the summer of 2028.

VTrans, Bridge No. 5 on VT 110 over First Branch White River, Tunbridge, VT

Jamie is the Project Manager for the design and replacement of a flood-damaged 1922 reinforced concrete box culvert that carries Route 110 over an unnamed tributary of the First Branch White River. The box culvert will be replaced with a larger cast-in-place concrete slab structure on footings supported on bedrock. The project also includes the realignment of the existing channel to its original location to reduce future flooding and aggradation concerns and will be designed using Open Roads and Open Bridge Modeler. The project is currently in final design and construction of the replacement structure is scheduled to start in 2027. VHB's services also include highway design, traffic engineering, and environmental permitting support.

City of Newton, Farlow Park Bridge, Newton, MA

Prior to joining VHB, Jamie worked on the Farlow Park Bridge project. The project utilized Accelerated Bridge Construction techniques to replace the Farlow Park Bridge in Newton, MA. The existing pedestrian bridge used to span a man-made pond and was in poor condition. The bridge was replaced with a precast concrete arch structure and the man-made pond was restored after performing material testing on the existing concrete slab. Ornamental bridge rails and natural stone facing were utilized to enhance the aesthetics of the bridge.

MassDOT, Cliveden Street over the MBTA (General's Bridge), Quincy, MA

Prior to joining VHB, Jamie was Lead Bridge Engineer and Deputy Project Manager for the construction of a new bridge that connects Burgin Parkway to Parkingway and future development areas in the City of Quincy. The proposed bridge spans the MBTA tracks and provides safe and improved circulation for pedestrians, cars, and bicyclists. Accelerated Bridge Construction techniques were utilized to construct the bridge over the MBTA tracks during a weekend closure. The proposed bridge is a single span structure comprised of Precast Bridge Units supported on concrete abutment caps on drilled shafts. The project also includes significant retaining walls with many architectural features to enhance the future development.

Education

BS, Civil Engineering, Wentworth Institute of Technology, 2014

Registrations/Certifications

Professional Engineer (Civil), VT

Maine Department of Transportation Local Project Administration

Affiliations/Memberships

Vermont Society of Engineers, Current Board Member

Ruffed Grouse Society – Green Mountain Chapter, Current Chair

Branden Roberts, PE

Project Manager

As VHB's Vermont Director of Transportation Engineering, Branden has a wide-ranging portfolio that includes managing and supporting both the planning and design of roadway, bicycle, pedestrian facility, and stormwater design projects for VTrans and municipal clients throughout Vermont, as well as field construction inspection experience. He has managed, engineered, and provided construction phase services on a multitude of projects that include roadways, intersections, sidewalks, multi-use paths, and stormwater infrastructure. As the Vermont Director of Transportation Engineering at VHB, Branden leads a team of 11 local transportation project managers, engineers, designers, and inspectors to deliver high-quality engineering solutions across Vermont.

12 years of professional experience and 12 years with VHB

VTrans & Various Municipalities, Lamoille Valley Rail Trail (LVRT), Swanton–St. Johnsbury, VT

VTrans's LVRT project consists of several phases of snowmobile/multiuse trail design spanning approximately 94 miles from Swanton to Sheldon. Branden was the lead Project Engineer/ Task Manager for over 60 miles of reconstruction on this abandoned railroad corridor, which involved trail widening, drainage reconstructions, signing improvements, evaluation and design of over 100 bridge structures, private access restriction, and full depth re-construction of the entire trail. The final three phases of construction, equating to approximately 50 miles of trail, occurred simultaneously in 2021, where Branden led the coordination of all construction submittals, RFIs, and shop drawing reviews to ensure the successful construction and timely opening of the trail. As a project receiving congressional funding from the State and Feds, the deadlines were aggressive, and the expectations were high. VHB led weekly coordination meetings to ensure the project stayed on track. As add-ons, VHB completed a corridor-wide signing project and a management plan for the newly developed state asset.

Following the completion of the LVRT, Branden has managed numerous planning and design engineering municipal projects to provide trailheads and connections to various Town assets across the State. Additionally, he has used lessons learned to provide technical advice and written engineering instructions for various bike/ped. VTrans guidance and State Law. Tasks included presentation and collaboration with various entities, including VTrans, the Traffic Information Council, and State government-appointed officials. The first new LVRT trailhead was constructed in Swanton in 2025, and the second will be constructed in Hyde Park in 2026, where Branden was the engineering project manager.

Town of Wallingford, School Street Sidewalk, Wallingford, VT

Branden was the project manager for this sidewalk project on VT Route 140 in Wallingford. The project started with a scoping level alternatives analysis to determine the most effective way to accommodate on-street parking and improve safety at two mid-block pedestrian crossings while being sensitive to the project budget and creating a 2,100 linear foot ADA-compliant pedestrian connection in the heart of Town. Following the selection of a

preferred alternative, the project went through 3 engineering design submittals, right-of-way (ROW), and permitting. The project will be constructed in 2026.

Town of St. Johnsbury, Three Rivers Path Phase 1 & 2, St. Johnsbury, VT

As part of an effort to provide a connection from the LVRT to downtown St. Johnsbury, Branden is on the team developing an off-road multiuse trail proposed to be labeled as the LVRT – Riverfront Extension and formerly referred to as the Three Rivers Path. A segment of this connection was constructed as a stand-alone path prior to the LVRT reaching St. Johnsbury. As part of Phase 1, VHB developed an off-road connection that spanned approximately half a mile along the bank of the Passumpsic River, utilizing an additional half mile of local roadway segments to navigate around challenging obstacles. This phase of design also included the replacement of an old mill building with a trailside pavilion and the rehabilitation of a roadway tunnel under a railroad crossing to support pedestrian traffic across this barrier to the center of town. Phase 1 was constructed in 2021 while the challenges impeding a continuous off-road connection were further navigated. Branden has continued as the Project Manager to develop the Phase 2 design and permitting applications throughout 2024 and 2025, with construction of the remaining 0.5-mile multiuse trail connection to downtown St. Johnsbury and additional town sidewalk enhancements to connect a new parking lot to the trail and town center slated for 2026.

VTrans, Stormwater Retrofits, Williston; St. Albans; South Burlington; Essex, VT

This multi-contract project includes the design of various stormwater treatment practices throughout the variety of Lake Champlain watersheds. The purpose is to treat stormwater runoff prior to entering Lake Champlain to reduce phosphorus and other byproducts polluting the lake. Branden worked alongside a VHB team involving stormwater engineers and permitting specialists to develop plans to construct practices within the I-89 medians and adjacent facilities for the Williston and Saint Albans locations and is now the Project Manager for the South Burlington and Essex contracts, which are currently under construction.

Town of Stratton, Grout Pond Road Widening, Stratton, VT

This one-mile Class 3 Town Highway connects outdoor enthusiasts with the Grout Pond Recreation Area within the GMNF. Branden is the project manager leading a team of engineers and scientists focused on rehabilitating and widening this gravel roadway to meet the current needs of the Town to promote two-way vehicular traffic, winter maintenance, and the increased traffic utilizing this area for outdoor recreation. To achieve the necessary roadway rehabilitation and widening with a constrained budget, the Team is focused on preserving the core of the roadway while implementing a variety of typical sections to widen the road while minimizing impacts to sensitive natural and cultural resources as well as with consideration of right of way impacts. Vegetation clearing, ditching, a new trailhead parking area, and five culvert replacements are all included within this engineering design.

Education

BS, Civil Engineering, University of Vermont, 2011

Registrations/Certifications

Professional Engineer, DC, 08/2026

Affiliations/Memberships

National Committee on Uniform Traffic Control Devices, Bicycle Technical Committee

Drew Gingras, PE

Project Manager

Drew is a Project Manager and Senior Active Transportation Planner and Engineer in VHB's Winooski office with experience in transportation projects at the municipal, state, and federal levels. He has a breadth of experience in transportation projects, with expertise in planning and design for active transportation projects. His in-depth project experience includes projects such as corridor studies, scoping studies, bicycle/pedestrian planning and design, active transportation plan development, traffic operations analysis, and complete street design to provide state of the art and best practice driven ideas to meet the ever-evolving needs of transportation corridors. Drew has experience navigating – including leading and managing – all phases of a project, from definition and concept development through public engagement and eventual engineering design and construction.

