



910800X
February 2, 2024

C.R. Willeke, PE
Municipal Highways Engineer
NH Dept. of Transportation
The Bureau of Planning & Community Assistance
John O. Morton Building
7 Hazen Drive, PO Box 483
Concord, NH 03302-0483

Re: On-call Construction Engineering and Inspection Services Prequalified List of Consultants for Locally-administered Local Public Agency (LPA) Qualifications-Based Selection Contracts

Dear Mr. Willeke:

DuBois & King (D&K) is providing our updated statement of qualifications. Established in 1962, DuBois & King is a 160-person engineering firm with offices in New Hampshire, Vermont, Maine, and New York. D&K maintains a year-round, full-time construction department with experienced construction managers and residents/inspectors who provide construction phase services for a wide range of federally funded and municipally and state-managed projects. If you have any questions, please do not hesitate to contact me at 802.728.3376 or cgoodling@dubois-king.com.

Very truly yours,
DuBois & King, Inc.

A handwritten signature in blue ink, appearing to read 'Charles Goodling', is written over a faint, larger version of the signature.

Charles Goodling, PE, LPA
President and Contract Manager

DUBOIS & KING (D&K) has been providing construction administration, resident engineering, and related services to New Hampshire municipalities and NHDOT for decades. This includes dozens of successful projects administered through the Local Public Agency (LPA) program and the Municipal Bridge Aid program since each program's inception. Over this period, D&K's Construction Department has developed and expanded a team of professionals with practical experience with the specific requirements of the LPA program as identified in "Section 27 - Construction Phase" of the LPA Manual. D&K has a clear understanding of the requirement and expectations for delivering construction inspection services on LPA projects. A description of our understanding follows.

Upon selection, D&K will initiate the following activities:

- **Review the Contract Documents.** Obtain and review a copy of the Contract Documents in order to understand the scope and duration of the project, the type of construction activities involved, materials testing requirements, and special conditions or permit-related requirements specific to the project.
- **Draft a Scope of Services.** Develop a draft scope of services and corresponding budget for review with the client and NHDOT LPA representative.
- **Select the Most Qualified Roadway or Bridge Construction Inspector.** D&K will review its list of inspectors and match the experience and skills of an individual who fulfills the project-specific requirements.

Once concurrence has been reached among project parties and the engineering services agreement has been executed, D&K will initiate services. Based on our experience on past LPA and transportation projects, D&K has a strong understanding of construction-related items that we will manage from the onset of the construction phase through to successful project completion.

PROJECT COMMUNICATIONS AND DOCUMENTATION.

D&K's approach to a successful construction project stresses good documentation and clear lines of communication. A typical scope of work includes biweekly or monthly construction progress meetings during the construction period to review project status and address current issues. D&K's Inspector will attend these meetings along with our Construction Manager, the contractor, representatives from the municipality, and other interested project parties. D&K's Inspector will record and distribute meeting minutes. It is expected that less formal project coordination meetings, which will be attended by our Inspector, will occur on site on a more frequent basis.

SCHEDULE. The D&K Inspector will check that the project schedule is updated by the contractor on a biweekly basis and will maintain frequent communications with the municipality with regard to planned weekly construction activities and the overall project schedule.

EROSION PREVENTION AND SEDIMENT CONTROL (EPSC). Our Inspector will become familiar with project-specific erosion/sediment control requirements. As construction proceeds, the contractor will be instructed to address deficient erosion control measures observed.



NHDOT and LPA Experience

The staff members presented are available to serve NHDOT and LPA projects and bring recent and ongoing knowledge of NHDOT staff expectations, NHDOT requirements, and LPA guidelines. This experience means that the NHDOT and the municipalities that D&K works with benefit from pre-established lines of communication and a familiarity with NHDOT, NHDES, USACE, FHWA, and other guidance, which minimizes project delays and conflicts.

VEHICULAR AND PEDESTRIAN TRAFFIC CONTROL. Most projects are located on or near roads, intersections, and/or pedestrian areas and will temporarily impact the traveling public. The Contract Documents will require the contractor to maintain vehicular traffic during the construction period, monitoring and providing for safe pedestrian movement through the site, and maintaining access to adjacent properties. During construction, the safety of pedestrians, cyclists, and motorists will be addressed through the implementation, maintenance, and monitoring of the contractor's pedestrian and traffic control plan. Traffic control will follow MUTCD and NHDOT standards.

