

Charles L. Waite, III, Chair
John M. Daley, Vice Chair
Richard A. Dolliver
Madeline S. Mooney
Robert N. Winn, Jr.



AGENDA
MEETING OF THE OGUNQUIT SELECT BOARD
TUESDAY, OCTOBER 16, 2018

1.0 CALL TO ORDER: 6:00PM

- 1.1 Roll Call of Members
- 1.2 Pledge of Allegiance

2.0 PRESENTATIONS, PROCLAMATIONS, RESOLUTIONS & COMMUNICATIONS

- 2.1 Ogunquit Rotary - Presentation of a Beach Wheel Chair to be donated to the Town by Rotary President Bob Cruickshank and Rotarian Ed Smith

3.0 TOWN MANAGER'S REPORT

4.0 APPOINTMENTS

- 4.1 Bicycle-Pedestrian Committee
 - a. Bob McBreen, Full Member - 2021
 - b. Bruce Byorkman, Full Member - 2020
 - c. Greg Testa, 1st Alternate - 2019

5.0 UNFINISHED BUSINESS

- 5.1 Authorize the Town Manager to enter into a Contract with CMA Engineers and Dubois & King, Inc. for On-Call Civil Engineering Services
- 5.2 Authorize the Town Manager to enter into a Contract with DeStefano Associates for Construction Management Services for engineering, design and construction of Beach Bathhouses

6.0 NEW BUSINESS

- 6.1 Public Hearing on the Proposed Warrant Articles for the November 6, 2018 Special Town Meeting
- 6.2 Award of Bid for a 6-Month Certificate of Deposit
- 6.3 Set Select Board Meeting Dates

7.0 CITIZEN COMMENTS (For town topics not on the agenda)

The Select Board welcomes public comments and questions about Town-related issues that are not on the agenda. We ask that people keep comments on point and within 3 minutes.

8.0 OTHER BUSINESS

- 8.1 Select Board Reports and Announcements

9.0 ADJOURNMENT



Appointments
&
Resignations

Admin

From: Bruce Byorkman [bbyorkman@comcast.net]
Sent: Tuesday, September 11, 2018 2:42 PM
To: Emery, Cheryl; Finnigan, Patricia; Murphy, Christine
Cc: LaFlamme, Charley
Subject: Bicycle/Pedestrian Committee Membership

Hello-

At their June 5th meeting the Select Board approved the updated Bicycle/Pedestrian Committee Bylaws that called for the committee to consist of seven members and two alternates. I see at the Board's July 17th meeting that they appointed Charley LaFlamme as a Full Member with term expiring in 2021, Bob McBreen as First Alternate, and Bruce Byorkman as Second Alternate, both expiring in 2019.

With the expanded size of the committee under the new bylaws, we would like both Bob and Bruce to be Full Members, expiring 2021 and 2020 respectively; and Greg Testa to be the First Alternate.

Please let me know if we need to do anything else to make these changes.

Thanks,

Bruce



MUNICIPAL OFFICES
 23 SCHOOL STREET • P.O. BOX 875
 OGUNQUIT, MAINE 03907-0875
 Website: www.townofogunquit.org
 E-mail: info@townofogunquit.org

(207) 646-5139	General Offices
(207) 646-9326	Land Use
(207) 646-9546	Town Clerk
(207) 646-5920	Fax

Certificate of Appointment

In accordance with Article III, Section 310.2 of the Charter of the Town of Ogunquit, the undersigned municipal officers of the Town of Ogunquit do hereby vote to appoint and confirm:

Bruce Byorkman as a Bicycle-Pedestrian Committee Member

Dated: October 16, 2018
 Term Expiration: June 30, 2020

OGUNQUIT SELECT BOARD

 John M. Daley

 Richard A. Dolliver

 Madeline S. Mooney

 Charles L. Waite, III

 Robert N. Winn, Jr.

State of Maine
 County of York, ss _____, 2018

Personally appeared the above named Bruce Byorkman, who has been duly appointed and confirmed as a Bicycle-Pedestrian Committee Member in said municipality and took the oath necessary to qualify for office and perform the duties thereof for the above-stated term according to law.

Before me,

 Christine L. Murphy, Town Clerk
 Jo Anne Lepley, Deputy Town Clerk



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Certificate of Appointment

In accordance with Article III, Section 310.2 of the Charter of the Town of Ogunquit, the undersigned municipal officers of the Town of Ogunquit do hereby vote to appoint and confirm:

Greg Testa as a Bicycle-Pedestrian Committee Member-1st Alternate

Dated: October 16, 2018
Term Expiration: June 30, 2019

OGUNQUIT SELECT BOARD

John M. Daley

Richard A. Dolliver

Madeline S. Mooney

Charles L. Waite, III

Robert N. Winn, Jr.

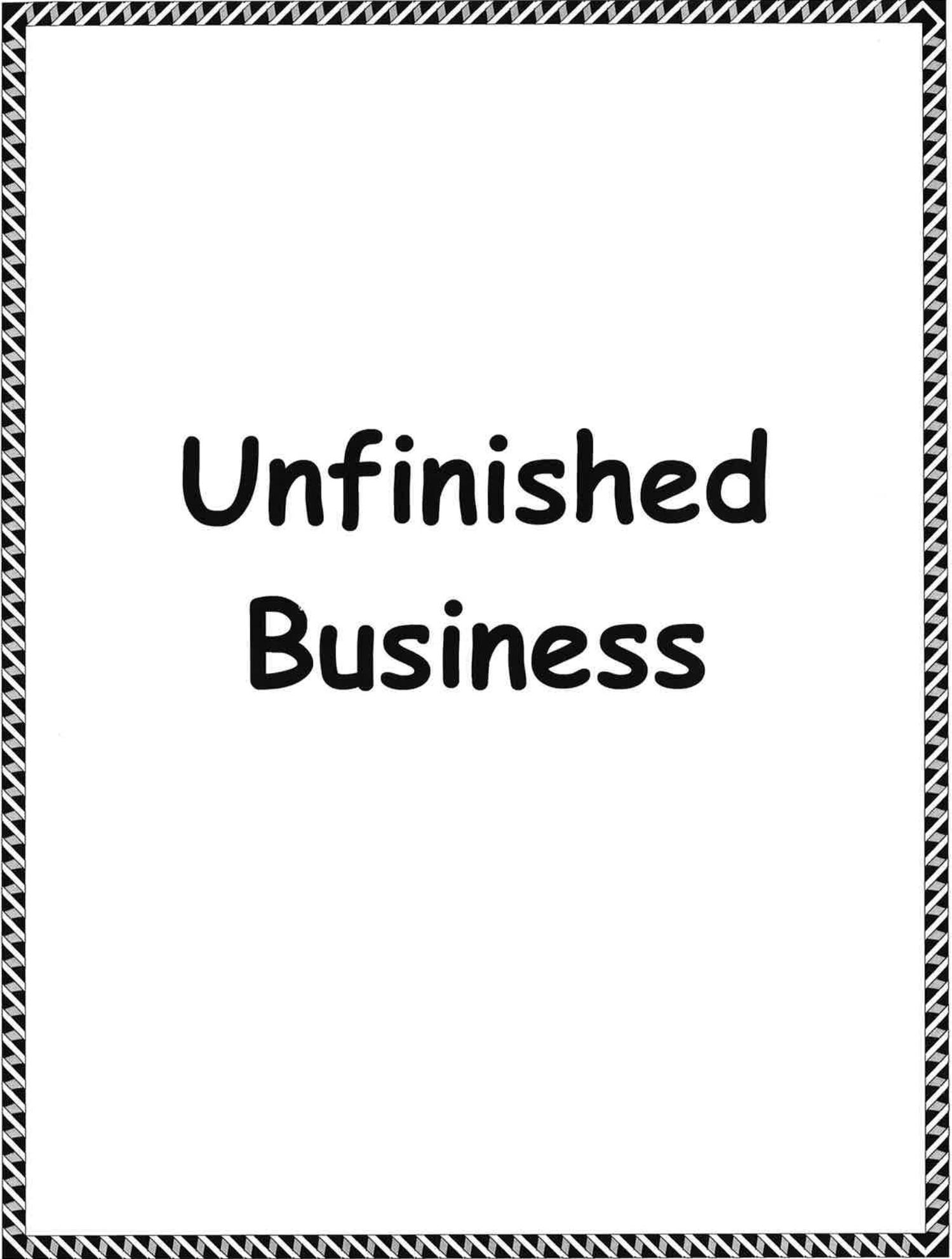
State of Maine
County of York, ss

_____, 2018

Personally appeared the above named Greg Testa, who has been duly appointed and confirmed as a Bicycle-Pedestrian Committee Member -1st Alternate in said municipality and took the oath necessary to qualify for office and perform the duties thereof for the above-stated term according to law.

Before me,

Christine L. Murphy, Town Clerk
Jo Anne Lepley, Deputy Town Clerk

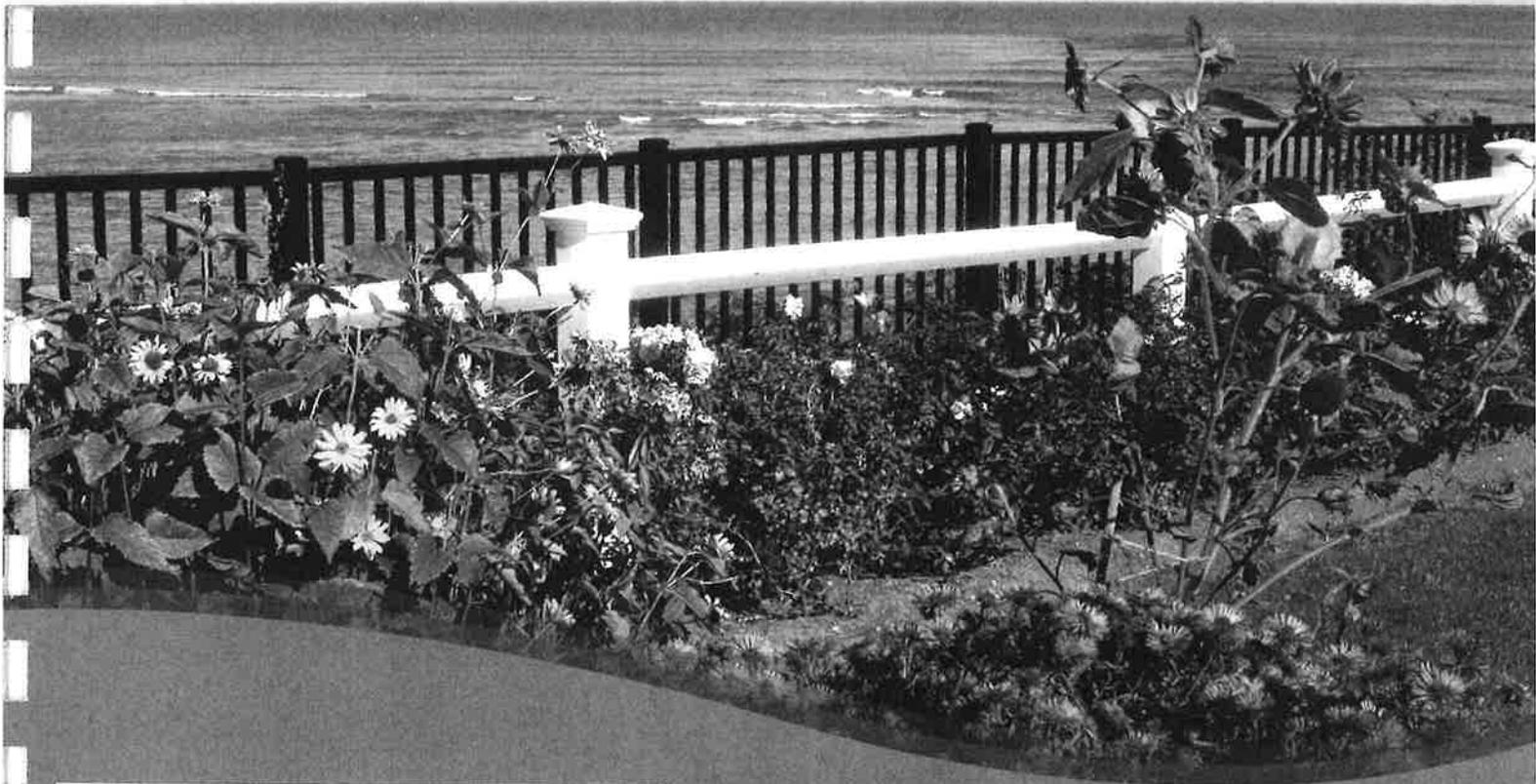


Unfinished Business

STATEMENT OF QUALIFICATIONS

On-Call Civil Engineering Services

August 24, 2018



OGUNQUIT
Beautiful Place by the Sea

Presented to:
Patricia A. Finnigan
Town Manager
Town Hall, 23 School Street
Ogunquit, Maine 03907

Presented by:

CMA
ENGINEERS

35 Bow Street
Portsmouth, NH 03801

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A

Letter of Transmittal



August 24, 2018

Ms. Patricia A. Finnigan, Town Manager
P.O. Box 875/23 School Street
Ogunquit, ME 03907

**Re: Statement of Qualifications for On-Call Civil Engineering Services
CMA #P-2894**

Dear Ms. Finnigan:

CMA Engineers, Inc. is pleased to submit our Statement of Qualifications for On-Call Civil Engineering Services to the Town of Ogunquit. The Request for Qualifications (RFQ), describes engineering disciplines needed to support the Town's planning, design, permitting, and construction engineering needs for municipal projects. We are interested in providing services for all the project types listed in the RFQ, including:

- 1. Roadway and Sidewalk Reconstruction Design and Construction Administration**
- 2. Town-wide Roadway Maintenance/Reconstruction Plan**
- 3. General Civil Engineering Services**
- 4. Marginal Way Coastal Protection and Landscape Architectural Design**
- 5. Recreational Facilities (Tennis Courts, ball fields, etc.).**
- 6. Structural Engineering - Bridges, Buildings and Seawalls**

A major focus of our firm is engineering for municipal infrastructure projects in a wide range of service areas, including civil site engineering, transportation engineering, roadway/streetscape design, utilities, structural, stormwater management, general environmental projects, and construction administration and inspection. Our team includes principals and staff with multi-disciplinary capabilities that allow us to provide responsive and creative services. We understand how municipalities get capital projects completed, integrating excellent engineering with decision-making and funding processes that municipalities use.

CMA Engineers has offices in Portsmouth and Manchester, NH and in Portland, Maine. We will manage Town projects from our Portsmouth location, with support on structural engineering projects out of our Portland office. Both offices are in close proximity to Ogunquit, enabling us to provide responsive on-call service. All offices of CMA Engineers function collaboratively and interactively. CMA Engineers has provided engineering services to clients throughout New Hampshire and New England for over 29 years and to over 100 municipalities during that time.

Our principals and staff will manage and complete most of the engineering under any assignment. Additionally, to meet individual project needs, we will draw on established relationships with specialists/subconsultants:

- **Richardson & Associates** – Landscape Architecture
- **North Easterly Survey, Inc.** – Topographic Surveys and Boundary Research
- **Michael Cuomo** – Wetlands & Soil Scientist

The entire team will be managed by CMA Engineers in seamless service to the Town.

We appreciate this opportunity to present our qualifications to the Town of Ogunquit and would sincerely appreciate the opportunity for our team to be of service to the Town with its engineering needs for infrastructure. If you have any questions or need additional information, please feel free to contact us.

Very truly yours,

CMA ENGINEERS, INC.


Philip A. Corbett, P.E.
Project Manager


William A. Straub P.E.
Principal in Charge

Enclosure

B

Introduction - Firm Overview

OUR MISSION

CMA Engineers is a civil and environmental consulting engineering firm providing responsive engineering services of outstanding quality to select public and private sector clients on projects that are cost-effective, technically and environmentally sound, and innovative when appropriate. CMA Engineers is managed in a manner to assure a sustainable, ethical, and financially sound professional practice.

OUR VALUES

CMA Engineers shall place a very high value on excellent client service; hard work; quality; creativity; reliability; careful innovation; protection of public health, safety, and welfare; professionalism and integrity; sustainability, employee safety, professional and public service; and financial stability.

CMA Engineers, Inc. is a New Hampshire based consulting engineering firm, with offices in Portsmouth and Manchester, New Hampshire, and Portland, Maine. The firm is wholly owned by working principals of the firm. The firm specializes in engineering for municipal public works projects. CMA Engineers has served municipalities throughout New Hampshire and northern New England for over 29 years. During that time the firm has successfully completed projects in the following wide range of service areas:

- *Transportation, roadway, and streetscape design*
- *Pedestrian facilities, including sidewalks, rail trails and multi-use paths*
- *Structural engineering, including buildings, bridges and retaining walls*
- *Stormwater and water quality projects*
- *Coastal and river project including bank stabilization and sea walls*
- *Municipal asset management, including pavement management*
- *Environmental site assessments and geotechnical engineering support*
- *Wastewater and water utility design*
- *Construction administration and inspection services*

CMA Engineers was formed in 1988 and has grown carefully and effectively since that time, now including 26 full time employees, with 14 professional engineers. The firm currently has principal and senior technical staff in the practice areas of civil, environmental, structural, and geotechnical engineering.

Ogunquit projects will be managed primarily from our Portsmouth, NH office, less than 20 miles from Ogunquit. All offices of CMA Engineers function collaboratively and interactively, and the Ogunquit project teams will draw on personnel from all offices. The primary members of the design teams for each Ogunquit project will be CMA Engineers personnel. Our team will be supplemented with specialists to provide the full list of services to Ogunquit as listed in the Request for Qualifications. Supporting team members will include:

- *Richardson & Associates* – Landscape Architecture
- *North Easterly Survey, Inc.* – Topographic & Boundary Surveys
- *Michael Cuomo* – Wetlands & Soil Scientist

When we form such teams, the capabilities of CMA Engineers are leveraged, and CMA Engineers manages the entire team so that the client receives seamless services.

C

Qualifications of Firm in Selected Areas of Service

Listed below, we briefly describe our background and expertise for each of the requested service areas, as outlined in the Request for Qualifications, and explain how it will apply to serving the Town of Ogunquit. *All the pictures shown in this section are from representative projects design by CMA Engineers.* We have also included multiple project sheets at the end of this section, demonstrating team success in completing representative projects.



Roadway and Sidewalk Reconstruction Design and Construction Administration

CMA Engineers has extensive experience with roadway design ranging from urban settings to local roads to state highway design. Our roadway improvement projects consist of stand-alone projects as well as roadway and intersection improvements in concert with utility, drainage, and bridge projects. We recently completed roadway/streetscape reconstruction projects in Portsmouth, Exeter, Dover and Rochester addressing both urban and suburban settings.



CMA Engineers has successfully delivered, managed and executed more than \$200 million in construction projects in the last 10 years. On all projects, we represent municipal clients in contract administration, resident engineering, quality assurance programs, and project acceptance. Our project managers deliver well executed projects with the support of our capable engineering staff and construction site representatives. We routinely provide construction bid documents to our clients, assisting them with soliciting bids, evaluating bids



for contract award and contract execution, as well as providing proper reporting and documentation for funding reimbursement through the various state or federal programs. CMA Engineers also has experience formulating and administering design/build contracts, representing municipal owners in this project delivery method.

Town-wide Roadway Maintenance/Reconstruction Plan

CMA Engineers has completed roadway surface data collection projects in Dover and Somersworth, NH and Eliot, ME, and are completing one in Rochester, NH. For each of these, we have utilized state-of-the-practice automated roadway/pavement data collection methodology integrated with asset management methodologies to define appropriate roadway maintenance budgets and develop GIS based pavement asset management plans. CMA Engineers has played this role since this technology was initially introduced for use in New England municipalities.

The Town of Ogunquit has contracted with *StreetScan* for the automated data gathering. CMA Engineers staff members are familiar with *StreetScan's* output from their work in Rye, NH. CMA Engineers' services typically entail using the Pavement Condition Index (PCI) and other information generated by the automated data collection and reviewing the software output that addressed roadway maintenance and reconstruction methods applicable to roadways in various conditions to generate a focused, annual plan for reconstruction of roadways in poor condition and maintenance of roadways in better condition to prolong pavement life. The software output and the maintenance/reconstruction plan can also be used to determine whether current annual expenditure levels are adequate or not to maintain or gradually improve average roadway condition over the long term.



General Civil Engineering Services – drainage, culverts & parking lot improvements

We support several communities with general civil engineering services including municipal site design, utilities design and planning board review services. We have provided *on-call general engineering services* for the NH Municipalities of *Concord, Somersworth, Hampton, Northwood, Nottingham, and Colebrook NH*; as well as *Kittery, ME, and Manchester-by-the Sea, MA*.



Stormwater management and drainage are essential parts of most civil engineering projects. CMA Engineers integrates effective stormwater designs incorporating best management practices and low impact design for water quality benefits in roadway and site development projects. CMA Engineers has assisted many communities in meeting state and federal environmental permitting requirements for many types of projects including EPA Phase II Stormwater Permits, EPA NPDES surface water discharge permits, wetlands permits and the gamut of Section 106 (NEPA) environmental reviews.



The CMA Engineers team will be supplemented for Ogunquit projects through the inclusion of Team members for Environmental Site Assessments, if required, and materials testing and certification including Special Inspections as required by IBC for building related projects.



Marginal Way Coastal Protection and Landscape Architectural Design

With respect to coastal engineering, CMA Engineers recently completed in North Hampton, NH, what we believe to be one of the first efforts along the New England coast to prepare a coastal hydraulic model to assess both extreme precipitation event runoff and extreme storm surges, both at current sea levels, and with ranges of climate change induced sea level rise ranges for 2050 and 2100. With respect to long-term planning for maintenance of the Marginal Way, current repair strategies need to consider 2050 projected



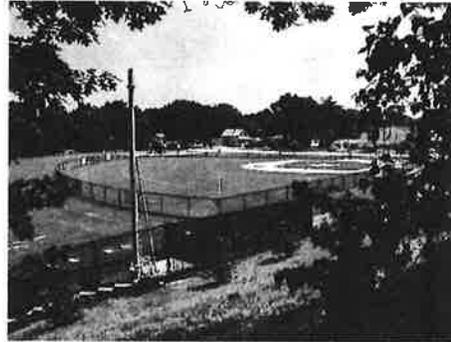
ranges of sea level rise, and consideration needs to be given to the impacts if the extraordinary ranges of sea level rise later in this century are experienced in the time frames currently projected.

CMA Engineers has designed and is currently overseeing construction of coastal protection repairs and upland soil/vegetation reconstruction at Morss Pier at a highly valued Frederick Law Olmstead designed park in Manchester-by-the-Sea, MA.



Recreational Facilities

CMA Engineers has been selected by the City of Portsmouth to design and administer the construction of the first \$5 million phase of a new recreational facility to include multiple athletic fields. CMA Engineers is providing project management and civil design services and managing the design input of Weston and Sampson Engineers who have extensive experience in athletic fields and tennis facilities.



Our firm received national awards for the design and reconstruction of major athletic facilities initially constructed in Nashua, NH over abandoned municipal landfills. Our design efforts included capping waste materials, dealing appropriately with stormwater management and landfill gas collection, and reconstructing athletic fields and playgrounds over the reconstructed sites.

Structural Engineering - Bridges, Buildings and Seawalls

Municipal and state bridge projects are a significant area of CMA Engineers' practice, including evaluation of bridge and wall alternatives and the design and construction of large, multi-span structures, bridges integrated with roadway and drainage projects, pedestrian bridges, and renovation of historic bridges. CMA Engineers staff is experienced with the standards of the MaineDOT Bridge Program.



Additionally, CMA Engineers provides general building system engineering and geotechnical evaluation and design, including public works and other ancillary structures.



In Manchester-by-the-Sea, we have designed repairs for the Morss Pier Seawall, and design and constructed a new seawall at the Tuck's Point beach (*both pictured at right*) to replace a failing wall and stop bank erosion. We have also designed several revetment projects for bank stabilizations (pictured above, the Connecticut Riverbank stabilization project).



Summaries of Highlighted Projects

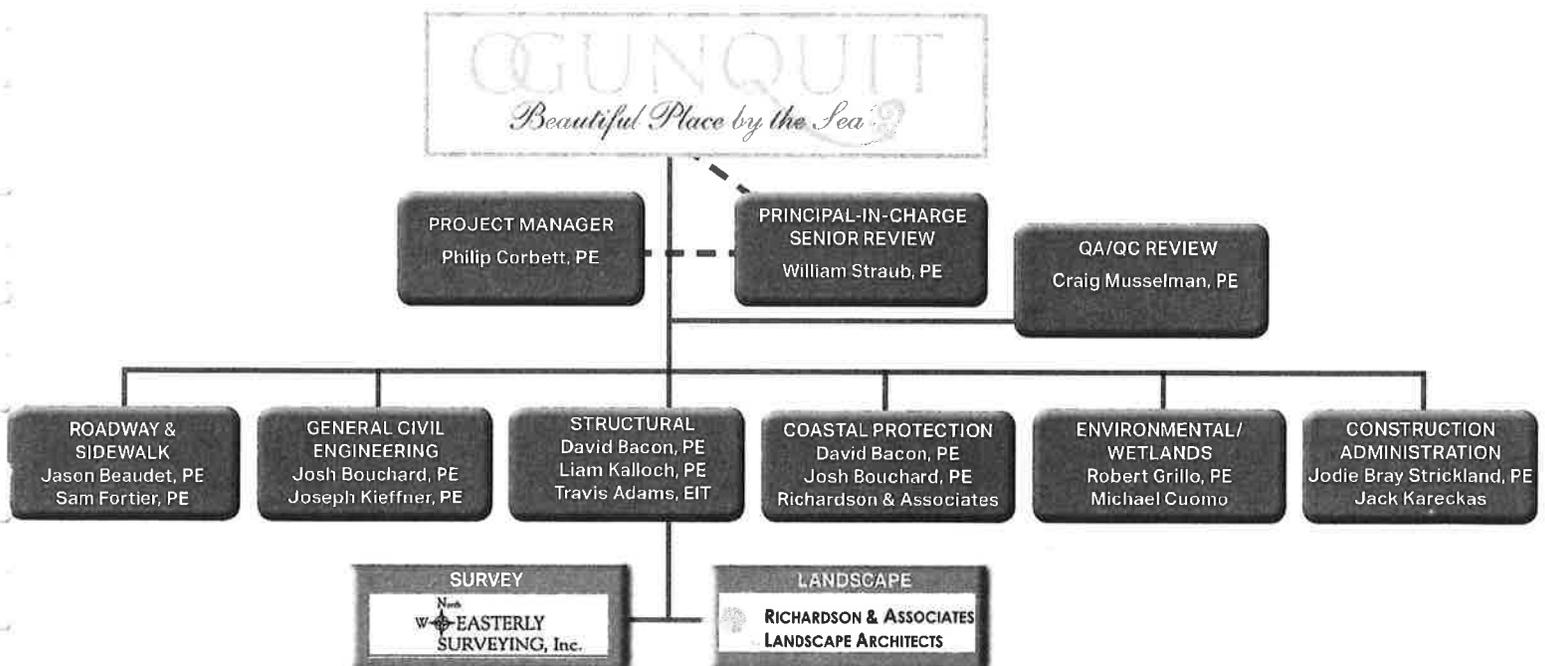
On the following pages are summaries of several highlighted projects that show the breadth and strength of the CMA Engineers Team project experience. These summaries are by no means an exhaustive but serve to demonstrate the types and variety of our experience on recent projects.

We would welcome the opportunity to discuss the Town's needs in greater detail and to answer any questions the Town may have about our qualifications and experience.

D

Project Team Description

CMA Engineers has assembled a comprehensive project team with unique relevant experience and a proven record of performance. Adding to CMA Engineers' capabilities, we are pleased to be supported by the firms of *Richardson & Associates*, *Michael Cuomo*, *Soil Scientist*, and *North Easterly Survey* for Ogunquit assignments as described in the organizational chart below. These firms will be integrated into the project team and lead specific tasks to meet the Town's needs on a wide range of infrastructure projects. Individual task leaders will be supported by the full resources of CMA Engineers and their respective firms to meet project needs and for the comprehensive success of the project. Our team organization chart provides a formal structure of the team, task responsibilities, and reporting relationships.