Drew is frequently looked to as a Project Manager, regardless of the project or topic at hand. He knows what it takes to deliver projects for a variety of clients and subject areas. He constantly delivers projects under budget and on schedule. Drew knows that consistent, attentive communication is one of the keys to successful and informed project delivery.

14 years of professional experience and 13 years with VHB

VTrans, Vermont Multimodal Roadway Guide, Statewide, VT

Drew is currently serving as Project Manager for the development of the Vermont Multimodal Roadway Guide (VMRG). The VMRG represents a reenvisioning and rewriting of the Vermont State Design Standards (VSS). Originally published in 1997, the VSS represented an innovative method of roadway design by prioritizing flexibility to meet project needs in lieu of rigid compliance with standards. VTrans recognized the need to not only update these standards, but to once more be a thought leader in the field of transportation planning and design. Helping VTrans envision this, Drew and the VHB team developed a new way of thinking about planning and designing roadways in Vermont to integrate multimodality based on context and desired outcomes. The team did extensive research of other successful applications of this concept from elsewhere in the country, and on a global scale.

Managing a team of over 50 VHB professionals, Drew has guided the project through extensive engagement involving a Project Steering Committee, Stakeholder Advisory Group, Technical Work Group, and the general public. Arriving at consensus for an Annotated Outline, Drew and the VHB team developed a first draft of the VMRG on an extremely aggressive schedule, delivering the milestone submission in advance of the deadline set by VTrans.

CCRPC/City of Burlington, Battery Street Corridor Scoping Study, Burlington, VT

Drew served as Project Manager for a scoping study to evaluate how to improve the Battery Street corridor between Maple Street and Sherman Street. Battery Street represents one

of Burlington's most challenging corridors as it is a principal arterial for motorists, and the main artery for travel – for all users – to the New North End neighborhood. The alternatives considered sought to re-envision Battery Street as a complete street inclusive of separated bike facilities, improvements to the pedestrian realm, urban design, landscaping upgrades, and upgraded traffic signals to better accommodate all users. All intersections along Battery Street were analyzed to better facilitate traffic operations while more safely accommodating pedestrians and bicyclists. Drew led the VHB team to a unanimously approved (by the City Council) preferred alternative that represented a re-envisioned corridor that exceeded the needs as defined in the project's Purpose and Needs Statement.

CCRPC/City of South Burlington, South Burlington Active Transportation Plan, South Burlington, VT

Serving as Project Manager, Drew worked with the City of South Burlington and the Chittenden County Regional Planning Commission (CCRPC) on the development of the City's Active Transportation Plan. Working alongside the CCRPC and City, Drew led VHB's team of active transportation planners on the development of an exceptionally detailed plan to improve South Burlington's active transportation infrastructure, programs, and policies for years to come. The VHB team quickly learned that the residents of South Burlington were energized, mindful, and civically engaged. The team put together a robust Public Involvement Plan that met the needs for community engagement throughout the development of the plan. A detailed survey was provided, and public meetings were strategically organized to meet the demands of the public and get the input that was most desired at each step of the process. Projects were evaluated based on criteria that was vetted by the project's Advisory Group, and informed by public input. Projects were then analyzed using GIS to development and objectively graded project list that incorporated the City's primary goals of safety, connectivity, accessibility and equity.

Town of St. Albans, US 7 North Shared Use Path Scoping, St. Albans, VT

In the role of Project Manager, Drew led a Municipal Assistance Section (MAS)–supported scoping study for the Town of St. Albans. The Town selected VHB to study how best to improve safety and better connect active transportation users from the City of St. Albans to the Missisquoi Valley Rail Trail (MVRT), the many destinations within the Town, and Swanton to the north. The study corridor—US Route 7—is a Principal Arterial that carries several thousand drivers a day, while lacking any reasonable active transportation infrastructure north of the City limits. Drew successfully led the development of a preferred alternative that balanced the needs of under-supported community members (safer crossing locations, continuous parallel active transportation facilities) with those of the existing institutions (parking within State ROW, access management). Using sound planning and innovative visualizations for public engagement, the project was well received and successfully delivered.

Education

MS, Civil & Environmental Engineering, University of Vermont, 2012

BS, Civil & Environmental Engineering, University of Vermont, 2008

Registrations/Certifications

Professional Engineer, VT

Affiliations/Memberships

WTS International, Vermont

Karen Sentoff, PE

Project Manager

Karen creates transportation solutions for Vermont communities that reflect best practices in design, policy, community engagement, and equity. Her experience with supporting a multitude of statewide planning and research efforts in collaboration with the Vermont Agency of Transportation (VTrans) as well as transportation planning at the community scale makes her adept at adapting and right-sizing solutions and strategies into actionable plans in the Vermont context. Karen's professional background represents a versatile set of skills at the confluence of transportation planning, design, and research. Recognizing that the best decisions are made in partnership with diverse stakeholders, Karen works to bring new voices to the table and build coalitions in her projects.

13 years of professional experience and 7 years with VHB

CCRPC, Exit 14 Scoping Study, Burlington, VT

VHB was selected to support CCRPC in scoping the I-89 Exit 14 interchange with the aim of significantly enhancing transportation in Vermont by addressing deficiencies at one of the busiest interchanges in the state. This comprehensive project seeks to identify and evaluate alternatives for the interchange, addressing critical issues such as vehicular capacity, geometric layout, multimodal accessibility, and safety, and connectivity of two of Vermont's largest cities: Burlington and South Burlington. Karen has served as the project's deputy project manager, spearheading the evaluation of long-term alternative configurations of the interchange that address deficiencies while prioritizing sustainability of this generational transportation infrastructure investment. The scoping will provide an implementation plan to strategically phase improvements until full reconstruction of interchange is viable.

CCRPC, VT Route 116 Kimball Ave Tilley Drive Transportation Plan, South Burlington, VT

CCRPC partnered with VHB to identify and develop cost effective transportation strategies in support of compact, pedestrian-friendly, mixed-use, planned development. Prioritizing transportation infrastructure improvements that support multimodal mobility and a vision for the transportation network and land uses in the project area were critical to identifying appropriate transportation strategies for the South Burlington community. Karen supported this effort through regional network and intersection level modeling and analysis.

CCRPC, I-89 2050 Study, Chittenden County, VT

The Chittenden County I-89 2050 Study was a critical undertaking for the CCRPC and VTrans, as well as a very exciting opportunity for Vermont and New England travelers. The study focused on providing accessible, safe, efficient, resilient, and interconnected mobility choices along the I-89 corridor for the region's businesses, residents, and visitors as well as auto and freight traffic. Karen was integral to the modeling effort that forecasted the evolving needs of the transportation corridor out to 2050 and evaluated alternative projects and strategies based on the public and stakeholder vision for the corridor. This effort included coordination

with stakeholders from transportation operations management systems, emergency management and incident response, asset management, environmental and natural resources, local municipalities, freight operators, employers, and the public.

CCRPC, City Center Transportation Analysis, South Burlington, VT

VHB teamed with the CCRPC and the City to evaluate the transportation implications of new development and new connector roadways within City Center to identify transportation infrastructure and investments necessary to support growth in City Center. The project leveraged the CCRPC's regional travel demand model to evaluate a mix of projected land use and planned transportation network connections that are anticipated in the coming years. The evaluation focused on the intersections along Market Street to assess the accommodation of future shifts in travel patterns based on anticipated phasing of development and connector roadways. Karen was integral to the modeling, analysis, and reporting for the project to inform a strategic, phased approach to transportation improvements that was implementable by the city.