MATERIALS SAMPLING AND TESTING. D&K's Inspector is responsible for coordinating the required testing for the project by an independent qualified laboratory. Our Inspector will coordinate testing and review test results in accordance with NHDOT and LPA manual requirements.

FIELD MEASUREMENTS. Calculations and verification of field contract quantities will be accomplished by actual field measurements. D&K's Inspector will make field measurements of appropriate pay items. For efficient review and contractor payment, we will coordinate cost and quantity tracking. These tasks are typically the daily responsibility of the Inspector with direct communication with the contractor.

CONTRACTOR APPLICATIONS OF PAYMENT. The Contract Documents provide for contractor payment for installed and accepted work on a biweekly interval. Reviewing payment applications is important and requires careful review and oversight by D&K. Our Inspector will work with the contractor's superintendent to reach concurrence on the quantity installed for each pay item during the payment period. These quantities are summarized on an application for payment form and include a statement from the contractor that the work covered in the application for payment has been performed in accordance with the Contract Documents. D&K will review the payment application, will check quantities and payment amount, and once everything is in order, will forward the application to the client with a pay recommendation.

COMPLIANCE WITH FEDERAL AND STATE LABOR REQUIREMENTS. All LPA projects must adhere to federal labor compliance requirements through NHDOT's Office of Federal Compliance (OFC). D&K will oversee the flow of information provided by the contractor, including items such as weekly certified payroll from the general contractor and all subcontractors, wage requests for additional labor categories as required by a specific project, payment restitution measures, and work classification/payment verification through selected worker interviews.

RECORD DRAWINGS. D&K's Inspector will maintain a set of plans for the project to record changes in the design and record drawing conditions, to reflect field conditions encountered, and to approve change orders. These plans will be maintained on site, with record information from the contractor, to be presented to the municipality as a record of the constructed project upon completion.

