

Statewide On-Call Preliminary Engineering Prequalified List of Consultants for  
**Locally Administered Local Public Agency  
Qualifications-Based Selection Contracts**



**SUBMITTED TO:**  
NEW HAMPSHIRE DEPARTMENT  
OF TRANSPORTATION

**SUBMITTED BY:**  
HNTB Corporation

DECEMBER 31, 2024



December 31, 2024



Mr. Tobey Reynolds, PE  
Assistant Director of Project Development, Chairperson, Consultant Selection Committee  
New Hampshire Department of Transportation  
John O. Morton Building | 7 Hazen Drive | P.O. Box 483 | Concord, NH 03302-0483

**RE: Letter of Interest – Statewide On-Call Preliminary Engineering Prequalified List of Consultants for Locally Administered Local Public Agency (LPA) Qualifications-Based Selection Contracts**

Dear Mr. Reynolds:

Enclosed please find HNTB Corporation's (HNTB) Letter of Interest for Statewide On-Call Preliminary Engineering Prequalified List of Consultants for LPA Qualifications-Based Selection Contracts. The HNTB Team looks forward to providing services to deliver highway and/or bridge design engineering services for various projects located throughout the state. *HNTB specifically offers municipalities the following three key advantages:*

**RESOURCES TO DELIVER ANY TASK.** Under the leadership of **Principal-in-Charge Robert Driscoll, PE**, and **Program Manager Richard Tetreault, PE**, with a team of highly skilled project managers, HNTB brings skillsets and a longstanding track record of solid performance on highway and bridge projects. Our team of professionals sees the big picture, leveraging years of leadership in civil/highway and traffic engineering, operations and maintenance, public outreach and environmental compliance, coupled with exemplary teamwork and collaboration. *HNTB offers dedicated key personnel and the full resources of our staff for any assignment requested.*

**AVAILABLE FOR YOU ANY TIME.** Our industry has a daunting task of investing an unprecedented amount of transportation funds into infrastructure improvements at a time when many of the engineering resources necessary to plan, design and construct projects are lean. Based on our close proximity to the New Hampshire Department of Transportation (NHDOT), our project managers and technical staff are always available and ready to provide the services necessary. *The HNTB Team works collaboratively on every assignment and consistently provides our signature 4for4 performance — delivering quality work, on time, on budget and to NHDOT's satisfaction.*

**CONSISTENT QUALITY DELIVERY.** All deliverables require a commitment to quality. HNTB's **commitment to quality starts at the highest leadership level and extends throughout the organization and to all subconsultants we partner with.** Through an established quality culture, every member of the HNTB Team is responsible for quality and continuous improvement. An HNTB project quality manager enforces our quality standards throughout the contract with a submittal-specific review before each deliverable is provided to clients. *Our ability to provide quality delivery is well-documented by our clients at project completion.*

Our team is eager and ready to provide these essential engineering services on locally administered projects. We will support LPA municipal sponsors in answering the call and we look forward to the opportunity to work with municipalities across New Hampshire.

Respectfully submitted,  
HNTB Corporation

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# **Project Understanding and Approach**

## PROJECT UNDERSTANDING AND APPROACH

The New Hampshire Department of Transportation (NHDOT) supports municipalities by prequalifying highway and/or bridge design engineering firms for locally administered Federal Aid Local Public Agency (LPA) projects. Firms selected from this round of the solicitation process will be posted on the NHDOT's website. Municipalities will have the option to short-list from the site and develop an agreement, meeting qualifications-based selection (QBS) requirements, which best meets the specific need. NHDOT will not be selecting the firms for the assigned work.

It is important for the engineering firm to have a solid understanding of federal aid requirements, as well as the NHDOT project delivery process and procedures for completing the work most efficiently and cost effectively. HNTB is perfectly positioned to provide a broad range of services, be flexible to meet clients' needs, and manage assignments on short notice with the staff and resources to effectively execute and deliver.

NHDOT is counting on consultants to be responsive and straightforward in their approach to delivering these necessary services.



**HNTB is ready to engage with accountability at the forefront, driven by our 4FOR4 mantra of quality work, on time, on budget and to NHDOT's satisfaction.**

### PRIMARY SERVICE AREAS BEING SOLICITED ARE:

#### HIGHWAY DESIGN

Highway design is a dynamic discipline that captures many facets, including geometric and alignment (both horizontal and vertical) designs, utility assessment and accommodations, signing, striping, drainage, traffic control design, quantity development, cost estimating, constructability and construction sequencing. HNTB's highway design group has significant experience across Northern New England (NNE) for all of these aspects, including traffic design and analysis, required to develop safe and mobility-focused solutions.

#### TRAFFIC DESIGN

A right-sized traffic solution is the key to the success of any project. This can be as simple as providing times for lane closures during construction projects or as complex as providing signal timing updates during major route changes in real time – and everything in between. HNTB will be there from start to finish,

from the planning stages of the project to implement the right solutions through construction phase services, providing the best practical application. We have experience with a variety of analysis platforms, including Synchro/SimTraffic, HCM, Rodel and Sidra. Our most recent signal installations include everything from basic cabinet retrofits with fiber patch panels to advanced traffic controllers at complex corridors with field monitoring units tying back to traffic management centers monitoring signal performance metrics. When it comes to approach it is not a one size fits all – it is about looking at and understanding the big picture, including municipal goals, safety concerns, multimodal needs, construction requirements, future regional planning and funding, in order to develop a tailored solution that fits each unique project and relays the information effectively to the community.