CCRPC, Colchester Avenue Bikeways, Parking & Intersection Safety Scoping Study, Burlington, VT

In collaboration with Chittenden County Regional Planning Commission (CCRPC) and City of Burlington, VHB identified and developed transportation improvements for the Colchester Avenue corridor and intersection with East Avenue. With this being a critical corridor that has undergone incremental changes, this study created a longer-term vision for a multimodal facility with dedicated bike infrastructure and permanent safety improvements. Karen developed and evaluated alternatives and engaged project stakeholders and the public to guide decisions.

Village of Swanton, Downtown Scoping Study, Swanton, VT

The Village of Swanton sits at the confluence of primary regional routes along US 7 and VT 78, where the vision for a vibrant downtown center requires balance between the traffic thoroughfare and a more walkable, bikeable, and accessible Village core. Together with Village partners, community stakeholders, and the public, the VHB team helped to identify, develop, evaluate, and prioritize alternative designs for creative context-sensitive solutions that are feasible and constructible and will improve safety for pedestrians, cyclists and drivers. Karen continues to support the Village as the Project Manager for design of the first two phases of improvements for the downtown.

VTrans, Smart Growth, VMT, and GHG Research Project, Statewide, VT

Karen led the VHB research effort evaluating the hypothesis that compact, mixed-use development patterns reduce vehicle-miles of travel (VMT) and greenhouse gas (GHG) emissions compared to more rural, dispersed settlement patterns. Estimating VMT at an appropriate scale to evaluate this hypothesis leveraged unique, passively collected "big data." This research measured the effectiveness of compact settlement patterns in influencing associated travel behavior to help to inform smart growth land use policies into the future.

Education

BS, Civil Engineering, Worcester Polytechnic Institute, 2018

Registrations/Certifications

Professional Engineer (Civil), VT, Envision™ Sustainability Professional

Cierra Ford, PE, ENV SP

Project Manager

Cierra is a Transportation Engineer in VHB's Winooski office, with extensive experience in scoping and design, construction inspection, and developing plans for transportation and infrastructure projects, including pedestrian/bicycle infrastructure, urban roadways, bridge approaches, and closed and open drainage design. Cierra is proficient in MicroStation and OpenRoads for roadway and utility modeling and plan production, and assists with developing specifications, estimates, and bid documents for state and municipal projects.

8 years of professional experience and 8 years with VHB

Health Path Scoping Study, St. Albans, Vermont

Cierra is the Project Manager for the Health Path Scoping Study, which identifies potential multi-use path alignments to connect a 3-mile-long gap between the Collins-Pearly Sports complex and the Missisquoi Valley Rail Trail. The Scoping Study evaluates the design and construction of a multi-use bicycle and pedestrian path and identifies a suite of recommendations that focus on the safety and mobility of all users along the project corridor. This study was developed with input from the public, representatives from the Town of Saint Albans, and local stakeholders.

City of Winooski, Main Street Revitalization, Winooski, VT

Cierra was a Design Consultant for the preliminary design of a roadway reconstruction project along US Route 7 in Winooski. This project is highly complex, involving multiple subconsultants and the integration of roadway, utility, and streetscape improvements. Cierra was responsible for the design of the underground utility network, consisting of new water, sewer, drainage, electric, telecom, and gas lines. She also assisted with the design of pavement markings, signage, and temporary traffic control plans. The project is currently in active construction and Cierra is providing engineering support and administrative office engineering support during the construction phase.

Hartland Three Corners Intersection, Hartland, VT

Cierra helped in the final design of this intersection reconfiguration project in Hartland village. The project included the development of alternatives and conceptual plans through the production of right-of-way plans, contract plans and construction engineering support. The project involved realignment of the Three Corners Intersection (Route 5, Route 12 Quechee Road). Cierra's role on the Hartland Three Corners Intersection project included utility layout and design work, quantity and cost estimating, plan development, etc.

Town of Rockingham, Rockingham/Atkinson & School Streets Intersection Study, Rockingham, VT

Cierra was the Project Manager for an intersection scoping study in Rockingham. The study looked to identify a preferred alternative to improve the safety and mobility of all users at the intersection of Atkinson Street and School Street in Bellows Falls. Cierra's

responsibilities included coordination with the Town, presenting to the public and Select Board, and ultimately will develop a report summarizing a preferred alternative to improve the intersection.

Town of Killington, Killington Road Phase 1, Killington, VT

Cierra is a Project Engineer for Phase 1 of the Killington Road reconstruction as part of the Town's Master Plan efforts. The project involves full-depth reconstruction of Killington Road on both its current alignment and a new alignment; construction of new roads; reconstruction of intersections of these roads, including a new roundabout; and reprofiling and reconstruction of Killington Road at its intersection with US Route 4. All modeling and plan development is being completed in OpenRoads Designer.

VTrans, Lamoille Valley Rail Trail (LVRT), Swanton–St. Johnsbury, VT

The LVRT project encompasses multiple phases of designing a snowmobile/multiuse trail spanning approximately 94 miles from Swanton to Sheldon. Cierra served as a design engineer for over 60 miles of reconstruction on this former railroad corridor, which included bridge inspections to determine necessary improvements, and assisting with designs for new bridges and bridge modifications. Given the congressional funding from Vermont Legislation, the project faced tight deadlines and high expectations. As trail design concluded, weekly construction coordination began and continues, alongside tasks to complete a corridor-wide signage project and a management plan for this newly developed state asset.

South Burlington Pedestrian/Bicycle Bridge, South Burlington, VT

Cierra is the Project Engineer for the design of a bicycle and pedestrian bridge across Interstate 89 in South Burlington south of Williston Road (US Route 2). Cierra was responsible for the full path design from conceptual alternative graphics to preparing contract documents. She helped lead a multidisciplinary team, collaborated with the architect and structural engineer to incorporate the bridge design into the project, led internal and external team meetings with the City of South Burlington and VTrans, and led the production of plans, right-of-way documentation, and contract documents for the project. She also performed an embodied carbon analysis of the preliminary design.

Tunbridge Emergency Corridor Vulnerability Scoping, Tunbridge, VT

This project involves an assessment of the Tunbridge emergency corridor, which includes VT-110 and its adjoining roadways, to identify vulnerabilities and proposed solutions that yield a benefit-cost ratio greater than one to position for future FEMA funding for project design and construction. Cierra is the Project Manager, leading the team through reviewing existing documentation and site conditions, coordinating with the Town and stakeholders to identify the most critical sites, and developing conceptual alternatives for these sites to perform cost estimates. The project required an understanding of the Hazard Mitigation Program, BRIC and FEMA. Project solutions identified in the study included culvert replacement and slope stabilization efforts, and FEMA benefit cost analyses were performed for each site to determine feasibility and help the Town prioritize funding.

Education

BS, Civil Engineering & Mathematics, Iowa State University, 2020

Registrations/Certifications

Engineer in Training, SD,

Evan Haugh, EIT

Traffic Analysis

Evan is a Transportation Designer with experience in traffic, safety, research, and intelligent transportation systems. His background includes work on signing standards, variable speed limit corridors, winter maintenance performance measurement, and safety countermeasures.

5 years of professional experience and 5 years with VHB

South End Coordinated Development, Burlington, VT

For this planning project, Evan has evaluated parking management and traffic impacts under potential development programs for a partnership including the City of Burlington and two other developers with adjoining parcels in the South End. For proposals, Evan has analyzed parking demand, turnover, and internal circulation for residential, commercial, and institutional users. He has used Synchro software to document the operating conditions for study intersections.

City of Burlington, Great Streets – Main Street Revitalization, Burlington, VT

As part of Burlington's Great Streets initiative, Main Street is being reconstructed between Pine Street and Winooski Avenue. Evan analyzed the operations of the corridor under different lane scenarios and intersection control. He assisted with engineering design of all traffic signal infrastructure, including mast arms, traffic signal pole locations, pedestrian signals and push buttons, and control cabinets, and designed the timing plans associated with the chosen lane configuration at each intersection. Evan also worked on a detailed inventory and utilization study of parking in downtown Burlington.

City of Burlington, Traffic Calming, Burlington, VT

Evan worked with the City of Burlington to design traffic calming treatments for locations on East Avenue, Bright Street, and Scarff Avenue. Working within the framework of the City's 2020 Traffic Calming Manual, context-sensitive traffic calming measures were identified that would directly address each street's specific issues. Evan assisted with preparing conceptual alternatives for these three locations and with developing a pilot demonstration on East Avenue.