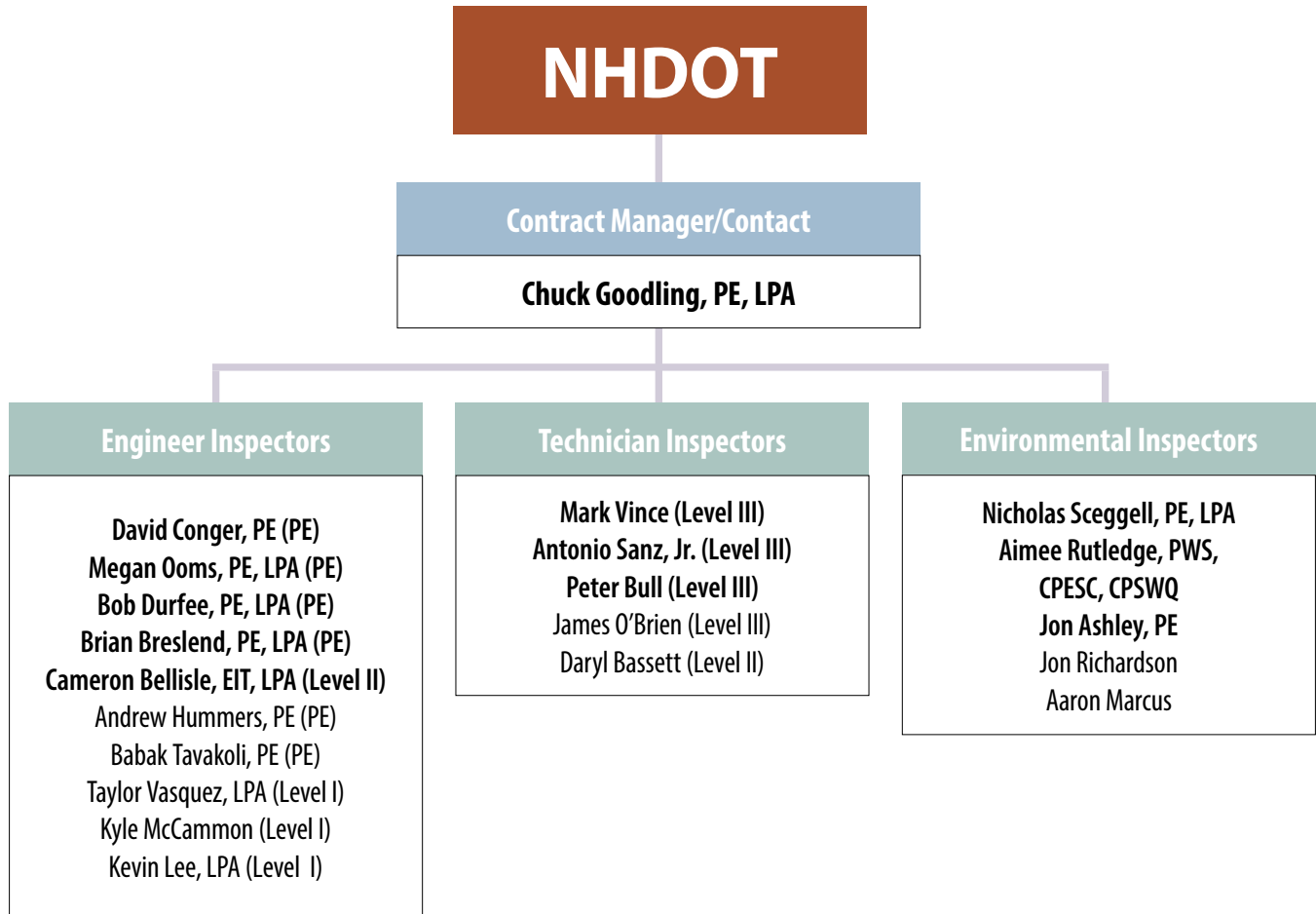


New Hampshire Presence

D&K's Bedford and Laconia offices include approximately 20 civil, transportation, and survey staff. D&K has also advanced the completion of numerous projects for NHDAS, including leading construction observation for the Concord Steam Conversion Project serving the NH State House and nine other State facilities.

Organizational Chart

*Note: Throughout this document, key staff are denoted **in bold**. Resumes are included for these individuals.*



PROJECT TEAM

	Years of Experience	Years with D&K	Technician Inspector – Level I	Technician Inspector – Level II	Technician Inspector – Level III	Engineer Inspector – Level I	Engineer Inspector – Level II	Engineer Inspector – Level III	Proj Mgr./Con. Eng. of Record	Environmental Inspector	NH Licensed Prof. Eng.	CPESC Certified	NETTCP Certified	LPA Certified
Chuck Goodling, PE, Contract Manager	38	34							✓					✓
Engineer Inspectors Megan Ooms, PE	15	2							✓					✓
David Conger, PE	31	18							✓					
Bob Durfee, PE	46	17							✓	✓				✓
Brian Breslend, PE	16	16							✓	✓				✓
Cameron Bellisle, EIT	8	8					✓							✓
Andrew Hummers, PE	18	1							✓					
Babak Tavakoli, PE	38	1							✓					
Sarah Whearty, PE	10	3							✓	✓				
Kevin Lee	15	5				✓								✓
Taylor Vasquez	6	6				✓								✓
Kyle McCammon	5	1				✓								
Tech. Insp. Mark Vince	31	11		✓									✓	✓
Antonio Sanz, Jr.	23	23		✓									✓	
Peter Bull	30	12		✓									✓	
James O'Brien	40	5												
Daryl Bassett	22	<1	✓										✓	
Env. Inspectors Nick Sceggell, PE	19	11								✓	✓			✓
Aimee Rutledge, PWS, CPESC, CPSWQ	24	2								✓		✓		
Jon Ashley, PE	31	8								✓	✓			
Jon Richardson	11	1												
Aaron Marcus	17	1												