Project Management

Philip A. Corbett, P.E. is a Senior Civil Engineer and will serve as the Task Leader on civil, transportation, and landscape architecture assignments for Ogunquit. Mr. Corbett is a project manager with over 16 years' experience in managing planning, design, and construction of a wide range of civil, roadway, streetscape, and utilities projects including those funded through DOT programs. Mr. Corbett has a strong background in roadway design, intersection design, bicycle and pedestrian improvements, traffic analysis, site design, and drainage projects. Mr. Corbett has completed numerous projects in these areas of practice in Portsmouth, Exeter, Concord, Dover, Exeter, Concord, Windham, and Newington, and several civil/environmental projects in Berlin, NH. Mr. Corbett is a licensed professional engineer in NH, CO and FL, and received a BSCE from the University of Colorado and an MS in Civil Engineering from the University of Washington.



Principal-in-Charge

William A. Straub, P.E. is Vice President of CMA Engineers and will serve as principal in charge. He has over 35 years' experience in a wide range of civil and environmental engineering projects for municipalities across New Hampshire. Mr. Straub will have overall responsibility to ensure that project requirements and client needs are being met and that the required resources of the firm are provided. He will participate in key meetings. With the project manager, he will formulate work plans and monitor for responsive completion. In addition to project management and development, Mr. Straub is responsible for professional development of engineering staff. He has a bachelor's Degree in Civil Engineering from the University of New Hampshire and a master's Degree in Engineering from Dartmouth College, is licensed in NH, VT, ME, and MA and has been a leader in the NH engineering community, including being selected as the NH Engineer of the Year by the New Hampshire Engineering Societies in 2006.



QA/QC Review

Craig Musselman, P.E., BCEE is the President of CMA Engineers and will serve as independent quality assurance reviewer. This is an internal role within the firm and will assure that project development and major work products are fully vetted and reflect responsive as well as complete and solid engineering. Mr. Musselman coordinates and directs the management of CMA Engineers. He has extensive experience in development of all types of projects, and in the municipal processes that support them, including financial, legal, and institutional aspects. In addition to his engineering career, he has served as a Selectman for the Town of Rye, NH for the past ten years, and is an active participant and contributor to several national engineering organizations/societies, including ASCE, NSPE, and ABET. He is a licensed Professional Engineer in New Hampshire, Maine and Massachusetts. He was selected as the NH Engineer of the Year by the New Hampshire Engineering Societies in 2004.



Roadway, Utility, and General Civil Engineering

Jason J. Beaudet, P.E. is a Senior Project Engineer with over 12 years' experience and extensive knowledge in the development, design, and management of projects ranging from small municipally managed rural bridge replacements to large scale interstate highway rehabilitation and widening projects throughout New England. In close collaboration with project team, Jason will assist on design of roadway and streetscape projects. He is managing roadway and NHDOT LPA projects in Exeter, Claremont, Salem, and is project engineer on additional projects in Colebrook, Hooksett, Littleton, and on the NHDOT Laconia project and several projects for the Maine DOT. He is LPA Certified in Maine and NH. Mr. Beaudet holds a BS in Civil Engineering and an MS in Transportation Engineering from the University of Massachusetts-Lowell, is a licensed professional engineer in NH, ME, VT, and MA, and was presented the Young Engineer of the Year Award by the New Hampshire Engineering Societies in 2015.



Joshua W. Bouchard, P.E. is a Project Engineer with over thirteen years' experience as a civil engineer. His project experience includes planning, design, and construction administration on a broad range of roadway and general civil projects. Josh is currently the project engineer for several bridge, culvert, roadway rehabilitation, and utility projects. His experience includes designs for municipal utilities projects in Colebrook, Northumberland, Hampton, Durham, Kingston, Claremont, Alton, and New Durham. As a Project Engineer for the team, Mr. Bouchard will provide engineering for roadway design, drainage utilities, including conceptual, preliminary, final designs, and construction services. Mr. Bouchard has a bachelor's Degree in Civil Engineering from the University of New Hampshire and is a licensed professional engineer in New Hampshire.



Sam Fortier, P.E. is a project engineer with over 7 years' experience in roadway and municipal projects engineering. Sam is an accomplished roadway/highway design engineer with experience on municipal and DOT projects. He is currently working on Exeter's Lincoln Street and Kingston's TAP project. Sam's design experience includes roadway alignments, profiles, and cross-sections; sidewalk, curbing, and drainage design; utility coordination; development of final plans and specifications for bidding. Sam has completed work on roadway/streetscape projects in New Hampshire, Vermont and Massachusetts. Mr. Fortier received a Bachelor of Science in Civil Engineering from UNH, and is a licensed professional engineer in NH.



Joseph Kieffner P.E. is a senior project engineer with over 14 years' experience in roadway, drainage, utility and municipal projects engineering. Joe recently joined CMA Engineers as an accomplished municipal design engineer with experience in water and sewer utility design; hydrologic and hydraulic analysis; roadway alignments, profiles, and cross-sections; and environmental permitting. sidewalk, curbing, and drainage design; utility coordination; development of final plans and specifications for bidding. In prior employment Joseph completed work on utility and site design projects in New Hampshire and Massachusetts. Mr. Kieffner received a Bachelor of Science in Civil Engineering from Mississippi State University and is a licensed professional engineer in NH.

Structural



David Bacon, P.E. is a Vice President and Chief Structural Engineer with over 35 years' experience in leading large, complex, transportation infrastructure projects with multiple design and construction contracts. Mr. Bacon's extensive engineering experience includes eight years as the project manager for the design of seven tunnel construction projects for the Central Artery project in Boston. For the past fifteen years, he has overseen planning for over 1,000 miles of proposed interstate highway improvements in Texas and has served as the project manager for the design and construction management of highway, utility and tunnel projects in the Middle East. He received a BA from Ohio University, a BSCE from the University of Maine, Orono, and an ME in structural engineering from Cornell University, is licensed in NH, ME, and MA.



Liam B. Kalloch, P.E. is a Project Engineer with 6 years' of professional experience. Since joining CMA Engineers in 2013, he has been involved in the design, analysis, rating, and detailing of a wide range of municipal and DOT owned bridges. Mr. Kalloch received a BS and MS in Civil Engineering from the University of New Hampshire and is a licensed professional engineer in the state of Maine.



Travis M. Adams, E.I.T. will assist with bridge analysis, inspection and design. Travis joined CMA Engineers as a Project Engineer in 2016, after joining as an intern. He has an educational background in civil engineering with a structural focus, and performed graduate research involving model-based structural health monitoring using dynamic data for parament estimation. He was a B.S. in Civil Engineering from the University of New Hampshire and anticipates receiving his M.S. in Civil Engineering from UNH later in 2017.

Geotechnical



Robert J. Grillo, P.E., P.G. is a Vice President and Senior Geotechnical Engineer for CMA Engineers with over 30 years of experience in civil, geotechnical, and environmental engineering. Mr. Grillo will serve as the Task Lead for site evaluation, permitting, environmental site assessments, and materials testing assignments for Ogunquit. Additionally, he will serve as a technical resource for the geotechnical discipline, including assessments of subsurface conditions as they relate to utilities and structures. Mr. Grillo has a bachelor's Degree in Civil Engineering from Worcester Polytechnic Institute and a master's Degree in Geotechnical Engineering from Northeastern University. Mr. Grillo is a licensed professional engineer in New Hampshire, Maine and Illinois.

Construction



John (Jack) C. Kareckas, CET is a senior construction and engineering technician with over 35 years' experience in the construction of environmental, earthwork, underground utility, building, bridge, and roadway projects. Under the direction of a licensed Professional, Mr. Kareckas will provide construction inspection services on projects, or senior oversight of inspection by other CMA Engineers' staff. Mr. Kareckas has provided senior resident services for major projects in Portsmouth, Dover, Durham, Exeter, Claremont, Franklin, and numerous other municipalities.



Jodie Bray Strickland, P.E. is project engineer with over 14 years' experience on a wide range design and construction projects. Jodie has provided project engineering and construction reviews for a wide range of projects in Hampton for over 10 years, including planning board reviews, and was the project engineer and resident engineer on the Lafayette Road, High Street, and Hampton Depot stormwater project. She provides resident engineering services for many municipal projects, including utilities, roadway, drainage, transportation, and environmental projects. Example projects include those in Portsmouth, Dover, Stratham, Kittery and Hampton. In addition, she completes detailed planning board reviews for several communities (including Hampton), including both design review during construction. Jodie received a BSCE from the University of New Hampshire and is a licensed professional engineer.

E

Familiarity with the Town and Region

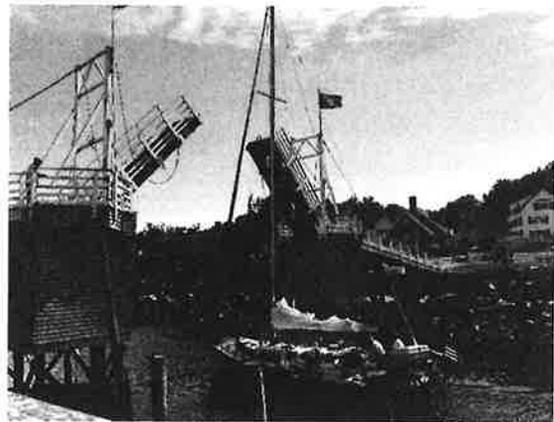
With this solicitation for engineers and designers, the Town has taken steps to improve their project delivery process. CMA Engineers is excited at the opportunity to help the Town take stock of their assets, prioritize needs, and facilitate infrastructure improvements. Providing the broad range of services requested, mostly likely on small project assignments, requires a service-oriented firm and the willingness to establish a partnership with the community. CMA Engineers' home office in Portsmouth, with our structural engineers located in our Portland, ME office, allows the CMA Engineers staff to be readily available to assist the Town of Ogunquit. Our employees live in coastal communities in Maine and New Hampshire.



We discuss below a few of Ogunquit's existing project needs and our firm's approach to meet the project needs.

Perkins Cove Pedestrian Bridge

CMA Engineers has the capability to assist the Town of Ogunquit in the assessment and remediation of storm damage to **seawalls**, and to address the needs of the iconic **pedestrian lift bridge in Perkins Cover**. We are currently overseeing construction of seawall reconstruction and repairs to a damaged pedestrian bridge on projects in Manchester, MA, and recently designed a replacement pedestrian bridge in Waterville Valley, NH.



Past efforts to address the long-term rehabilitation/replacement of the pedestrian lift bridge in Perkins Cove have included RFP's for full design services that have not generated a path forward to date. The Town needs to discuss the scope with a team of bridge engineers to focus initial available resources on identifying current structural and mechanical problems; define subsurface conditions in the cove; address Code requirements (including ADA) and historic constraints for a significant modification project; and identify concept level project costs. This evaluation needs to be the first order of business, at a modest and affordable cost level, to determine what needs to be done and what the ballpark cost is likely to be. Evaluating procurement alternatives, including design-bid-build and design build, is an

important next step. CMA Engineers has significant project experience, on projects of a wide variety of types, in representing public entities in managing design build projects.

The photograph at right shows an example of the pavement distress in **Agamenticus Road** in Ogunquit, one of the roadways that will likely require reconstruction. The significant cracking indicated is typically due to a combination of pavement age, limited drainage capability and road sub-base materials of inadequate quality. At this stage of pavement degradation, improved roadside drainage, removal and likely reuse of existing pavement, and installation of adequate sub-base materials (stone and gravels) is required to reconstruct an adequate roadway. These conditions are typical of numerous rural and urban roadways for which CMA Engineers has prepared plans and specifications for reconstruction.



The Marginal Way is a truly exceptional resource of major importance. The maintenance and periodic storm damage repair of the Marginal Way requires design input in a different fashion than most other types of civil engineering projects. The design of structural components is not challenging. The challenging aspect is to fortify the path in ways that are secure and yet blend into the unique landscape such that the



fortified protection looks as if it belongs and has always been there. Transitions from coastal protection to vegetated surfaces and the path are critical. There are mixed examples of past efforts along the Marginal Way in meeting all of those objectives.

Although contract specifications and documents are at times required for major repairs, what is more typically needed is focused professional input to the Marginal Way Committee in deciding repair and protection strategies, clear input on details, and communication with contractors and craftsmen completing repairs. This focused input needs to be from both a civil/construction engineering perspective, and from a landscape architect, whose input is very important not necessarily with respect to vegetation, but importantly with respect to appropriate materials and an eye to assist in final construction details to accomplish proper blending into this extraordinary landscape.



F

Approach to Engineering Projects

With every project, CMA Engineers provides cost effective designs that meet our client's project objectives. To achieve this goal, we comprehensively review project issues; develop targeted and creative designs; and most importantly, communicate frequently and timely with the client.

At the initiation of each project, we assign a Principal-In-Charge (PIC), Project Manager (PM), and a Senior/Independent Quality Assurance Reviewer (QA) to projects. The PM communicates with the Client at all times, who has direct access to the PIC to communicate on any matter throughout the project. Internally, the PIC guides the project team, assists the PM with staff assignments, and allocates company resources at the appropriate levels. The Senior/Independent Q/A Reviewer plays the important internal role of reviewing project engineering and major products at key milestones of design development.

The project team includes staff that best meets the requirements of the project. This approach allows CMA Engineers to manage multiple projects for a single client simultaneously. The PIC and PM designated to serve the Town of Ogunquit will be consistent throughout all projects.

With every project, CMA Engineers provides cost effective designs that meet our client's project objectives.

Client responsiveness and service are the cornerstones of CMA Engineers commitment. We work closely with municipal public works officials, administrative staff, and elected officials to coordinate technical work with other project elements, including funding, legal considerations, political issues, and the municipal public process. To support our experiences staff, CMA Engineers has established relationships with several specialists as sub-consultants to leverage our engineering capabilities.

The CMA Engineers' PM works with the client to establish clear expectations of the work to be completed, schedules, and required effort and these are reflected in agreements with the client.

- CMA Engineers will work with the Town of Ogunquit to **develop targeted, responsive, and effective scopes.** The scopes will address all aspects of the project, how they will be completed, engineering products, schedule, and communications between the Town and CMA Engineers. This scope will also be the basis for establishing a detailed work plan for the project manager and staff, delineation of effort, and project budget.

- With this detailed work plan, the project manager will direct the day-to-day activities of assigned staff. This direction will assure that progress is maintained, and project goals are met.

Goals include achieving technical responsiveness and creativity, and meeting the project schedule, within the project budget.

- The PM will track the progress to assure that the entire project is completed and meets client’s expectations including quality, schedule, and budget.
- On a monthly basis invoices are prepared which summarize the work completed and remaining work in established formats to provide our client with an understanding of project progress, budget, and schedule.
- CMA Engineers recognizes that conditions may arise during a project that can affect project requirements. We monitor closely for factors that can result in such conditions and work closely with the client to manage overall project progress and decision-making to keep the project focused and successful.
- With this detailed work plan, the PM directs the day-to-day activities of assigned staff. This direction assures that progress is maintained, and project goals are met. Goals include achieving technical responsiveness and creativity, and meeting the project schedule, within the project budget.
- A well-executed and effective **public/stakeholder outreach program** is essential to assure that the project is responsive to the Town’s needs and to achieve “buy-in” for the project, including the public and Town decision-makers. CMA Engineers has established a strong record of effective communication and responsiveness with communities. We will work with the Town establish appropriate times and forums during the project development for public and stakeholder outreach. In addition to public input and stakeholder meetings, we have successfully used project websites or social media websites to facilitate input from those that may not be comfortable speaking at meetings.

CMA Engineers offers a team to the Town with a proven ability to manage and successfully perform on projects. The work will be prosecuted in a manner that uses common themes to successfully realize project delivery goals:

- | | |
|--|---|
| ➤ Continuous teamwork with the Town | ➤ Incorporation of stakeholder input |
| ➤ Responsiveness and reliability | ➤ Proactive permitting and utility coordination |
| ➤ Excellence in design and deliverables | ➤ Maintenance of project schedule |
| ➤ Innovative approaches to problem solving | ➤ Adherence to the project schedule |
| ➤ Proper perspective and context | ➤ Quality oversight and project documentation |
| ➤ Timely and productive working meetings | ➤ Professionalism throughout the project |

CMA Engineers is ready to respond to the Town's needs and continue what has been a long-term, positive relationship between CMA Engineers and the Town of Ogunquit. We welcome the opportunity to review our approach with you in greater detail.

Cost Control Procedures and QA/QC

Cost Control

CMA Engineers has consistently met the needs of all our municipal clients on project assignments since the firm's inception in 1988. Since that time, we have successfully completed the engineering (planning, design, construction services) for hundreds of millions of dollars of constructed public works projects of all types, primarily municipal projects.

CMA Engineers has the technical resources available to deliver high-quality projects for the Town that meet implementation schedules. Our management approach includes a comprehensive assessment of all project requirements during the scoping phase of each assignment. The assessment identifies critical path project issues early; allows for appropriate project planning; assignment of staff best suited to serve the client's needs; and minimizes costly changes during the project's design or construction phases.

Anticipation and identification of unexpected project developments, communication of these, and implementation of corrective measures are keys to successfully managing projects.

Our project managers monitor changes in project scope that may be due to unforeseen conditions, regulatory changes, or changes in the political landscape. Anticipation and identification of unexpected project developments, communication of these, and implementation of corrective measures are keys to successfully managing projects.

Consistent monitoring of project schedules and costs are done through the use of CMA Engineers' project cost accounting system. Project progress, staff workload projections, and deliverables are discussed at bi-weekly project planning meetings to ensure success for each of our clients' projects. Monthly progress reports will be developed and submitted by CMA Engineers' project manager outlining progress of the work toward project milestones.

Using this information together with a detailed knowledge of project requirements, the Project Manager and Principal-in-Charge make project decisions to meet project milestones and budgets. We recognize that conditions may arise during a project that can affect project requirements. We monitor closely for factors that can result in such conditions, and work closely with the client to manage overall project progress and decision-making to keep the project focused and successful. Each phase of the work will be prosecuted to achieve project initiatives, including:

- | | |
|--|---|
| ✓ Continuous teamwork with the Client | ✓ Adherence to project schedule |
| ✓ Incorporation of stakeholder input | ✓ Excellence in design and contract documents |
| ✓ Agency coordination | |
| ✓ Maintenance of project budget objectives | ✓ Quality oversight / project documentation |

Quality Control & Constructability Reviews

Quality assurance and control is a key commitment of CMA Engineers that is implemented through:

- Active principal-level oversight is included with each project;
- A collaborative approach to every project is incorporated internally at CMA Engineers, promoting creative and innovative engineering as appropriate, while assuring sound and solid technical approaches;
- Independent review by a senior staff member (who is not involved in the day-to-day project development) at key milestones during the design process. This review adds an additional level of scrutiny and quality assurance to CMA Engineers' designs;
- Constructability review by our senior construction engineering technician; and
- Full design review is encouraged through workshop sessions with client's technical staff and regulatory agencies.

CMA Engineers maintains project review and quality control procedures throughout all phases of projects to assure that technical completeness is achieved and that project objectives are maintained. The Project Manager uses principal level reviews at key points in the project as independent assessments of project progress and adherence to company standards and client expectations. In addition, there is significant collaboration among all staff at CMA Engineers in a project's technical development.

Finally, as a project design nears completion, the design package is critically reviewed by a senior staff member whose career has focused on construction review and observation. That individual takes a "contractor's" perspective in assessment of the construction requirements in the design to assure project constructability and to provide input in design decisions before the designs are complete. We also note that federally-funded projects in DOT's LPA program require step-reviews by Department staff. These collaborative reviews valuable to the project development process and ensure our designs meet the Client's goals and objectives.

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References

Professional Service References

We are pleased to provide the following references for representative municipal engineering services. Each is familiar with CMA Engineers' current or past project performance, responsiveness, and working relationships.

Name	Representing	Project	Phone	Email
Transportation, Roadway, Streetscapes, and Landscape Architecture				
Peter Rice, PE Director Public Works	City of Portsmouth, NH	Sagamore Avenue and State Street Reconstruction*	(603) 427-1530	prrice@cityofportsmouth.com
Dave White City Engineer	City of Dover, NH	Tolend and Watson Road Reconstruction*	(603) 516-6450	d.white@ci.dover.nh.us
Rob Mack, PE City Traffic Engineer	City of Concord, NH	Exit 16 Roundabout	(603)225-8920	rmack@concordnh.gov
Structural Engineering				
Ben Foster, PE Bridge Maintenance	MaineDOT	Bridge Inspection and Rating, multiple sites	(207) 624-3000	Ben.Foster@Maine.gov
Paul Vlasich, PE Town Engineer	Town of Exeter, NH	Linden and Court Street Bridges*	(603) 773-6160	pvlasich@exeter.nh.gov
Jose Valdez Engineering Maintenance Manager	G-P Gypsum, LLC	Building Structural and associated Civil Site and Utilities	(603) 944-1002	JAVALDEZ@GAPAC.com
Civil Site Engineering and General Municipal Services				
Joel Moulton DPW Director	Town of Eliot, ME	Roadway/Pavement Management	(207) 251-7020	jmoulton@eliotme.org
Kendra Amaral Town Manager	Town of Kittery, ME	Planning Board Review, General Civil	(207) 475-1329	kamaral@kittery.me.org
Greg Placy Selectboard	Town of Colebrook, NH	Utilities Projects	(603) 237-4070	gplacy@colebrooknh.org
Mark Decoteau Town Manager	Town of Waterville Valley, NH	Utilities, Structural, General*	(603) 236-4730	wvmanager@watervillevalley.org
Chris Jacobs, PE Director of Public Works	Town of Hampton, NH	Planning Board reviews, utilities, construction review	(603) 926-3202	cjacobs@town.hampton.nh.us

*Includes Construction Inspection Services



CMA Engineers, Inc.

Average Hourly Rates

CLASSIFICATION	AVERAGE HOURLY RATE
Principal-in-Charge (PIC)	\$185.00
Project Manager (PM)	\$151.00
Project Engineer (PE)	\$116.02
Staff Engineer (E)	\$92.78
CAD Support (CAD)	\$98.78
Administrative Assistant	\$74.73

ENGINEERING FEES

CMA Engineers will assess fees on the basis of actual time spent by assigned personnel at our hourly rates plus reimbursable expenses. Hourly rates for CMA Engineers staff are established as payroll cost (wage rate times 1.35 for statutory and customary fringe benefits) times a multiplier of 2.45. Costs for subconsultants are assessed at cost times 1.15. Principal time (including Mr. Straub) is invoiced at the lesser rates of \$185, which is below the formula rate. (The fixed rate for Principal time is subject to annual inflationary adjustments.) Other direct reimbursable expenses will be invoiced at cost plus 10%, including mileage at current IRS rate.

Town of Ogunquit
On-Call Civil Engineering Services
Statement of Qualifications





624802X
August 24, 2018

Patricia Finnigan, Town Manager
Ogunquit Town Hall
23 School Street
Ogunquit, Maine 03907

Subject: Transmittal Letter, On-Call Civil Engineering Services

Dear Ms. Finnigan and Members of the Selection Committee,

DuBois & King (D&K) is pleased to submit five (5) hard copies and one (1) PDF of our qualifications to support the Town of Ogunquit with civil engineering services. For over 50 years, DuBois & King has provided multidisciplined planning, design and construction phase services to municipal, state and federal clients throughout the Northeast. Our firm employs 120 professional engineers, planners, designers, surveyors, technicians, landscape architects, permitting specialists and support personnel. Enclosed is a demonstration of our capabilities and recent experience within the requested service areas.

I will serve as D&K's Program Manager. I have 27 years of transportation design and municipal transportation infrastructure design experience. Projects I have managed range in scope from transportation improvement projects to the \$110M Manchester (NH) Airport Access Road. I am supported by discipline leaders and professional engineers Lucy Gibson, Scott Bourcier, Chris Lathrop and Robert Durfee. Each of these managers is supported by an extensive support team of engineers, planners, and scientists:

- **Lucy Gibson, PE**, will lead planning assignments. She has 30 years of experience in transportation planning and design for municipalities, regional commissions, and state agencies. Her experience includes multimodal transportation planning, design, and engineering for walkable streets, downtown transportation circulation, and multimodal traffic impact studies for infill "smart growth" development for projects in Maine.
- **Scott Bourcier, PE**, will lead civil/site projects. He has 20 years of experience on a wide variety of projects and works closely with communities on development reviews, pavement management and construction management.
- **Chris Lathrop, PE**, will lead our transportation projects. He has 20 years of experience working on sidewalks, roadways, signing, and pavement management.
- **Robert Durfee, PE**, is our structural lead and will be responsible for large culvert, bridge, and parking structure inspection and rehabilitation. Bob has 39 years of experience in all types of bridges and served as Project Manager for the previous reconstruction of the Perkins Cove drawbridge.

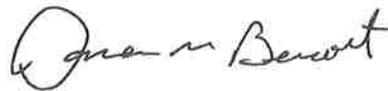
To supplement our team, we added subconsultants HDR, for movable bridge engineering services and Normandeau Associates for environmental permitting and documentation. Qualifications of key team members are presented in detail in our Qualifications.

D&K has considerable experience providing services to municipalities. D&K is currently supporting the New Hampshire communities of Barrington, Bow, Chester, Hampstead, Milton, Raymond, South Hampton, Webster and Somersworth for on-call municipal engineering. Many of the services we provide reflect D&K's ability to operate as an extension of the community's staff, allowing towns to perform the work they do best while supplementing their expertise, experience and depth with our knowledgeable professionals. These contracts include tasks such as traffic studies, development reviews, capital improvement plans, pavement management programs and the evaluation and repair of bridges and parking structures.

D&K has dedicated planning, design, and construction professionals who have provided services on hundreds of projects for municipalities. Our design experience spans a wide range of transportation and infrastructure improvement projects including: roadway/highway reconstruction, paving and pavement management, bridges, culverts, dams, water/wastewater, sidewalks/pathways, utilities reconstruction and replacement, stormwater, river and bank stabilization, vertical construction, and site improvements as well as support for economic development projects.

The D&K team has a strong interest in supporting the Town with the six service areas requested in the RFQ. We welcome an opportunity to meet with you and discuss our qualifications and our approach to supporting the Town. I can be contacted at 603.637.1043 or via email at dbenoit@dubois-king.com.

Sincerely,
DuBois & King, Inc.



Darren Benoit, PE
Program Manager

Introduction

The Town of Ogunquit (Town) is requesting statements of qualifications and rate information from local interested consultants experienced in serving as an immediate, on-call resource for rapid-response, short-term, and long-term municipal projects. Located proximate to Portland and within 90 minutes of both Portland and Boston on US 1 and I-95, Ogunquit is a town of less than 1,000 permanent residents and is a destination for thousands every day of the year. D&K understands that the Town is served by robust, as well as unique and historic, infrastructure serving residents, visitors, and local business people. The DuBois & King (D&K) team's role will be to serve as a readily available resource to work with the town to provide formal and informal advice, lead planning, design and permitting, and provide construction administration and observation for projects that maintain, protect, and upgrade infrastructure.

The D&K team has reviewed the Town's request for qualifications (RFQ) and presents a team of interested and qualified individuals who are available to respond to the five civil engineering service areas listed in the RFQ. Our response is formatted according to the Town's submission requirements and includes a specific approach to addressing the Town's desired areas of service. Management and engineering will primarily be provided from the firm's Bedford, New Hampshire location.





Qualifications of Firm in Selected Areas of Service

DuBois & King strives to become an extension of our clients' staff. Small tasks may involve working with Town staff to accomplish a common project. Other projects will be individually designed and managed by D&K staff who maintain effective communication with the City to assure consensus on project decisions.

Established in 1962, DuBois & King (D&K) is a growing consulting engineering firm with over 120 in-house professional engineers, planners, designers, surveyors, technicians, environmental and permitting specialists, and support personnel. The firm has offices in Caribou, Maine; Bedford, Laconia, and Keene, New Hampshire; Randolph, South Burlington, Stowe, Brandon, and Springfield, Vermont; and East Aurora, New York.