VTrans / Barre City / Quarry Street, Barre, VT

The reconstruction consisted of improvements to 1,700 feet of Quarry Street and 740 feet of South Main Street. The project included new drainage collection systems and stormwater treatment measures as well as reconstruction of the existing Washington County Railroad at-grade railroad crossing. Evan worked on design for a new traffic signal at the bottom of Quarry Street.

VTrans / Colchester NH 028-1(31) Exit 17, Colchester, VT

Evan worked on the design of three traffic signals within this project, including the signal layouts, equipment specifications, and signal timing. Evan also assisted with submittal reviews, including the traffic management plans for this project.

Evan Haugh, EIT

VTrans, 2022-2026 Strategic Highway Safety Plan, Statewide, Vermont

The Strategic Highway Safety Plan (SHSP) is Vermont's comprehensive action plan to reduce highway fatalities and serious injuries. The SHSP required significant stakeholder outreach to develop a coordinated plan for infrastructure and behavioral strategies. Evan assisted with drafting the SHSP document, hosting stakeholder meetings, and performing crash data analysis to deliver a guiding plan for five years of Vermont safety efforts.

VTrans, 2023 Highway Safety Plan, Statewide, Vermont

The Highway Safety Plan is a detailed plan for the use of Section 402 and 405 funds for behavioral safety strategies in Vermont. Plan development required setting quantitative targets for safety performance measures, listing specific grants to be made and activities performed in service of each target, and providing a rationale for each countermeasure strategy. Evan assisted with drafting the plan, gathering supporting information, and performing data analysis for this project.

VTrans, HSIP Assessment, Statewide, VT

The Highway Safety Improvement Program (HSIP) Assessment was a comprehensive review of VTrans' operating procedures for its Highway Safety Improvement Program that involved recommending new processes and culminated in a new manual for the HSIP program. Evan researched previous VTrans documentation, best practices from other states, and federal requirements. He was extensively involved in drafting and preparing the new program manual.

VTrans, HSIP Program Support, Statewide, VT

Evan has assisted VTrans with program administration, including documentation, project selection and prioritization, project delivery, and evaluation. Evan wrote HSIP Implementation Plans for fiscal years 2023 and 2024, assisted with establishing a local systemic grant program, tracked obligations throughout the year, and developed strategies to satisfy special rules.

VTrans, Network Screening, Statewide, VT

This project involved performing systemic network screening for roadway departure and intersection crashes in Vermont. Evan assisted with screening, developing a countermeasure selection matrix, and writing an implementation plan. Evan was involved throughout the project with technical tasks, memo preparation, and technical presentations to multiple bureaus within VTrans.

VTrans, Safety Data, Statewide, VT

This project has involved multiple tasks related to applying safety data in Vermont. Evan was involved with researching safety management software, arranging demonstrations, and reporting on alternatives. In another task, Evan assisted with interviewing agency and external staff about data needs and creating a staffing plan for the Data Analysis Section. Evan is currently involved with a third task to perform a systemic network screening for roadway departure crashes in Vermont, researching road and safety data and assisting with memos and presentations.

Education

MA, Anthropology, University of New Brunswick, 2021

BA, Anthropology, University of Massachusetts Amherst, 2017

Registrations/Certifications

Register of Professional Archaeologists

Alexander Honsinger, RPA

Cultural Resources

As an Archaeologist and Cultural Resources Specialist in VHB's Winooski, Vermont, office, Al specializes in completing archaeological investigations for regulatory reviews. He is well-versed with all stages of archaeological research and review throughout New England, beginning with predictive modeling and ending with the timely submission of completed project deliverables to clients and regulatory partners. Alexander's research expertise concerns pre-contact archaeology throughout Vermont and greater New England, but he also possesses demonstrative experience evaluating historic archaeological resources in the region.

8 years of professional experience and 2 years with VHB

VTrans On-Call Archaeological Support Services Retainer Contract, Statewide, Vermont

As part of the General Environmental Services Agreement 2024 Contract (#PS0781), VHB was selected from four firms to provide various archaeological services to VTrans. Under this authorization, Al has begun Section 106 reviews and archaeological resource assessments ("ARAs") for various transportation projects. Al draws from his experience as a Cultural Resources Specialist for VTrans providing punctual project reviews while maintaining thigh quality research standards.

Vermont Agency of Transportation, St. Albans-Richford STP MVRT (2) Project

Under contract with VTrans, the VHB team was tasked with completing the environmental permits for the project. Our Cultural Resources Group completed the ARA for proposed improvements to the Missisquoi Valley Rail Trail (MVRT). To complete this effort, VHB drew upon the skills of its multifaceted Cultural Resources Group to produce a holistic assessment of both pre-Contact and historic period archaeological resources. The project integrated archival research, GIS-based predictive modeling, and field investigations to produce project-specific cultural contexts of archaeological resources. The effort resulted in the identification of project portions containing pre-Contact archaeological sensitivity. VHB provided punctual recommendations for planning purposes and worked with our designers to develop avoidance measures for archaeologically sensitive portions of the Project Area.

VTrans, Bennington STP 0137(20) and Bennington NH 019-1(30) Intersection Upgrades ARA, Bennington, VT

Under contract with VTrans, the VHB team was tasked with designing, engineering, and completing the environmental permits for the project. Our Cultural Resources Group completed the ARA for two proposed upgrades to intersections in Bennington, Vermont, which abut the Battenkill River, an important pre-contact travel corridor and highly archaeologically sensitive waterway. The project integrated archival research, GIS-based predictive modeling, and thorough field investigations to produce project-specific cultural contexts for archaeological resources. The effort resulted in the identification of several portions of the project containing pre-contact archaeological sensitivity. VHB provided

punctual recommendations for planning purposes and worked to develop avoidance measures for archaeologically sensitive portions of the Project Area with design internally at VHB.

Town of Barre Flood Support Services, Barre, VT

Under contract with VTrans, Al was part of the VHB team designing and completing the environmental permits for roadway repairs following the July 2023 flood event. Al completed ARAs for two roadway repairs along Websterville and Camp Street in Barre, Vermont, providing punctual recommendations for project planning purposes while maintaining high quality research standards. The project integrated archival research, GIS-based predictive modeling, and thorough field investigations to produce project-specific cultural contexts for archaeological resources. Al also completed Section 106 reviews for these projects as they pertained to archaeological resources.

VTrans, Archaeological and Cultural Resources Services, Vermont

Prior to joining VHB, Al was a Cultural Resources Specialist at the Vermont Agency of Transportation (VTrans) and responsible for Section 106 review under the Programmatic Agreement between FHWA, the VDHP, and VTrans. Project reviews also pertained to archaeological and aboveground historic resources in compliance with Vermont's Act 250 Program. Al also managed consultants performing archaeological fieldwork required for transportation projects and provided compliance with federal and state guidelines.

Education

MS, Historic Preservation, University of Vermont, 2011

BS, Historic Preservation, University of Mary Washington, 2006

Kaitlin O'Shea

Historic/Cultural Resources

Kaitlin is a Senior Preservation Planner in VHB's Winooski, VT, office. With a strong background in and understanding of preservation principles and practice, she specializes in transportation and infrastructure project review and compliance. Specifically, Kaitlin completes Section 106 reviews and Section 4(f) evaluations, as well as historic documentation, historic resource identification, and project management in the government framework. Kaitlin meets the Secretary of the Interior's Professional Qualification Standards for an Architectural Historian and Historian (36 CFR 61).

19 years of professional experience and 10 years with VHB

VTrans, Milton STP 5800(3), Section 106 Review, Milton, VT

Under contract with VTrans, Kaitlin completed the Section 106 review of the Railroad Street/Middle Road/U.S. Route 7 intersection reconfiguration project. Kaitlin evaluated the properties within the Area of Potential Effect, reviewed the project plans, photographed the project area, and wrote the Section 106 project review memorandum on the VTrans template. Kaitlin coordinated with the VTrans Historic Preservation Officer, Archaeology Officer, and engineers.