KEY STAFF

TEAM MEMBER	CREDENTIALS	TOTAL YEARS	YEARS WITH D&K
Contract Manager			
Chuck Goodling	Professional Engineer, LPA	38	34
Chuck directs D&K's Construction Department and has served as Project Manager for the construction phase of numerous federally-funded roadway, utility, bridge, and facility projects throughout New Hampshire and the Northeast.			
Professional Engineer			
David Conger	NH Professional Engineer	31	18
David is the Director of D&K's Transportation Division and has managed a wide range of multimodal, roadway, airport, bridge, flood mitigation, site, and other infrastructure projects throughout the Northeast.			
Megan Ooms	Professional Engineer, LPA	15	2
Megan is the Manager of D&K's Bridge Department and has managed a range of town highway, interstate and limited access highway bridge projects, including directly for NHDOT and NH municipalities under LPA and MOBRR.			
Bob Durfee	NH Professional Engineer, LPA	46	18
Bob has managed the successful completion of over 75 of Bridge Aid projects and is a former NHDOT employee. He provides national-level expertise in the restoration of covered and other historic bridges.			
Brian Breslend	NH Professional Engineer, LPA	16	16
Brian brings hands-on experience in the design and construction phases of LPA multimodal and vehicle projects.			
Technician Inspector III			
Mark Vince	NETTCP - HMA, ACI, Nuclear Cert., LPA	30	11
Mark has provided inspection for numerous municipally-managed roadway, bridge, and historic bridge projects.			
Antonio Sanz, Jr.	NETTCP - HMA, ACI, Confined Space Cert., Nuclear Cert., OSHA HAZWOPER	22	22
Antonio has provided inspection and CADD design for roadways, historic bridges, airports, dams, and slopes.			
Peter Bull	NETTCP - HMA, ACI, Nuclear Cert.	29	11
As a former NHDOT employee, his inspection experience includes roadway, utility, and bridge projects.			
Engineer Inspector II			
Cameron Bellisle	Engineer in Training, LPA	7	7
As a former NHDOT employee, Cameron has experience designing and inspecting bridges. She has also provided evaluation, inspection, bid phase, design, and construction phase services for Municipal Bridge Aid projects.			
Environmental Inspector			
Nick Sceggell	NH Professional Engineer, LPA	19	11
Nick has significant construction administration and observation experience for roadway, and utility projects, including NHDOT LPA projects.			
Aimee Rutledge	Prof. Wetland Scientist, Certified Professional in Erosion & Sediment Control	24	2
Aimee is an environmental and wetland scientist and permitting specialist experienced with transportation projects.			
Jon Ashley	NH Professional Engineer, Qualified Environmental Professional, OSHA HAZWOPER	31	8
Jon directs the firm's Public Works and Facilities Division and is thoroughly experienced in the construction phase, as well as the development and design of brownfield, water/sewer/stormwater, roadway, bridge, and slope projects.			

SUBCONSULTANTS: DuBois & King has the in-house capacity to provide anticipated consulting services for LPA contracts; the firm will engage with a qualified, reputable subcontractor firms for services such as materials testing.

References

DAVID STACK

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

Projects: four SBA projects, one pedestrian crossing project, and one State Aid Highway Project, plan review and construction observation. D&K has served as Bow's Town Engineer since December 2011.



DAVID ATHERTON

Former Town Manager, now with the
Town of Pittsford
426 Plains Rd
Pittsford, VT 05763
802.483.6500 Ext. 200
manager@pittsfordvermont.com



Projects: Brandon US 7, Segment 6 (FHWA NH) (seven D&K staff on-site full-time for three years) provided construction observation for a \$20M, one-mile-long utility and roadway project in an urban context. D&K also provided construction observation for rehabilitation of a historic stone masonry bridge carrying US 7 and a 278-ft bypass culvert with a sloped, tapered inlet and baffle blocks immediately adjacent to the Segment 6 project.



TAD PUTNEY

Former Town Administrator
Town of Brookline
8 Milford Street
Brookline, NH 03033
603.620.0014
tadputney@hotmail.com

Projects: South Main Street Sidewalks and Bridges (LPA)

APPENDIX: Professional Resumes

Following are descriptions of relevant project assignments for key staff.