#### BRIDGE AND STRUCTURAL DESIGN

Our NNE offices include a team of talented structural design professionals with considerable experience on several bridge design, rehabilitation, in-service bridge inspection and load rating assignments throughout the region. HNTB brings exceptional professionals who can provide a broad range of relevant services, including bridge design and analysis, retaining wall analysis and design, overhead sign structure, soundwall analysis and design, and foundation design. Our structural team, many with advanced certifications, is ready to meet any potential structural needs on any project.

#### ENVIRONMENTAL

Environmental evaluations and permitting are critical project elements. Aspects typically include the identification of wetlands and water resources, protected species, hazardous or contaminated soils and water, historic resources (above and below ground), conservation property, noise and air quality assessments, water quality and invasive species.

The National Environmental Policy Act (NEPA) requires detailed investigations and documentation to support the ultimate classification and appropriate permitting approach. If a project as part of this contract has an environmental component, HNTB has the experience to develop all types of NEPA documents, including the required technical studies and agency consultation.

#### PUBLIC PARTICIPATION

Meaningful public participation is a necessity for most projects where dialogue between the design team, members of the public and officials is critical to providing awareness of future transportation

improvements. Meaningful dialogue offers numerous opportunities to receive feedback and insights to verify the project meets the overall needs. HNTB is skilled at developing and executing outreach campaigns, as well as being adept at conflict resolution. We have a proven track record of managing small and large outreach campaigns, and fostering meaningful public dialogue (in-person and virtually), including the development of social media, project websites, educational videos and collateral materials.

**OUR TEAM IS EXPERIENCED IN ACTING AS THE ROLE OF LIAISON BETWEEN THE CLIENT, MULTIDISCIPLINE STAFF, REGULATORY AGENCIES AND PUBLIC STAKEHOLDERS.**

**PROJECT DELIVERY**

HNTB's approach to project delivery begins with assigning each municipal project to the appropriate HNTB project manager and building the team around them. Included on each team is a project quality control manager in a critical support role to verify quality deliverables. Additionally, HNTB has an office delivery manager (ODM) and deputy ODM who work closely with project managers to make sure they have the resources to deliver 4for4. Successfully delivering the scope of services will involve communicating and collaborating often with the municipality to efficiently identify and address the range of potential challenges. Completing the assignments and proactively addressing concerns will require forethought and planning. Clients would be at a disservice if information is not shared freely and timely. Teamwork is a foundation for success and a fundamental part of HNTB's culture.

As part of the project development process, HNTB develops a tailored project plan specific to each project. The project plan will provide a summary of the project scope, goals and challenges, as well as document the overall project approach and NHDOT's standard procedures, communication plan, and the project team members and subconsultants



**Simard-Payne Pedestrian Bridge**  
Lewiston, Maine

As part of the General Consulting Services On-call contract with the City of Lewiston, HNTB provided feasibility, design engineering and construction support services for the Simard-Payne Pedestrian Bridge. HNTB developed final design plans and contract documents for the project, which included

new deck and railing system construction, approach modifications, and adjustments to nearby lighting, fencing and other existing infrastructure.

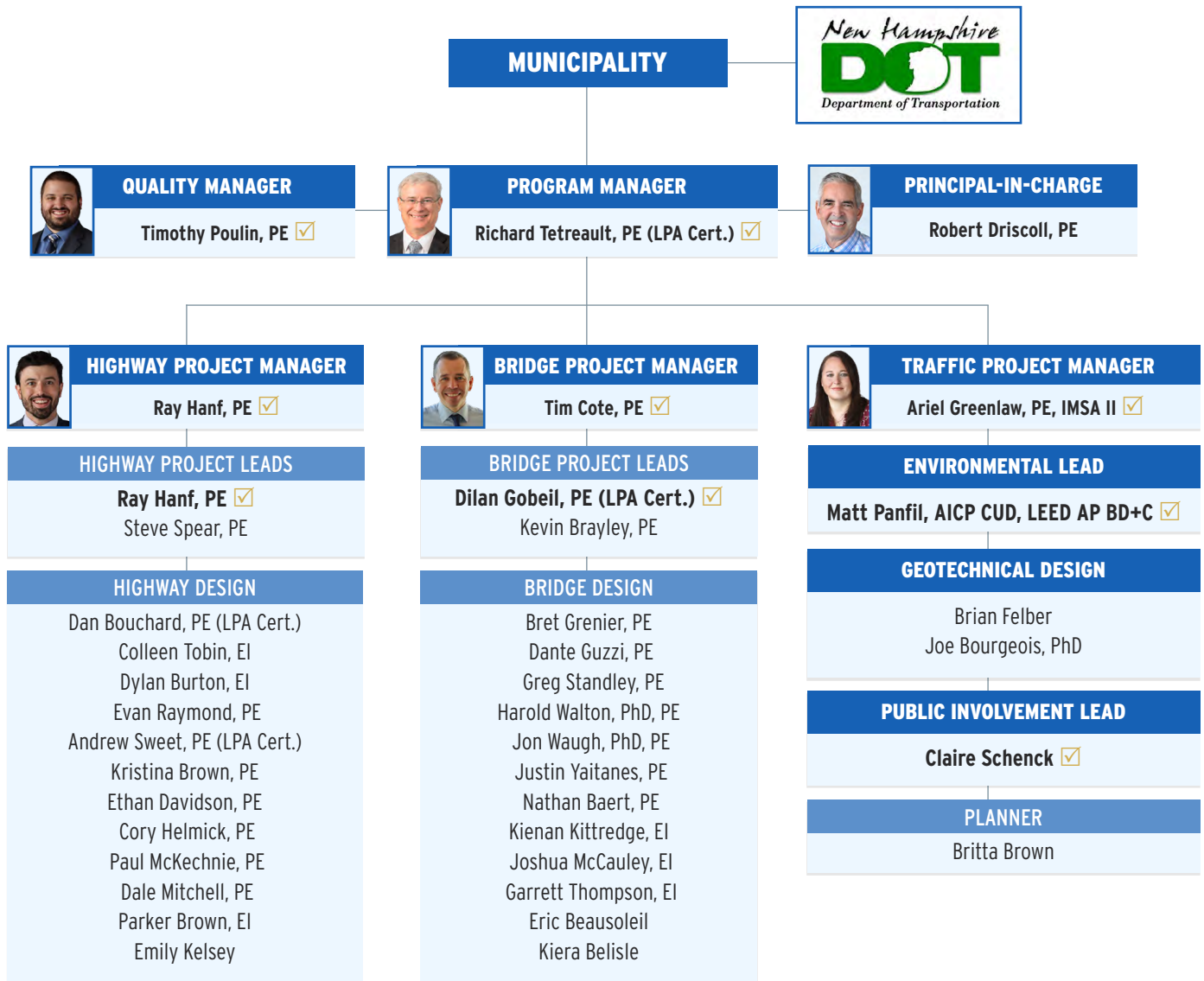
necessary to successfully advance the project. This information is then incorporated into a resource-loaded schedule that includes meeting dates and major design and coordination tasks, as well as highlights critical path items and milestone dates. Once the schedule is approved, it will become part of the project plan and serve as our team's roadmap for success. The schedule will also provide the HNTB project manager with an important tool for monitoring and measuring progress. When unexpected changes are identified, the project manager will be able to respond quickly to identify and implement a solution. As a part of our culture, HNTB takes a proactive approach to quality management. This approach is founded on our corporate Quality Management System (QMS) and verifies a consistent process to quality management and the achievement of deliverables, meeting client requirements across all disciplines.