VTrans, Historic Preservation Services Contracts, Statewide, Vermont

Kaitlin is the Project Manager for the Historic Preservation Services 2022 Contract (#PS1000), for which VHB was ranked in first place out of five firms selected to provide various preservation services to VTrans. VHB was also selected for the 2018 Contract (#PS0709). Under this authorization, Kaitlin has completed reviews and documentation for historic resource evaluations, Vermont Architectural Resource Inventory (VARI) forms, Section 106 reviews, and Section 4(f) evaluations, as well as mitigation projects such as Historic Resource Documentation Packages (HRDPs). Kaitlin drew upon her experience as a VTrans Historic Preservation Specialist to craft efficient yet effective documents in accordance with VTrans's expectations.

VTrans, Lamoille Valley Rail Trail (LVRT), Swanton–St. Johnsbury, VT

Under contract with VTrans, Kaitlin was part of the VHB team designing, engineering, and completing the environmental permits for the final 30 miles of the 93-mile project. Building on prior resource assessments, Kaitlin reviewed over 150 bridges, culverts, and cattle passes to evaluate their historic integrity and significance as well as the project's impact to each resource and the Lamoille Valley Railroad linear historic district. Kaitlin completed all of the Section 106 reviews and related Memorandum of Agreements (MOAs), as well as the Section 4(f) evaluations. Kaitlin has completed reviews of the LVRT for flood-related events in 2023 and 2024 and continues to assist on an as-needed basis.

Kaitlin O'Shea

VTrans, Missisquoi Valley Rail Trail, St. Albans-Richford, VT

As part of the VHB team for the project St. Albans-Richford STP MVRT (1), Kaitlin completed the Section 106 review for the resurfacing of the MVRT as well as for the extension of the MVRT. Kaitlin conducted a site visit with VTrans, completed historic resource identification, evaluated the plan set, and worked with VHB engineers and VTrans staff.

City of St. Albans, Federal Street Multimodal Connector Project, St. Albans, VT

Kaitlin assisted in the preparation of the Act 250 application for a project to facilitate improved mobility for all modes of transportation, including pedestrian, bicycle, rail, transit, and motor vehicles on Federal Street in downtown St. Albans. She reviewed the development of 60-percent plans to determine potential implications for reevaluating the Section 106 and 4(f) determinations, and the EA.

Patchen Road and Hinesburg Road Scoping Studies, South Burlington, VT

Under contract with the City of South Burlington, Kaitlin was part of the VHB team developing the scoping study of two separate roadway projects – Patchen Road and Hinesburg Road. Both projects seek to improve vehicular and multimodal transportation. The project areas contain mostly mid-twentieth-century residential development, which is a relatively new resource to evaluate for historic integrity and significance. VHB developed a historical context for the area and evaluated the resources for the purpose of identifying historic properties to consider in planning efforts

City of Burlington, Burlington Great Streets, Historic Resources Survey

On behalf of the City of Burlington, VHB completed a historic resources report for the Great Streets project, from Battery Street to South Union Street. The report was used for planning purposes. Kaitlin surveyed all properties in the project area for the purpose of evaluating their historic integrity and recommending their eligibility. The report also included a brief historic overview of the area, maps, historic images, and photographs.

VTrans, Statewide HSIP Program Support – Safety Improvement Grant Review

VHB provided support to VTrans for this grouping of municipal safety improvement projects, which included signage, line striping, tree clearing, and other safety improvements. Kaitlin reviewed the grant applications as part of the Section 106 review process and drafted a Section 106 review memorandum for VTrans.

VTrans, Fairfax STP 023-1(8), Fairfax, VT

Kaitlin completed the historic resources assessment as part of the scoping study. Work included identifying the study area, conducting a site visit and photographing the properties, and evaluating resources for historic integrity and eligibility for listing in the National Register of Historic Places. The goal of the assessment was to identify historic resources and/or potential concerns for future Section 106 and Section 4(f) reviews.

Education

BS, Environmental Engineering, University of Vermont, 2004

BA, Biology, University of Vermont, 1999

Registrations

Professional Engineer, VT

Affiliations/ Memberships

Vice President, Vermont Environmental Consortium

American Council of Engineering Companies

Kurt Muller, PE

Water Quality

Kurt's 20 plus years of engineering experience encompasses project management, environmental site assessment, PCB investigation and remediation design, site cleanup management, and stakeholder coordination and outreach. Kurt's focus is on brownfield environmental consulting work and managing large site characterization and remediation projects in Vermont. He has acted as lead Project Manager and Environmental Professional on more than 65 EPA-funded brownfield site investigations, dozens of municipal and private redevelopment efforts, five PCB remediation projects that required EPA/TSCA approval, and four large CERCLA-compliant soil management and remediation projects for the National Park Service. His experience includes preparation of work plans, site investigation reports, and Corrective Action Plans (CAPs) that address a wide variety of contaminants in a manner that is project goal-focused and compliant with regulations. Kurt is a licensed Professional Engineer in Vermont.

22 years of professional experience and 21 years with VHB

City of Burlington, Great Streets/Main Street Revitalization, Burlington, VT

Kurt designed and managed preliminary due diligence and soil pre-characterization to support planning and construction engineering design of a complete revitalization and reconstruction of Main Street in downtown Burlington. The project included extensive community and stakeholder outreach, resulting in unanimous approval of the project concept by the City Council. The design included pedestrian amenities, off-street separated bike lanes, and transit stops along Main Street. VHB coordinated with Green Mountain Transit to evaluate transit ridership data in consideration of relocation and/or consolidation of transit stops along the corridor.

Champlain Parkway, Burlington, VT

Kurt worked collaboratively with VTrans, the City of Burlington, and VT DEC to cost-effectively pre-characterize the large project area, establish a risk-based site-specific development soil relocation threshold, prepare a CAP, and strategize soil management procedures to support bid documents. He collaborated with the construction inspection services team to perform a constructability review to identify challenges and opportunities for efficiency.

Burlington Greenway, Bike Path Project Phases 1, 2, and 3, Burlington, VT

Kurt provided management of QEP oversight, supplemental soil characterization, a CAP amendment to maximize efficiency, and environmental management services during construction of the Burlington Bike Path, and proactively collaborated with VT DEC to ensure compliance. Mayor Miro Weinberger described this project as one of his "most successful and proudest accomplishments" as Mayor of Burlington.

Kurt Muller, PE

Burlington Waterfront Access North (WAN) and Moran Frame, Burlington, VT

Kurt collaborated with VT DEC to obtain approval for an alternative soil management strategy to the CAP prepared by a prior consultant for the skatepark, Lake Street Extension, and Community Sailing Center phases of the WAN project. This alternative strategy increased construction efficiency and reduced project costs. Performed ongoing field characterization and provided oversight during excavation, removal, and transport of 12,000 cubic yards of impacted soil to a nearby receiving parcel. He received approval from regulators for the remedial strategy of the former Moran Power Plant and supported the Moran Frame design concept and implementation.

Brownfield Investigation and Redevelopment, Multiple Locations, Vermont

As Project Manager on more than 65 EPA-funded brownfield site investigations, Kurt prepared QAPP documents and investigation reports, Evaluations of Corrective Action Alternatives (ECAA), and CAPs that address a wide variety of contaminants. He is familiar with and generated risk-based and self-implementing cleanup plans for TSCA-regulated PCB sites. He characterized a former dry-cleaner site with chlorinated solvent impacts. At two former paper mills impacted by dioxins/ furans and PCBs, he designed, coordinated, and implemented remediation, which included developing EPA-approved QAPPs for post remediation dioxins/ furans indoor air clearance sampling—the first of its kind for EPA Region 1. Prior to project management, he performed soil, vapor, and groundwater sampling using a variety of techniques, including EPA's slow purge sampling procedures, membrane interface probing, Drive Point/Direct Push technology, Waterloo Profiling, soil and sediment coring, bathymetry assessments, and monitoring well installation. Also, he supervised numerous underground storage tank closures throughout Vermont.