DuBois & King professionals provide services in transportation, civil/site, survey, water resources, water/wastewater, hazardous materials, mechanical, electrical, structural engineering, environmental documentation and permitting, and construction phase services. Over the course of more than five decades, D&K has provided planning, engineering and construction phase services to municipalities throughout northern New England.

D&K is able to provide the following services to the Town of Ogunquit:

Civil Site Engineering

- Site Evaluation/Planning/Design
- Utilities
- Cost Estimates
- Bid Ready Plans and Specifications
- Construction Phase Services

Survey

- Street and Utility
- Site/Property

- CADD Base Map
- Deed Research
- GIS Services

Landscape Architecture

- Hardscape and Streetscape Planning and Design
- Master Planning
- Natural Resource Management
- Wayfinding
- Public Facilitation and Outreach

CADD

- Base Maps
- Street and Utility Plans
- ROW Plans
- Bid Ready Plans
- Public Facilitation and Outreach

Transportation Engineering and Planning

- Roadway Evaluation, Reconstruction, Rehabilitation
- Scoping and Planning
- Geometric Design
- Right of Way Acquisition
- Complete Streets

Structural Engineering

- Bridge and Culvert Evaluation and Design
- Building Evaluation and Design
- Retaining Walls
- Parking Structures
- Bid and Construction Phase Services

Site Evaluation, Permitting, and Wetlands

- Environmental Permitting
- Environmental Site Assessment - Phase I and II
- Habitat Identification and Mapping
- Biomonitoring
- Wetland Delineation and Mitigation

SUBCONSULTANT RESOURCES

HDR Engineering is a subconsultant member of the D&K team and will advance the evaluation and design for the Perkins Cove Drawbridge. HDR is a 10,000-person firm that has completed projects in 60 countries, and maintains a focused moveable bridge practice for many scales of unique transportation structures. In 2018, HDR was ranked by Engineering News-Record (ENR) 6th among the Top 500 Design Firms, 3rd among the top 25 firms in Bridges, and 6th among the top 10 firms in Marine and Port Facilities.

Regionally, HDR has four offices and over 100 professionals in the New England area, with business service areas including transportation, environmental engineering and science, water and wastewater, power and energy, economics, design-build and construction management.

Normandeau Associates is one of the largest natural resources environmental consulting firms in New England, with a staff of over 200. Serving clients for nearly 50 years, the firm is located in Portland and supported by four New Hampshire offices, including Portsmouth and Bedford. The firm's scientists and project managers are well-respected by the regulatory and resource experts at the Maine Department of Environmental Protection, Maine Department of Inland Fisheries and Wildlife, and the US Army Corps of Engineers and US Fish and Wildlife Service.

Normandeau has extensive experience in natural resource evaluation and federal and state permit application preparation. Normandeau has a large and experienced wetland scientist staff with multiple NH Certified Wetland Scientists, including several who are also certified as Professional Wetland Scientists by the Society of Wetland Scientists. The firm's capacity includes more than 35 aquatic and fisheries biologists, and extensive staff expertise in the area of wildlife biology, and rare, threatened and endangered species.

Normandeau conducts a full range of services associated with coastal projects, including environmental permitting and planning studies, such as wetland and wildlife studies, water quality assessments and modeling, and water resource management plans. Normandeau has scientists and permitting specialists with expertise in such diversified areas as marine aquatic plant inventories, fishery habitat assessments, and estuarine and marine benthic biota and sediment studies, including vibracoring.

Staff is supported by full service, state-of-the-art laboratories for biological services and a data processing center. A stringent Quality Assurance Program ensures high QA/QC standards. A professional equipment inventory includes a fleet of boats and all sampling gear required to conduct complex water quality and biota sampling in rivers, lakes and open tidal areas. Normandeau's expertise in environmental issues has been recognized by the City of Saco, Maine DEP, and Maine DOT by virtue of repeat business, Master Service Agreements, and short-listing for wildlife and wetland services.

Project Team - Structure and Qualifications

Our proposed team covers a full range of disciplines as outlined in the Town of Ogunquit's Request for Qualifications/Proposals. Leading our team will be Program Manager Darren Benoit, a professional engineer with 27 years of experience leading large multidisciplinary contracts. Further details on individual staff follow. Resumes for key staff are included behind the "Professional Resumes" tab.

Darren Benoit, PE, LPA, Program Manager, is a civil engineer with 27 years of experience who has provided management for complex, roadway, bridge, and multimodal transportation projects. Darren's responsibilities include supervising design teams, subconsultant coordination, public participation and serving as the client liaison. He is knowledgeable of design standards and project development throughout New England, including permitting requirements. His experience has been applied to the creation of horizontal and vertical alignments, typical sections, open and closed drainage systems, urban roadway design, traffic engineering, erosion and sediment control plans, permitting, utility relocation, and bicycle paths.

Jeff Tucker, PE Principal-in-Charge, has 33 years of civil engineering experience. Jeff's responsibilities include contract management of federal and state IDIQs, budget and schedule management, QA/QC, client/owner coordination, oversight and direction of technical operations, problem resolution, and public meetings. He has managed diverse A/E teams for federal IDIQs and has a proven track record with deliverables, and workload balance. Jeff has extensive experience with all aspects of planning, design, and construction management and inspections for projects, including buildings and facilities, civil and environmental, aquatic habitat restoration, dam removal, river restoration, fluvial geomorphology, natural channel design, hydrology and hydraulics, energy efficiency, brownfield redevelopment, structural and geotechnical engineering, cost estimating, watershed and flood control planning, environmental and ecosystem analyses, and slope bioengineering. Jeff has worked with municipalities around New England; he is currently serving the City of Montpelier (Vermont) as Municipal Project Manager for an extensive downtown development project.

Lucy Gibson, PE, Project Manager, has 30 years of transportation planning and traffic engineering experience. Lucy is a transportation planner and traffic engineer with experience serving municipalities, regional commissions, and private entities. Her specific experience includes multimodal transportation planning, design, public engagement, and engineering for walkable streets, and downtown transportation circulation in Maine and beyond. Her most recent experience includes multimodal design for a 6-way roundabout for the University of Southern Maine Campus as well as several projects for the City of Portland. She also led traffic circulation design and engineering for the Town of Rockland's Downtown Revitalization plan, which was recognized as the NNECAPA Plan of the Year.

Scott Bourcier, PE, Project Manager, has 20 years of civil engineering experience including design and permitting for commercial, municipal, state, and federal clients for a range of site development and civil structural assignments including bridges, dams, recreational areas, and facilities. His knowledge encompasses stormwater, drainage, and utilities. Scott served as civil engineer for roadway and intersection projects within the US 1 corridor for MaineDOT as well as municipal stormwater and civil projects in York, Richmond, Poland, Auburn, Lewiston, and a wide range of other communities.

Chris Lathrop, PE, Project Manager, brings 20 years of transportation engineering experience throughout New England. His expertise ranges from the reconstruction of highways, local roadways, and intersection improvement projects, to pathways and sidewalks. He has led or managed design of signing, striping, interstate highway, bridge, streetscape, bike lane, sidewalk and slope projects. Chris has been in responsible charge of design for over 260 miles of pavement projects in the past 12 years at D&K.

Bob Durfee, PE, SECB, Project Manager, brings 39 years of bridge, highway, parking structure, dam, structural concrete, and retaining wall design experience. Bob has managed or designed numerous highway, railway, roadway, dam, and bridge projects for state and municipal agencies, including over 100 bridges. He served as Project Manager for the 1991 replacement of Ogunquit's Perkins Cove Bridge and is thoroughly experienced in the design of timber pedestrian, covered, and suspension bridges. Bob is a noted author of several bridge and structural publications and presentations.

Nick Sceggell, PE, Senior Civil Engineer, brings 14 years of civil/site engineering and utilities experience including drinking water, wastewater/sewer, and stormwater infrastructure. He serves as Project Manager for a 4,000+ LF roadway reconstruction project in downtown Dover, NH and regularly provides local, state, and federal permitting for municipal utilities projects. Nick also has expertise with ArcGIS mapping software and GPS data collection; AutoCAD Civil 3D to create alignments, profiles, vertical and horizontal curve design, and related site design techniques; WaterCAD to model water systems in order to evaluate capacity and development impacts; and HydroCAD for stormwater management calculations.

Shane McDougall, PE, LPA, Senior Civil Engineer, brings 16 years of experience including project management, design, and administration for an array of projects where his services have included site design, environmental permitting, stormwater analysis and design, construction management, and field inspection of various civil and transportation projects. He is currently Project Manager for a roadway reconstruction and embankment protection project in Caribou as well as lead engineer for an ongoing evaluation of pavements at Maine's airports for MaineDOT. His background includes aviation engineering, roadway design, manufacturing process engineering and process control.

Brian Breslend, PE, Transportation Engineer, brings 10 years of experience including the preparation of alternatives analyses, preliminary and final designs, cost estimation, plan development, field survey, and utility coordination for a variety of pathway, sidewalk, and roadway projects. Brian has worked closely with the D&K team under on-call roadway contracts for MaineDOT and has experience serving as project manager for small-scale transportation evaluation and design projects.

John Benson, PE, Environmental Engineer, has 43 years of Site Evaluation and Permitting experience. John has a thorough understanding of feasibility studies, economic analyses, hydraulic capacity studies, site and soil investigations, evaluation of wastewater treatment methods, process design, pump stations, and design and construction inspection/administration. His responsibilities include preparation of permits and compliance with MDEP, Army Corps of Engineers and USEPA

Sophie Sauvé, PLA, ASLA, LEED AP, Landscape Architect, brings 11 years of experience designing planting plans and providing traditional landscape architecture tasks. She regularly leads and supports public engagement programming that includes developing mapping and other exhibits in ArcGIS and Adobe Creative Suite. Sophie has supported municipality-wide transportation and streetscape planning efforts, statewide stormwater best management practice guidance documents for municipalities, and planting plans and other urban design tasks for municipal and private site improvement projects.

PERKINS COVE BRIDGE ENGINEERING STAFF

The D&K team includes subconsultant partner HDR for the evaluation and design of moveable bridges. Following are key staff members who will be responsible for the Perkins Cove Bridge. Resumes for these staff members are included.

Jason Gallant, PE, Principal in Charge, is HDR's New England Structures Section Manager. He has over 22 years' experience in consulting engineering including: quality management; project management; staff management and mentoring; business development; and business expansion strategies. His engineering expertise includes design, analysis, and construction of new and rehabilitated bridges and other highway, railroad, and building structures under design-build and design-bid-build project delivery methods.

Nicholas Caron, PE, Bridge Engineer, is a structural engineer in HDR's Manchester, New Hampshire office. His 10 years of industry experience includes reinforced concrete design, prestressed concrete design, steel design, seismic design, inspections, load ratings, plan development, contract documents, and construction administration for a multiple structure types. This includes vehicular bridges, pedestrian bridges, seawalls, and marine piers.

David Knickerbocker, PhD, PE, Lead Structural Designer/Analyst and Project Manager brings 18 years of industry experience in design, analysis, inspection, and load rating for a variety of structure types. This includes movable (swing, bascule, and lift) bridges and fixed-type bridges including arch, truss, as well as more common multi-girder bridges.

Jacek Krysiwicz, PE, Senior Structural Engineer, has 24 years of industry experience in engineering analysis and design. He has performed complex superstructure analysis, design, and detailing of various types of bridges including fixed, movable, through truss, and arch, as well as more common girder type bridges and has performed analysis, design, and detailing of waterfront structures such as timber fenders and bulkheads.

Peter Davis, PE, Senior Mechanical Engineer, has over 44 years of experience in the inspection, assessment, design and maintenance of complex infrastructure systems. The first 20 years of his career was in emergency service contracting for heavy industry including steel and paper mills, railroads, movable bridges, hydraulic structures and maintenance facilities. He currently manages complex infrastructure inspection and design projects for public agencies, Freight railroads and Industrial facilities He performs consultant services such as capital program development, life cycle cost evaluations and maintenance program development.

Khaled Hajjeh, PE, Electrical Engineer, has 13 years of experience in the design, testing, troubleshooting, and inspection of electrical, control and instrumentation systems for movable bridges and other heavy movable structures. During his industry tenure Khaled has developed extensive experience in protection, controls, layout design, field testing, construction support services and construction inspection of movable bridges and other heavy movable structures. Troubleshooting services experience entails responding to several emergency failures on Movable bridges and performing onsite investigations and repairs to restore bridge functionality either permanently or on a temporary basis until a permanent repair is implemented.

MARGINAL WAY COASTAL PROTECTION PROGRAM ENVIRONMENTAL STAFF

The D&K team includes subconsultant partner Normandeau for services supporting the Marginal Way coastal area. Following are key staff members who will be responsible for the these services. Resumes for these staff members are included.

Adele Fiorillo, PWS, NHCWS, Principal Wetland Scientist, has 30 years of experience. She is responsible for a variety of professional services including: project team development and management; wetlands delineation; mitigation plan development/ implementation; environmental impact evaluations; wetlands analysis and permit applications for federal, state and local entities. Her project experience includes energy, transportation and real estate development projects as well as projects for communities and non-profit groups. She has prepared Environmental Assessments and Categorical Exclusion documents to comply with the National Environmental Policy Act (NEPA). Adele oversees the Terrestrial Wetlands Group in Normandeau's Maine, New Hampshire and Vermont offices, collaborates with multidisciplined project teams, establishes and oversees project staff and budgets, defines scoping guidelines and stays updated on changes in environmental regulations. She teaches graduate courses in Wetlands Ecology and Marine and Coastal Processes. Technical expertise includes freshwater and coastal wetland ecosystems.

Kimberly Payne, Marine Biologist/Senior Taxonomist, has over 35 years experience with marine and freshwater habitat studies including water and sediment sampling; invertebrate, finfish, and macroalgae collections and identifications; eelgrass, shellfish, freshwater mussel, coastal wetland and shoreline characterization surveys; and wetland delineations. Kim also is a senior benthic taxonomist specializing in Mollusks and Marine Macroalgae and is a GPS technician with experience in 3D Stereo Analysis, AutoCAD, and ArcGIS. Kim has managed numerous field projects involving multidisciplinary sampling skills and has several years of experience coordinating, writing, and editing technical reports, permit application preparation and interacting with project stakeholders.

Benjamin Griffith, Scientist/Wildlife Biologist, has 10 years of professional experience conducting various natural resource studies. He has a diverse set of wetlands and wildlife skills including wetland delineations, vertebrate and invertebrate fauna surveys, and habitat assessments. Ben has particular expertise in avian surveys coupled with extensive knowledge of species identification and life histories of North American birds. In addition to his field skills, he has experience producing technical reports, permit applications, and GIS-based graphics.

Cassandra O'Brian, Wildlife Biologist has 5 years of experience in natural resources. Her background encompasses a variety of environmentally conscious positions, over four years of military service, and seven years of experience as a senior veterinary technician. Her relevant expertise includes identification of local wildlife species and habitats, and she is competent in field, lab, or emergency settings. She is also GIS/GPS operations-capable and is competent at technical report writing and editing. She assists the Wetlands and Terrestrial Department with biological surveys, environmental compliance monitoring, and GPS technician needs for wetland delineations. In addition, Cassie provides support to the Health & Safety Director/QA Manager of Normandeau and acts as the Safety Committee Representative for the Portsmouth office.

SUPPORT STAFF

Staff Member Name	Role	Experience	Expertise/Focus/Discipline(s)
Timothy Dall, PE, SECB	Structural Engineer	20 years	Structural Engineering
James Baker, PE	Structural Engineer	26 years	Structural Engineering
Chris Sargent, AICP, CFM	Land Use Planner	16 years	Transportation Engineering
Sophie Sauvé, PLA, ASLA, LEED AP	Landscape Architect	11 years	Landscape Architecture
Charlotte Brodie, CWS	Wetlands Scientist	30 years	Site Evaluation, Wetlands
Andy Hoak, PE, PG, CPESC	Hydrogeologist	24 years	Geotechnical Services, Site Evaluation, Hazardous Materials
Chuck Goodling, PE	Construction Administration	30 years	Construction Phase Services
Aaron Sherman	Construction Observation	26 years	Construction Phase Services
Greg Cantave	Civil Designer	15 years	CADD
Cameron Bellisle, EIT	Civil Designer	2 years	CADD, Construction Phase Services
Kevin Lee	Civil Designer	8 years	CADD, Utilities
Eric Monkewicz	Civil Designer	5 years	CADD
Randy Otis, LS	Land Surveyor	15 years	Survey
David Mann, LS	Land Surveyor	40 years	Survey

Following is an organizational chart to provide an overview of the D&K on-call civil engineering team.

ORGANIZATIONAL CHART

Following are key staff available for project services. Key personnel are registered in Maine.

* Denotes resume of staff included behind "Professional Resumes" tab. Details of credentials are included on resumes.



Familiarity with the Town and Region

Ogunquit is one of several towns on the southern coast of Maine known for a balance of scenic beauty, restaurants, arts, and recreational opportunities. Situated between York and Wells, Ogunquit is a top tourist destination. In addition to the scenic beaches, the town is also home to a thriving art and cultural community, including the Ogunquit Museum of American Art, waterside sculptures, and the Ogunquit Playhouse. The Marginal Way walking path is a resource envied by many communities.

Similar to its surrounding communities, such resources draw substantial tourist traffic during the summer months. Challenges include high traffic volumes, parking shortages, balancing commercial and residential goals, and creating a community that welcomes citizens of all age groups.

Many New England communities adopted “complete streets” methodologies that include pedestrians, bicycles, buses, and automobiles within their public corridors to encourage more efficient and safe use of roads and reduce congestion. As the New England population continues to age, communities have to be increasingly sensitive to ADA requirements, while also creating the public spaces that will recruit and retain a balanced population demographic.

Coastal communities have the additional challenge of sustainability. Over the last decade, a higher incidence of extreme storm events has required communities to be proactive in considering how to adapt their infrastructure proactively and plan for incident management during those severe events. D&K is available to provide on-site emergency response to storm events, and to partner closely with Town staff and stakeholders to plan and develop long-range infrastructure protection and resiliency measures.



Approach to Managing Municipal Engineering Projects and Responding to Ogunquit's Stated Needs

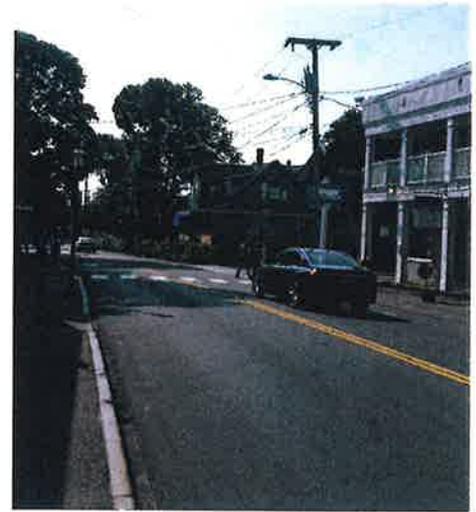
1. ROADWAY AND SIDEWALK RECONSTRUCTION DESIGN AND CONSTRUCTION ADMINISTRATION.

D&K will guide the Town through the Maine LPA process for projects receiving state and/or federal funding; D&K will work with the Town on an accelerated schedule for locally-funded projects, as required. The LPA framework allows for the appropriate coordination with the appropriate parties. It also frames the discussion so that project partners understand what will be part of the scopes of work. LPA projects typically use a combination of state and federal funding and are often larger-scale projects funded through federal grants. When bid, LPA projects may also include non-participating items as part of the bid such as ornamental lighting, irrigation and plantings, and other surface amenities that may not qualify for grant funding, but may come at a lower construction cost when bid concurrently with participating items.

Projects exclusively using municipal funds solely burden the local tax base, but may enable the Town to complete focused and critical infrastructure improvements without delays encountered from additional regulatory oversight. Examples of locally-funded projects include "localized" pavement repair projects, small pedestrian amenities projects, and smaller scale utilities projects that do not qualify for federal or state grant funding.

Through successful completion of hundreds of local-, state-, and federally-funded roadway and sidewalk reconstruction, as well as highly visible streetscape improvements projects, D&K is fluent in the public engagement process. In addition to serving as consultants, numerous D&K staff serve as municipal officials, part-time employees, or volunteers in smaller towns. In addition to understanding municipal policy and funding dynamics, the firm is comprised of individuals that frequently take advantage of high-tech and low-tech techniques to involve stakeholders. The team will work with Town of Ogunquit staff to determine the appropriate toolkit for each project, which may be as simple as a single formal presentation or may take the form of a multifaceted approach that engages a wider variety or volume of stakeholders through the use of interactive workshops, project websites, on-site walkabout and bicycle tours, demonstration projects, social media programming, online and hard copy polling, project mailings, charrettes, presence at local events or a combination thereof.

DuBois & King is very active at the municipal level. Darren Benoit and Scott Bourcier have worked extensively for New Hampshire municipalities and have begun expanding these services into Maine now that an in-state office has been established. Working for communities such as Brookline and Hillsborough, NH, where we have been selected for multiple sidewalk projects, we have distinguished ourselves for our responsiveness and proactive communication. Ogunquit is within an hour of our office, which will allow us to maintain that level of success.



Pavement Management. The D&K team has been responsible for design of over 260 miles of highway in the past 10 years as well as town-wide pavement evaluation programs and was recently selected by MaineDOT to develop and implements a statewide pavement maintenance evaluation program for Maine airports.

2. TOWN-WIDE ROADWAY MAINTENANCE/RECONSTRUCTION PLAN (ELECTRONIC PCI DATA PROVIDED BY OTHERS)

D&K will assist the Town with developing a paving program, provide cost estimates, assist the Town in bidding the program, and providing pavement/construction administration.

D&K will assist the Town by developing a paving program, providing cost estimates, assisting in bidding, and providing pavement/construction administration. As the PCI data is collected by others, D&K's approach to these projects will be initially to meet with Town staff to identify what treatments staff are comfortable with and what investment level is anticipated. Treatments based upon conditions can vary from full reconstruction, rehabilitation, overlay/mill and overlay, or maintenance treatments. Some communities elect to utilize a tiered approach, prioritizing certain roads by function or traffic volumes prior to evaluating pavement condition.

Darren Benoit and Scott Bourcier have been instrumental in the development of pavement programs for the municipalities we service. Somersworth, NH, is a good example where D&K reviews their PCI data, provides initial recommendations, and works with the Town committees to finalize a paving program suited to the Town. Scott Bourcier also led the development of a Town-wide roadway assessment program for the Town of Barrington. This project included a final report and spreadsheet, but in practice, the plan is a living document that Scott and other D&K team members work from with the Town to update and plan necessary improvement projects. Throughout the bidding process and the construction season, we are available to resolve any issues and allow the Town to take on as much or as little a role as their staff availability and expertise will allow.

3. GENERAL CIVIL ENGINEERING PROJECTS - DRAINAGE, CULVERTS, PARKING LOT IMPROVEMENTS

The approach to these projects depends on the complexity and interconnection to roads/private infrastructure within the Town. General civil engineering projects are developed in two stages. The first stage will include input from the Town followed by securing ROW or necessary permits. The second stage involves preparing a final package, which could potentially include construction by Town forces and/or by a contractor, requiring advertisement for construction bidding. D&K is also prepared to provide construction administration and observation on each assignment, as requested by the Town.

The assigned team brings decades of experience improving roads, drainage, culvert, and parking lots. Darren Benoit has managed, designed, permitted, and provided construction phase services for large-scale roadway projects, including drainage and culvert design. Scott Bourcier and Michael Hildenbrand have years of experience working for municipalities and private developers designing drainage, culverts, closed drainage, stormwater best management practices, and parking lots.

4. MARGINAL WAY COASTAL PROTECTION AND LANDSCAPE ARCHITECTURAL DESIGN

Our team includes Normandeau Associates, who will support the Marginal Way Coastal Protection program. Landscape Architect Sophie Sauv , PLA, will support the Town’s projects with streetscape and landscaping improvement design, visual analysis and screening. She will serve as a resource for wayfinding and signage.

Implementation of Marginal Way Coastal Protection and Landscape Architecture improvements projects will be developed in two stages. The first stage will include input from the Town followed by securing ROW or necessary permits. The second stage involves preparing a final package, which could potentially include construction by Town forces and/or by a contractor, requiring advertisement for construction bidding. D&K is also prepared to provide construction administration and observation on each assignment, as requested by the Town.

For long-term management, our approach will take the form of maintaining a living document associated with an established plan for stormwater pollution prevention protection where risks are identified, monitored, managed, and, if needed, mitigated. These practices will be adapted to adhere to appropriate resource agency requirements and may assist in developing plans for capital improvements.



Facilities Engineering. D&K’s civil, structural, mechanical, and electrical engineering staff have been contracted by municipal Maine airports, the States of New Hampshire and Vermont, colleges, hospitals, and numerous New England municipalities to perform facility-wide evaluation projects and to design improvements for both general and highly specialized facilities improvement and repair projects.

5. RECREATIONAL FACILITIES (TENNIS COURTS, BALL FIELDS, ETC.)

Scott Bourcier has years of experience providing similar services to municipalities. D&K’s approach to these projects depends on the complexity and interconnection to public or private roads and infrastructure within the Town.

Similar to Service Area 1., Recreational Facilities are highly visible projects and may warrant public engagement programming if the scope advances beyond basic preventative maintenance practices. D&K will work closely with the Town to develop a program to better understand public and stakeholder interest in these projects to keep projects on schedule and within the scope preferred by the Town.

D&K will assist the Town by developing projects in two stages. The first stage will include input from the Town followed by securing ROW or necessary permits. The second stage involves preparing a final package, which could potentially include construction by Town forces and/or by a contractor, requiring advertisement for construction bidding. D&K is also prepared to provide construction administration and observation on each assignment, as requested by the Town.

6. STRUCTURAL ENGINEERING - BRIDGES, TOWN BUILDINGS, SEAWALLS.

DuBois & King provides building and bridge services to many communities, including parking structure inspection. D&K will work closely with subconsultant team member HDR who will provide specialty services for movable structures.

Bridge and seawall projects will be managed with an approach similar to the one required by the MaineDOT LPA manual. Depending on the project funding and the goals of the Town, certain steps can be skipped, but the framework of this approach allows for the appropriate coordination with appropriate parties. The LPA process allows project partners to maintain an understanding of what will be part of the scopes of work. Work on Town buildings will begin with an inspection, assessment and report provided to the Town and will advance as requested by the Town.

D&K will assist the Town by developing projects in two stages. The first stage will include input from the Town followed by securing ROW or necessary permits. The second stage involves preparing a final package, which could potentially include construction by Town forces and/or by a contractor, requiring advertisement for construction bidding. D&K is also prepared to provide construction administration and observation on each assignment, as requested by the Town.



Bridge Engineering. The Perkins Cove Bridge is a defining landmark within Ogunquit, and the Town includes numerous other bridges and culverts that serve those on foot and in vehicles. Multiple D&K staff assigned in this document to serve Ogunquit have individually provided bridge engineering services for over 100 bridges under a wide range of funding mechanisms throughout the Northeast.

PROJECT MANAGEMENT APPROACH

Management and Design Team: Depending on the assignment, Darren may elect to manage individual assignments or assign a capable project manager who will be the point of contact with appropriate Town staff for that assignment. Within our organizational chart, we have identified team leaders with significant project management experience. Each of our managers has significant technical expertise combined with the experience to keep their assignments on track. Darren will work with the task managers to assign a design team with the experience and expertise required to efficiently complete their respective assignments.

The D&K team will strive to become an extension of Ogunquit's municipal staff. Smaller individual tasks may be accomplished by team members working with City staff to accomplish a project. Other projects will be individually designed and managed by D&K staff who will maintain effective communication with the City to build and maintain consensus on project decisions.

Issue Identification and Resolution: Our managers work to identify, discuss, and resolve key design issues as early in the process as possible. These issues may include right of way, historical and environmental investigations, drainage, impacts to individual properties, utilities, existing vegetation, drive crossings/treatments, ADA compliance, crosswalks, signage, pavement markings, and safety. Early identification is critical for timely resolution.