## **Why HNTB?**

HNTB has compiled an exceptional team of experts in the required disciplines necessary to deliver highway and/or bridge projects with experience delivering these services for decades. Our comprehensive experience provides a team with a deep understanding of state and federal standards and processes. This understanding, combined with our proven track record of delivering quality projects on time and on budget, positions our team as an ideal fit to efficiently assist project sponsors and put available funds to work.

# Organizational Chart

# ORGANIZATIONAL CHART



**LEGEND**

Resume included  
Names in bold denote leadership roles

*\*HNTB plans to utilize subconsultants for survey and environmental services.*

# **Project Team**



## PROJECT TEAM

HNTB is comprised of known and trusted local professionals thoughtfully assembled to exceed client expectations. We are prepared to work as an extension of staff for municipalities, bringing significant value, including successful working relationships with NHDOT.

**WE ARE READY TO WORK HAND-IN-HAND TO COMPLETE ASSIGNMENTS THAT WILL ASSIST IN SUCCESSFULLY DELIVERING MUNICIPAL PROJECTS.**

HNTB is carefully organized to provide an array of disciplines, offering “one-stop-shopping” in support of a streamlined scope, fee and project development process.

### KEY PERSONNEL



#### **PROGRAM MANAGER:**

**Richard Tetreault, PE**, previously served as chief engineer and deputy secretary with the Vermont Agency of Transportation and more recently worked in the private sector providing engineering services across Northern

New England (NNE). He thoroughly understands what these services provide to the municipalities and has a track record of collaboration and teamwork to get things done. **As program manager, Richard will work closely with the local project sponsor seeing the project to fruition.**



#### **PRINCIPAL-IN-CHARGE:**

**Robert Driscoll, PE**, has been involved in a wide range of transportation planning and design projects involving traffic engineering analysis and system design. With 43 years of experience and a natural ability to lead and manage staff, Robert

will provide a staffing commitment to municipalities through his role as HNTB's NNE office leader.



#### **QUALITY MANAGER:**

**Timothy Poulin, PE**, currently serves as HNTB's NNE office quality manager and has extensive experience throughout the region. As quality manager, he will provide oversight for the execution of the quality plan and routinely report

on compliance to the program manager, principal-in-charge and office leadership.



#### **HIGHWAY PROJECT MANAGER:**

**Ray Hanf, PE**, is a senior project manager/transportation engineer involved in a variety of projects throughout the states of New Hampshire and Maine. He has been involved

in highway, traffic and structural projects, and his experience includes the design and feasibility for roadway, multi-use trail, traffic and toll facility projects.



#### **BRIDGE PROJECT MANAGER:**

**Tim Cote, PE**, serves as a program manager and senior project manager for the delivery of large, complex transportation projects. He has successfully advanced a broad range of bridge design, inspection and multimodal projects

through all phases. Tim works with clients to proactively address project challenges. His determination to find the right solution for each job has earned him a reputation as a collaborative problem solver with a demonstrated track record of delivering innovative solutions.



#### **TRAFFIC PROJECT MANAGER:**

**Ariel Greenlaw, PE, IMSA II**, is the NNE office traffic department manager, experienced working with a variety of private, public and municipal clients. She specializes in developing design solutions for safety mitigation, capacity improvements,

maintenance of traffic and comprehensive planning needs utilizing local, state and federal funding. Ariel plays a strong role in public process, including the development of road safety audits, reports, presentations, cost estimation, contract breakout and implementation of advancing technology through the systems engineering process.