TEAM MEMBER	CREDENTIALS	TOTAL YEARS	YEARS WITH D&K
Contract Manager			
Chuck Goodling	Professional Engineer, LPA	38	34
Marlboro Street Reconstruction, Keene (LPA)			
Principal-in-Charge for the design of 4,700 ft of utilities and road reconstruction in an urban commercial/residential area. The project includes the use of chicanes and other multimodal safety improvements.			
US 7 Segment 6 Roadway Reconstruction, Brandon, VT (FHWA NH)			
Principal-in-Charge for a seven-person construction phase team over a three-year period on a \$20M project.			
City-wide Construction Inspection Contract, Lebanon (Municipally Funded)			
Project Manager responsible for construction administration and oversight of the firm's observation services for site and infrastructure projects.			
Statewide Construction Inspection (successive contracts), VTrans (Federal and State Funds)			
Contract Manager responsible for management of firm resources; main point of contact to VTrans for state projects.			
Professional Engineer			
David Conger	Professional Engineer	31	18
NH 12A Bridge over NH Railroad, Lebanon (MOBRR)			
Director for the evaluation of a consulting firm's design of a replacement superstructure carrying NH 12A over a railroad. D&K's study concluded a smaller precast concrete arch or a conventional steel stringer and concrete deck bridge, on alignment would result in significant construction cost savings to NHDOT and the City, and D&K proceeded to provide design services. The project is in the design phase.			
Archertown Road over Jacobs Brook Bridge, Orford (SBA)			
Director for the evaluation and design of a municipally-owned bridge. Provided client coordination, including meetings.			
US 7 Segment 6 Roadway Reconstruction, Brandon, VT (FHWA)			
Manager of Construction Phase Services for full-time construction contract administration and observation for a \$20M downtown roadway and utility reconstruction project, including the US 7 roadway, the associated intersections, and two parks. D&K provided four full-time construction inspectors to support the improvements.			
Megan Ooms	Professional Engineer, LPA	15	2
NH 18 Bridge Over Connecticut River, Littleton and Waterford, VT (NHDOT)			
Project Manager for an engineering study of alternatives to rehabilitate or replace a 526-ft-long, five-span concrete deck over a variable-depth built-up steel plate girder bridge built in 1934.			
NH 12A Bridge over NH Railroad, Lebanon (MOBRR)			
Senior Bridge Engineer for the evaluation of a consulting firm's design of a replacement superstructure carrying NH 12A over a railroad. D&K's study concluded a smaller precast concrete arch or a conventional steel stringer and concrete deck bridge, on alignment would result in significant construction cost savings to NHDOT and the City, and D&K proceeded to provide design services. The project is in the design phase.			

TEAM MEMBER	CREDENTIALS	TOTAL YEARS	YEARS WITH D&K
Bob Durfee	NH Professional Engineer, LPA	46	18

Main Street Bridge Rehabilitation, Laconia (SBA)

Project Manager for the rehabilitation and redesign of a three-span curved steel stringer vehicle and utility bridge over the Winnepesaukee River in a confined urban context. The project included complex construction phasing to meet structural needs, as well as needs of the traveling public, downtown merchants, and event organizers. *The project received the Overall Award for Engineering Excellence from ACEC-NH.*

Village Common Covered Bridge, Wentworth (SBA and Municipally Managed)

Project Manager for the inspection, transportation, and rehabilitation of a covered recreation bridge with a six-ton capacity. *The project received awards from ACEC-NH, SENH, and Plan-NH.*

Lilac Bridge, Hooksett (SBA and Municipally Managed)

Project Manager for the fast-tracked evaluation, design, and construction phase of a project that replaced a failing bridge with a 490-ft-span steel truss. *The project received a Silver Award for Engineering Excellence from ACEC-NH.*

Brian Breslend	NH Professional Engineer, LPA	15	15
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Lahaye Drive Shared Use Pathway, Lebanon (LPA)

Project Engineer for survey, design, and permitting of an approximately 1,000-ft section of a multi-use path.

NH 12A Bridge over NH Railroad, Lebanon (MOBRR)

Senior Roadway Engineer for a project that replaces a state highway bridge over the NH Railroad.

Gale River Loop Road & Bridge Reconstruction, USDA Forest Service, White Mountain National Forest, Bethlehem (USDA Forest Service)

Transportation Engineer for a design-build reconstruction of a portion of Gale River Loop Road and four bridges.

Bethel Mountain Road Slope Stabilization, Rochester, VT (FHWA ER)

Project Manager responsible for advancing construction, design, and permitting of a 2,800-LF roadway repair project in fewer than six months. *The project received a Grand Award for Engineering Excellence from ACEC-VT.*

Technician Inspector III

Mark Vince	NETTCP - HMA, ACI, Nuclear Cert., LPA	31	11
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Dunklee Road Bridge Rehabilitation and Intersection Reconstruction, Bow (SBA and SAH)

Resident Project Representative responsible for full-time construction observation. The traffic component of this project aligns the intersection for large trucks and installs a new signalized intersection. The bridge component rehabilitates a 20-ft buried rigid frame and widens the crossing by 30 ft.