Recent Relevant Experience: D&K has worked in many historic New England towns and cities that are facing many of the challenges of maintenance, redevelopment and renewal, including historic structures, aging parking garages, utility and street upgrades and evolution of pedestrian, bicycle and transit networks. Depending on the need, we can offer many scopes to expedite projects and get our team on board rapidly to work toward resolutions.

Additional Services Provided: Many of our clients also take advantage of expertise not specifically identified in the list of services requested, such as dams, building services, aviation, railroad, transit, and economic development. DuBois & King holds a number municipal on-call contracts and our professionals are often called upon to provide advice and expertise to supplement the knowledge and abilities of municipal staff. Our project team will seek to support Ogunquit staff with supplemental skills and expertise to help the Town meet its regional goals.

References

Following are reference contacts for whom DuBois & King is providing municipal or services relevant to Ogunquit's six requested service areas.

David Stack, Town Manager
10 Grandview Road, Bow, NH 03304
603.228.1187 ext. 110
townmgr@bow-nh.gov

Jim Marshall, PE, Highway Administrator, NHDOT
PO Box 483, 7 Hazen Drive
Concord, NH 03302-0483
603.271.7421
jamarshall@dot.nh.us

Tad Putney, Brookline Town Administrator
PO Box 360, Brookline, NH 03033
603.673.8855 x213
selectboard@brookline.nh.us

Dennis Marker, AICP, Caribou City Manager
25 High Street
Caribou, Maine 04736
207.493.4211

Representative Experience

The following tabbed section describes examples of recently completed and ongoing projects for which D&K provided services directly pertinent to the on-call civil engineering services requested by the Town of Ogunquit.

EDUCATION

MPA, Public Administration
University of New Hampshire 1998
BSCE, Civil Engineering
University of New Hampshire, 1993
AAS, Civil Technology, Vermont Technical College, 1990

REGISTRATIONS/CERTIFICATIONS

Civil Engineering VT: 7524
Civil Engineering ME: 11911
Seeking Maine LPA Certification: May 2018
Civil-Highway Engineering NH: 9519
Civil Engineering MA: 48178
Civil Engineering CT: 27002
Civil Engineering RI: 9276
NCEES Registration
OSHA 10-hour certification
NHDOT LPA Certification: (Parts 1 & 2), cert. No: 1520

Mr. Benoit is a civil engineer with 27 years of experience in the design and preparation of plans, specifications, estimates, and bid documents for transportation projects. His experience has been applied to the creation of horizontal and vertical alignments, typical sections, open and closed drainage systems, urban roadway design, traffic engineering, erosion and sediment control plans, permitting, utility relocation, and bicycle paths. Darren's responsibilities include supervising design teams, subconsultant coordination, public participation and serving as the client liaison. He is knowledgeable of design standards and project development throughout New England including permitting requirements.

Manchester-Boston Regional Airport Access Road Design, NHDOT, Manchester, NH. Engineer-of-Record responsible for highway design tasks, including alignment, drainage, and plan production. This project involves the design of a new airport access road. The project site includes approximately 2 1/2 miles of new roadway, multiple ramps and side roads, a new 1200 foot bridge crossing the Merrimack River, two multi-lane roundabouts and seven additional bridges.

NHDOT Consultant Services Agreement, Concord, NH. Administered three consecutive agreements with the NHDOT. Assignments were typically paving projects and a district-wide signing projects. Adapted staff to more effectively delivering projects including negotiating deliverables with the client and the recruitment and training of interns and junior staff. The result was delivering high quality construction documents under budget and on schedule and securing the highest rating during the last consultant selection.

Laconia Consultant Services Agreement, City of Laconia, Laconia, NH. Project Manager for a series of traffic-related projects. In collaboration with City staff, developed a capital improvements program for the City traffic signals and completed several projects of varying sizes to free up staff. Assignments included improvements to broken loops, evaluation of a stop-controlled intersection, guidance on striping, parking, drainage, and pedestrian movement/crossings throughout the City.

Culvert Replacement, MaineDOT, Machiasport, ME. Project Manager/Engineer of Record for replacement of an existing culvert. Provided quality assurance, client coordination, and managed schedules and budgets.

Culvert Replacement, US 1, MaineDOT, Waldoboro, ME. Project Manager/Engineer of Record for replacement of an existing culvert. Provided quality assurance, client coordination, and managed schedules and budgets.

District Sign Safety Projects, NHDOT Statewide. Project Manager for a series of NHDOT District-wide sign safety projects including data collection, analysis, recommendations, and report generation, and developing construction documents that ultimately resulted in review and updating of over 50% by mileage of all the curve safety signs in the state.

Stoddard-Hillsborough Pavement Rehabilitation Project, NHDOT Stoddard/Antrim/Hillsborough, NH. Project Manager for large paving project that included field inspection, safety improvements, paving, and deck maintenance for a bridge within the project limits. Project was completed under budget and within an aggressive schedule.

NH Route 125/Tolend Road Intersection Safety Project, NHDOT Barrington, NH. QC/QA Engineer for the installation of a signal and safety improvements for this intersection.

Bridge Replacement over Route 1 Bypass, NHDOT Portsmouth, NH. Highway Engineer responsible for QC/QA Reviews. This project involves final design and construction services for bridge replacements over the US Route 1 Bypass in Portsmouth, NH. Five structurally deficient bridges (Maplewood Ave., Stark St., Woodbury Ave., Islington St., and Middle Road) over the US Route 1 Bypass will be replaced. Along with the structural work, associated highway work includes approach roadway reconfiguration and developing traffic detours for each of the bridge closures.

Morristown Truck Route Highway and Bridge Design, VT Route 100, VTrans, Morristown, VT. Project Manager responsible for all aspects of highway design. This project involved the design of a two mile limited access roadway including six at-grade intersections, a 520' river crossing, extensive stormwater treatment facilities and three traffic signals. A detailed public participation process and reevaluation of an original EIS, done almost 30 years earlier, were also required. In addition, a Type I noise study was provided.

EDUCATION

B.S., Civil Engineering, University of Vermont, 1987
A.S., Civil Engineering, Vermont Technical College, 1983
A.S., Business Management, Daniel Webster College, 1980

REGISTRATIONS

Professional Engineer: ME 12204, VT 5806, NH 8322,
NY 083621, NJ 24GE05131700
LEED Accredited Professional
Certified Site Technician: VT 314
8 Hour Entrant & Attendant Program

Mr. Tucker is a Senior Principal with 33 years of experience as a manager and engineer. His responsibilities include contract management of federal and state IDIQs, budget and schedule management, QA/QC, client/owner coordination, oversight and direction of technical operations, problem resolution, and public meetings. He has managed diverse A/E teams for federal IDIQs and has a proven track record with deliverables, workload balance, and small business goal attainment. Jeff has extensive experience with all aspects of planning, design, and construction management and inspections for projects, including buildings and facilities, civil and environmental, aquatic habitat restoration, dam removal, river restoration, fluvial geomorphology, natural channel design, hydrology and hydraulics, energy efficiency, brownfield redevelopment, structural and geotechnical engineering, cost estimating, watershed and flood control planning, environmental and ecosystem analyses, and slope bioengineering.

Nationwide Dams, Survey Services, USDA Natural Resources Conservation Service. Contract Manager to provide survey services on a Nationwide Dam contract for USDA NRCS. D&K was subconsultant to Gannett Fleming. Assignments include:

- **Wiscasset, ME.** Through the Wetland Reserve Program (WRP), surveyed a dam, a 30-acre pond, and 3 miles of stream for easement being preserved in the Township of Wiscasset on existing lands of the Chewonki Foundation. Services include boundary survey, research, monumentation, and platting.
- **Madawaska, ME.** Survey and easements necessary for dam removal on Martin's Brook. Services include boundary surveys, research, monumentation, and platting.

US Border Station Facility, Madawaska, ME. Principal-In-Charge of a \$35 million new land port of entry facility. D&K was a member of the design team for a new border station. This GSA project involved the replacement and reconstruction of the existing undersized and functionally obsolete border station. Design services included all civil site engineering, survey, and civil structural for an elevated roadway.

Engineering and Construction Management for Tropical Storm Irene Related Repair Projects, Royalton, VT. Served as Chief Design/Construction Engineer for project sites that advanced into construction. The work entailed design and engineering for infrastructure to be repaired, including bridges and structures, roadway embankments, and slope stability; hydrologic and hydraulic analysis and reports; preparation of engineering plans and contract documents for associated projects; procuring qualified contractors through publicly advertised bid phase process; and providing senior oversight to construction inspectors of projects under construction.

Dam Master Plan, Keene, NH. QA/QC and Inspector for identification of deficiencies of five High Hazard dams, evaluation and recommendation of solutions, and recommendations for a timeline for implementation. The dams included Robin Hood, Ashuelot, Woodward Pond, Goose Pond, and Babbidge Reservoir. The Master Plan provided estimated costs for the recommended measures to be used by the City for budget planning purposes. The project included a systematic plan to implement major improvements to bring the dams into compliance with current state standards.

US Fish and Wildlife Service IDIQ, Various Locations in Northeast and Mid-Atlantic Regions. Contract Manager and Principal-In-Charge for an IDIQ to provide A/E services for Region V. Services include civil, structural, mechanical, electrical, transportation, and utilities engineering; planning; survey; hydrology and hydraulics; wetlands; permitting; landscape architecture; hazardous waste; and oversight of architectural services. Primary client contact, preparation of task order contracts and schedule, Assignment of task responsibilities to managers. Provided senior engineering, quality assurance reviews. Improvements are for National Wildlife Refuges (NWR), National Fish Hatcheries, and research laboratories within the northeast region. Projects to date have included support services for rehabilitation on a TS Irene-damaged bridge at the Walkill NWR; electrical improvements (photovoltaic design implementation and back-up generator installation) at 3 wildlife refuges, Edwin B. Forsythe, Cape May, and Supawna Meadows; a wwtf assessment at Craig Brook NFH; an electrical Arc-Flash hazard assessment at Craig Brook and Green Lake NFHs; geodetic leveling at 10 national wildlife refuges around the Northeast; value engineering at the Administrative Facility at Edwin B. Forsythe National Wildlife Refuge.

A/E Services for Planning, Design, & Implementing Conservation Practices, USDA Natural Resources Conservation Service, VT. Contract Manager for an Indefinite Delivery Contract to provide A/E services primarily for agricultural facilities. Services included site investigations, design, preparation of plans and specifications, and construction inspection of roofed barnyards, waste storage facilities, or protection of heavy use areas.

EDUCATION

M.S. Engineering Sciences, Dartmouth College, 1988

B.S. Civil Engineering, University of Vermont, 1983

REGISTRATIONS

Professional Engineer: ME 12940

Professional Engineer: NH 13798

Professional Engineer: VT 6133

Ms. Gibson has 30 years of experience in transportation planning and design for municipalities, regional commissions, and private entities. Her specific experience includes multimodal transportation planning, design, and engineering for walkable streets, downtown transportation circulation, and multimodal traffic impact studies for infill "smart growth" development. Lucy has worked with the Institute of Transportation Engineers on several national guidance documents that cover innovations in planning and design of streets for sustainability and livability. She has researched and published on land use–transportation interactions and measures, focusing on the neighborhood and community.

As a transportation planner/engineer, she seeks to apply current research on land use and transportation interactions to infrastructure design projects for both private and public clients. She is a frequent speaker at regional and national conferences on these topics, as well as a contributor to state and national guidance documents.

Murphy Hill Traffic Calming, PACTS, Portland, ME. Project Manager for design effort for a neighborhood traffic calming plan in the Murphy Hill neighborhood of Portland. Scope included a planning process where goals for speed or volume reduction were established and potential traffic calming measures were identified. The second phase included developing conceptual plans and cost estimates. Throughout the project, D&K presented at several public meetings, conducted outreach to emergency service providers, and worked to build consensus on plan. Traffic calming measures in the plan included speed tables, chokers, traffic circles, and curb extensions.

Rockland Downtown Revitalization Plan, Rockland, ME. Led the traffic circulation and engineering component of an award-winning plan (NNECAPA Plan of the Year 2010). Reviewed existing data and observed current conditions, and developed a set of design recommendations to achieve needs for pedestrian safety, traffic calming, integration of on-street parking, and functional intersection improvements. Street connectivity and a network framework were important components of the plan, which identified the different roles of each street in terms of "link and place." Streetscape designs for key links were developed in collaboration with the team's landscape architect.

Libbytown Traffic Circulation and Streetscape Plan, Portland, ME. Project Manager for study to develop alternatives and recommendations to enhance multimodal transportation and development opportunities of the Libbytown neighborhood of Portland. Assessed existing traffic patterns and volume of automobiles, transit, bicycles, and pedestrians. Improvement alternatives evaluated included reconfiguration of the I-295 Exit 4 Ramps, conversion of Congress and Park to two-way operation, pedestrian and bicycle crossings, transit opportunities, streetscape enhancements, and stormwater infrastructure improvements. The significant public participation program and stakeholder coordination included public, committee, and stakeholder meetings, and development of flyers and material for a project web page. The project presented pros and cons of each developed alternative and identified a preferred alternative.

Brighton-Deering-Falmouth Roundabout, Portland, ME. Transportation Planner for a team developing a complex roundabout design for a six-leg intersection. The intersection is on freight and emergency response routes and is adjacent to the University of Southern Maine campus, with abundant pedestrians and transit users. D&K is performing traffic analysis and multimodal level of service, and consulting on the roundabout design to assure it is accessible to all. Determined crosswalk location and accessible design, bus stop location, and alternative bicycle routes so that the intersection is traversable by both expert and average cyclists. Supervised D&K traffic engineers collecting data on the freight volumes and emergency vehicle sizes that regularly use the intersection to provide input into the roundabout geometric design. Assisting with public involvement and stakeholder outreach.

Reclaiming Franklin Street, Portland, ME. Worked in a highly participatory planning multimodal transportation process to develop alternative future schemes for a major roadway corridor entering the historic downtown of Portland. In consultation with numerous stakeholder groups and working closely with a citizen's committee appointed by the City Council, three alternative concepts were designed and developed for further consideration and project scoping. The alternatives included different street cross sections, intersection configuration, and improving street connectivity. An overarching goal of the project was to establish a corridor and street network that could support urban redevelopment to revitalize a highly accessible but underutilized area near downtown Portland.

Great Streets BTU, Burlington, VT. Senior Transportation Planner for a City initiative to reenvision downtown Burlington's streets as economically vibrant, walkable, and sustainable thoroughfares, and incorporating the redesign of City Hall Park. The project includes establishing new design standards for the downtown and developing a concept plan for Main Street from South Union to Battery Street and two blocks of St Paul Street, including changes in parking, protected bicycle lanes, signalized intersections, curb extensions and placemaking components. Future phases of the project include developing construction documents for the street reconstructions and City Hall Park.

EDUCATION

B.S., Civil Engineering,
University of New Hampshire, 1998

REGISTRATIONS/CERTIFICATIONS

Professional Engineer: NH 11910
NHDOT LPA Certified

Mr. Bourcier has 20 years of civil/site engineering experience in design and permitting for commercial, municipal, state, and federal clients for a wide range of site development and civil structural assignments including bridges, dams, recreational areas, and facilities. His knowledge encompasses stormwater, drainage, and utilities. Scott is familiar with local, state, and federal regulations and frequently coordinates closely with municipal planning and engineering officials. He has significant experience securing Categorical Exclusions (CE) for a variety of projects throughout New Hampshire and coordinating with state agencies.

Bates College, Lewiston, ME. Designed portions of NCAA 400-meter certified Bates College Track Facility. Investigated stormwater runoff as result of proposed facility's impervious area for City of Lewiston Ordinance Application and Maine Department of Environmental Protection (MDEP) Chapter 500 Stormwater permitting rules. Responsibilities included creating a hydrological analysis (via HydroCAD) of the Pre and Post Development model comparison, report generation of the analysis, and design of the stormwater alternatives to manage the stormwater runoff. Calculated cost estimates of proposed track facility, prepared plans for facility construction, and assisted in construction administration; shop-drawing reviews, field observations, and construction meetings.

Sewer Utility Extension, Poland and Auburn, ME. Prepared plans for the Town of Poland/City of Auburn Water & Sewerage Districts' 41/2-mile Sewer Utility Extension and Lewiston Junction Road Reconstruction. Coordinated with Geotechnical Engineers on both Wetland Investigation and Subsurface Soil Investigation; coordinated with Maine Department of Environmental Protection (MDEP) and Army Corp of Engineers on freshwater wetland permitting; coordinated with Maine Department of Transportation (MDOT) on right-of-ways related issues; and coordinated with utility companies (i.e. electrical, gas, cable, telephone, etc) locating existing utility lines within the scope of the project. Prepared plans for construction of the project, calculated the anticipated cost estimate of the project, and assisted with the construction administration of the project; on shop-drawing reviews, Work Change Directives, Work Change Orders, field inspection, permit modifications, construction meetings, and record drawing coordination.

Utility Replacement Project, City of Auburn, ME. Designed City of Auburn Water and Sewerage District's Union Street Bypass Utility Replacement project. Coordinated with Maine Department of Transportation (MDOT) on existing utilities, coordinated with utility companies (electrical, gas, cable, telephone, municipality, etc), located existing utility lines within scope of project, prepared plans of the proposed utility replacement, and calculated the anticipated cost estimate of the project.

Maine Department of Transportation, Poland, ME. Coordinated creation of Right-of-Way plans for Empire Road/Route 122 Intersection and the Worthley Brook Culvert for the MDOT Division 6 Office. Coordinated with AutoCAD Technicians, Right-of-Way Office, and the Town of Poland to create the required Right-of-Way Plans for the MDOT records.

Sangerville Station Replacement Bridge, Maine Department of Transportation. Storm drainage and site grading design. Conducted 50-year storm event analysis, and designed appropriate closed storm drainage system.

City/Town Engineer, Various Locations, NH. Responsibilities include coordination with, but not limited to, the City Manager, Town Administrator, Public Works Director, Road Agent, City/Town Planner, Parks & Recreation Department to address civil engineering related concerns. While some concerns are resolved with on-site discussions/collaborations between all parties, other concerns require studies, design/permitting plans and/or construction assistance to implement corrective measures. Municipalities include:

- **Town of Barrington** (Since 2010): Assisting the Town of Barrington with annual construction observation of roadway repairs and completed a Pavement Asset Management Inventory & Evaluation; Town of Bow (Since 2011): Assisting the Town of Bow with annual road investigation / repair methodology, construction observation of annual roadway repairs, and evaluation of water distribution system.
- **Town of Chester** (Since 2003): Assisting the Town of Chester with annual road investigation / repair methodology, construction observation of annual roadway repairs, and documentation of preliminary culvert evaluations.
- **Town of Raymond** Since 2013. Assisting the Town of Raymond with construction observation related to roadway and water utility improvements.

EDUCATION

B.S., Civil Engineering,
Norwich University, 1995

A.S., Civil Engineering,
Vermont Technical College, 1992

REGISTRATIONS

Civil/Highway: NH 10682

Civil Engineering: VT 8769

Mr. Lathrop is a Senior Transportation Engineer and the Highway Department Manager at D&K with 20 years of experience in transportation improvement projects. His professional experience includes the preliminary and final design of a variety of transportation projects for the Vermont Agency of Transportation, New Hampshire Department of Transportation, and numerous municipalities.

Mr. Lathrop's roadway experience includes the reconstruction of local roadways and state highways, resurfacing and safety improvements for interstate highways, intersection improvements, pathways, and sidewalks. He has been involved in all phases of project development from project conception through construction including design, public participation, contract documents, utility coordination, traffic management plans, bidding, and construction administration and inspection.

Maine Turnpike Authority, Modernization and Widening Project, Interstate 95, Saco, ME. Project Engineer for final design of 2.3 miles of mainline widening of Maine Turnpike. Widening consists of addition of third 12 ft lane and widened shoulders in both northbound and southbound direction. Project also included realignment of two northbound off ramps and a northbound on ramp, which were designed to accommodate a future fourth lane.

U.S. Border Station Facility, Madawaska, ME. Assistant Project Manager for a \$35 million new land port of entry facility. D&K is currently engaged as a member of the design team for a new border station. This GSA project involves the replacement and reconstruction of the existing undersized and functionally obsolete border station. Design services include all civil site engineering, survey, and civil structural for elevated roadway. The station included design for a roadway crossing of the Boston-Montreal rail line, including a 9-span bridge. Functioned as point-of-contact among various disciplines.

NH Route 101 Road Rehabilitation/Widening, NHDOT, Manchester-Auburn, NH. Project Engineer for preliminary design of 2.6 kilometers of rehabilitation and widening of NH Route 101, a four lane divided highway. Project began at merge/diverge of I-93/NH Route 101 split in the City of Manchester and continued easterly along NH Route 101 to Severance Brook in Auburn. Responsibilities included vertical and horizontal alignment alternatives for reconstruction of on/off ramps, cost estimates, and level of service calculations.

Highway Resurfacing IDC, VTrans, Statewide, VT. Project Manager/Senior Highway Engineer for multi-year retainer contracts (2007-2010, 2010-2015 and 2015-2019). Providing preliminary and final design services for pavement resurfacing and rehabilitation projects statewide. Design elements include initial field reconnaissance, typical section development, pavement markings, roadway signing, guardrail and bridge rail upgrades, sidewalk ramp upgrades, traffic signal equipment upgrades, traffic control, development of banking diagrams, cross sections, and minor drainage improvements. Projects include "mill and fill" resurfacing, pavement widening, and pavement reclamation projects. Responsible for managing development of detailed project plans, specifications, and estimates, and QA/QC of all assignments.

Safe Routes to School, VTrans. Senior Project Engineer for retainer contract to assist VTrans and schools statewide to implement the Safe Routes to School Program (SRTS). Responsible for infrastructure improvements including planning, conceptual, preliminary, and final design; right-of-way documentation; utility coordination; and design services during construction.

Roadway and Safety Engineering Services Retainer Contract, VTrans, Statewide, VT. Project Manager for on-call retainer contract with the Vermont Agency of Transportation to assist with the development of roadway, intersection, and other safety related transportation projects throughout the State. Projects include:

- **Intersection Improvements and Signing, Irasburg, VTrans, VT.**
- **Route 100 Roadway Corridor, Ludlow to Bridgewater, VT.**
- **Route 100 Roadway Corridor, Roadway and Safety Engineering Services Retainer Contract, VTrans, Stockbridge to Rochester, VT.**

Three Rivers Transportation Pathway, St. Johnsbury, VT. Senior Engineer for engineering services for a new 1.1-mile transportation path that included design upgrades to the WACR-CRD rail line/Bay Street grade crossing. The project included the retrofitting of a former rail bridge for pedestrian traffic. Responsible to oversee design of pathway alignment and alignment of rail crossing and evaluating alternatives to minimize impacts to adjacent roadways and properties, while meeting VTrans bike and pedestrian criteria.

EDUCATION

M.S., Engineering, Virginia Polytechnic Institute, 1984
B.S., Civil Engineering, Clarkson University, 1977

REGISTRATIONS

Professional Engineer: ME 5606

Professional Engineer: NH 5811

Professional Engineer: MA 32202

Professional Engineer: VT 5342

Professional Engineer: CT 13564

Professional Engineer: NY 63406

Professional Engineer: PA 60807

Professional Engineer: OR 88571

SECB: Structural Engineering Certification Board

NHDOT LPA Certification: (Parts 1 & 2), cert. no. 1254

Mr. Durfee has 39 years of experience in the inspection, analysis, design, and construction observation of new bridges, as well as the field observation and repairs/rehabilitation to existing steel, concrete, precast/prestressed concrete, and timber bridges. He has managed or designed numerous highway, railway, roadway, and bridge projects for state and municipal agencies, including over 100 bridges. Bob is a noted author of several bridge and structural publications and presentations. His experience includes previous employment with the New Hampshire Department of Transportation (NHDOT).

Perkins Cove Pedestrian Bridge, Ogunquit, ME. Project Manager that provided structural engineering services for the replacement of the Perkins Cove Pedestrian Bridge. The bridge is a double-leaf pedestrian drawspan and may be the only bridge of its type in the country. Project included improvements to the existing docks and boat maintenance cradle.

Bridge Inspection/Evaluation, Belfast, ME. Project Manager that performed an inspection and evaluation of a 77 year-old highway bridge over a tidal estuary that has been converted to a pedestrian bridge. Project included the evaluation of a new pier/dock facility and mooring field adjacent to the bridge.

Brunswick/Topsham, ME. Project Manager for the inspection and evaluation of a historic pedestrian suspension bridge.

Wiscasset, ME. Project Manager for the replacement of the Clark's Point Road bridge superstructure replacement.

Parking Garage Evaluation, Maine Medical Center, Portland, ME. Project Director for inspection, evaluation and recommendations for repairs for 10-story garage. Project includes designing repairs and providing construction administration and resident engineering over a three (3) year period.

Parking Garage, Emergency Repairs, Laconia, NH. Project Manager for emergency repair design to a heavily corroded joist connection. The issue was discovered during the daytime, and the repairs were designed and implemented within 9 hours.

Bridge Rehabilitation, Main Street Bridge, Laconia, NH. Project Manager for the evaluation and design of the rehabilitation of the Main Street Bridge in Laconia. The bridge, consisting of three distinct bridge structures, traverses the Winnepesaukee River and is the predominant access in and out of the City. Project components to date have included a field inspection of the bridge and surrounding area, an evaluation of existing conditions, development of alternatives to repair or replace the existing structure, quantity and cost estimates for the various alternatives, development of a final Bridge Investigation and Recommendation report, several public meetings, and preliminary and final bridge plans. *This project was designated as the overall winner of the annual ACEC-NH Engineering Excellence competition.*

Gold Street Utility Bridge, Laconia, NH. Project Manager for the evaluation and design of emergency repairs to the Gold Street Utility Bridge over the Lake Winnepesaukee Outlet in Laconia. The existing two span steel truss utility bridge, with a total span length of 140 feet, was constructed in the 1920s. The bridge carries a 12" diameter active sewer line as well as an abandoned (de-activated) 6" diameter water pipe and 8" gas pipe, suspended a mere 16" above Lake Winnepesaukee.

City Owned Bridges (11), Claremont, NH. Lead Structural Engineer for inspection, evaluation, and load rating of 11 City-owned bridges.

Weirs Beach Boardwalk Repairs and Reconstruction (South Section), Laconia, NH. Lead Engineer for the structural evaluation and rehabilitative design of Weirs Beach Boardwalk and pier (south section), an elevated structure consisting of timber deck and steel framing on concrete foundations. The structure is adjacent to and extends into Lake Winnepesaukee. The 970-ft section was found to be in an advanced state of deterioration and concrete footings and foundation walls were severely undermined or destroyed from a flood event. A continuous steel sheet pile retaining wall, adjacent to Lake Winnepesaukee, was designed and constructed to provide a stable foundation for the rehabilitated boardwalk framing and new boardwalk sections. Repairs/additions to City docks and pilings were made.

EDUCATION

B.S. Civil Engineering, University of Rhode Island, 2002
M.S. Structural Engineering, University of Massachusetts, 2007

REGISTRATIONS

Professional Engineer ME: Pending 08/2018
Professional Engineer VT: 134249
Professional Engineer MA: 53393
Professional Engineer NH: 13644
Professional Engineer CT: 30545
OSHA Confined Spaces
OSHA Fall Protection

Mr. Hall is a bridge engineer with 17 years of experience providing services to municipal, state, federal, and private clients. His experience includes oversight, structural calculations and plan development, inspection and analysis, permitting assistance, and construction phase services in support of a wide range of concrete and steel bridges and earth retaining structures. Jim has provided senior level engineering and management for large-scale interstate highway bridge and interchange projects as well as small-scale municipal, private, and state-owned bridges and culverts throughout New England.

Bridge. No. 150/106 NH Route 113 over Bearcamp River, Tamworth, NH. Senior Bridge Engineer for a two-span replacement of an existing three-span bridge. Responsible for constructability reviews and construction administration tasks.

Bunker Hill Road Bridge, Tamworth, NH. Senior Bridge Engineer for an in-kind replacement of a municipally-owned single-lane bridge that carries Bunker Hill Road over Mill Brook. NHDES Standard Dredge and Fill Permit. In responsible charge of design.