Former Fonda Manufacturing Facility CAP Implementation, St. Albans, VT

Kurt managed environmental monitoring during the implementation of the Lot 1 CAP. This $1.9M Vermont BERA, PCB remediation effort included monitoring, tracking, and recording excavation boundaries and depths in areas of contamination, field screening excavated soils, tracking material quantities imported to and exported from the site, coordinating with subcontractors, conducting confirmatory soil and concrete verification sampling, and preparing daily monitoring reports for both client and regulatory review. Served as senior reviewer of Corrective Action Completion Report, which was approved by EPA/TSCA and DEC without comment.

Vermont Agency of Transportation, North Hero Drawbridge, North Hero, VT

Kurt provided technical support for ecological Risk Assessment for the chromium, lead, polycyclic aromatic hydrocarbon, and polychlorinated biphenyl (PCBs) impacted site. The site is the location of a historic drawbridge being reconstructed over Lake Champlain, and past maintenance activities included sandblasting of PCB, lead, and chromium-containing paint. The risk assessment evaluated risk to Lake Champlain receptors exposed to contaminated sediment and included a Screening Level Ecological Risk Assessment and Refinement.

Education

AA, Architecture, Vermont College, 1992

Registrations/Certifications

Professional Landscape Architect, VT

LEED Accredited Professional

Affiliations/Memberships

American Society of Landscape Architects

Vermont Beekeepers Association

Michael Willard, PLA, LEED AP

Landscape Architecture

With nearly three decades of professional experience, Michael leads VHB's Vermont Landscape Architecture practice, managing and providing design guidance for complex planning and design projects throughout New England. He has an extensive portfolio of landscape architectural projects which includes master planning, permitting, and detailed site design for commercial development, multifamily housing, private residences, government facilities, streetscapes, and parks; as well as institutional, hospitality, and energy generation projects. In addition to his strong design capabilities, Michael has a broad range of technical skills on all aspects of construction detailing and implementation and in-depth knowledge of construction materials and methods.

30 years of professional experience and 9 years with VHB

Burlington Parks, Recreation & Waterfront, North Beach Campground Master Plan, Burlington, VT

Working with the City of Burlington Parks, Recreation, and Waterfront (BPRW), Mike was the Project Manager and Designer for the North Beach Campground Master Plan. The campground is integrally connected to the Burlington Bike Path and North Beach, the largest beach in the BPRW system, and is an iconic part of Burlington and the Lake Champlain shoreline. This master planning effort sought to provide integrated stormwater solutions, a diversity of camping opportunities ranging from full hook-up RV sites to tent sites, and the separation of day use beach traffic from camping areas.

Middlebury Downtown, Middlebury, VT

As part of the Middlebury Bridge and Rail Project, Michael helped lead the design for the new public park. This space was helped create the "Village Green" within the heart of Middlebury's downtown. VHB led a public process with diverse stakeholder input to help reimagine and reshape the public park spaces and downtown streetscape in downtown Middlebury. The resulting park has transformed the downtown core area and strengthened connectivity between adjacent public spaces around the Village Green, promoting economic development and connections to local businesses. The Town of Middlebury and VTrans partnered on this project to solicit input from the community and engage with the municipal committees and boards to finalize a design product for implementation. The park space in the Village Green was imagined for a number of activities and provides both hardscape plaza and open lawn areas, while reincorporating the historic fountain. The revitalized park space will serve as a focal point in Downtown while seamlessly integrating with the historic fabric of the surroundings.

City of South Burlington, City Center/Market Street, South Burlington, VT

Seeking to create a downtown space oriented towards greater density and pedestrian mobility, the City of South Burlington is proceeding with the development of a new City

Center. Market Street serves as the focal point of transportation and economic activity within the 40-acre City Center development project. As Project Manager, Mike worked closely with the City of South Burlington and the design team to develop an award-winning streetscape design for Market Street as one continuous "Main Street" with three distinct design styles that seamlessly link together. These design styles responded to the City's new Form-Based Code zoning. The streetscape design incorporated innovative stormwater design, pedestrian connectivity to neighboring recreation assets, a multiuse path, and an outdoor café and sitting areas.

City of St. Albans, Main Street, Lake Street, Hudson-to-Hoyt, and Kingman Streetscape Projects, St. Albans, VT

Mike designed the landscape architecture elements of these projects, which created new streetscapes centered around the heart of downtown St. Albans. He assisted with facilitation of an extensive public review process by working with City staff, residents, and business owners to develop a streetscape design that generated consensus for the future vision for the City's downtown. Design program elements included innovative urban stormwater techniques, outdoor gathering areas, gateways, street trees, and ornamental street lighting. These highly successful projects are regarded as a key to the revitalization of downtown St. Albans.

Killington/Pico Ski Resort Partners, LLC, Killington Resort Master Plan, Killington, VT

Mike provided landscape architectural design and permit assistance for the master plan design, permitting, and phasing plans for Killington Resort's proposed base village planned community. The project included a mix of condominiums, townhomes, and single-family homes with ski-in/ski-out sites as well as commercial and skier services facilities. Mike included a new parking facility with shuttle programming for pick-up and drop-off in the master plan study.

VTrans/LVRT Management Plan, South Burlington, VT

In collaboration with VTrans, VHB was selected to develop a cohesive, community defined vision for the entire 93-mile Lamoille Valley Rail Trail and strategies to support the management, maintenance, operations, community connections, and economic development opportunities along the trail. Development of the plan entailed an extensive public process that included multiple hybrid meetings at locations along the trail, stakeholder interviews, focus group sessions, and map-based crowdsourcing tools for online input.

VTrans / Colchester NH 028-1(31) Exit 17, Colchester, VT

Michael was the landscape architect and roadway lighting designer on the transportation infrastructure project to overhaul Exit 17 on Interstate 89 in Colchester. The project targeted safety improvements and replaced a structurally compromised bridge over the interstate. Key elements included ramp construction and relocation, road widening, reconstruction of three signalized intersections, and enhanced bicycle and pedestrian amenities, along with stormwater treatment solutions.

Education

MS, Civil Engineering, University of New Hampshire, 2006

BS, Environmental Sciences, University of South Florida, 1997

Registrations/Certifications

Professional Engineer (Civil), VT

Affiliations/Memberships

American Society of Civil Engineers

American Water Resources Association

Robert Wildey, PE, CPESC

Water Quality

Robert is Water Resources Engineer with VHB's Environmental Services Group where he has worked on a variety of water and stormwater-related projects for both public and private-sector clients. His key focus is the interface between natural streams and the built environment, from bridges and culverts that carry transportation infrastructure to stormwater treatment practices that manage runoff from impervious areas and convey flows to surface waters. Robert is experienced with environmental permitting related to wetlands and other water resources at the local, state, and federal levels on projects as diverse as residential developments, retail shopping centers, renewable energy facilities, highway and rail projects, and utility corridors. He specializes in evaluations of erosion, sedimentation, and geomorphology in rivers.

22 years of professional experience and 19 years with VHB

VTrans, Culvert and Bridge Investigations, Multiple Locations Statewide, VT

Robert performed field investigations, hydrologic analysis, and hydraulic modeling associated with the design, permitting, and construction of culvert and bridge replacements at numerous crossing structures associated with Vermont Agency of Transportation (VTrans) roadway projects. One of these projects involved over 150 culverts along Vermont Route 100 in Killington, Pittsfield, and Stockbridge. Although this project was initially scoped as a roadway improvement project, it became apparent that a hydraulic analysis of the drainage infrastructure was warranted prior to the project moving to construction. In order to meet the project budget and timeline, a remote-sensing approach using GIS was applied to develop watershed areas and drainage characteristics, and a spreadsheet model was developed to calculate design flows and determine the hydraulic requirements for each culvert.