#### **ENVIRONMENTAL LEAD:**

**Matt Panfil, AICP CUD, LEED AP BD+C**, is a section manager for HNTB's NNE office planning department and has 11 years of experience working with municipalities. He participates in business development initiatives, project

management, and technical and design applications. Matt reviews plans and policies grounded in governmental oversight, socio-economic implications and environmental regulations.



#### **PUBLIC INVOLVEMENT LEAD:**

**Claire Schenck** is a seasoned public engagement and communications specialist with a track record of driving successful communication strategies for infrastructure projects. She maintains a keen focus on engaging stakeholders and the public and meticulously conducts investigations and gathers data to inform communication strategies while maintaining regulatory compliance.

**Additional details regarding our team's experience are included on the following page.**

## PROJECT TEAM

HIGHWAY AND BRIDGE DESIGN ENGINEERING SERVICES IN SUPPORT OF LPA PROJECTS		YEARS OF EXPERIENCE	YEARS WITH FIRM	LPA CERTIFICATION	PROJECT MANAGEMENT	HIGHWAY DESIGN	BRIDGE DESIGN	STRUCTURAL ENGINEERING	ALTERNATIVE PROCUREMENT	CORRIDOR STUDY PLANNING	BRIDGE INSPECTION	BRIDGE LOAD RATING	HYDROLOGY	ENVIRONMENTAL	GEOTECHNICAL ENGINEERING	TRAFFIC ANALYSIS	PUBLIC INVOLVEMENT
KEY PERSONNEL	PROJECT ROLE																
RICHARD TETREALT	PROGRAM MANAGER	38	1	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓
ROBERT DRISCOLL	PRINCIPAL-IN-CHARGE	43	43		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TIMOTHY POULIN	QUALITY MANAGER	12	7		✓	✓	✓	✓				✓					
RAY HANF	HIGHWAY PROJECT MANAGER	17	17		✓	✓				✓							✓
TIM COTE	BRIDGE PROJECT MANAGER	24	24		✓	✓	✓	✓		✓	✓						✓
ARIEL GREENLAW	TRAFFIC PROJECT MANAGER	18	7		✓	✓				✓						✓	✓
STEVE SPEAR	HIGHWAY DESIGN	12	2		✓	✓			✓				✓	✓			✓
DILAN GOBEIL	BRIDGE PROJECT LEAD	9	1	✓	✓		✓	✓	✓		✓	✓					✓
KIENAN KITTREDGE	BRIDGE DESIGN	4	1				✓					✓					
DAN BOUCHARD	HIGHWAY DESIGN	12	2	✓	✓	✓							✓		✓		
EVAN RAYMOND	HIGHWAY DESIGN	6	6			✓											
ANDREW SWEET	HIGHWAY DESIGN	11	7	✓		✓											
ETHAN DAVIDSON	HIGHWAY DESIGN	9	7			✓											
MATT PANFIL	ENVIRONMENTAL LEAD	11	<1		✓					✓				✓			✓
BRIAN FELBER	GEOTECHNICAL DESIGN	19	17												✓		
JOE BOURGEOIS	GEOTECHNICAL DESIGN	8	<1												✓		
CLAIRE SCHENCK	PUBLIC INVOLVEMENT LEAD	4	1											✓			✓
BRITTA BROWN	PLANNER	1	1											✓			✓

# References

## REFERENCES

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**NAME/TITLE:** Carole Brush / Eastern Trail Management District

**PHONE:** (303) 877-8337

**EMAIL:** carolebrush1@gmail.com

**PROJECT:** Eastern Trail: Kennebunk to Biddeford

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**NAME/TITLE:** Wayne Frankhauser, PE / Maine Department of Transportation (MaineDOT) Bridge Program Manager

**PHONE:** (207) 557-8924

**EMAIL:** wayne.frankhauser.jr@maine.gov

**PROJECT:** MaineDOT Bridge Work

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**NAME/TITLE:** Jeffrey Beaulé, PE / City of Lewiston City Engineer

**PHONE:** (207) 513-3003 ext. 3415

**EMAIL:** jbeaule@lewistonmaine.gov

**PROJECT:** City of Lewiston: Simard-Payne Pedestrian Bridge

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# Appendix

# Resumes



## RICHARD TETREULT, PE (LPA CERTIFIED)

### PROGRAM MANAGER

Richard has a broad range of expertise in program and project delivery, operations, budgeting and emergency response. He has a proven track record of working with municipalities across New Hampshire, Vermont and Maine on federal aid projects. Richard has strong experience working with the New Hampshire Department of Transportation (NHDOT), enabling him to communicate and collaborate throughout the project delivery process to ultimately deliver on time and on budget, to the satisfaction of the client.

#### Vermont Local Public Agency (LPA) Program Management, Statewide, VT

Chief engineer at the Vermont Agency of Transportation (VTrans) for more than ten years, responsible for oversight and compliance with Federal Highway Administration (FHWA) LPA program requirements. During this period, municipalities across the state successfully delivered LPA highway and bridge projects.

#### Lebanon City, NH12A LPA Bridge, Lebanon City, NH

Principal-in-charge on this complex bridge project involving a city highway and railroad. Coordination of multiple stakeholders was a key focus area.