Quaker Whiteface Road Bridge Replacement, Sandwich, NH. Senior Bridge Engineer for bridge study phase services for the replacement of the Quaker Whiteface Road Bridge. The existing bridge is listed on the NHDOT Redlist due to deficiencies, which include a low load carrying capacity and poor deck condition. D&K determined that rehabilitation of the bridge was the most cost effective option compared to complete replacement. It was determined upon assessment that the superstructure was in need of replacement, but the substructure was in good condition. Responsible for leading the design of the replacement structure.

Wallace Road Culvert Replacement, Bedford, NH. Lead Bridge Engineer responsible for all phases of the design process, including steel and concrete design calculations, calculating quantity take-offs, specifications, estimates, drafting and reviewing plans. This project involved the rehabilitation of the badly deteriorated Wallace Road Bridge with a paved concrete invert. The project included hydraulic analysis, environmental and historical permitting, roadway, and bridge design on an accelerated schedule. Responsible for supporting plan development, and other services to enable Bedford to reopen the bridge in fewer than 6 months.

Jenkins Road Bridge Replacement, Bedford, NH. Senior Bridge Engineer responsible for structural design, specifications, estimates and plan development. This project consisted of the replacement of three deteriorated pipe culverts with a 28' span precast concrete rigid frame. The existing structure was undersized and classified as a dam by the NHDES. The completed bridge was sized to accommodate the 100-year flow and resulted in removal of the dam classification. The bridge was constructed with cast-in-place footings founded on bedrock. This project was designed and administered through the New Hampshire Municipally-Managed Bridge Aid Program and included a study phase, preliminary and final design, and construction administration services.

Hannah Nutter Bridge Replacement, Barnstead, NH. Senior Bridge Engineer responsible for structural design and plan development. This municipally-managed bridge project consisted of the replacement of a red-list bridge carrying Hannah Nutter Road over Big River. The existing bridge consisted of concrete beams on stone abutments. The bridge replacement consisted of a 42'-0" three-sided rigid frame sized to conform with the NHDES Stream Crossing Guidelines for 1.2 times bankfull width. The project included Engineering Study and Preliminary and Final design.

Sewalls Falls Bridge Replacement, Concord, NH. Senior Bridge Engineer responsible for structural design and plan development. This municipally-managed bridge project involved the replacement of the Sewalls Falls Bridge and approach roadway. The existing two-span 100-year-old bridge truss was replaced by a three-span, steel girder bridge supported by drilled-shaft river piers. This project included environmental resource identification, survey, hydraulic design, geotechnical investigation, right-of-way, utility coordination, roadway design, and construction oversight, and public outreach including a project website and a series of listening sessions throughout the duration of the project.

EDUCATION

Bachelor of Civil Engineering (BCE), Environmental Concentration, The Catholic University of America, 2004

REGISTRATIONS

Professional Engineer: NH 13870

Mr. Sceggell has 13 years of experience working with municipal, nonprofit, and commercial clients on a diverse portfolio of design, construction management, and environmental planning projects. He has significant experience on civil/site and utility projects including drinking water, wastewater/sewer, and stormwater infrastructure. Nick has expertise with ArcGIS mapping software and GPS data collection; AutoCAD Civil 3D to create alignments, profiles, vertical and horizontal curve design, and related site design techniques; WaterCAD to model water systems in order to evaluate capacity and development impacts; and HydroCAD for stormwater management calculations.

Keating-Birchwood Area Reconstruction, Dover, NH. Project Manager for design of 4,400 feet of utilities and road reconstruction in a residential area. Providing coordination of transportation design and survey, and leading design of water and sewer service, stormwater, and drainage design, public outreach programs, and associated permitting. Design elements incorporate Complete Streets multimodal transportation design measures and the integration of Low Impact Design (LID) stormwater infiltration and treatment facilities.

Gold Street Utility Bridge, Laconia, NH. Utilities Engineer for the evaluation and design of emergency repairs to the Gold Street Utility Bridge over the Lake Winnepesaukee Outlet in Laconia. The existing two span steel truss utility bridge, with a total span length of 140 feet, was constructed in the 1920s. The bridge carries a 12" diameter active sewer line as well as an abandoned (de-activated) 6" diameter water pipe and 8" gas pipe, suspended a mere 16" above Lake Winnepesaukee. In December 2015, City PWD observed a complete failure of the east span truss, with an immediate threat of the sewer line collapse and discharge of raw sewage into the Lake. The City of Laconia immediately contracted with Dubois & King to provide and fast-track engineering services emergency repair design.

Lakes Business Park, Laconia, NH. Project Manager for design and permitting in support of a trail network and a pedestrian bridge within a heavily vegetated section of an existing commercial area. Service includes attendance of meetings and site visits, and design services.

Weirs Community Park, Laconia, NH. Project Manager for civil, environmental, mechanical, and electrical design for a new park on Lucerne Ave. The park includes a restroom building, amphitheater, playground, and pavilion. Coordinated with Town Planner and assistant DPW Director to pursue Low Impact Development at the site. Used grass swales and rain gardens to manage stormwater on-site. Provided client coordination, managed scheduling and budgeting of the project, and led civil design and permitting.

Main Street Reconstruction, Claremont, NH. Project Engineer for design of a full depth utilities and roadway reconstruction project. The project supports a larger "Gateway to the City" project. Provided utility design and layout. Designed stormwater features and prepared construction drawings and specifications.

Source Water Protection Initiatives, Various Communities, NH. Water Resources Specialist to prepare watershed assessments of drinking water sources for New Hampshire communities. Work included organizing and running stakeholder meetings, gathering input from state agencies, community organizations and private individuals to develop action plans and protect the watersheds. Tasks included drainage area mapping, subwatershed delineations, identifying potential sources of contamination, and stormwater runoff calculations.

On-Call Sewer Review, Plymouth Village Water and Sewer District, Plymouth, NH. Project Manager for third party review services to evaluate new wastewater connections to a municipal wastewater collection system. Services include review of design plans and calculations to support location and sizing of new water and sewer infrastructure, and review of design details and specifications for compliance with PVWSD standards.

The Highlands at South Down Drainage Evaluation, Laconia, NH. Project Manager to evaluate existing drainage infrastructure for a condominium association to determine if grass treatment swale is adequately sized and in accordance with Best Management Practices. Identified improvements necessary to meet original design intent.

EDUCATION

BS Civil & Environmental Engineering
University of Maine
Civil & Environmental Engineering
Orono, ME, 2001

REGISTRATIONS/CERTIFICATIONS

Professional Engineer: ME 12499
MaineDOT LPA Certification

Mr. McDougall is a Senior Airport Engineer with 16 years of experience in airport and civil/site engineering and permitting. Located in Caribou, Maine, Shane has extensive background managing and designing a variety of projects at Maine airports. His responsibilities have included the allocation of staff to ensure project deadlines are met, overall project budget management, and oversight and quality control for Northern and Eastern Maine projects. Shane has also provided project management, design, and administration for an array of development projects where his services have included site design, environmental permitting, stormwater analysis and design, construction management, and field inspection of various civil and transportation projects. His background includes aviation engineering, roadway design, manufacturing process engineering and process control.

River Road Slope Stabilization, Caribou, ME. Project Manager for a rapid response design to address failure on a locally, City owned roadway. Time is of the essence for this project as the roadway is closed to traffic and four property owners have been permanently displaced. The City is currently negotiating purchase and sale agreements for all affected property owners as timing for design and implementation are not in line with the short construction season in Northern Maine. D&K has been tasked with providing a planning study to develop alternatives for embankment and roadway mitigation. Specific responsibilities including leading a team to survey the site, investigate subsurface geotechnical conditions, develop conceptual designs with associated cost opinions with an ultimate preferred alternative presented.

Grimes Mill Road Slope Stabilization, Caribou, ME. Developed a feasibility study in conjunction with the Auburn, NH office to address a sub terrain failure on the banks of the Little Madawaska River. After investigating the probable causes of the failure and developing remedial solutions to facilitate the City, an application for FEMA funding was processed. Once approval was obtained from FEMA, design, permitting, bidding and construction services were implemented. The design realigned the adjacent roadway which required land acquisitions from abutting property owners. This allowed the failed slope, approximately a 45' difference in elevation from the river to the roadway, to be regraded and heavily rippedraped to prevent future instabilities.

Stormwater Mitigation Construction, Northern Aroostook Regional Airport, Frenchville, ME. Project Manager for site inspection and coordination of construction of a stormwater underdrain treatment swale for future hangar and tourism development at the airport. Duties included construction observation and reporting.

Stephen A Bean Municipal Airport, Rangeley, ME. Senior Airport Engineer for capital improvements planning (CIP), technical, environmental, and regulatory issues under a multi-year contract at Rangeley's municipal airport. Responsibilities include quality assurance review and senior-level engineering. Relevant projects include:

- **Runway Length Analysis and Technical Master Plan Update.** Senior Airport Engineer for planning, evaluation, concept design, and environmental resource analysis supporting an 1,100' runway extension and appurtenant improvements. The FAA found the airport to be out of compliance for its design aircraft. A principal user of the airport, LifeFlight, a nonprofit medical transport company regularly uses this type of aircraft to provide its services. Additional updates to the CIP include new terminal building, new aircraft maintenance facility, new hangars, apron improvements, perimeter fencing, snow removal equipment acquisition, and construction of a snow removal equipment building. Responsible for site assessment as well as narrative and design content of updates. Typically a 1-year process, this service was performed in 3 months.
- **Environmental Assessment for Runway and Taxiway Extensions and Town Highway Relocation.** Senior Airport Engineer for preliminary design and environmental resource assessments and submitted NEPA EA documentation for construction of the following improvements: 1,100' runway extension, 1,100' taxiway extension, 400' relocation of Loon Lake Road, new terminal building, new aircraft maintenance facility, new hangars, and apron improvements. Responsible for leading preliminary design suitable for permitting plans. Typically a 1-year process, the EA documentation was completed and submitted by in 4 months.
- **Runway and Taxiway Extension Design.** Senior Airport Engineer for design of a 1,100' runway extension, a 1,100' taxiway extension, and a 400' relocation of Loon Lake Road to bring the runway into compliance with current FAA requirements for the the airport's design aircraft. Responsible for leading and providing day-to-day design development. Typically a 1-year process, the design is currently being developed in a 5-month timeframe.

EDUCATION

B.S., Civil Engineering, University of Vermont, 2007

REGISTRATIONS

Civil Engineer: ME 14272

Civil Engineer: VT 79076

Civil/Highway Engineer: NH 15117

AFFILIATIONS:

National Vocational Technical Honors Society

Howard Dean Educational Center

Vermont VICA Skills USA Championships

Second Place in Vermont for CADD

Mr. Breslend is a Civil Engineer with 10 years of experience providing management and design of transportation projects. His experience includes the preparation of alternatives analyses; preliminary and final designs; cost estimation; plan development; field survey; and utility coordination for a variety of pathway, sidewalk, and roadway projects. Brian is proficient in CADD software including MicroStation and AutoCAD, as well as Trns•port Estimator cost estimating software.

Roadway and Safety Engineering Services Retainer Contract, VTrans, Statewide, VT. Project Manager for on-call retainer contract with the Vermont Agency of Transportation to assist with the development of roadway, intersection, and other safety related transportation projects throughout the State.

Highway Resurfacing IDC, VTrans, Statewide, VT. Senior Project Engineer for multi-year retainer contracts (2004–2007, 2007–2010, and 2010–2015). Providing preliminary and final design services for pavement resurfacing and rehabilitation projects statewide. Design elements include initial field reconnaissance, typical section development, pavement markings, roadway signing, guardrail and bridge rail upgrades, sidewalk ramp upgrades, traffic signal equipment upgrades, traffic control, development of banking diagrams, cross sections, and minor drainage improvements. Projects include “mill and fill” resurfacing, pavement widening, and pavement reclamation projects. Responsible for conducting field investigations, development of detailed drawings, and estimation of quantities and costs.

Safe Routes to School, VTrans. Transportation Engineer to assist VTrans and schools statewide to implement SRTS. Responsible for infrastructure improvements including planning, conceptual, preliminary, and final design; right of way documentation; utility coordination; and design services during construction.

Planning & Technical Assistance, Chittenden County Metropolitan Planning Organization. Design Engineer for planning and technical assistance projects on as-needed basis for member municipalities in the Chittenden County area. Projects include speed limit recommendations, intersection design alternatives, bridge inspections, intersection control warrants, signage recommendations, traffic calming designs, safety analyses, capacity analyses, and pedestrian and bicycle facilities alternatives analysis and design. Required working closely with jurisdiction representative to prepare written scope of work and to complete individual assignments normally within a short time period.

Five Slope Stabilizations, VTrans, Various Locations, VT. Project Manager for the design of permanent repairs to areas impacted by Tropical Storm Irene along VT Route 14 in Sharon, VT Route 100B in Moretown, VT Route 100 in Granville, VT Route 125 in Hancock (box culvert) and areas of VT Route 125 in Ripton. The primary focus for each area is to provide a permanent design to stabilize the stream embankment and provide additional protection against future storm events.

Ryegate Culvert Replacement Design Build, VTrans, Ryegate, VT. Project Engineer for a \$15 million design-build project to replace undersized/flood-prone culverts beneath US Route 5 and WACR railroad. The project involves construction of two 32-ft-wide, cast-in-place, reinforced concrete arch culverts beneath the roadway/railroad. Culverts are 141 ft and 128 ft in length and will have 100-year service life, eliminate flooding potential, and greatly improve aquatic organism passage. Design included temporary rail bridge to allow culvert excavation below, and temporary track realignment and superelevation removal to minimize lateral forces of trains on bridge throughout construction. Rail culvert designed to accommodate Cooper E-80 live loads. For two roads accessing the site, completed intersection design, horizontal and vertical alignment, roadway grading, drainage improvements, slope stabilization, cross sections, and profiles.

Delaware & Hudson Rail Trail, Railroad Bridges Rehabilitation, VTrans, West Pawlet and Rupert, VT. Transportation Engineer for the design of repairs to five (5) rail structures on the Delaware and Hudson Rail Trail line. A number of structures on this line suffered scour-related damage due to Tropical Storm Irene and were in need of repair. D&K conducted a field reconnaissance and topographic survey of each site; developed a range of alternatives to repair each bridge, preliminary and final design drawings and specifications, and CE documentation and permit applications; and prepared quantity and cost estimates. Brian developed plans and prepared quantity and cost estimates for the project.

EDUCATION

M.S. Resource Management & Administration
 Antioch New England Graduate School, 2011

B.A. Johnson State College, 1993

REGISTRATIONS

AICP, American Institute of Certified Planners
 CFM, Certified Floodplain Manager

Chris Sargent has 16 years of experience in community planning with expertise in municipal planning and government, zoning regulation, permit analysis, facilitation and public process. He has extensive experience working with communities to engage the public, having worked with over 20 communities to develop their own municipal vision for the future. Chris has overseen the development of long-range regional planning policy including land use, natural resource protection and energy. He has assisted multiple municipalities with local planning including zoning, flood hazard, and subdivision regulations, and assisted state agencies with the development of land use and energy planning policy that guides regional and municipal renewable energy planning. As a Community Planner, he has a firm understanding of planning, permitting and public process for the development of transportation and planning projects for local, state and federal clients.

Vermont Green Streets Guide. Senior Planner for a project to develop guidance documents and training manuals that will increase the implementation of green infrastructure on Vermont streets. D&K is leading a consultant team to identify green stormwater opportunities and develop documents and training manuals that guide municipal leaders and designers in the implementation of green infrastructure statewide. Working with an interagency group led by the VT Urban and Community Forestry Program (FPR), D&K is combining examples of Green Streets in Vermont with practical steps to implement and maintain green infrastructure into an accessible manual and training materials. Responsible to provide review of reports and recommendations.

Policy & Planning Consultant Services, VTrans, Various Locations, VT. Senior Planner serving an ongoing on-call contract for transportation planning and research for the Vermont Agency of Transportation. Specific work assignments include:

- **Vermont Electric Vehicle Fueling Infrastructure Plan, VTrans.** Worked with project manager to develop a plan written in partnership with the Vermont Energy Investment Corporation for the Vermont Agency of Transportation, which provides planning tools necessary for building an electric vehicle charging station network. Specific details include, existing charging stations, types of electric vehicles registered in the state and their locations, potential locations, costs associated with installation, maintenance and operation of charging stations and potential business plans associated with implementation.

Regional Technical Assistance and Training Program, Two Rivers-Ottawaquechee Regional Commission, VT. Project Manager for a program offering technical assistance to a 30-town region on land use planning, zoning, capital budgeting and planning policy. The comprehensive program includes municipal training, education, facilitation and outreach.

Municipal Planning Program, Two Rivers-Ottawaquechee Regional Commission, VT. Project Manager and Lead Author for municipal plans, land use regulations and public policy documents.

Bethel Unified Bylaw	Bethel Town Plan	Bradford Town Plan
Braintree Unified Bylaw	Hancock Town Plan	Stockbridge Town Plan
Braintree Town Plan	Pittsfield Town Plan	Stafford Town Plan
Brookfield Town Plan	Rochester Town Plan	Stafford Zoning Ordinance
Chelsea Flood Hazard Bylaw	Rochester Subdivision Regulations	Topsham Town Plan
Chelsea Zoning Bylaw	Rochester Zoning Ordinance	Vershire Town Plan
Chelsea Town Plan	Royalton Town Plan	
Fairlee Town Plan	Tunbridge Agricultural Plan	
Granville Town Plan	Tunbridge Town Plan	

Addison County Regional Transportation Plan, Addison County Regional Planning Commission. Senior Land Use Planner for a project that focused on revising the Regional Planning Commission's Transportation Plan to meet the challenges presented by changing demographics, climate and water quality policies and complex municipal transportation issues in a 21-town region. Developed planning policy and actions that will allow the Regional Commission to encourage sustainability, resiliency, asset management, multi-modal transportation and reduce greenhouse gas emissions over the life of the plan. Analyzed information provided by stakeholders to ensure that regionally significant municipal issues were adequately addressed.



EDUCATION

M. Landscape Architecture, University of Manitoba, Canada, 2003

B.A. Hons. Comparative Development Studies & Environmental Resource Management Studies, Trent University, Canada, 1998

REGISTRATIONS

Professional Landscape Architect License No : 125.0133712

American Society of Landscape Architects, Full Member
USGBC LEED v. 2.2 Accredited Professional
Construction Document Technology (CDT)
(Construction Specifications Institute) Certified

Ms. Sauv  is an accomplished landscape architect and community designer with 11 years of experience in private practices and public agencies throughout North America. While her passion is in developing more walkable and bikeable communities, she has collaborated on projects of scales varying from regional plans and new community developments, to landscape designs for resorts and streetscape revitalizations. Sophie previously worked with an award-winning community planning and landscape architecture firm in Arizona and New Mexico, where she developed community plans, streetscape designs, construction documents, and design guidelines for master planned communities, local municipalities and private developers.

Vermont Green Streets Guide. Landscape Planner as part of a consultant team working with an interagency group led by the VT Urban and Community Forestry Program (FPR) to identify the needs of Vermonters when it comes to applying 'green' principles to streetscapes and parking lots. Combining examples of Green Streets in Vermont with practical steps to implementation and maintenance of green infrastructure in our unique climate into an accessible manual and training materials. Providing case study research and documentation, project support.

Great Streets BTV, Burlington, VT. Project Assistant for a City initiative to envision downtown Burlington's streets as economically vibrant, walkable, and sustainable thoroughfares, and incorporating the redesign of City Hall Park. The project includes establishing new design standards for the downtown and developing a concept plan for Main Street from South Union to Battery Street and two blocks of St Paul Street, including changes in parking, protected bicycle lanes, curb extensions and placemaking components. Future phases of the project include developing construction documents for the street reconstructions and City Hall Park.

Killington Road Complete Streets Study, Killington, VT. Landscape Planner/Designer for a consultant team to study improving multimodal connectivity extending 6,000 LF down Killington Road from Killington Resort to Weathervane Road. The study explores streetscape improvements that will encourage enjoyable and safe travel by all users along the corridor. Funding for this project is administered through the VTrans Municipal Assistance Bureau and the project follows the process outlined in the VTrans Guidebook for Municipally Managed Projects.

Caring for the Canopy, Winooski, VT. District Manager overseeing work on a Caring for the Canopies Grant from the Vermont Department of Forests, Parks and Recreation for two consecutive years in Winooski. As the most densely populated city in Vermont, Winooski is quantifying the urban forest and contribution of the existing urban forest to carbon storage and stormwater absorption to understand the makeup and function of the existing urban forests and help create a tree program that maximizes the benefits provided by trees in an urban environment.

Middlebury Traffic Calming Study, Addison County Regional Planning Commission, Middlebury, VT.

Landscape Planner for a traffic calming study of an increasingly used urban residential street and neighborhood area. Completed the study on an accelerated schedule; the study evaluated vehicular speeds, levels of use by pedestrians and cyclists, and potential measures to encourage walking and biking and reduce vehicle speeds through the area. The study area serves as a link between a college campus and Middlebury's downtown retail area. Completed visualizations of project sections using SketchUp. Prepared meeting poster and postcard invitations.

Streetscape Improvements, US 7, Milton, VT. Landscape Planner for the design of sidewalks and streetscape improvements intended to encourage walking and economic development within the commercial district of Milton along several local roads and a US highway. The ongoing \$2.4M project is funded by local TIF funding. Completed the base drawing serving this ongoing project.

Multimodal Transit & Welcome Center, City of Montpelier, VT. Landscape Planner for a transit and welcome center located to the north of Taylor Street in downtown. The Transit and Welcome Center is planned to support public bus operations and include a State of Vermont Visitors Center, traveler and parking accommodations, green space, and residential units. Completed conceptual plans for the site.

Bicycle and Pedestrian Scoping Study, St. Johnsbury, VT. Landscape Planner for a study that identifies safe, feasible, and affordable improvements at the intersection of US Route 5/South Main Street/Alt US Route 5. This busy intersection is a safety concern for pedestrian and cyclist traffic. Prepared graphic illustrations, including Sketchup model, plan, sections, and photosimulations.

EDUCATION

B.S., Civil Engineering, University of Vermont, 1997
Studies toward M.S., Civil Engineering, University of Vermont

REGISTRATIONS/CERTIFICATIONS

Professional Engineer: VI 8096
Professional Engineer: NH 12905
Professional Engineer: NJ 24GE05172200
Structural Engineer: IL 81007009
LEED Accredited Professional
NCEES: 29972
SECB: Structural Engineering Certification Board
NCEES: Model Law Structural Engineer
OSHA 10-Hour Training Course
Permit-Required Confined Space

Mr. Dall is a licensed professional engineer with 20 years of experience as a structural engineer. His experience includes design and investigation of various building materials including steel, concrete, precast concrete plank, masonry, and timber. Project experience includes new building construction, retrofit of existing building, pedestrian bridges, and other structures of various materials and degrees of complexity. He is responsible for project management, structural design, and production of contract documents using CADD and Building Information Modeling (BIM) platforms.

Town Garage, Chelsea, VT. Senior Structural Engineer for study through construction phase engineering services for a \$900,000 town garage. The Town of Chelsea had outgrown the existing 20-year-old facility and after a 4-year planning process, elected to fund the construction and design of a new site and structure in western Chelsea. Firm services included geotechnical design, coordination with an architect, the Town of Chelsea, and boring contractor; design of mezzanine and site foundation for a 7,000 SF pre-engineered steel structure, warm air furnace, and propane fired heaters, lighting, and emergency generator for a fire pump.

Multiple Projects, Essex Town School District, Essex, VT. Project Manager/Engineer of Record for multiple small projects at the Essex Town School District. Select project include:

- **Founders Memorial School:** roof eave blocking attachment.
- **Essex Middle School:** cafeteria fans, solar panels, roof replacement.

Windsor County Municipal Building, Windsor County, Woodstock, VT. Project Manager/Engineer of Record responsible for the investigation, report and design of remedial measures at the existing Windsor County Municipal Building. Investigation and report prepared for owner's long-term capital improvement planning. Second floor structure reinforced to provide additional file storage capacity to accommodate Court consolidation.

Student Center and Residential Hall, St. Michael's College, Colchester, VT. Senior Structural Engineer for design of a new Student Center and Residential Hall, four-story structures with a connecting link. This \$28 million project consisted of 87,000-sf of floor area. The residential hall is constructed of hollow core concrete plank supported by structural steel framing with lateral bracing and a spread footing foundation system; roof framing is cold-formed steel trusses housing a mechanical attic space. The Student Center is constructed of composite steel beams, lateral moment frames, and spread footing foundations. Buildings include intricate stair and elevator connections to four adjacent dormitories. The project received a ACEC Grand Award for Engineering Excellence.

Williston Fire Facility, Williston, VT. Engineer of Record for new 22,000-sf station constructed of wood framing and load bearing masonry walls with steel joints. The building was seismically classified as an essential facility with a seismic design category of D. The lateral system made use of wood and masonry shear walls.

Randolph Wastewater Treatment Facility Upgrade, Randolph, VT. Structural Engineer for design of an \$8.5 million comprehensive upgrade of the 40-year-old wastewater treatment facility that serves the Town of Randolph. A new sequencing batch reactor (SBR) will provide operational flexibility in the face of pending nutrient removal requirements in the Connecticut River drainage basin. The project includes new headworks, fine screen, grit removal, SBR, chlorine disinfection/dechlorination, aerated sludge storage, and centrifuge dewatering. Using a holistic and integrated design approach, opportunities were maximized to incorporate energy conservation and renewable energy features into the upgraded facility, while minimizing ongoing operational and maintenance costs.

EDUCATION

M.B.A., Business Administration, State University of New York, 2000

B.S., Civil Engineering, University of Vermont, 1990

REGISTRATIONS

Civil Engineer: VT 8455

Civil Engineer: MA 52736

Civil Engineer: NH 13257

Civil Engineer: NY 74591

Mr. Baker's 26 years of experience includes planning, analysis, and design of structural systems and management of projects involving multidisciplinary design teams. His professional experience extends from structural design for concrete foundations, to wood and steel vertical framing, and roofing systems, to civil retaining structures and pile foundations. His services during the construction phase of projects includes administration and resident engineering. As a consulting engineer he has worked on design teams for a variety of commercial, educational, municipal, transportation, healthcare, industrial, and housing projects.

Jeremy Russo Farm Waste Storage Tank. Structural Engineer on the design/analysis and detailing of a 95' diameter, 86,000 gallon concrete circular storage facility. The design incorporated a notched wall for an access ramp into the tank.

US Fish & Wildlife Service Retainer Contract for Civil and Environmental Services, Region 5 (13 states). Structural Engineer as part of team to provide structural analysis and rehabilitation design for Dwight D. Eisenhower Fish Hatchery. Provided structural analysis, rehabilitation design, and construction phase services for an elevated concrete floor in a hatchery building.

Huntington Falls Hydroelectric Station, Weybridge, VT. Structural Engineer for a hydro facility power upgrade project. Upgrades included new headworks structure with re-designed trash racks and sluice gate for the three turbine facility.

Underground Water Storage Tank, Jay Peak, VT. Structural Manager/Engineer for the design of a 36,000 gallon concrete underground potable water storage tank. Provided design and coordination and observation during construction.

Salt Storage Building, Town of Huntington, VT. Manager of structural services and engineer for the design of a municipal timber salt storage building. The design included concrete foundation/push-walls. (\$12K)

Pile Foundations, City of Albany, NY. Structural Engineer for a design team developing the design of a stream crossing to carry utility piping. Responsible for the design of pile foundation bridge abutments for a bridge structure capable of carrying 36" & 48" diameter water supply conduits. (1995/1995) (\$20K)

Seawall Structures, Lake Champlain, VT. Provided structural engineering services for the design of cast-in-place seawalls to function as erosion control structures to protect a section of shoreline from erosion. Also provided resident engineer services for the project.

Foundation Design, University of Vermont, Burlington, VT. Structural engineering services for the design of a foundation for the relocation of the historic Johnson House.

Senior Housing and Community Building, Rome, NY. Structural engineering services for the design of six new single story townhouse units developed for senior housing and design of a 6,500 sf multi-use community center. Provided foundation and vertical design.