VTrans/Colchester NH 028-1(31) Exit 17, Colchester, VT

Robert provided construction stormwater engineering services for this major transportation infrastructure project for the Vermont Agency of Transportation (VTrans) to reconstruct Exit 17 on Interstate 89 in Colchester. Robert developed EPSC plans and the Individual Construction Stormwater Permit (INDC) application materials that were submitted in support of a successful application to the DEC. The complex project is currently under construction and involves the removal and replacement of an existing interstate bridge, reconfiguration of interchange ramps, and significant stormwater and drainage improvements in the area.

Sugarbush Resort, Gadd Brook Daylighting, Warren, VT

On behalf of Sugarbush Resort, VHB developed plans and permit authorizations for the Gadd Brook stream channel restoration, which includes daylighting 300 feet of stream channel that had been culverted during an earlier phase of Resort development. In accordance with the project's USACE 404 Permit, VHB conducted five years of post-construction monitoring and reporting after each phase of work that has been completed. The final segment of this stream

restoration was constructed in 2021, and the first two years of post-construction monitoring have demonstrated successful restoration of habitat and fish passage.

Mount Snow Resort, Cold Brook Stream Restoration, Wilmington, VT

Due to the unpermitted gravel mining operations of a former landowner, Cold Brook has been captured by two borrow pit ponds. The stream is a cold-water fishery that was negatively affected by the resulting thermal impacts to the stream. In conjunction with Mount Snow's West Lake Reservoir construction project, the larger of the ponds was filled and the reach was restored using natural channel design principles. Robert conducted hydrologic analysis of the contributing drainage area, performed stream geomorphic assessments of the upstream and downstream reference reaches, designed the proposed stream channel restoration, and oversaw construction and post-construction monitoring.

VTrans/Killington-Stockbridge, Killington, VT

Robert was the hydraulic engineer on the multifaceted corridor project with utility work, structure replacements, roadway widening and numerous standard roadway improvements. Robert's team developed a rapid assessment approach that allowed hydraulics to be reviewed for 137 small culverts along the corridor and subsequently developed plans and stream alteration permit applications for several locations that were upgraded in conjunction with the project.

VTrans, Lamoille Valley Rail Trail (LVRT), Swanton–St. Johnsbury, VT

This project included several phases of snowmobile/multiuse trail design spanning approximately 93 miles from Swanton to Sheldon. Robert led the team in reviewing bridge and culvert hydraulics for over 35 structures and developed the Individual Construction Stormwater Permit application materials for 60 miles of reconstruction on this abandoned railroad corridor, which involved trail widening, drainage reconstructions, major timber cutting/trimming, signing improvements, bridge improvements, private access restriction, and full-depth reconstruction of the entire trail. Following the July 2023 flood event, additional structures that had not been evaluated during the original design were also evaluated in conjunction with the reconstruction effort.

Middlebury Main Street and Merchants Row Bridges, Middlebury, VT

As part of a major bridge replacement project for the Town of Middlebury, VHB designed a tunnel that will replace two sub-standard bridges, reconnect town parks, and allow for double-stack rail clearance. Because a portion of the project is adjacent to Otter Creek, potential floodplain and river corridor impacts were required to be evaluated. Of particular interest was the temporary road that will be constructed partially within the Otter Creek floodplain to provide access to buildings during the construction process. Robert developed the responses to the regulatory criteria and coordinated with Vermont DEC River Management Engineers and Floodplain Coordinators to ensure that the Project could be permitted and constructed.

Education

BS, Civil Engineering, University of Vermont, 2005

Registrations/Certifications

Professional Engineer (Civil), VT, 07/2024

Professional Engineer (Civil - Highway), NH, 05/2024

Ryan H. Barnes, PE

Senior Structural Engineer

Ryan is a Structural Project Engineer in VHB's Winooski, Vermont, office with extensive experience in planning, designing, and construction of both highway and railroad bridge projects. His qualifications also include services for design of structural inspections and load ratings of bridges, and design-build projects.

20 years of professional experience and 10 years with VHB

City of Montpelier, Grout Road Bridge, Montpelier, VT

Grout Road Bridge is a single span steel girder with timber deck bridge supported on unreinforced concrete abutments that services four private residences. VHB is responsible for the engineering to provide a load rating of the bridge in existing conditions, alternatives analysis report, permitting, utility coordination and design bid documents for the selected alternative (complete bridge replacement). In order for the existing structure to last until full replacement can be completed, VHB is responsible for providing interim repair recommendations and interim repair documents for bid. Ryan is a Structural Engineer responsible for leading bridge inspection and review of load rating.

Middlebury Main Street and Merchants Row Bridges, Middlebury, VT

Ryan was a Structural Engineer for the replacement of Main Street and Merchants Row over Vermont Rail System in Middlebury. The project includes replacement of the two bridges with a new tunnel carrying the railroad under the roadways. The new structure consists of an approximate 360-foot-long precast concrete rectangular tunnel segment and two adjoining precast concrete u-shaped retaining wall segments, with a total length of approximately 1,300 feet. Precast concrete and accelerated construction techniques are to be used to construct the majority of the structure within a railroad closure of approximately 10-weeks.

VTrans, Main Street and Merchants Row over Vermont Rail, Middlebury, VT

For the Vermont Agency of Transportation (VTrans), VHB is the lead designer for the Town of Middlebury's replacement of two 93-year-old bridges spanning the Vermont Railway mainline track in downtown Middlebury. The project is using Vermont's first Construction Manager/ General Contractor (CMGC) project delivery system. The project also includes significant work to lower the railroad track and provide appropriate vertical clearance and will improve streetscaping, upgrade municipal drainage, create street and sidewalk improvements, and allow for future passenger rail. Ryan is the Lead Structural Engineer responsible for design of precast concrete u-walls, and plan development for structure including precast concrete tunnel and u-walls.

VRS, 2016 Bridge Inspect & Load Ratings, Vermont

VHB provides Bridge Engineering Services for the Vermont Rail Systems (VRS), which consists providing all necessary support to the railroad for maintaining, inspecting, rehabbing, and replacing the Railroad-responsible bridges on four railroads as well as all the bridges on the Clarendon Pittsford Railroad (CLP). These services include annual bridge inspection, load rating for normal live loads and special overweight loads, review of load ratings by other

consultants and VTrans, designing repairs, and new bridges, and emergency inspections. The types of bridges ranged from simple span concrete slabs and culverts to multi-span thru-girders and truss bridges. Ryan was the Lead Structural Engineer for annual bridge inspections and load ratings for numerous railroad bridges.

VTrans / I-89 Exit 17 Bridge Replacement, Colchester, VT

VHB is the designer for this major transportation infrastructure project for the to reconstruct Exit 17 on Interstate 89 in Colchester. The project will address safety concerns at the interchange and replace the structurally deficient bridge over the interstate. In addition, the project includes new ramp construction, ramp relocation, roadway widening, reconstruction of three signalized intersections, bicycle and pedestrian accommodations, and stormwater treatment. VHB is leading the environmental permitting and engineering design efforts including traffic modeling and engineering, highway geometry design, structural engineering, environmental permitting, transportation management, and public outreach. Ryan is the Structural Engineer responsible for providing quality assurance plan review on the project.

Education

BS, Mathematics, Saint Michael's College, 1998

Registrations/Certifications

Licensed Surveyor, VT

Ryan Cloutier, LS

Right-of-Way/Survey/GIS

Ryan is a Survey Manager in VHB's Winooski, Vermont office. He provides overall program management for the Vermont office's survey team and expands the suite of survey services offered to state, municipal, and private sector clients. Ryan serves clients' survey needs through the full project lifecycle from initial planning and research, to right of way, utility and boundary survey, through final design, construction, as built, and ALTA survey. He has in-depth experience on both the public and private sectors having held senior positions at the Vermont Agency of Transportation and with private consulting firms throughout New England.