#### New Hampshire Department of Transportation, Durham US4 Bunker Creek Bridge Replacement, Durham, NH

Design-build quality assurance/quality control (QA/QC) administrator responsible for FHWA and NHDOT compliance with design, construction and delivery of a complex federal aid bridge project.



## TIMOTHY POULIN, PE

### QUALITY MANAGER

Timothy is a project engineer who brings experience in structural engineering, with a primary focus in bridge design. His project portfolio includes the design and rating of concrete and steel superstructures, substructures and marine facilities. Timothy has been involved in projects for multiple agencies, including the VTrans, Maine Department of Transportation (MaineDOT) and Maine Turnpike Authority (MTA). He currently serves as office quality manager for HNTB's Northern New England offices located in New Hampshire and Maine.

#### Maine Turnpike Authority, Cummings Road Bridge, Scarborough, ME

Project engineer for the preliminary and final design and construction phase services for a 421-foot, three-span steel girder replacement bridge over I-95. The project involved phased construction, widening and lengthening of the structure to accommodate future traffic volumes and a widened turnpike system. Timothy was involved in the design and detailing of the superstructure, abutments and piers.

#### Maine Department of Transportation, Madawaska Edmundston International Bridge, Madawaska, ME

Project engineer for the preliminary and final design and construction phase services for an 1,850-foot, six-span steel girder replacement bridge over the Saint John River. Timothy was responsible for the design of the superstructure and site geometrics of the structure, including substructure locations and lengths, grading and construction access.

#### Vermont Agency of Transportation, Bridge 7, Hartford, VT

Lead bridge engineer for the preliminary design, final design and construction phase services (CPS) for the replacement of Bridge 7 over the White River in Hartford, Vermont. The proposed off-alignment structure will improve mobility by connecting prominent intersections on opposite riverbanks and allow traffic to be maintained on the existing bridge during construction. The new bridge will be a 550-foot-long, three-span steel girder bridge with integral abutments. Due to structure length, skew and several site challenges, a monitoring system is planned to document structure behavior for use in designing future projects.



### RAY HANF, PE

#### HIGHWAY PROJECT MANAGER

Ray is a senior project manager/transportation engineer in HNTB's Northern New England office and is involved in a variety of projects throughout New Hampshire and Maine. He has worked on highway, traffic and structural projects for the New Hampshire Department of Transportation (NHDOT), Maine Department of Transportation (MaineDOT), Eastern Trail Management District and Maine Turnpike Authority (MTA). His experience includes design and feasibility for roadway, multi-use trail, traffic and toll facility projects.

#### **New Hampshire Department of Transportation Bureau of Turnpikes, Statewide Turnpike On-Call, Statewide, NH**

Project manager/lead highway engineer responsible for developing conceptual or preliminary geometric layouts, engineer's estimates, construction phasing/traffic control assessments, technical memorandums, client coordination, quality control/quality assurance (QA/QC) oversight and miscellaneous project management.

#### **New Hampshire Department of Transportation, Toll Plaza Conversion to All Electronic Tolling (AET), Bedford and Dover/Rochester, NH**

Project manager for the Bedford AET Conversion and the Dover and Rochester AET Conversion. These projects involved the creation of an AET zone a distance away from the existing barrier toll plaza, demolition of the existing barrier toll plazas and redevelopment of the Turnpike to a highway speed facility.

#### **Maine Turnpike Authority, Bridge and Highway Design Services 2011-2015, Turnpike Corridor, ME**

Project engineer for multiple assignments, including Blackstrap Road (Falmouth), Old Lisbon Road (Lewiston) and Snow Hill Road (New Gloucester) Bridge Rehabilitations; Lewiston Interchange and Bridge Reconstruction; and Central Street (Hallowell, Maine), Hunts Hill Road (Gray) and Mousam River (Kennebunk) Bridge Repairs.



### TIM COTE, PE

#### BRIDGE PROJECT MANAGER

Tim is a program manager in HNTB's Northern New England office and serves as a program manager and senior project manager for delivery of large, complex transportation projects. He has successfully advanced a broad range of bridge design, inspection and multimodal projects through all phases of the project lifecycle. Tim strives to work with clients to proactively address project challenges. He is a collaborative problem solver and a trusted partner to agencies in Northern New England, including the Maine Turnpike Authority.

#### **Maine Department of Transportation, Bridge Investment Program (BIP) Planning Grant Application, Statewide, ME**

Bridge lead responsible for assisting with the writing and development of a BIP Planning Grant Application on behalf of the Maine Department of Transportation (MaineDOT) for poor and critical condition off-system bridges throughout Maine.

#### **Maine Department of Transportation, Ticonic Bridge Replacement, Waterville-Winslow, ME**

Project manager responsible for advancing this significant project that replaces the aging Ticonic Bridge spanning the Kennebec River and Lockwood Dam Complex. Tim's effort included leading the project through preliminary and final design, including a comprehensive contractor engagement process, to develop a constructability-focused design.

#### **Maine Department of Transportation, I-295 over Veranda Street Bridge Replacement, Portland, ME**

Project manager responsible for advancing this high-profile accelerated bridge construction project located on the I-295 corridor in Portland, Maine. Tim worked closely with the MaineDOT and HNTB to navigate the project through a complex web of design, contractor coordination, public communication and construction requirements to support the project's successful outcome.