Steel Framing Design, Champlain Valley, Union High School, Hinesburg, VT. Design of steel framed two-story classroom addition wing.

Gymnasium Addition Design, Champlain Valley Union High School, Hinesburg, VT. Structural engineering for the design of a full size gymnasium addition for the Champlain Valley Union High School. The project included the addition of a new wood chip heating system and basement mechanical space for housing the wood chip boiler. Structural engineering services included the design of the foundation for new smoke stacks. (\$15K)

Roof Renovations, Thetford and Waterford Schools, VT. Working as part of an architect's team, provided structural engineering services for renovations of the roofing system for the Thetford Elementary School and designed modifications to roof trusses at the Waterford Elementary School gymnasium.

EDUCATION

A.S., Architectural and Building Eng,
Vermont Technical College, 1973

REGISTRATIONS

Civil Engineer: ME 6808

Civil Engineer: VT 6534

Certified Site Technician: VT 169

Subsurface System Disposal Designer: NH 0819

Certified Plumbing Engineer

Mr. Benson has over 40 years of experience in the design, management, and budgetary responsibility for projects involving land development, transportation, utility, site engineering, and environmental permitting. His experience encompasses civil/site engineering; architectural; mechanical/electrical design; energy conservation; and federal, state, and local environmental permitting throughout northern New England.

John's project experience encompasses feasibility studies, economic analyses, hydraulic capacity studies, site and soil investigations, evaluation of wastewater treatment methods, process design, pump stations, and design and construction inspection/administration. His responsibilities include preparation of permits and compliance with Agency of Natural Resources, Army Corps of Engineers, and the District Environmental Commission Permits/Program

Stephen A Bean Municipal Airport, Rangeley, ME. Principal-in-Charge/Permitting Specialist for capital improvements planning (CIP), technical, environmental, and regulatory issues under a multi-year contract at Rangeley's municipal airport. Responsibilities natural resource assessment and support of environmental documentation.

Craig Brook Fish Hatchery Project, US Fish and Wildlife Service, East Orland, ME. Environmental Planner and Civil Engineer for \$6.5-million expansion for country's oldest Salmon Hatchery. Responsible for analysis of environmental consequences, report preparation, and permitting services; wetland boundaries. Assisted in preparation of an Environmental Assessment. Assisted in obtaining MDEP Natural Resource Protection Act Permit, US Army Corps of Engineers Section 404 Permit, MDEP Lake Discharge Permit, and local and state plan review.

Madawaska Site Redevelopment, Performa, Inc., Madawaska, ME. Environmental and Permitting Specialist for site redevelopment project. Services included environmental review of 12.9 acres of existing developed and undeveloped land. Identified all permitting requirements and performed resource reviews.

Sunday River Ski Resort, ME. Team member for development of a wastewater treatment facility for ski resort.

Biddeford Pool Wastewater Treatment Facility, Biddeford, ME. Design and construction services for community wastewater treatment facility.

New Hampshire Army National Guard A/E Services Retainer Contract, Various Locations, NH. Contract/Project Manager for retainer contract to provide civil/site, environmental, master planning, and survey services associated with a range of projects at facilities statewide.

General Environmental Services Retainer Contract, VTrans. Project Manager for four consecutive three-year contracts for environmental services including assessment, identification, documentation, and mitigation of environmental impacts from transportation related actions. Contract encompasses: NEPA documentation; environmental assessment and constraint analysis; federal, state, and local permitting; Act 250; landscape design; stream alteration/natural stream channel design; visual impact assessments; wetland delineation and mitigation; and stormwater management, design, and permitting (construction and operational).

Aviation Retainer Contract, VTrans, Statewide, VT. Contract Manager/Principal-In-Charge of successive multi-year retainer contracts with VTrans to provide professional services for statewide airport improvement projects. Projects have included runway reconstruction, statewide paving program, environmental services, permitting, and construction phase services.

- **Plans and Underdrain Study, 9 State Airports, Statewide, VT.** Project Manager/Quality Assurance Reviewer for on-site reconnaissance and review of existing plans and mapping documents to determine the function and capabilities of surface and subsurface drainage systems for each of the State airports. For some airports, historical records of drainage structures and systems were not available, so additional field review and coordination was needed to map these features. The project included close coordination with VTrans to assess these features and to complete Drainage Plans for each. The firm used ArcGIS software to create site plans showing drainage features and stormwater discharge locations. Managed day-to-day project development and provided quality assurance review of deliverables.

EDUCATION

M.S., Botany, Field Naturalist Program,
University of Vermont, 1988
B.S., Biology, Smith College, 1978

CERTIFICATIONS

Certified Wetlands Scientist: NH 244

Ms. Brodie is an interdisciplinary field scientist trained in environmental evaluation, interpretation, and monitoring. As a naturalist, she integrates information on the biotic and abiotic components of ecosystems for site descriptions, inventories, criterion-based evaluations, and impact evaluations. Her training and experience incorporate geology and geomorphology, soils chemistry, botany, vertebrate and invertebrate zoology, and hydrology. She specializes in wetlands analysis and has a thorough knowledge of state and federal regulations pertaining to wetlands and other waters of the United States. The quality of her work has been recognized by the US Environmental Protection Agency, which requested her services for a northwestern Vermont project aimed at early identification and protection of wetlands in areas subject to heavy development pressure.

U.S. Border Station Facility, General Services Administration, Madawaska, ME. Wetland Scientist and Field Naturalist for site redevelopment project. Services included environmental review of 12.9 acres of existing developed and undeveloped land. Environmental tasks included wetland delineation and evaluation, search for rare, threatened and endangered species, and documentation of vegetative cover types on the land.

Foxberry Subdivision, Kennebunk, ME. Wetland delineation.

Howard Hall, Storage Inn, Wells, ME. Wetland delineation.

Howard Hall, Norton Estates, York, ME. Search for threatened or endangered species, natural resources inventory.

Hardy Banfield Subdivision, Biddeford, ME. Wetland delineation.

Robert Mason, Log Cabin Road, Arundel, ME. Wetland delineation.

Turnbury Associates, T for Turn Road, Old Orchard Beach, ME. Wetland delineation.

Larry Dwight, Brown Street, Kennebunk, ME. Wetland evaluation for development of capability review.

Stephen A Bean Municipal Airport, Rangeley, ME. Wetland Scientist/Field Naturalist for capital improvements planning (CIP), technical, environmental, and regulatory issues under a multi-year contract at Rangeley's municipal airport. Responsibilities natural resource assessment and support of environmental documentation.

- **Runway Length Analysis and Technical Master Plan Update.** Wetland Scientist/Field Naturalist for planning, evaluation, concept design, and environmental resource analysis supporting an 1,100' runway extension and appurtenant improvements. The FAA found the airport to be out of compliance for its design aircraft. A principal user of the airport, LifeFlight, a nonprofit medical transport company regularly uses this type of aircraft to provide its services. Additional updates to the CIP include new terminal building, new aircraft maintenance facility, new hangars, apron improvements, perimeter fencing, snow removal equipment acquisition, and construction of a snow removal equipment building. Responsibilities included the assessment of natural resources during this planning phase. Typically a 1-year process, this service was performed in 3 months.
- **Environmental Assessment for Runway and Taxiway Extensions and Town Highway Relocation.** Wetland Scientist/Field Naturalist for preliminary design and environmental resource assessments and submitted NEPA EA documentation for construction of the following improvements: 1,100' runway extension, 1,100' taxiway extension, 400' relocation of Loon Lake Road, new terminal building, new aircraft maintenance facility, new hangars, and apron improvements. Responsibilities include environmental resource documentation and the research and completion of a study evaluating the proposed project's impacts to the Canada Lynx, a threatened species. Typically a 1-year process, the EA documentation was completed and submitted by in 4 months.
- **Runway and Taxiway Extension Design.** Wetland Scientist/Field Naturalist for design of a 1,100' runway extension, a 1,100' taxiway extension, and a 400' relocation of Loon Lake Road to bring the runway into compliance with current FAA requirements for the the airport's design aircraft. Responsibilities include research and completion of a study for Fish and Wildlife evaluating the proposed project's impacts to the Canada Lynx, a threatened species. Typically a 1-year process, the design is currently being developed in a 5-month timeframe.

EDUCATION

M.S., Hydrogeology, Clemson University, 1994
 B.A., Geology, Environmental Studies,
 Alfred University, 1993

REGISTRATIONS

Professional Engineer: VT 8929
 Professional Geologist: NH 388
 Certified Professional in Erosion and Sediment Control
 Certified Wastewater Site Technician Type B: VT 487
 Class IV Public Water System Operator: VT #2644
 Grade 2 Domestic Wastewater Operator: VT #1421
 OSHA 40-Hour HAZWOPER Certificate
 OSHA 8-Hour Supervisor Certificate

Mr. Hoak has 25 years of experience in environmental engineering, site development, land use planning and hydrogeologic consulting. He has prepared plans and supporting permit application materials for numerous on-site wastewater discharge permit applications and municipal sewer connections. Applications have included innovative wastewater disposal designs requiring extensive hydrogeologic investigations and groundwater modeling. Andy has extensive experience in the design and permitting of stormwater management controls. He has modeled sediment and nutrient loading to receiving streams and calculated resulting reductions due to engineering controls.

Groundwater Mounding Analysis, Taylor Street, Montpelier, VT. Completed a groundwater mounding analysis for a proposed infiltration system collecting stormwater flows from approximately 12,000 ft² of impervious surface. The analysis included an evaluation of the effects from the infiltration system in relation to nearby soil and groundwater contamination. The Vermont Stormwater Manual restricts the use of infiltrating practices at hotspot land uses that generate elevated concentrations of hydrocarbons, metals or other toxicants that are not typically found in stormwater runoff. The analysis determined that groundwater elevations would increase approximately 0.5 to 2 inches in the vicinity of the plume and would have minimal impact on contaminant fate and transport. VT DEC agreed with the findings of the analysis and determined that infiltrating chambers would be an acceptable stormwater treatment practice in this area.

Gilman Road Reconstruction Project, Royalton, VT. Senior Engineer/Quality Control Review for the realignment of Gilman Road and flood resilient channel protection on the White River. Tropical Storm Irene caused significant erosion at the toe of the 80-ft-tall road embankment, which forms the south bank of the river. The slope is composed of fine material, which continuously erodes, threatening the roadway. Identified road alignment and river stabilization alternatives, and developed design. The selected alternative involved armoring the lower portion of the river bank and moving the road away from the river. Responsible for quality control review of final design and construction drawings, and construction phase assistance.

Brownfields Redevelopment, Richford Economic Advancement Corporation, Richford, VT. Qualified Environmental Professional and Project Engineer to assist the Richford Economic Advancement Corporation (REAC) with an EPA-funded project to rehabilitate an underused downtown vacant site. The site contained contaminated urban fill that required removals and/or capping to convert the site into a healthy public space and overlook park of the Missisquoi River. Coordinated a competitive bid process to implement a Corrective Action Plan; oversaw contaminant issues and corrective actions; and provided engineering oversight and management of selected contractors for implementation of specifications for the overlook park, including site preparation and installation of retaining wall, slabs and foundations, guard rails, and landscaping. Developed accurate determination of the total volume of stockpiled, contaminated soil so that total project costs were controlled.

4 Central Street Oil Spill Investigation and Remediation, Randolph, VT. Project Manager to provide emergency response environmental services for a release of approximately 450 gallons of heating oil at a multi-unit residential property. Advanced multiple soil boils to determine the limits of contamination and presence of free-phase product. Six product recovery wells and an automated recovery pump were installed near the source location. Over 180 gallons of free phase product have been using a Spillbuster and a peristaltic pump. A soil vapor recovery system was also installed to aid in the destruction of vapor phase petroleum hydrocarbons in the unsaturated zone.

Hydraulic Analysis for Replacement Structure, Westford, MA. Water Resources Manager to provide oversight of the hydraulic modeling for the replacement of a MassDOT structure carrying Route 40 over Gilson Brook. Provided technical review of the hydraulic analysis, recommendations for alternative structures, and final report.

Site Investigation, Streetscape Improvement Project, St. Albans, VT. Environmental Engineer called to investigate several areas of contamination during construction. Due to the proximity of the sites to each other, detailed site investigations were performed to determine the limits of contamination and source location. Because areas of contamination were discovered in the vicinity of new or replacement water mains, use of Viton rubber gaskets and bentonite plugs was recommended to minimize the potential risk to the public drinking water system distribution system. Contaminated soils generated as part of the project were temporarily stockpiled at an off-site location for eventual disposal as Alternative Daily Cover (ADC) at a licensed landfill, while contaminated groundwater was pumped to a frac tank for temporary storage and treatment prior to disposal to the municipal wastewater facility.

EDUCATION

B.S., Civil Engineering Technology, Wentworth Institute of Technology, 2006

REGISTRATIONS

NHDOT LPA Certification (Part II)

Mr. Cantave has 10 years of experience in the design of transportation infrastructure. His experience includes high volume and low volume roadways; airports; sidewalks and multiuse pathways; component plans including right of way plans, erosion control plans, and signing and marking plans; quantity and cost estimates; and construction inspection services. Greg has experience with AutoCAD Civil 3D, MicroStation/InRoads, GEOPAK, GuidSIGN, HydroCAD, and AutoTURN. His work has followed the AASHTO design manual, MUTCD, NHDOT design standards, VTrans design standards, and FAA Advisory Circulars.

Road Diet Painted Pedestrian Facilities, Keene, NH. Civil Technician for one of the first residential road diet painted pedestrian projects in New Hampshire. The project site includes a collection of residential streets, which abut Jonathan Daniels Elementary School. The City of Keene received funding through the NHDOT SRTS program for design of pedestrian and traffic calming striping throughout the area roadways. The initial study phase included striping improvements to 14 town roads. This project was developed in accordance with the NHDOT Local Public Agency (LPA) manual.

I-293 Replacement/Rehabilitation of Bridges, Manchester, NH. CADD Technician responsible for development of roadway design contract plans, wetland impact plans, and quantities and estimates. Inspection and evaluation of the I-293 corridor near Exit 4 determined insufficient shoulders, substandard horizontal alignment along north and southbound travel lanes, and 5 structurally deficient bridges. Project included drainage analysis and design, coordination with the Bureau of Highway Design during project development to properly assess land or easements needed to construct and maintain the proposed project, and development of a layout alternative that meets operational requirements. The project included widening of the bridges, travel lanes, and shoulders, and an improved merging/diverging configuration at the Exit 4 interchange.

I-93 Reconstruction, Salem to Manchester, NH. CADD Technician for multiple contracts for design of the 19.8 mile segment of I-93 in southern New Hampshire from the Massachusetts state line in Salem, to the I-293 interchange in Manchester. Improvements include widening of the existing 2-lane section to 4 lanes of travel in each direction. Responsible for developing roadway quantities and estimates. (Not D&K)

NH Route 3A/Dunklee Road Intersection, Bow, NH. CADD Technician for design phase services to provide safe and efficient access from the Dunklee Road commercial/industrial area onto Route 3A. The improvements are needed to address difficult turning conditions for trucks and delays for traffic entering 3A from Dunklee Road. The selected alternative is a traffic signal and realignment of the Dunklee Road approach, and widening of NH Route 3A. The project includes signal design, stormwater, utilities, survey, and permitting. Responsible for preparation of base plans and development of preliminary plan design.

SRTS Pedestrian Enhancement Project, Claremont, NH. Design Technician for study, design, and construction oversight and inspection services for 1,500 lf of sidewalk in downtown Claremont. The City intends to increase student pedestrian travel to and from Bluff and Disnard schools and the immediate neighborhood. Project elements include installation of ADA tip-downs and detectable warning surfaces, and replacement of selected sections of sidewalk on Belding Street from North Street to Hanover Street and on the north side of Myrtle Street from Forest Street to Tyler Street. Services include preliminary and final design, attending meetings, and participating in construction and bid-phase activities. This Safe Routes to School project is being developed and implemented according to the guidelines listed in the NHDOT LPA Manual.

Aviation Retainer Contract, VTrans, Statewide, VT. Senior Airport Designer serving successive multi-year retainer contracts with VTrans to provide professional services for statewide airport improvement projects. Projects have included runway reconstruction, statewide paving program, environmental services, permitting, and construction phase services.

Traffic Calming, King Street Neighborhood, Burlington, VT. Design technician for conceptual level traffic calming design for a residential/commercial area seeing heavy traffic volumes. Assisted with design of aprons, bulbouts, bicycle lanes and chokers to control traffic and minimize pedestrian crossing distances.

EDUCATION

B.S. Civil Engineering
Minor in Architectural Studies
University of New Hampshire, 2015

REGISTRATIONS

Engineer-in-Training, NH: 6552
NHDOT LPA Certification: (Parts 1 & 2), cert. No: 1728

Ms. Bellisle is a civil engineer experienced in providing design for infrastructure projects for municipal, and state clients. Cameron has assisted in the evaluation, design, and construction phases of bridges, culverts, roadways, dams, and parking structures. She has served as Resident Project Representative performing construction administration and observation on bridge and dam projects. Cameron is proficient in the use of AutoCAD, AutoDesk Revit, and Microsoft Office.

Gold Street Utility Bridge, Laconia, NH. Design Engineer and Resident services for condition assessment, emergency design services, and construction phase services for the Gold Street Utility Bridge over the Lake Winnepesaukee Outlet in Laconia. The existing two span steel truss utility bridge, with a total span length of 140 feet, carries an active sewer line as well as an abandoned (de-activated) water and gas utilities across Paugus Bay. Provided emergency design services following the complete failure of the east span truss, to prevent complete collapse of the sewer line and discharge of raw sewage into Lake Winnepesaukee. Prepared report and shoring recommendations, and construction observation for the emergency rehabilitation.

Parking Garage, Laconia, NH. Design Engineer and Resident services for condition assessment, emergency design services, emergency construction services for the rehabilitation of an existing 120,000-sf, three-story mixed use parking garage with commercial spaces. The emergency rehabilitation design consisted of repairing concrete foundations, steel beams, steel columns, and sharing composite steel/concrete decking. RPR responsibilities included field observation, condition assessment, structural evaluation and development of recommendations. Provided part-time construction observation for steel repair work.

Dunklee Road Bridge, Bow, NH. Design Engineer responsible for the rehabilitation of an existing precast concrete rigid frame bridge including a roadway widening. The firm's design services included the evaluation and load rating of the existing rigid frame, design of the widened rigid frame section, design of modular block wingwalls and retaining walls, and design of footings for the rigid frame widening and modular block wingwalls. Completed a field visit, drafting, and checked estimates.

Lincoln Levee Repair, Lincoln, NH. Design Engineer and Resident Project Representative (RPR) for the rehabilitation design of a protection levee on the north bank of the Pemigewasset River. The levee suffered damage by Tropical Storm Irene. The rehabilitation design includes repairs to the Levee's embankments, raising the crest elevation, upgrading to current dam requirements, and coordination with state agencies. RPR duties include field observation of the levee and surrounding area; an evaluation of existing conditions; on-site construction observation, tracking quantities and costs, checking for conformance to plans and specifications, and coordinating field decisions. The construction phase of this project is ongoing.

Main Street Bridge, Laconia, NH. Alternate Resident Project Representative for rehabilitation of the Main Street Bridge. The bridge consists of three distinct bridge structures, and is the predominant access in and out of the City. Resident services for the \$3.4M Main Street Bridge rehabilitation project included periodic on-site construction observation, field reports, and produced record drawings in coordination with the Resident Engineer. Construction observation included earthwork and bridge rail inspection.

Riverwalk Stairway, Laconia, NH. Material Testing and Resident services for concrete stairway adjacent to the Main Street Bridge rehabilitation project. Responsible for field concrete testing and checking for conformance to plans and specifications. Provided part-time construction observation services for concrete work.

Birchdale Road Bridge, Bow, NH. Design Engineer. Firm services include evaluating and designing replacement and widening options for an existing 13' wide metal plate pipe arch in the NHDOT Municipal Bridge Aid Program. D&K evaluated the existing structure (which had failed) and coordinated with NHDHR, NHDES, and USACOE regulators, and provided alternatives for the replacement of the structure. The firm also completed a hydraulic and hydrologic study, surveying the bridge site, delineating potentially affected wetlands, and coordinating with abutting and affected property owners; the narrative study also include traffic management options during construction. The study/report recommended a 26-foot clear, precast concrete 3-sided rigid frame superstructure and wingwalls, supported on steel piles driven to ledge, as the preferred replacement structure. Provided preliminary opinion of probable cost for a temporary (detour) bridge.

EDUCATION

B.S. Civil Engineering
Drexel University, 2007

REGISTRATIONS

40-hour OSHA Construction Safety Certification
NHDOT LPA Certification: (Parts 1 & 2)

Mr. Lee is a civil designer with 8 years of experience providing design and drafting for road and railway projects including highway and track design, access roads, and related site design components. Kevin has assisted in the design and documentation of site layout and utilities for municipal, state, and private entities. He is proficient in the use of AutoCAD Civil 3D and MicroStation InRoads and InRail software packages.

Main Street Utilities Reconstruction, Claremont, NH. Civil Designer providing preliminary through final design of stormwater and utilities improvements associated with this reconstruction project as part of a Gateway to the City project, the City of Claremont is completing a full-depth roadway reconstruction project including water and sewer line upgrades, combined sewer overflow (CSO) mitigation, on-street parking revisions, retaining wall replacements, and traffic signing. Provided drafting and design.

Keating-Birchwood Area Reconstruction, Dover, NH. Civil Designer for the design of 4,500 feet of utilities and road reconstruction in a residential area. This project entails transportation design, survey, water, sewer, stormwater, and drainage design, public outreach programs, and associated permitting. Design elements incorporate Complete Streets multimodal transportation design measures and the integration of Low Impact Design (LID) stormwater infiltration and treatment facilities.

Steam Conversion Project, State of NH Department of Administrative Services; Division of Public Works, Concord, NH. Civil Designer for the design of 1700 LF of buried high pressure steam piping in Downtown Concord NH, serving the New Hampshire State House, State House Annex and State Library Buildings. Designed intricate system of underground insulated stainless steel piping and precast concrete access vaults for high pressure steam delivery to NH State buildings from new steam generation plant. Developed solutions for custom shallow utility crossings and managed utility investigations and conflict resolutions.

Lakes Region Business Park, Laconia, NH. Civil Designer for the design and permitting in support of a trail network and a pedestrian bridge within a heavily vegetated section of an existing commercial area. Service includes attendance of meetings and site visits, and design services.

Lakeside Pump Station, Laconia, NH. Civil Designer design of improvements for an existing pump station, which includes a new manhole for grinder unit, and electrical upgrades and generator replacement. The next phase includes replacing pumping equipment and piping in the station.

North Main Street Sewer Design, Laconia, NH. Civil Engineer for the final design of sewer re-alignment, development of construction details and specifications. Existing sewer was very shallow in an area with poor hydraulics. Proposed design alignment was deeper, eliminating existing conflicts with other existing utilities and improving future capacity and performance.

Dells Pond Dam Reconstruction, Littleton, NH. Designer for civil and structural design and permitting assistance for rehabilitation of a high hazard, circa-1935, 125-ft long by 20-ft high earth stone dam. Firm services included completion of contract plans for improvements, and attendance of design/coordination meetings with the Town.

Village Common Covered Bridge, Wentworth, NH. Civil Designer for the inspection, transportation, and rehabilitation of a covered recreation bridge with a 6-ton capacity. The project included transporting the bridge from the Wayfarer Inn in Bedford, NH to Wentworth, and adaptation of the bridge and abutments for service to pedestrians, cyclists, nordic skiers, and snowmobile traffic.

EDUCATION

B.S., Civil and Environmental Engineering,
Utah State University, 1984

A.A.S., Ecology & Environmental Technology,
Paul Smith's College, 1981

REGISTRATIONS

Civil Engineering: VT 5797

Mr. Goodling is a Senior Engineer with 31 years of evaluation, design, and construction experience for state and municipal infrastructure projects. A Senior Project Manager and Vice President at DuBois & King, Chuck's responsibilities include client and community liaison, quality control, cost estimating, and scheduling. Chuck is in responsible charge of the firm's Construction Services and Public Works Departments. Chuck has served as Manager of Construction Phase Services for significant site development and utility projects and for complex, multimillion dollar, long-term roadway reconstruction projects.

Road Reconstruction and Utility Improvements, Mill Street Pump Station, Claremont, NH. Project Manager for a two-consultant team to accomplish this \$2.4M road and utility reconstruction project. Project included approximately 1,500 lf of new 18-inch sewer, which will result in a significant long-term improvement to the City wastewater collection system configuration by routing wastewater flows from the core downtown area out of an outdated, hydraulically undersized, and dangerous to maintain interceptor sewer immediately adjacent to/in the Sugar River.

Utility Improvements and Roadway Relocation, Henry Law Avenue (Phase I), Dover, NH. Project Manager to accomplish survey, right-of-way delineation, final design, and preparation of Contract Documents for this 3,300-ft street and infrastructure upgrade and replacement project. This project encompassed full-depth street reconstruction and geometric design, new sidewalks/curbs, design of a new stormwater collection system, and wetland delineation at existing outfall points. Participated in two neighborhood meetings to describe the project and gain community support.

Downtown Main Street Revitalization, Randolph, VT. Design and inspection services for improvements to bring aging municipal utilities (water, sewer, and stormwater) into conformance with current design standards, improve water distribution and wastewater collection system integrity, and enhance the hydraulics of the water distribution and fire protection systems. Project included replacement of all service lines within roadway right of way. Project initiated after three major fires destroyed large portion of business district.

Project Manager, Construction Observation Services, VTrans, Statewide, VT. Project Manager for ongoing retainer contract with VTrans to provide consultant Construction Observation services. Chuck is the point of contact for the District Engineers for assignments under this retainer contract. He allocates and assigns inspectors for VTrans projects and provides management review of projects and inspectors.

Engineering Assessment of Wastewater Treatment Technologies, Craig Brook National Fish Hatchery, East Orland, ME. Project Manager for an engineering assessment of wastewater treatment technologies at the Craig Brook National Fish Hatchery, a federal fish hatchery operated by the US Fish and Wildlife Service. The facility has a discharge permit issued by the Maine Department of Environmental Protection (DEP) for discharge of a monthly average of 3.5 MGD of fish rearing and hatchery wastewater. The permit limits the total phosphorus discharge to 0.02 mg/l. The facility has had numerous violations of this limit. Scope of services included a desktop review of the facility, previous studies, and current permits, conducting a site visit to review existing conditions and discuss day-to-day operations with operational staff, and a review of available technologies to bring the facility into compliance with discharge limits. The report includes a narrative describing existing conditions, influent water quality, identification and screening of available phosphorous removal treatment technologies, conceptual-level construction cost estimates, and a ranking of the preferred technologies.

Construction Phase Services, US Route 7 Segment 6, Brandon, VT. Principal-in-Charge for full time construction administration and observation services on a major roadway improvement project in the heart of downtown Brandon. The project includes reconstruction of more than a mile-long section of US Route 7 roadway, all associated intersections and two parks. D&K is providing four full-time construction inspectors to support the improvements. The project was developed through the Municipal Assistance Bureau (MAB) Section of VTrans.

Altaria Third Party Inspection, Lebanon, NH. Manager, Construction Phase Services for Inspection and advisory/administrative services, and Construction Observation services on behalf of the City of Lebanon for construction of the Altaria project, an 8-lot Industrial Planned Unit Development (IND-PUD). Full-time third party inspection for a 26-week construction project including inspection services for water and sewer infrastructure, pump station, sidewalks, access roadways, erosion control, and drainage.

EDUCATION

A.S., Survey and Applied Science,
Paul Smith's College of Arts and Sciences, 2002

REGISTRATIONS

Land Surveyor: VT 60852
OSHA 40-Hour HAZWOPER Certification
Drone License Prep Courses, Norwich University 2017

Mr. Otis is a licensed land surveyor and senior party chief with 15 years of experience in boundary and topographic surveying. The head of DuBois & King's Survey Department, Randy has performed survey services for municipal, state, private, and public clients throughout New England and New York. His specific experience includes performing topographic and boundary surveys, right of way determination, monumentation, stakeout, boundary research and plats, and deed preparation and research.