27 years of professional experience and 8 years with VHB

Vermont Agency of Transportation (VTrans), Survey Services On-Call, Vermont

Ryan is the Project Manager for the Vermont Agency of Transportation's (VTrans) $1.5M Survey Services On-Call Contract. His responsibilities include the full project management lifecycle, from initiation through project closeout. Ryan works closely with VTrans to scope projects, assign the appropriate resources, mitigate risks, and deliver the projects on schedule and within budget. For the US 7–Shelburne Road Traffic signal project, he passed on traditional survey collection methods in favor of a UAV. The use of a UAV not only saved time and money, but it also kept the field crew out of one of Vermont's busiest roads. Other projects utilizing remote sensing technology include Rockingham Ledge scan along I-91; three miles of the Colchester Causeway connecting Colchester to South Hero, VT; and the Hartland, VT, I-91 bridge replacement project.

VTrans, Lamoille Valley Rail Trail, Swanton to St. Johnsbury, VT

Ryan and his team conducted the field survey for several phases of snowmobile/multiuse trail design spanning approximately 93 miles from Swanton to Sheldon. The project included over 60 miles of reconstruction on this abandoned railroad corridor which involved trail widening, drainage reconstructions, major timber cutting/trimming, signing improvements, bridge improvements, private access restriction, and full-depth reconstruction of the entire trail. As a project receiving congressional funding from Vermont Legislation, the deadlines were aggressive, and the expectations were high.

VTrans/Williamstown-Northfield, Williamstown, VT

Ryan was part of the team working on the new park-and-ride project in Northfield and Williamstown, VT. The project scope encompassed constructing the new park-and-ride facilities, including a bus shelter and bike rack, deactivating the existing park-and-ride, removing a soil pile from the VTrans District Garage site, reconstructing the VTrans District Garage driveway, and implementing new stormwater management solutions, lighting, pavement markings, and other related features.

Ryan Cloutier, LS

VTrans/VT 116/Hinesburg, Hinesburg, VT

Ryan was a part of the survey team for the safety enhancement project at the VT 116/CVU Road/Shelburne Falls Road intersection for the Vermont Agency of Transportation (VTrans). This project aimed to install turn lanes and replace the existing traffic signal. It also involved replacing a large box culvert at the intersection and three additional culverts downstream. The scope of the project included multiple phases of traffic control, temporary traffic signals, operational and construction stormwater permitting, and comprehensive right of way acquisition.

VGS Gate Station, Vermont Gas Systems, Highgate, VT

Ryan was Project Lead on a 3D scanning project of a Vermont Gas Systems gate station. This project involved working with Vermont Gas to identify a site to do the scan, perform the 3D scan, process the point cloud and develop a 3D model in MicroStation. Once the 3D model was complete, VHB discussed use cases for utilizing this technology on future projects Vermont Gas Systems.

40 IDX Drive ALTA survey, South Burlington, VT

Ryan served as Project Manager on an ALTA survey of a 16-acre commercial site with a lot of site detail that needed to be located and shown on the plat. The site detail included over 900 parking spaces and 30 different utility easements and associated utilities. This project had a compressed schedule that required VHB to deliver the final plat three weeks after contract execution. A project with this much detail would normally take three weeks to survey using traditional methods. To deliver the project on schedule, VHB utilized a UAVto collect all of the site details. In a couple hours of flight time, VHB was able to collect all the necessary information and deliver the project ahead of schedule.

Town of Wilmington, East Main Street Sidewalk, Wilmington, VT

Ryan and his team conducted the field survey for the reconstruction of approximately 1,400 linear feet of existing sidewalks along the north side of East Main Street, in the historic center of Wilmington. This project includes new granite curbing, new concrete sidewalks, stairs and walkways, and driveway entrances. The project also includes the construction of several fieldstone walls to minimize property impacts, the replacement/extension of a sewer main and six laterals to better serve residents, and the addition of two crosswalks. Because the new sidewalk will be wider than the existing, the project involves utility pole relocations to eliminate conflicts with the proposed sidewalk.

Education

MS, Physical Geography, University of Western Ontario (Canada), 1995

BS, Geography, Concordia University, 1992

Brad Ketterling

NEPA/Permitting

Brad has worked as an environmental scientist for almost three decades, specializing in state and federal permitting and NEPA compliance. Brad helps clients navigate complex regulatory requirements and achieve successful results by identifying and assessing natural and cultural resource issues and constraints and developing strategies to obtain authorizations that are in the best interest of the client and the environment. He has worked on a variety of projects, from municipal, transportation, and energy infrastructure improvements to telecommunications networks to ski resorts to natural areas restoration. Brad has recently overseen the completion of NEPA Environmental Assessments for various federal agencies, including the Federal Highway Administration, Northern Border Regional Commission, and U.S. Department of Agriculture – Rural Development.

30 years of professional experience and 23 years with VHB

Country Club Road Site—Conceptual Master Plan, Montpelier, VT

Brad assisted with the analysis of natural resources opportunities and constraints for the proposed redevelopment of the Montpelier Elks Club for various possible residential and recreational uses, including hiking trails and passive recreational opportunities. Brad specifically evaluated the locations of wetlands, streams, and riparian buffers, as well as the implications for the development of areas of primary agricultural soils as regulated by Act 250. Brad provided recommendations on amenity siting based on the occurrence of protected resources. Brad also attended a public meeting on behalf of the City during which the conceptual plan alternatives were introduced. Brad took part to field questions about natural resource topics and possible regulatory permitting requirements.

Environmental Assessment for Northern Border Regional Commission (NBRC) and Drinking Water State Revolving Fund (DWSRF): Killington Road Reconstruction Project, Killington VT

Brad was Task Manager and lead author of the Environmental Assessment (EA) that demonstrated NEPA compliance for two separate funding sources for the Town of Killington's roadway and public water system improvements: the award of an NBRC Catalyst Grant and a DWSRF loan. Brad and his team leveraged studies and compliance documentation previously prepared for the USDA-RD and addressed the additional expectations of the NRBC, especially pertaining to the eight-Step Decision-Making Process per Executive Order 11990 (Protection of Wetlands). This involved preparing Early and Final Notices for public engagement. Brad also facilitated Section 106 coordination with the State Historic Preservation Office, prepared for and presented at a public meeting for the Draft EA, and addressed public comments in the Revised EA.

Brad Ketterling

Bellows Falls Intermodal Transportation Center, Town of Rockingham, VT

Brad assisted the Town of Rockingham with NEPA and Section 106 compliance and strategic planning services for the Town's proposed acquisition and redevelopment of the historic Bellows Falls Depot for continued use as an Amtrak and Greyhound station with new commercial services such as a restaurant, microbrewery, café, and/or museum. Brad assisted the Town with coordination efforts between VTrans (who is currently working on Amtrak platform improvements and the Depot Street Bridge replacement), Stantec (platform designer), Green Mountain Railroad (building owner and lessee of surrounding State property), and the Vermont Division for Historic Preservation. Brad facilitated the sharing of information between all entities, including sharing information with the VTrans Environmental Section to streamline data collection, environmental review, and compliance for the platform and depot projects.

VTrans, Middlebury Bridge and Rail Project, Middlebury, VT

Brad was Task Manager for Environmental Services, evaluating potential natural resources and other constraints on the design for the replacement of two bridges over the Vermont Railway in Downtown Middlebury as part of an Environmental & Historic Structures Evaluation and NEPA documentation. As a Local Transportation Facilities (LTF) project, direct coordination with VTrans staff was required with the Historic Preservation Officer, Archaeology Officer, and various members of the Environmental Section. Brad also coordinated directly with the Federal Highway Administration (FHWA) Environmental Program Manager with respect to NEPA compliance documentation and the development of an appropriate Section 4(f) Evaluation for bridge replacement.

Winooski, Main Street Reconstruction Project, Winooski, VT

Brad was the Task Manager for natural and cultural resource evaluations and National Environmental Policy Act (NEPA) compliance for the preliminary design of a roadway reconstruction project along U.S. Route 7 in Winooski. This project is highly complex, involving multiple sub-consultants and the integration of roadway, utility, and streetscape improvements. As the project received federal funding through the Clean and Drinking Water State Revolving Funds, Brad oversaw the completion of the NEPA Environmental Report and Section 106 compliance. Brad also assisted VTrans with NEPA compliance for project components funded through the Transportation Alternatives Program and Bicycle and Pedestrian Program.

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