## ARIEL GREENLAW, PE, IMSA II

### TRAFFIC PROJECT MANAGER

Ariel is HNTB's Northern New England office traffic department manager who has worked with a variety of private, public and municipal clients. She specializes in the development of design solutions for safety mitigation, capacity improvements, maintenance of traffic (MOT) and comprehensive planning needs leveraging local, state and federal funding. As part of project development and design, Ariel has had a strong role in public process, including development of road safety audits, reports and presentations for technical and non-technical audiences; project cost estimation and contract breakout; and research/implementation of advancing technology through the systems engineering process.

She oversees solutions through final design and construction, including experience making real-time field adjustments and troubleshooting during construction phase services (CPS).

#### **New Hampshire Department of Transportation, Manchester-Hooksett Bridge Rehabilitation, Manchester, NH**

Lead traffic engineer responsible for freeway and intersection traffic engineering analysis and mobility solutions requiring public involvement, plan development, cost estimation, signal retiming and phasing for MOT, municipal outreach, CPS, breakout of construction contracts and MOT schemes.

#### **Maine Department of Transportation, Cash Corner Multi-Use Path, South Portland, ME**

Lead engineer responsible for this project resulting in improved Americans with Disabilities Act (ADA) accommodations, additional crossing and sidewalk, signal timing and phasing for a group-controlled set of intersections at one of the busiest intersections in the state. Preemption was tied directly into the fire station.

#### **Maine Turnpike Authority, Exit 32 Biddeford Interchange Alternatives Assessment, Biddeford, ME**

Traffic engineer responsible for volume development, traffic modeling, alternatives evaluation, graphics production, client communication and cost estimation. The focus for the intersection came from the turnpike systemwide safety planning evaluation that resulted in the Route 111 corridor evaluation.



## DILAN GOBEL, PE (LPA CERTIFIED)

### BRIDGE PROJECT LEAD

Dilan is a senior bridge engineer in HNTB's Northern New England office and is experienced in design and project management. He has been involved in and responsible for the successful delivery of multiple concurrent bridge design projects from concept through construction completion. Dilan led the bridge and structures design for large-scale plans, specifications and estimates (PS&E) and local city bridge projects with accelerated schedules and phased construction. He is experienced in coordination with utility owners and railroad stakeholders for bridge approval, environmental impact identification and hydraulics scour review.

#### **New Hampshire Department of Transportation, Portsmouth Soundwalls, Portsmouth, NH**

Lead bridge engineer responsible for overseeing design for the rehabilitation of two rigid frame bridges on I-95, which required partial superstructure replacements to incorporate Manual for Assessing Safety Hardware (MASH)-compliant bridge rails and bridge-mounted soundwalls. Dilan reviewed designs of the highway adjacent soundwalls and retaining walls, and coordinated with the bridge design team, project disciplines, subconsultants and stakeholders.

#### **Maine Department of Transportation, Route 100 over I-95, Palmyra, ME**

Deputy project manager responsible for the preliminary design phase to replace a 256-foot, four-span steel bridge that carries Route 100 over I-95, requiring evaluation of two-span bridge replacement options and providing recommendations for economical solutions.

#### **Maine Department of Transportation, East Hill Road over McHear Cove, East Blue Hill, ME**

Project manager responsible for the preliminary design phase of replacing an 84-foot, three-span steel bridge. The project involves evaluating multiple bridge replacement solutions, considering tidal influence, scour and sea-level rise, and assessing temporary or permanent right-of-way impacts.



## MATT PANFIL, AICP CUD, LEED AP BD+C

### ENVIRONMENTAL LEAD

As HNTB's Northern New England office planning section manager, Matt participates in business development initiatives, project management, technical and design applications. He reviews plans and policies grounded in governmental oversight, socio-economic implications and environmental regulations. Previously, Matt served as planning director for the Greater Portland Council of Governments, where he oversaw the delivery of planning recommendations, education and technical planning skills to 25 member municipalities. He managed and guided a team of planners and data professionals, providing coaching and development. Matt also coordinated with stakeholders to develop and implement strategies for sustainable land use and regulatory compliance.

#### **Maine Department of Transportation, Bridge Investment Program (BIP) Planning Grant Application, Statewide, ME**

Drafter and reviewer responsible for providing senior document review for the BIP Grant Application submitted by MaineDOT for the reconstruction of rural, off-system bridges.

#### **New Hampshire Department of Transportation, North Hampton-Rye NH 1A Coastal Revetment Reconstruction, North Hampton and Rye, NH (Prior to HNTB)**

Task manager for National Environmental Policy Act (NEPA) environmental assessment (EA) documentation.

#### **Town of Brunswick, Director of Planning and Development, Brunswick, ME (Prior to HNTB)**

Director of planning and development responsible for managing a seven-person department, maintaining financial stability and achieving project goals. Matt oversaw the development review process for large-scale development projects, including commercial, industrial and residential developments.



## CLAIRE SCHENCK

### PUBLIC INVOLVEMENT LEAD

Claire is a seasoned public engagement and communications specialist with a track record of delivering successful strategies for infrastructure projects across Northern New England. With a keen focus on engaging stakeholders and the public, she conducts research and collects data to shape communication strategies that align with community values while verifying compliance with state and federal regulations. Claire's proficiency extends to preparing outreach materials tailored for various media channels and meticulously maintaining records of public involvement activities and events. Her approach to public engagement involves tailoring outreach plans and evaluating project sites to identify and address potential challenges and community concerns proactively.