Great Streets BTV, Burlington, VT. Survey Party Chief for existing conditions of roadway, pedestrian facilities, and utilities supporting the redesign of City Hall Park and two blocks of Main Street/US 2 in downtown Burlington. Completed a detailed survey of the sidewalks, roadways, paint markings, building party walls, utilities, tree type and size. Record documents were compared with existing utilities to establish locations that could not be built on, as well as establish both private/public boundaries.

US Fish & Wildlife Service On-call Contract for Civil and Environmental Services, Various Locations, Northeastern US. Survey Party Chief to establish base survey control benchmarks for the monitoring of SMIA (Salt Marsh Integrity Assessment) sites. Identified existing and established new geodetic survey benchmarks that are defined by the same relative elevation datum. The benchmarks were established at 10 national wildlife refuges in the states of Virginia, New Jersey, Connecticut, Rhode Island, Massachusetts, and Maine. The information was collected and indexed such that field recovery of the points would be performed in an efficient manner. Visited sites to the new geodetic survey point locations. Fine tuning of the locations was made based on GPS observation criteria and Second Order Class 2 leveling requirements.

USDA Natural Resources Conservation Service, Nationwide Dam Contract.

IDIQ to provide survey services as a subconsultant for a nationwide dam contract for NRCS. Assignments include:

- **Wiscasset, ME.** Boundary survey of 20-acre existing pond and 3 miles of streambed for wetland reserve program.
- **Madawaska, ME.** Boundary survey of 10-acre pond and flood zone for wetland preservation.

General Services Administration, Border Station Improvements, Madawaska, ME. Surveying services for a \$35 million new land port of entry facility. D&K is engaged as a member of the design team for a new border station. This GSA project involves the replacement and reconstruction of the existing undersized and functionally obsolete border station. Responsible for boundary-taking ALTA/ACSM surveys for entire complex.

Runway and Taxiway Extension, Stephen A. Bean Municipal Airfield, Rangeley, ME. Managed and provided topographic survey for for 1,100' runway and taxiway extension to accommodate aircraft from Lifelight, a nonprofit medical flight service. Improvements also include hangars and apron expansions. Assisted in locating ground elevations in a densely forested area.

Right-Of-Way and Boundary Services, Vermont Agency of Transportation, Various Locations, VT. Project Manager for successive on-call contracts to provide a range of right-of-way and boundary survey services for the inventory of VTrans real property throughout the State. Delivery of services conform to VTrans standards and guidelines and rules of the Vermont Board of Land Surveyors.

A/E Services for Planning, Design, & Implementing Conservation Practices, USDA Natural Resources Conservation Service, Vermont and New Hampshire. Survey Party Crew Chief for multi-year contract to provide A/E engineering services for the planning, design and implementation of various conservation practices in Vermont. Performed field topographic and bathymetric survey, boundary survey, and base map preparation on parcels ranging from one to three acres. Followed NRCS Survey Standards and guidelines established under the Wetland Reserve Program (WRP) and EQIP Program.

Job Corps Center, US Department of Labor, Manchester, NH. Survey services for new \$35M campus for Department of Labor training center. Project entails site design for multiple building facilities totaling 145,000 sf. Performed 1-ft contours on a steep 20-acre wooded site.

EDUCATION

Master of Science, Civil
Engineering – Structural
Focus, Northeastern
University, 2000

Bachelor of Science, Civil
Engineering, University of
New Hampshire, 1996

REGISTRATIONS**Professional Engineer**

Connecticut, US
No. pen.0025826

Massachusetts, US
No. 45408

Maine, US
No. 10603

New Hampshire, US
No. 10551

Pennsylvania, US
No. PE079276

Rhode Island, US
No. 8682

Vermont, US
018.8973

OFFICE LOCATION

New England

HDR TENURE:

<1 Year

INDUSTRY TENURE:

22 Years

Jason Gallant, PE**Principal in Charge****RELEVANT EXPERIENCE****NON-HDR EXPERIENCE****Town of Concord, Cambridge Turnpike, Concord, MA**

Senior Structural Engineer and QA/QC reviewer for the planning, design, and permitting of a 7,000 linear foot arterial roadway corridor reconstruction project that included a new 40-foot span precast concrete superstructure bridge on piles, two new large culvert structures, over 3,000 linear feet of retaining walls, and development of performance specifications for over 65,000 square feet of rigid inclusion deep ground improvements.

Role: Senior Structural Engineer and QA/QC reviewer

Maine Dept. of Transportation, Bridge Inspection and Ratings, Maine Statewide

Project Manager and Engineer of Record for multiple assignments of inspection and rating of state owned bridges for MaineDOT. The work over five years included inspection of 44 minor spans, and inspection and rating of 22 steel girder bridges and 31 concrete bridges.

Role: Project Manager and Engineer of Record

City of Concord, Bridge Rehabilitation, Concord, NH

Project Manager and Engineer of Record for design and construction phase services of superstructure rehabilitation for the existing municipal bridge that carries Village Street over the Contoocook River in the Penacook Village of Concord. The bridge preservation project is part of a comprehensive utility and streetscape improvement project. Improvements include deck evaluation and repairs, evaluation of the bridge bearings, expansion joint replacement, addition of bridge lighting, and addition of under bridge utilities.

Role: Project Manager and Engineer of Record

Town of Salem, Bridge Repair and Bridge Replacement Program,

Salem, NH

Project Manager for the Town of Salem under the NHDOT Municipally Managed Project Program. The project involved design and construction of multiple interconnected culvert structures within the environmentally challenging Spicket River and Policy Brook watersheds. The phased contract included interim repairs at three structures and the full replacement of six structures over a five-year period.

Role: Project Manager and Engineer of Record

City of Portland, Redevelopment of the Maine State Pier and Proposed Megaberth Construction, Portland, ME

Project Manager for the negotiations with Developer The Olympia Companies for Curtis-Thaxter on behalf of the City of Portland. Services under this project included technical oversight of Developer concepts and cost estimates, development of conceptual construction alternatives, development of performance specifications for each facility, and presentations to City council for the proposed rehabilitation of the Maine State Pier and construction of a megaberth for cruise ships up to 1400' in length at the Ocean Gateway terminal in Portland's Old Port.

Role: Project Manager

EDUCATION

BS Civil Engineering,
University of Maine,
Orono, 2008

REGISTRATIONS

Professional Engineer

Massachusetts, US
No. 53500

Maine, US
No. 14001

New Hampshire, US
No. 14446

Vermont, US
018.109976

OFFICE LOCATION

Manchester, NH

HDR TENURE:

<1 Year

INDUSTRY TENURE:

10 Years

Nicholas Caron, PE

Structures - Design, Rehabilitation, Inspection

RELEVANT EXPERIENCE

NON-HDR EXPERIENCE

General Engineering, Manchester-by-the-Sea, MA

Project Manager/Senior Project Engineer for multiple projects throughout the town. Projects included the load rating and rehabilitation of a timber pier in a tidal zone, life cycle cost analysis of a pedestrian bridge to aid in determining rehabilitation or removal of the structure, managing project bidding, and resolving contractor claims during construction.

Role: Project Manager/Senior Project Engineer

Town of Concord, Cambridge Turnpike, Concord, MA

Senior Project Engineer for the design of a 40' single span precast concrete deck beam bridge and two precast concrete culverts with cast-in-place wingwalls. Responsibilities included assigning and managing engineering tasks among junior engineers, coordinating with design sub-consultants, developing contract plans, estimates, and specifications.

Role: Senior Project Engineer

MaineDOT, Bridge Load Ratings, Maine Statewide

Structural Engineer for the as-built load rating of 38 steel superstructure bridges throughout the state of Maine for MaineDOT. All ratings were performed in accordance with the AASHTO Manual for Bridge Evaluation using Load and Resistance Factor Rating (LRFR) methodology.

Role: Structural Engineer

Court Street over the Little River, Exeter, NH

Project Manager/Senior Project Engineer providing construction administration support and construction inspection services for a 57' precast concrete box beam structure, drainage improvements, utility relocation, and 550 feet of roadway reconstruction.

Role: Project Manager/Senior Project Engineer

Town of Salem, Bridge Repair and Bridge Replacement Program, Salem, NH

Structural Engineer responsible for design, construction administration, and inspection of bridge and retaining wall structures for the Town of Salem under the NHDOT Municipally Managed Project Program.

Role: Structural Engineer

Town of Kingston, North Road Culvert Replacement, Kingston, NH

Project Engineer providing construction administration support and construction inspection services for a precast concrete box culvert and 600 feet of roadway reconstruction.

Role: Project Engineer

NHDOT, I-93 Widening – Southern Segment, Salem & Windham, NH

Structural Engineer responsible for Type, Span & Location through Final Design of four bridge structures in the southern segment of the widening of Interstate 93. All of these structures are supported by MSE-wrapped, pile-supported stub abutments, and the curved bridges were designed in accordance with the AASHTO LRFD Bridge Design Specifications.

Role: Structural Engineer

EDUCATION

Master of Science,
Mechanical Engineering,
Clarkson University, 1974

Bachelor of Science, Civil
Engineering, Clarkson
University, 1972

REGISTRATIONS

Professional Engineer
New Jersey, US
No. 24GE04283500

OFFICE LOCATION

Newark, New Jersey

INDUSTRY TENURE:

44 Years

Peter Davis, PE

Mechanical Engineer - Design, Rehabilitation, Inspection

RELEVANT EXPERIENCE

VTrans, N Hero Grande Isle Bridge, N Hero VT. Mr. Davis is the project manager for the scope development, replacement design, construction support and development of an electronic bridge management system. The first phase of the project included, inspection of the existing facility, preparation of the bridge scoping report which included 4f and 106 investigations, public outreach and development of options to meet the purpose and needs statement. This FHWA funded project is utilizing the CMGC delivery method. Mr. Davis is leading the design team in cooperation with the CM contractor. A new twin leaf bascule bridge with an adjusted profile has been selected. Due to the extensive detour route, the bridge will remain open to roadway traffic during the staged construction. The bridge management system is based upon the ARCGIS platform which maintains a database of all bridge system components, their condition, maintenance needs and product information. A work order system is connected to the database produces monthly work orders for both maintenance and NBIS inspection tasks. Construction commences in 2018; ongoing.

Virginia DOT, Moveable Bridge On-Call Contract, Various Locations, VA. Project Senior Mechanical Engineer/Constructability Specialist. Mr. Davis is responsible for the technical leadership and quality assurance for this project. HDR has held this contract for the past four three years cycles and is responsible for VDOT's 13 movable bridges. The bridges include vertical lift, swing and bascule designs. These responsibilities included responding to emergencies (operational failures), conducting field inspections, preparing rehabilitation scoping reports, permitting package preparation, rehabilitation designs/contract document preparation, maintenance planning and providing contractor oversight during construction. This project has included over 90 task orders including development of a 50 year capital plan for the Benjamin Harrison Bridge. This structure is 50 years old and in need of a significant rehabilitation. HDR performed an assessment of structural, mechanical, electrical and architectural components, developed expected capital program requirements over the planning period and performed an analysis of replacement structure options to allow VDOT to assess the most economical use of funds. (2001 – ongoing)

NJ TRANSIT, Bridge and Railway Engineering Task Order Contract, NJ. Mr. Davis is the project Manager for this contract over the past four three year cycles. The work has included assessment/inspection of condition, repair design and support during construction for 8 movable and 3 fixed structures. HDR is working with NJ Transit to develop design standards for movable structures such that life cycle/maintenance costs can be reduced through equipment standardization. In addition, HDR is developing resilient designs for the movable structures along the Coast Line which were damaged during Sandy including the Raritan River Bridge. HDR was tasked with developing a mechanical/electrical rehabilitation for minimal cost and maximum resiliency (2006 – on going)

MTA B&T, Task 78X, New York, NY. Mr. Davis is a technical advisor for the development of asset hierarchies for all of the agency support facilities. The project includes development of asset hierarchies to allow management to develop capital management plans, maintenance supervisors to schedule repairs, and to identify component failure rates and costs. HDR worked with MTA staff, INFOR EAM software engineers and technical specialists to develop the Asset Management input screens, and management reports. The team performed data input into the system and provides training to MTA staff.

EDUCATION

Bachelor of Science, B.S.,
 Electrical Engineering
 (Electrical Engineering),
 New Jersey Institute of
 Technology, 2005

REGISTRATIONS

Professional Engineer

New Jersey, US
 No. 24GE04933400

Virginia, US
 No. 0402050538

OFFICE LOCATION

Newark, NJ

INDUSTRY TENURE:

13 Years

Khaled Hajjeh, PE

Electrical Engineer - Design, Rehabilitation, Inspection

RELEVANT EXPERIENCE

Vermont Agency Of Transportation, North Hero Bridge, VT

Lead Electrical Engineer. Responsible for leading a design team to design a new double leaf bascule bridge to replace the existing double leaf bascule bridge. The project entailed a complex staging plan to build the new hydraulically driven double leaf bascule bridge in the same location as the existing bridge. Designed temporary drive system, electrical/control system staging plans and permanent power distribution and control systems. (2015-ongoing)

Westchester County Department of Public Work, Fulton Avenue bridge, Mount Vernon, NY

Project manager and Electrical Task Leader. Responsible for the full electrical and control system rehabilitation. The project entailed the rehabilitation of the Architectural, Civil, Electrical, and Mechanical systems of this bascule bridge. Provided design package, Construction Management and construction support services. Prepared scoping report, design plans and specification for the submarine cables replacement, new electrical service, generator and power distribution system, new drives, control system with all new field devices and new traffic gates. Monitored budget and coordinating with sub contractors on the project. In an effort to keep the bridge operational during the project construction funding and design periods, responded to emergency calls, troubleshooted the existing control system and the Westinghouse thyristor drive system, prepared temporary repair package to repair drive and control system failures, provided construction inspection and directed the contractors during the repairs. Coordinated with the resident engineer, client and contractor on a daily basis during construction and provided guidance to inspection/engineering staff during construction.

Virginia Department of Transportation, High Rise Bridge, Chesapeake, VA

Electrical task leader. Responsible for responding to an emergency failure of the main drive motor on this double leaf bascule span movable bridge. Responded to emergency failure, prepared temporary repair design package to get the bridge back in service and then prepared the design for a full rehabilitation of all span motors with machinery supports and all field devices and wiring for the bridge control system. (2010-2012)

NYCDOT, Roosevelt Island Bridge, New York, NY

Electrical Engineer. The project entailed the rehabilitation of the Architectural, Civil, Electrical and Mechanical elements of the entire bridge. Provided shop inspections for the electrical equipment. The work included inspecting the manufacturing process for the Fiber Optic and the multi-conductor power and control droop cables. The droop cables jacket was built of two layers of a thermoset neoprene compound with Kevlar reinforcement in between. The neoprene compound was chosen to assure flexibility with below freezing temperatures. During the cables production, the manufacturer experienced real challenges procuring the cables and it was determined that the cables did not meet ICEA standards and the project specification requirements. Witnessed cables production and testing and worked with the manufacturer and the design consultant to achieve the project quality goals and assure that the cables are compliant with the ICEA standards. Prepared reports with recommendations and attended meetings. (2007-2009)

Virginia Department of Transportation, Berkley Bridge, Norfolk, VA

Project Manager/Electrical task leader. Responsible for leading the electrical design team and managing the complete rehabilitation design efforts of the bridge electrical power and control systems and the drive machinery on the twin double leaf bascule bridges. The project entailed performing a rehabilitation study, then preparing a design package for the following: replacing existing drive machinery, refurbishing existing span and tail locks, replacing existing traffic gates, installing new emergency diesel generator system, new submarine cable system, new medium voltage electrical service system, new power distribution system, installing new flux vector drive system, installing new conduit and wiring system, and designing a temporary drive system to minimize the marine outage requirements during the construction to a maximum of 5 days outages. (2011-Ongoing)

EDUCATION

Bachelor of Science, Civil Engineering, Tennessee Technological University, 1998

Master of Science, Structural Engineering, Vanderbilt University, 2000

Doctor of Philosophy, Structural Engineering, Vanderbilt University, 2005

REGISTRATIONS

Professional Engineer

Alabama, US
No. 35249-E

Florida, US
No. 79561

Louisiana, US
No. 40004

Massachusetts, US
No. 49171

New Hampshire, US
No. 13369

New Jersey, US
No. 24GE04670600

New York, US
No. 086108

North Carolina, US
045005

Washington, US
No. 49003

OFFICE LOCATION

Newark, New Jersey

HDR TENURE:

3 Years

INDUSTRY TENURE:

18 Years

David Knickerbocker, PhD, PE

Bridges and Special Structures - Design, Rehabilitation, Inspection

RELEVANT EXPERIENCE

North Hero–Grand Isle Drawbridge, VTrans, North Hero, VT

In-line replacement of a historic twin leaf bascule bridge, and the only vehicular movable bridge in the State of Vermont with a new twin leaf bascule spans. Project procurement followed the Construction Manager / General Contractor (CMGC) process. Project includes installation of a temporary drawbridge prior to replacing the existing drawbridge so that impacts to vehicular traffic are minimized.

Project Dates: 2017-2018

Fore River Bridge, Massachusetts Department of Transportation (MassDOT), Quincy, MA Lead

Structural Engineer responsible for accelerated structural design of the vertical lift trusses, in a design-build tender package. The through truss, comprised of gusset plate-connected steel box members, is 324 ft long by 77 feet wide.

Project Dates: 2012

Saugus Drawbridge, Massachusetts Bay Transportation Authority (MBTA), Boston, MA

Lead Structural Engineer/Analyst. Inspection and analytical investigation of distressed (bascule rest pier) substructure. Detailed analysis of previously reinforced (bascule rest) pier under distress; Initiation and coordination of instrumentation and monitoring services provider; Investigation of repair options, and detailing of selected option.

Project Dates: 2010-2011

Alford Street Bridge over the Mystic River, Boston, Massachusetts

Multi-discipline rehabilitation design of 1400-foot-long 8-span bridge including replacement of 160-ft long twin, double-leaf steel bascule span the Mystic River. Included inspection, repair recommendations, deck replacement, and lighting, heating, and traffic control system design. *Structural Engineer.* Responsible for the bascule span balance calculations, including estimated quantities, bascule structural analysis and counterweight design.

Project Dates: 2003-2004

Unionport Bridge, New York, NY

Replacement of double-leaf bascule span with twin single-leaf bascule span, while maintaining roadway and waterway traffic.

Lead Structural Engineer. Responsible for design of superstructure: Twin single-leaf structure, comprised of half-filled grid deck, roadway (joint, barrier, walkway, etc.) details, steel stringers, floorbeams, and bascule girders. Critical design issues for this task were geometric (clearance) limitations, and accommodation of construction staging.

Project Dates: 2014-2015

Sea Bright (Rumson Road) Bridge, NJDOT, Sea Bright, NJ

Structural Engineer. Design of replacement bascule span. Responsible for full preliminary design of single bascule leaf, including floor system deck, and steel stringers, floorbeams, and bascule girders, as well as balance and related geometric configuration. Individually performed this task over a period of two weeks.

Project Dates: 2015

EDUCATION

Master of Civil Engineering
City College of New York,
2000

Bachelor of Civil
Engineering
City College of New York,
1994

REGISTRATIONS**Professional Engineer**

Florida, US

New York, US

Washington, US

OFFICE LOCATION

New York, NY

INDUSTRY TENURE:

20 Years

Jacek Krysiwicz, PE**Structures - Design, Rehabilitation, Inspection****RELEVANT EXPERIENCE****VTrans, North Hero–Grand Isle Drawbridge, VT.**

In-line replacement of a historic twin leaf bascule bridge, and the only vehicular movable bridge in the State of Vermont with new 51.1 ft twin leaf bascule spans. The project will be contracted following the Construction Manager / General Contractor (CMGC) process. The selected contractor to work with the HDR Engineering team through the design phase is Cianbro Corporation. The contractor will build a temporary drawbridge prior to replacing the existing drawbridge so that impacts to vehicular traffic are minimized. Lead Structural Engineer responsible for the substructure design, including the foundation load analysis, seismic and ice loads determination, bascule pier design and construction scheme, cofferdam and tremie seal design review, control and house machinery room structural design, coordination with the superstructure, mechanical and electrical design.

Role: Senior Structural Engineer.

Maine DOT, Carlton Vertical Lift Bridge over Kennebec River Bath - Woolwich- Bath, ME.

Project included inspection and preliminary design for repair and study for replacement of a combined highway/railroad bridge. Structural Engineer responsible for studies of bridge geometry, design of new operator's house, platforms to support new span lock machinery and receiving sockets, details for miscellaneous structural repairs, development of jacking schemes for main counterweight ropes and bearings replacement, in-house project coordination, review of shop drawings and construction support services.

Role: Structural Engineer

Massachusetts Dept. of Conservation & Recreation, Rehabilitation of the General Edwards Drawbridge - Boston, MA. Engineer responsible for the design and detailing of the pin and hanger auxiliary support structures. Engineer responsible for the load analysis, design and detailing of steel members and bearings. Senior engineer responsible for the supervision of the task engineers and providing guidance to other members of the design team.

Role: Senior Design Engineer

Multnomah County Transportation Division - Bridge Section, Broadway Bridge over Willamette River Rehabilitation - Portland, OR.

Rehabilitation design for only remaining double-leaf, rail, bascule bridge in the U.S. Provided inspection, study, bridge balancing, and operating machinery overhaul. Structural Engineer responsible for the center lock analysis, anchor strut design, steel detailing and shop drawing review.

Role: Structural Engineer

NYSDOT, Wantagh Parkway Bascule Bridge over Sloop Channel (CSS) - Long Island, NY.

Structural Engineer. Construction support services for the bascule replacement over Sloop Channel. Structural Engineer responsible for shop drawing review and construction support services.

ADELE F. FIORILLO, PWS, NHCWS Principal Wetland Scientist

Ms. Fiorillo is a Principal Scientist with over 30 years of experience. She is responsible for a variety of professional services including: project team development and management; wetlands delineation; mitigation plan development/ implementation; environmental impact evaluations; wetlands analysis and permit applications for federal, state and local entities. Her project experience includes energy, transportation and real estate development projects as well as projects for communities and non-profit groups. She has prepared Environmental Assessments and Categorical Exclusion documents to comply with the National Environmental Policy Act (NEPA). Ms. Fiorillo oversees the Terrestrial Wetlands Group in Normandeau's Maine, New Hampshire and Vermont offices, collaborates with multi-disciplined project teams, establishes and oversees project staff and budgets, defines scoping guidelines and stays updated on changes in environmental regulations. Ms. Fiorillo teaches graduate courses in Wetlands Ecology and Marine and Coastal Processes. Technical expertise includes fresh water and coastal wetland ecosystems.

REPRESENTATIVE PROJECT EXPERIENCE

Great Bay Eelgrass Study, Great Bay Municipal Coalition, Multiple Communities, NH (2013). The Great Bay Municipal Coalition communities of Dover, Rochester and Portsmouth contracted with Normandeau to evaluate eelgrass habitat in the Great Bay as part of the coalition's investigations resulting from the Environmental Protection Agency's mandate for nitrate reductions related to sewage treatment facility outfalls. Ms. Fiorillo oversaw all aspects of the project from eelgrass surveys to final report. Project Manager.

Eelgrass Study, Riverside & Pickering Marine Contractors, Newington, NH (2013). Riverside & Pickering Marine Contractors provide services for the construction of wharfs and piers, tug and barge services, and dredging. When developing a new facility for their operations in Newington, NH Normandeau provided support to the permitting effort by performing an eelgrass survey in the vicinity of the proposed pier. Ms. Fiorillo oversaw the Normandeau survey team completing the eelgrass survey which included underwater video and GPS location of eelgrass bed boundaries, developing a map and writing a report. Ms. Fiorillo also coordinated with the project team and attended regulatory meetings. Project Manager.

Town-wide Wetland Modeling, Piscataqua Region Estuaries Partnership, Kittery, ME (2011). Oversaw the development of a Global Information System model under a Piscataqua Region Estuaries Program community technical assistance grant for the Town of Kittery, ME. Using ESRI ArcMap 10.0 and Spatial Analyst, the project team incorporated multiple spatial raster datasets, including conventional and LIDAR topography data, NWI wetland mapping, NRCS soil mapping, remotely sensed land use data, ground truthing and hydrography data. Each input was scored based on its relative ability to predict wetlands and vernal pools. The results of the model analysis and a natural breaks classification produced a town-wide map that indicated areas with high wetland probability. Project Manager.

EDUCATION

M.A., Marine Biology, San Francisco State University

B.A., Biological Sciences, University of California, Berkeley

PROFESSIONAL EXPERIENCE

2010-Present	Normandeau Associates
2009-2010	GZA Geo Environmental
1998-2009	NHSC, Inc.
1994-1998	Wetlands Preservation, Inc.
1990-1994	Tiburon Center for Environmental Studies
1986-1989	Tenera, Corporation

PROFESSIONAL CERTIFICATIONS

- Professional Wetland Scientist, Society of Wetland Scientists #823
- NH Certified Wetland Scientist #064
- Certificate of Completion – Project Management Institute (2008)
- Maine DIFW Credentialed Vernal Pool Observer

PROFESSIONAL AFFILIATIONS

- Society of Wetland Scientists – Life Member
- New Hampshire Association of Natural Resource Scientists – Member
- Adjunct Professor University of Massachusetts, Lowell Department of Civil and Environmental Engineering
- Gulf of Maine EcoSystem Indicator Partnership – Climate Change Committee Member
- Hodgson's Brook Advisory Board Member

BENJAMIN P. GRIFFITH

Wetland Scientist/Wildlife Biologist

Mr. Griffith is a wetland scientist and wildlife biologist with ten years of professional experience conducting various natural resource studies. He has a diverse set of wetlands and wildlife skills including wetland delineations, vertebrate and invertebrate fauna surveys, and habitat assessments. He has particular expertise in avian surveys coupled with extensive knowledge of species identification and life histories of North American birds. In addition to his field skills, he has experience producing technical reports, permit applications, and GIS-based graphics.

REPRESENTATIVE PROJECT EXPERIENCE

City of Saco Wetlands Services, Saco, ME (2018). Providing wetlands delineations and review services under Normandeau Master Services Agreement (MSA). Conducted wetland delineations at a 42-acre city-owned property and completed wetland peer reviews at two other project sites for the City to date in 2018. Wetland Scientist.

Multi-use Trail Salt Marsh Restoration, Mattapoisett, MA (2018). Mr. Griffith assisted with design and plan development for restoration of a salt marsh to mitigate impacts associated with construction of a multi-use trail in a coastal community. Wildlife Biologist.

Exit 4A Environmental Impact Statement, New Hampshire Department of Transportation, NH (2016-2017). Normandeau was tasked with preparing an environmental impact statement for the proposed Exit 4A project along Interstate 93 in Londonderry and Derry. Mr. Griffith was responsible for calculating impacts to natural resources for proposed alternatives, as well as producing figures for inclusion in the document. GIS Technician.

Cresson Bridge Restoration, New Hampshire Department of Transportation, Swanzey, NH (2017). Mr. Griffith assisted with a freshwater mussel salvage, relocating over 10,000 mussels of six species, including the listed federally endangered Dwarf Wedgemussel (*Alasmidonta heterodon*). Wildlife Biologist.

Route 4 Durham Bridge Categorical Exclusion, New Hampshire Department of Transportation, Durham, NH (2015). Normandeau was retained to assist with environmental data collection efforts and permitting for the planned replacement of a bridge crossing over Bunker Creek a tidal estuary, along Route 4 in Durham, NH. Mr. Griffith supported the preparation of a non-programmatic categorical exclusion consistent with NHDOT standards for compliance with NEPA. Technical Writer.

Market Street Gateway Expansion, City of Portsmouth, NH (2014). As part of the Market Street Gateway project, Normandeau was tasked with compiling and submitting permits. Mr. Griffith was responsible for aggregating documentation and preparing Standard Dredge and Fill and Shoreland permits for NHDES.