#### **New Hampshire Department of Transportation, Soundwalls and Privacy Fence along I-95, Portsmouth, NH**

Public outreach coordinator responsible for assisting the project team in the development and distribution of outreach materials. The project includes the installation of approximately 2,400 feet of soundwall along I-95 Southbound, 3,430 feet of soundwall on the Spaulding Turnpike overpass and an additional 1,000 feet of privacy fencing

#### **Vermont Agency of Transportation, Burlington-Winooski Bridge Replacement Design-Build, Burlington, VT**

Public information consultant responsible for managing the communication strategies for the project and verifying that community engagement and stakeholder coordination efforts are practical, inclusive and accessible. Through coordinating meetings with key project team stakeholders, Claire helps gather valuable local knowledge, considering all concerns and needs during the planning and design phase of the project.

#### **Maine Turnpike Authority, General Engineering Consultant (GEC) 2020-2024, Statewide, ME**

Public engagement specialist responsible for developing and executing public involvement efforts for a new controlled access corridor connecting Portland, Maine with western communities to improve regional safety and mobility as part of this GEC contract. Claire monitors the Maine Turnpike Authority's (MTA) Public Involvement Management Application (PIMA) and coordinates with the project team to draft public comment/question responses, distributes e-newsletters and project updates, develops presentation materials and assists in the preparation of a public meeting, where more than 300 people attended online and in-person.

## **Relevant Experience**



**CLIENT**

- Eastern Trail Management District/Maine Department of Transportation

**DATES**

- 2009 - 2010

## EASTERN TRAIL

### KENNEBUNK - BIDDEFORD, ME

HNTB provided conceptualization, preliminary and final design services for this 6.2-mile, multi-purpose recreational trail co-located with Unital along the abandoned Eastern Railroad corridor. HNTB worked with the client to conceptualize trail layouts and configurations and address areas of challenging topography and drainage within the corridor. In addition to trail design, work included planning and design of a pedestrian bridge over the Kennebunk River, approaches for a future bridge over the Maine Turnpike, three retaining wall structures, numerous roadway crossings and relocation of an existing stream. For the Kennebunk River Bridge, various structure types were considered before determining a 60-foot prefabricated steel truss supported by existing railroad bridge abutments was the most prudent solution. The HNTB Team was also responsible for completion of survey, resource identification, environmental permitting and coordination with regulatory agencies, right-of-way certification, public process, utility coordination and construction phase services for this project.



**CLIENT**

- City of Lewiston

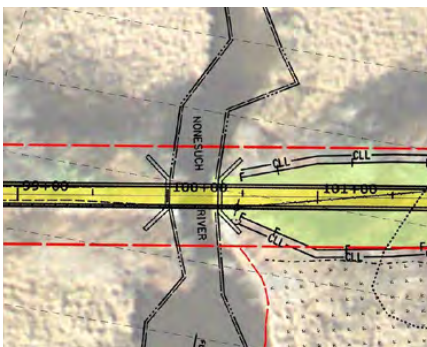
**DATES**

- 2014

## SIMARD-PAYNE PEDESTRIAN BRIDGE

### LEWISTON, ME

HNTB provided feasibility, design engineering and construction support services on this assignment. The project started with an evaluation of an abandoned through-girder railroad bridge to determine whether the existing structure could be modified to support a new pedestrian pathway. Following the favorable outcome of the study, HNTB developed final design computations, plans and contract documents for the project. The project also included construction of a new deck and railing system, approach modifications, and adjustments to nearby lighting, fencing and other existing infrastructure.



**CLIENT**

- Town of Scarborough/Maine Department of Transportation

**DATES**

- Ongoing

## EASTERN TRAIL - SCARBOROUGH CONNECTOR

### SCARBOROUGH, ME

Viewed as the most challenging section of Eastern Trail completed to date, the HNTB Team completed a detailed alignment study for the project that culminated in an alternatives analysis for the United States Army Corps of Engineers in accordance with Section 404(b)(1) of the clean water act. The final solution is a fully off-road alignment, including the construction of new bridges over the Nonesuch River and Pan Am Railways, that addressed environmental concerns, technical challenges, safety and trail user experience, amongst other criteria.



**CLIENT**

- Maine Department of Transportation

**DATES**

- Ongoing

## LINCOLN STREET AND CASH CORNER PATHWAY EXTENSIONS

SOUTH PORTLAND, ME

HNTB is providing conceptual alternatives evaluation and preliminary design services for these two separate multi-use path extensions. The Lincoln Street project will connect the South Portland Greenbelt Pathway to the Veterans Memorial Bridge pathway. The Cash Corner project includes the construction of a multi-use pathway from Cash Street through a city-owned park parcel to provide connectivity to the existing multi-use path along Main Street (Route 1). Both projects include developing and evaluating a range of alternatives against a set of established evaluation criteria. HNTB is responsible for alternatives evaluation and design services for these projects, both of which are currently being designed for construction.



**CLIENT**

- Vermont Agency of Transportation

**DATES**

- Ongoing

## HARTFORD BRIDGE 7

HARTFORD, VT

The Vermont Agency of Transportation (VTrans) selected HNTB to prepare the final design of this bridge replacement project through a competitive work order request process. The bridge’s realignment required adjacent roads to be re-profiled and several utilities to be relocated. To reduce construction costs and durations, HNTB recommended a short-term roadway closure of Vermont Route 14 to adjust the profile, relocate utilities, and prepare for abutment construction. Leveraging experience on similar projects, HNTB moved forward with a refined modeling approach to fully capture anticipated behavior of the bridge and all of the site and geometric complexities. A 3D finite element model incorporating equivalent soil springs was the basis for the model. Heightened coordination with the geotechnical engineering team and a regional university researcher was necessary to iterate the design and validate that results were reasonable. HNTB anticipates supporting VTrans with the implementation of a monitoring system at this bridge to compare physical and analytical bridge behavior and use the information on future designs.