Open Road Tolling, New Hampshire Department of Transportation, Bedford, NH (2016). Mr. Griffith conducted wetland delineations along 2 miles of limited access highway in support of permitting for the installation of open road tolling facilities along the Fredrick E. Everett Turnpike in Bedford, NH. Wetland Scientist.

EDUCATION

B.A, Biology, University of Rochester,
Rochester, NY, Cum Laude

PROFESSIONAL EXPERIENCE

2014-Present	Normandeau Associates
2012-2013	New Earth Ecological Consulting
2011	Normandeau Associates, Inc.
2009-2011	University of Vermont, Research and Teaching Assistantship
2008-2009	Smithsonian Institution
2008	United States Geological Survey

PROFESSIONAL AFFILIATIONS

NH Association of Natural Resource Scientists
NH Certified Wetland Scientist

CASSANDRA A. O'BRIAN Wildlife Biologist

Ms. O'Brian is a wildlife biologist with more than five years of experience in natural resources. Her background encompasses a variety of environmentally conscious positions, over four years of military service, and seven years of experience as a senior veterinary technician. Her relevant expertise includes identification of local wildlife species and habitats, and she is competent in field, lab, or emergency settings. Ms. O'Brian is also GIS/GPS operations-capable and is competent at technical report writing and editing. She assists the Wetlands and Terrestrial Department with biological surveys, environmental compliance monitoring, and GPS technician needs for wetland delineations. In addition, Ms. O'Brian provides support to the Health & Safety Director/QA Manager of Normandeau and acts as the Safety Committee Representative for the Portsmouth office.

REPRESENTATIVE PROJECT EXPERIENCE

Synoptic Acoustic and Trawl Survey of Winter-spawning Cod in Ipswich Bay, Western Gulf of Maine, Gulf of Maine Research Institute (GMRI), Ipswich Bay, MA & NH (2016). With a National Oceanic and Atmospheric Administration (NOAA) Northeast Consortium grant, Normandeau scientists, under contract to GMRI, joined a collaborative team of scientists and fishing industry members to conduct synoptic acoustic and trawl surveys for assessing the relative importance of Ipswich Bay for winter spawning Gulf of Maine Atlantic cod (*Gadus morhua*) by mapping an acoustic index of fish abundance. Ms. O'Brian analyzed echogram data post field data collection using EchoView. Quality assurance/quality control edits were made where necessary in addition to producing notes and Excel spreadsheets. Data Analyst.

Somerset Wind, SunEdison, Skowhegan, ME (2015-2015).

Normandeau provided fieldwork for SunEdison which included wetland and vernal pool surveys on approximately 1,600 acres. Ms. O'Brian supported wetland scientists in land navigation and wetland delineation using a Trimble GPS unit. Other responsibilities during this project include data collection and entry. Wetland/GPS Technician.

HI-Z Turb'N Tag Trout Assessment, Brookfield Renewable Energy, Union River, ME (2017). Normandeau conducted an assessment of brook trout smolt survival at the Ellsworth dam on the Union River, Maine. Study objectives were the estimation of survival rates through the spillway, turbines, and designated fish passage. Ms. O'Brian was posted at the recovery station where all study related specimens were retrieved and placed aside for further inspection or in recovery tanks. Duties included health status and injury assessments, monitoring, and sensor tag or balloon removal from trout. Survey Support.

Atlantic Salmon Smolts Radio-telemetry Assessment, Brookfield Renewable Energy, Penobscot River and Union River, ME (2016-2017). Normandeau conducted a radio-telemetry assessment of radio-tagged Atlantic salmon smolts at four mainstem dams on the lower Penobscot River and two dams on the Union River, Maine.

EDUCATION

B.S., Environmental Conservation & Sustainability, University of New Hampshire
AIT Certificate; Animal Care Specialist, U.S. Army Medical Department Center and School

PROFESSIONAL EXPERIENCE

2015-Present	Normandeau Associates
2014-2015	UNH Military & Veteran Services
2013-2014	Seacoast Science Center
2012	York's Wild Kingdom
2010	Port Royal Veterinary Hospital
2009-2010	Low Country Estuarium
2007-2008	U.S. Army Reserve
2001-2005	U.S. Army

PROFESSIONAL CERTIFICATIONS

First Aid and CPR/AED Certification, American Red Cross (2017)

PROFESSIONAL AFFILIATIONS

- Kittery, ME Conservation Commission
- New Hampshire Association of Natural Resource Scientists (NHANRS)
- The Wildlife Society (TWS)
- The Maine Chapter of the Wildlife Society (METWS)
- U.S. Department of Agriculture (USDA), Animal and Plant Health Inspection Service (APHIS), National Animal Health Emergency Response Corps (NAHERC)
- UNH Student Armed Forces Association (SAFA)
Co-Founder & President (2014-2015)

KIMBERLY W. PAYNE

Marine Biologist/Senior Taxonomist

Ms. Payne has over 35 years' experience with marine and freshwater habitat studies including water and sediment sampling; invertebrate, finfish, and macroalgae collections and identifications; eelgrass, shellfish, freshwater mussel, coastal wetland and shoreline characterization surveys; and wetland delineations. Ms. Payne also is a senior benthic taxonomist specializing in Mollusks and Marine Macroalgae and is a GPS technician with experience in 3D Stereo Analysis, AutoCAD, ArcView, and GIS. Ms. Payne has managed numerous field projects involving multidisciplinary sampling skills and has several years of experience coordinating, writing, and editing technical reports, permit application preparation and interacting with project stakeholders.

REPRESENTATIVE PROJECT EXPERIENCE

Kennebec River Dredge Disposal/ Sturgeon Monitoring, Bath Iron Works, Bath, ME (2007-Present). Water quality sampling for turbidity and total suspended solids using Niskin water bottles, systolic pumps and YSI 6900 Sonde to determine the extent of disturbance from dredging operations; Atlantic and Shortnose sturgeon monitoring and data collection during all dredging operations. Field Task Manager/ Field Biologist.

Penobscot River Mercury Study, Environ International, Inc., ME (2006-Present). Collected water, sediment and biota for mercury analyses to determine the extent of contamination and to establish background levels. Responsible for training, collections, identifications, inventory, and shipment of over 5500 samples to several international laboratories for analyses. Laboratory/Field Staff Manager/Senior Taxonomist/ Field Biologist.

Shoreline Characterizations, Baker Design Consultants, Various towns in ME (2004-Present). Surveys for: shoreline stabilization projects, recreational use improvements, dredging, existing condition reporting, and permit assistance; private and municipal clients. Project Manager/Project Biologist.

Biological Survey and Analyses, Tetra Tech EC, Inc. and Excelerate Energy, Northeast Gateway, offshore Massachusetts Bay, MA (2004-Present). Taxonomist.

Long-Term Monitoring of Created Wetland, Waste Management of Maine, Norridgewock, ME (1999-Present). Annual monitoring of vegetation and hydrologic conditions in created wetland mitigation area. Invasive species biocontrol application. Project Biologist.

Massachusetts Water Resources Authority (MWRA), Boston Harbor, MA (2009, 2012, 2013-Present). Project Taxonomist.

Proposed Transmission Line Corridor, Confidential Client, Pittsburg to Nashua, NH (2011-Present). Vernal pool surveys and wetland delineations. Field Biologist/GPS Technician.

Coastal Wetland Characterization Surveys, Woodard and Curran, various locations (2010-Present). Conducted shoreline assessments, prepared reports and provided permitting assistance, private and municipal clients. Project Biologist/Manager.

Long Term Biological Monitoring, FPL Energy Seabrook, LLC, coastal, NH (1977-Present). Long-term biological monitoring around the Seabrook nuclear power plant in coastal New Hampshire. Supervised the macrozooplankton, bivalve larvae and phytoplankton laboratory programs. Identified bivalve larvae,

EDUCATION

A.A.S., Marine Biology and Oceanography,
Southern Maine Community College

PROFESSIONAL EXPERIENCE

1977-Present Normandeau Associates
1977 NOAA Water Quality
Characterization Cruises

PROFESSIONAL AFFILIATIONS

- Estuarine Research Federation
- New England Estuarine Research Society
- Maine Association of Wetland Scientists
- Maine DIFW Credentialed Vernal Pool Observer
- NMFS Certified Sturgeon Observer



2018 Rates for DuBois & King, Inc

SCHEDULE OF FEES AND CONTRACT CONDITIONS

	<u>Hourly Rate</u>
Senior Principals	\$175.00
Principals/Directors II	\$160.00
Principals/Directors I	\$150.00
Senior Project Managers	\$140.00
Project Managers.....	\$125.00
Project Managers/Senior Engineers	\$115.00
Environmental Scientists/Field Naturalist	\$ 98.00
Project Engineers II	\$ 95.00
Project Engineers I	\$ 90.00
Construction Inspector	\$ 95.00
Landscape Architects/Designers	\$ 95.00
Staff Engineer/Senior Designers	\$ 80.00
Designers/Technicians II	\$ 72.00
Designers/Technicians I	\$ 68.00
Registered Land Surveyors	\$ 98.00
Two-Person Survey Crew	\$120.00
Two-Person Survey Crew with Licensed Surveyor	\$130.00
Three-Person Survey Crew	\$150.00
Three-Person Survey Crew with Licensed Surveyor	\$170.00
Administrative Support.....	\$ 62.00

Notes:

1. **Expert Witness Assistance will be quoted separately.**
2. **DuBois & King, Inc., reserves the right to periodically modify the hourly billing rates detailed above at the sole discretion of DuBois & King, Inc., with or without notice. Invoiced amounts will be based on the Schedule of Fees in effect at the time of invoicing.**
3. **Overtime labor provided by non-exempt personnel will be invoiced at one and one-half (1 & 1/2) times the appropriate hourly rate as detailed above.**

REIMBURSABLE EXPENSES and OTHER DIRECT COSTS including, but not limited to, the following items will be invoiced at cost plus Administrative Fee of 12%:

1. **Transportation and subsistence expenses incurred.**
2. **Shipping charges and insurance for hardware, samples, field test equipment, etc.**
3. **Long distance telephone calls, telegrams and cables.**
4. **Transportation to and from jobs.**
 - a. **Internal Revenue Service standard mileage reimbursement rate for business travel.**
 - b. **The use of rental cars, trucks, boats, airplanes or other means of transportation at our cost.**
5. **Reproduction of drawings, reports, and documents and photographs for project records.**
6. **Direct materials.**

HR6(01.08)

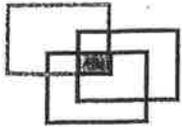
2018 Rates for HDR Engineering, Inc.

**HDR Engineering, Inc. August 2018
RFQ for On-Call Civil Engineering Services - Ogunquit, Maine**

Employee Name	Title	Hourly Rate
Gallant, Jason	Principal in Charge	\$ 259
Mozer, Michael J	Project Manager	\$ 150
Caron, Nicholas David (Nick)	Structural Engineer	\$ 126
Lefebvre, Paul J	Structural Engineer	\$ 99
Davis, Peter J	Moveable Bridges Program Manager	\$ 331
Knickerbocker, David J	Moveable Bridges Team Leader	\$ 247
Protin, Herbert F	Moveable Bridges Senior Structural Engineer	\$ 246
Hajjeh, Khaled C	Moveable Bridges Project Manager	\$ 239
Krysiewicz, Jacek	Senior Structural Engineer	\$ 239

2018 Rates for Normandeau Associates

Staff Name	Title/Labor Category	2018 Hourly Rate (D&K/Ogunquit Proposal)
Adele Fiorillo	Principal Wetland Scientist/ Senior Principal Scientist	\$170
Kim Payne	Marine Biologist/ Senior Taxonomist Scientist IV	\$110
Ben Griffith	Wetland Scientist/ Wildlife Biologist Scientist III	\$72
Cassandra O'Brian	Wildlife Biologist Scientist III	\$72



DeStefano & Associates, Inc.

PLANNING • DESIGN • CONSTRUCTION

September 17, 2018

Ogunquit Town Manager
PO Box 875
Ogunquit, ME 03907

Re: Beach Bathhouse Renovations/Construction Project

Dear Committee Members:

DeStefano & Associates, Inc. (DAI) is well suited for execution of this project. We are professional Construction Managers normally hired to manage cost & schedules of projects to be on time and budget.

APPROACH

As your Construction Manager we will manage all phases and aspects of the work. Effectively, we become a member of your team to facilitate preparation of the plan and then to implement the plan. Throughout the process you will have one person to direct information to and receive information from.

We conduct a competitive bidding process for construction services to assure you of the lowest market pricing. The bids are analyzed and presented to you for approval prior to proceeding with awards. Then we coordinate and manage the contracts throughout construction.

FEATURES

Listed below are some of our unique features/benefits;

- A sole source management approach performing like an extension of your staff to provide the resources needed, so that your time is spent efficiently so as not to impact your current business.
- Throughout the project you are provided with status reports on cost, schedule and performance. We operate with transparency and an open book approach.
- Significant experience in organizing and managing projects from concept to occupancy, working with a variety of clients and consultants in a design-build and fast track mode.

2456 Lafayette Road -- Portsmouth, NH 03801-5624
603.430.0339 -- 603.430.0346 fax
www.destefano-associates.com -- email: johnd@destefano-associates.com

- Standards of practice derived from membership in the CMAA and AIA contract documents.
- Extensive database of sub-contractors in the three States that we work in. (Maine, NH, Mass.).
- Our close proximity.

EXPERIENCE ON SIMILAR PROJECTS

Following is a list of projects managed organized with committees and /or boards. The common thread is the ability to work with groups to achieve budgets without changing design intent. Additional information can be found in our project list. References for each are available.

Temple Israel, Portsmouth, NH-Renovations including new library, classrooms, assembly hall, elevator access.

St. George Episcopal Church, Durham, NH- Renovations to assembly hall, classrooms, mechanical equipment.

St. George Episcopal Church, York, ME- Renovations to assembly hall, classrooms, mechanical equipment.

Trinity Church, York, ME- Preservation of two towers by mitigating water intrusion.

Old York Historical Society, Jefferd's Tavern- York, ME- Dismantling and re erection of a barn for use as classroom and display purposes.

York Public Library, York, ME- New library.

St. Christopher's Church, York, ME- Various renovations including classrooms, lighting, entry improvements.

Kittery Community Center, Kittery, ME- Renovations to classrooms, windows, roofing not done correctly by a previous GC.

Portsmouth Music & Arts, Portsmouth, NH- Renovation of former warehouse into classrooms, studios and a concert room

The Music Hall, Portsmouth, NH- Demolition & reconstruction of space under the auditorium to install new bathrooms, bar and ticket office

The Brickstore Museum- Kennebunk, ME- Multi phased improvements to address structural and drainage issues with the Museum open during all phases.

2456 Lafayette Road -- Portsmouth, NH 03801-5624
603.430.0339 -- 603.430.0346 fax
www.destefano-associates.com

TEAM

The following entities will be sub-contracted by our company. Each company worked on the latest bathhouse at Long Sands in York. Each company has worked for us on several projects in the past. The services provided are outlined below.

Civil Engineering - Ransom Engineering, Portland, ME

Architect - CWS Architects, Portland, ME

Structural Engineering - Becker Structural, Portland, ME

Plumbing, Heating, Ventilating & Electrical - Bennett Engineering, Falmouth, ME

We will provide detailed experience and portfolio's for each entity at the time of the interview.

FAMILIARITY WITH TOWN & REGION

DAI has completed multiple projects in Ogunquit, York and throughout Maine over the past 20 years. Our consultants are all Maine based who have comprehensive experience with local and state permitting requirements and approvals.

Ransom has current knowledge of the site permit & approval process for this type of project based on the recent York project.

The York Library project was partially publicly funded so the bidding process was conducted by in accordance with public bidding requirements.

REFERENCES

Steve Burns - Town Manager, York, ME	207.363.1000 ext 6021
Lori King -Stonewall Kitchen, CFO, York, ME	207.351.2713
Dr. Robert Chaikin - Temple Israel & SRT, Portsmouth, NH	603.742.4735

2456 Lafayette Road - Portsmouth, NH 03801-5624
603.430.0339 - 603.430.0346 fax
www.destefano-associates.com

COST PROPOSAL

The scope of services and cost summary is listed in the RFP form. (attached)

Clarifications

- 1.) We have allocated a total of four meetings with the building committee attended by DAI & Architect. Additional meetings will be at additional cost on a T&M basis.
- 2.) We can not predict the amount of public hearings or level of site permitting until the concept phase is performed. Therefore, none have been included.
- 3.) We propose to offer our costs as estimates to be finalized in the concept phase

We look forward to working together on this very important project for your town residents and visitors.

Sincerely yours,



John P. DeStefano

President

2456 Lafayette Road - Portsmouth, NH 03801-5624
603.430.0339 -- 603.430.0346 fax
www.destefano-associates.com

**Town of Ogunquit, Maine
Request for Proposals
Bathhouse Renovation/Construction Project**

Scope of services

The Construction Manager (CM) or General Contractor will provide services in phases as outlined below.

1.) Concept Phase

- a. Define the program needs
- b. Develop concept sketches
- c. Estimate costs
- d. Prepare overall schedule
- e. Meet with town staff, elected officials and citizens for review and comment
- f. Select most favorable option

2.) Design Development

- a. Prepare plans and specifications to a 70% level of completion for selected option
- b. Interim review meetings as necessary
- c. Improve cost estimate with subcontractor participation
- d. Refine schedule
- e. Meet with town staff, public to review and decide on next step.

3.) Guaranteed Maximum Price (GMP)

- a. Complete plans & specs
- b. File for local & state permits
- c. Finalize cost from subs final bids
- d. Develop a GMP

4.) Construction

- a. Manage the construction with full time onsite manager
- b. Weekly Owner meetings & recording

Contract Terms & Conditions

- 1.) Contract terms & conditions will be in accordance with AIA 141-2014- Owner/Design Builder

Pricing shall be provided by Phase as outlined below.

- | | |
|---|-----------------------|
| 1) T&M not to exceed based on two review meetings | \$ <u>14,000</u> |
| 2) Fixed cost <i>Est.</i> | \$ <u>34,000</u> |
| 3) Fixed cost <i>Est.</i> | \$ <u>39,000</u> |
| 4) Cost plus fixed fee | |
| a) Fees (includes Project Management, OH & P) | <u>6</u> % |
| b) Site management value is based on assumed duration | \$ <u>2800</u> / week |



DeStefano & Associates was founded by John P. DeStefano, PE, LEED-AP in 1999. John provides over 30 years of design/build construction management experience, along with a Master's Degree in Construction Management and Business Administration.

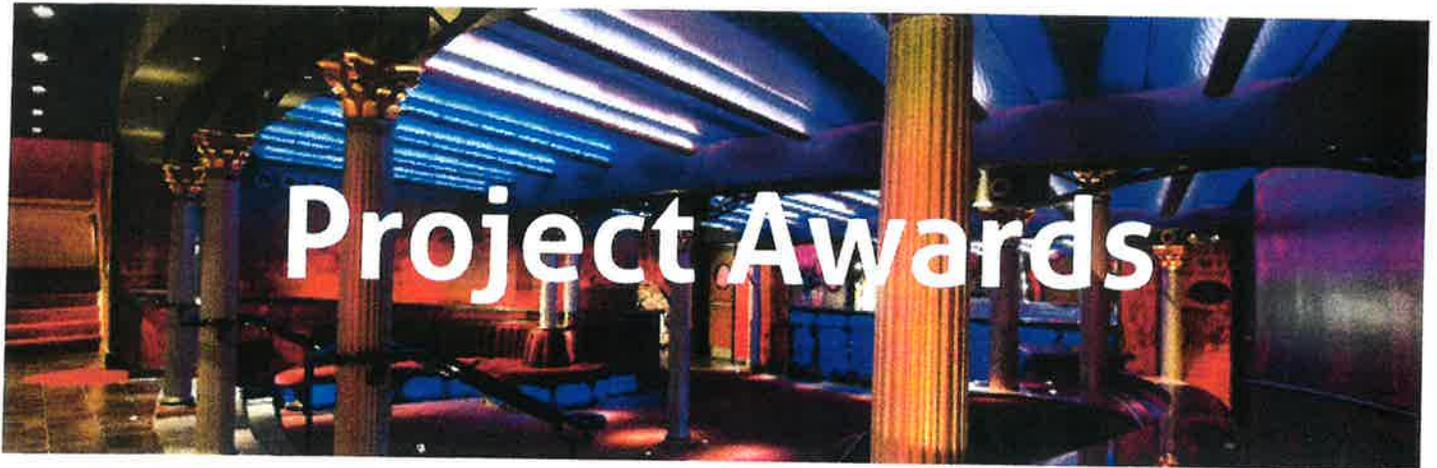
The company offers comprehensive services, as construction managers, on a turnkey basis to clients in commercial, industrial, health care, retail, sports, multi-family and institutional markets. Our primary territory is New Hampshire, Maine, and Eastern Massachusetts. We have recently completed projects in Pennsylvania and New Jersey.

Our staff consists of experienced project managers, estimators, and site managers with an average of 30 years of experience in the construction field.

John P. DeStefano

President





Project Awards

- Project:** Portsmouth Music and Arts Center (PMAC)
Award: Portsmouth Advocates 2015 Excellence Award
- Project:** The Music Hall, Portsmouth, NH
Awards: NH AIA award for design excellence
Cintas' 2015 America's 14th Annual Best Bathroom Contest, Runner up
- Project:** Whole Life Medical Facility, Newington, NH
Award: New Hampshire Preservation Alliance 2008 Preservation Achievement Award

Complex Projects & Challenges Accomplished

- Project:** The Music Hall, Portsmouth, NH
Removed and replaced 30 columns and 700cy of ledge under the auditorium of this performing arts complex while maintaining operation throughout the renovation.
- Project:** Riparia, Dover, NH
Design and construction of the only 20,000 square feet of sidewalk and parking radiant snowmelt system in New England.
- Project:** Brick Store Museum, Kennebunk, ME
Structural renovation of a historic museum to stabilize the structure and improve storage capacities while keeping facility operating.
- Project:** New Hampshire Orthopedics, Manchester, NH
Demolition and renovation of the interior of an existing medical office building while the facility was in operation, 7 phases.
- Project:** New England Equine, Dover, NH
Design and Construction of a 40,000 square foot new medical and surgical equine facility, completed in 5 months or the veterinarian had no place of business.
- Project:** Jefferds Tavern, York, ME
Dismantled and re-erected a historic barn to create exhibit and classroom space, meeting current building codes.
- Project:** Atlantic House, York, ME
Raised and renovated a historic hotel, significant risk involved blasting of ledge for new footings under the structure.
- Project:** Whole Life Medical Facility, Newington, NH
Moved a 5000 sf historic house 1000 feet to a new location, then renovated and expanded for medical office space.



New Business



TOWN OF OGUNQUIT

NOTICE OF PUBLIC HEARING

The Municipal Officers of the Town of Ogunquit will conduct a Public Hearing at 6:00 PM on Tuesday, October 16, 2018 in the Auditorium of the Dunaway Community Center, 23 School Street, for the purpose of a Public Hearing on the proposed Warrant for the November 6, 2018 Special Town Meeting.


Christine L. Murphy, Town Clerk


Patricia Arnaudin, Police Chief

Posted: October 9, 2018
Dunaway Community Center
Ogunquit Transfer Station
WOGT

STATE OF MAINE
COUNTY OF YORK, ss

**ORDER FOR THE SPECIAL TOWN MEETING
&
Municipal Officers Certification of Official Text of Secret Ballot Referendum Questions**

TO: Christine L. Murphy, Town Clerk

We, the undersigned municipal officers, hereby order that the following articles be placed on the ballot as questions to be presented to the voters at the Special Town Meeting to be held on **Tuesday, November 6, 2018**, A.D.; whereby said questions shall be presented to the voters for their consideration by secret ballot; to wit:

Article 1: To elect a Moderator to preside at said Meeting. [**Note:** This question is not intended to be acted upon as part of the official secret ballot at the Special Town Meeting.]

**** Submitted by Petition ****

Article 2: Shall the municipality approve and adopt the Ogunquit Comprehensive Plan revision, dated August 10th, 2018, superseding the 2004 Comprehensive plan. A copy of said plan is available in the Town Clerk's Office for inspection, use and examination by the Public. This Warrant Article is by Petition of Voters.

Article 3: Shall an ordinance entitled "**Amendments to Title IV, Public Resources and Conservation Ordinance, Chapter 4 – Beaches as it relates to fines and penalties for trespassing in the dunes and dogs on the Beach and in the Estuary**" be enacted?

Article 4: Shall an ordinance entitled "**Amendments to Title IX, Business Ordinance, Chapter 9 – Business Registrations**" be enacted?

Article 5: Shall an ordinance entitled "**Amendment to the Ogunquit Zoning Ordinance Article 2, Definitions - Expansion of a Structure**" be enacted?

Article 6: Shall an ordinance entitled "**Amendment to the Ogunquit Zoning Ordinance, Article 6, Section 6.6.E.4 - Establishing a time frame within which a denied application may return to the Planning Board**" be enacted?

Article 7: Shall an ordinance entitled "**Amendment to the Ogunquit Zoning Ordinance Article 6, Section 6.6.E.5 to establish a time frame by which an active application may remain in tabled status**" be enacted?

Article 8: Shall an ordinance entitled "**Amendment to the Ogunquit Zoning Ordinance Article 9.15.P.6 - Shoreland Zoning Standards**" be enacted?

Article 9: Whereas Article 70 of the June 13, 2018 Annual Town Meeting authorized a Capital Improvement Project for repair of the Wharf Lane Footbridge in an amount of \$30,000.00; and,

Whereas on May 15, 2018 the Select Board approved the use of up to \$35,000.00 from the Natural Disaster Emergency Repair Fund for the immediate Repair of the Wharf Lane Footbridge; and

Whereas, the repair work was completed for a cost of \$28,550.00,

Now, therefore, the Capital Improvement Project approved in Article 70 of the June 13 Annual Town Meeting is hereby abandoned and \$28,550.00 of the authorized \$30,000.00 shall be transferred to the Natural Disaster Emergency Fund to make it whole for the funds authorized and expended; and \$1,450.00, the balance of the authorized amount, shall be returned to the General Fund.

Given under our hands this **4th Day of September, 2018**, A.D. in Ogunquit, Maine, by the Select Board, acting in their capacity as the Municipal Officers:

OGUNQUIT SELECT BOARD

Charles L. Waite, III, Chair

John M. Daley, Vice Chair

Richard A. Dolliver, Member

Madeline S. Mooney, Member

Robert N. Winn, Jr., Member

State of Maine
County of York, ss

A True Copy,
Attest:

Christine L. Murphy, Town Clerk
Town of Ogunquit, Maine

Dated: _____

The Town of Ogunquit has a \$456,559 6-month CD maturing on October 16, 2018.

We are asking for 6 month rate for a \$456,599 CD.

The investment must be fully insured or collateralized with FDIC, a joint custody account at the Federal Reserve Bank and/or an irrevocable letter of credit from the Federal Home Loan Bank.

Per the terms of the Town's RFP for banking services issued in January 2016:

The following securities are considered acceptable for collateral and investment purposes:

- US Treasuries
- Ginny Mae
- US government securities fully guaranteed by the US
- US agency securities fully guaranteed by the US

The following securities are not considered acceptable for collateral and investment purposes

- Fannie Mae and Freddie Mac securities not fully guaranteed by the US
- US government securities not fully guaranteed by the US
- US agency securities not fully guaranteed by the US
- Any non- US government securities whether or not fully guaranteed by the US
- Any security classified as a collateralized mortgage obligation or that is secured with mortgages
- Commercial paper
- Money market mutual funds
- Pass Through FDIC
- Certificates of Deposit Account Registry (CDARs)

We ask that your rates be submitted by email or fax to 207-646-5920 no later than 3:30 pm October 16, 2018. Also, please note if a Corporate Resolution is required and provide your form.

The Select Board is scheduled to meet on October 16, 2018 at which the award will be made and a Corporate Resolution, if needed, will be approved.

The funds will be available on the October 16, 2018 by check or by Fed Wire.

If there is a question you may contact me at the number below.

John Quartararo

Treasurer

Town of Ogunquit

PO Box 875

Ogunquit, ME 03907-0875

207-646-3018