**CLIENT**

- City of Lewiston

**DATES**

- 2020

## LEWISTON SIDEWALK/AMERICANS WITH DISABILITIES ACT (ADA)/SIGNAL UPGRADES

LEWISTON, ME

HNTB is providing traffic engineering services to the City of Lewiston for the purpose of developing final design plans, specifications and an engineer’s estimate for traffic signal upgrades and ADA improvements at multiple intersections on, and in close proximity to, the East Avenue corridor, including the City of Lewiston - Simard-Payne Pedestrian Bridge T, Lincoln Street/Cash Corner and Lewiston Sidewalk. Design is being completed in accordance with the City of Lewiston, Maine Department of Transportation (MaineDOT), Manual on Uniform Traffic Control Devices (MUTCD) and ADA Standards for Accessible Design requirements.



**CLIENT**

- Maine Department of Transportation

**DATES**

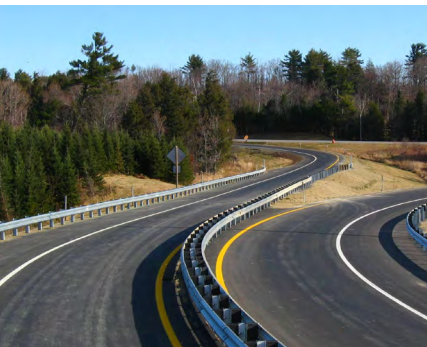
- 2020

## I-295 OVER VERANDA STREET BRIDGE REPLACEMENT

PORTLAND, ME

HNTB completed a feasibility study, followed by design, for replacement of the I-295 over Veranda Street Bridge. The study identified alternatives for reconfiguring Veranda Street and the adjacent I-295 ramps to support the goals of improved safety, simplified roadway geometrics, enhanced bicycle and pedestrian accommodations, and a shorter single-span bridge.

Working with the Maine Department of Transportation and City of Portland, HNTB evaluated each alternative against an established set of criteria to identify a preferred solution. The project created the opportunity to add a 1,500-foot, multi-use path winding through a green space proposed by the City of Portland that will tie into an existing multi-use path extending over the nearby Martin's Point Bridge.



**CLIENT**

- Maine Department of Transportation

**DATES**

- Ongoing

## HIGHWAY PROGRAM STATEWIDE ON-CALL

STATEWIDE, ME

For more than 20 years, HNTB has completed a wide range of on-call highway design services that have ranged from drafting support as staff augmentation to full reconstruction/rehabilitation projects. The following is a small sample of the types of projects HNTB has delivered to the Maine Department of Transportation Highway program:

- Pavement preservations support, including alignment development, cross slope modification tables and guardrail assessments
- Large culvert replacements improving habitat connectivity on deteriorated stream crossing
- Ancillary design support to create 3D design models for a major roadway corridor project
- Slope stabilization project that included plan development, constructability support, quantity estimation and project management support
- Intersection improvements, including signalization and Americans with Disabilities Act upgrades, geometric modifications to accommodate design vehicles and highway lighting support
- Spot improvements projects, such as emergency drainage replacements and associated pavement preservation, roadside ditching and culvert replacements
- Major corridor multi-mile full reconstruction and rehabilitation projects



**CLIENT**

- New Hampshire Department of Transportation

**DATES**

- Ongoing

## STATEWIDE TURNPIKE ON-CALL

### STATEWIDE, NH

For nearly 20 years, HNTB has completed a wide-range of on-call projects relating to toll systems, facility management, infrastructure design and other special turnpike engineering assignments, including:

- Maintenance decision support system (MDSS) technical proposal development and vendor evaluation
- Grant application assistance
- Capital project assessment
- Bedford toll conceptual highway layouts for conversion to all electronic tolling (AET)
- Portsmouth soundwall noise analysis and preliminary design
- I-93 Interim Mobility Study

For each assignment, the HNTB project manager coordinated with the New Hampshire Department of Transportation (NHDOT) Bureau of Turnpikes and assigned a dedicated project manager and team to complete a quality project on time, on budget and to the NHDOT's satisfaction.



**CLIENT**

- New Hampshire Department of Transportation

**DATES**

- Ongoing

## MANCHESTER-HOOKSETT I-93 SOUTHBOUND (SB) BRIDGE PRESERVATION IMPROVEMENTS

### MANCHESTER AND HOOKSETT, NH

This project constructs preservation improvements to five I-93 SB bridges located in Manchester and Hooksett, New Hampshire. The project includes public involvement, bridge inspections, development of traffic control and sequencing solutions, and associated environmental and cultural services for the bridge preservation of the following existing structures:

- Manchester 127/122 and 124/119, both carrying I-93 SB over Stevens Pond
- Manchester 119/115 carrying I-93 SB over Wellington Road
- Manchester 102/108 carrying NH 28A over I-93
- Hooksett 095/048 carrying I-93 SB over US 3/NH 28

The purpose of the project is to complete preservation-related improvements, such as pavement and membrane removal and replacement, full/partial depth deck repairs, joint replacements and miscellaneous repairs to maintain each bridge in good condition and maximize the service life of each structure. The preservation work will be performed through the use of detailed traffic control scenarios, which include phased construction, ramp closures, detours, and lane and shoulder closures.