US 7 Segment 6 Roadway Reconstruction, Brandon, VT (FHWA NH)

Resident Project Representative for full-time construction observation services for a major roadway and underground infrastructure reconstruction project through the heart of downtown Brandon.

Central Street Stone Masonry Bridge Rehabilitation, Brandon, VT (Federal and State Funds)

Resident Project Representative for rehabilitation of a historic concrete bridge carrying US 7/Central Street.

TEAM MEMBER	CREDENTIALS	TOTAL YEARS	YEARS WITH D&K
Peter Bull	NETTCP - HMA, ACI, Nuclear Cert.	29	11

Road and Bridge Construction Projects, Various Locations (As An NHDOT Employee)

Served as inspector for drainage, road, and bridge work; wetland mitigation sites; pavement markings; curbing; guardrail; water and sewer lines; conduit; and right-of-way bounds. Performed testing on gradations, compactions, test strips, and proctors on roadway sections and embankments. Monitored construction site for safety.

Altaria Third Party Construction Observation, Lebanon (Municipal Funds)

Inspector responsible for construction observation and administration on behalf of the City for construction of an 8-lot Industrial Planned Unit Development (IND-PUD).

Wetland Mitigation, Burlington International Airport, South Burlington, VT (FAA)

Inspector responsible for observing construction of a 50-acre wetland mitigation site to compensate for unavoidable wetland impacts for the expansion/development of general aviation and cargo areas at the south end of the airport.

Antonio Sanz, Jr.	NETTCP - HMA, ACI, Confined Space Cert., Nuclear Gauge Cert., OSHA HAZWOPER	22	22
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Bridge Rehabilitation, Whittier Covered Bridge, Ossipee (SBA)

Technician responsible to support the construction of repairs to a 133-ft-long historic covered bridge.

Bridge Rehabilitation, Bump Covered Bridge, Campton (SBA)

Technician responsible to support the construction of repairs to a historic covered bridge.

Bridge Rehabilitation, Pier and Wright’s Covered Bridges, Newport (SBA)

Technician responsible to support the construction of repairs to two historic covered rail bridges.

Engineer Inspector II

Cameron Bellisle	Engineer in Training, LPA	7	7
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Main Street Bridge, Laconia (SBA)

Engineer responsible for providing observation and construction administration for rehabilitation and redesign of a three-span curved steel stringer vehicle and utility bridge over the Winnepesaukee River in a confined urban context. The project included complex construction phasing to meet structural needs as well as needs of the traveling public, downtown merchants, and event organizers. *The project received the Overall Award for Engineering Excellence from ACEC-NH.*

Lilac Pedestrian Bridge, Hooksett (SBA and Municipally Funded)

Engineer responsible for full-time observation, tracking quantities and costs, checking for conformance to plans and specifications, and coordinating field decisions. Provided shop drawing and submittal review and acceptance.

Birchdale Road Bridge, Bow (SBA)

Engineer supporting the evaluation and replacement of a 26-ft clear, precast concrete three-sided rigid frame superstructure and wingwalls supported on steel piles driven to ledge.

TEAM MEMBER	CREDENTIALS	TOTAL YEARS	YEARS WITH D&K
Environmental Inspector			
Nick Sceggell	NH Professional Engineer, LPA	19	11

Marlboro Street Reconstruction, Keene (LPA)

Project Manager for the design of 4,700 feet of utilities and road reconstruction in an urban commercial/residential area. The project includes the use of chicanes and other multimodal safety improvements.

Town Beach Water Quality and Drainage Improvements, Sanbornton (Municipally Funded)

Project Engineer for improvements to the Town’s beach on Lake Winnisquam. Services included field survey, a drainage study, stormwater design according to Best Management Practices (BMP), and permitting with NHDES in accordance with Shoreland Protection Act requirements. Implemented underground stormwater storage, a bioretention area (rain garden), a vegetated treatment swale, and a series of retaining walls to minimize erosion.

Lilac Pedestrian Bridge, Hooksett (SBA and Municipally Managed)

Environmental Engineer for the fast-tracked evaluation, design, and construction phase of a project that replaced a failing bridge with a 490-ft-span steel truss. Responsible for wastewater forcemain and pumping design. *The project received a Silver Award for Engineering Excellence from ACEC-NH.*

Aimee Rutledge	Professional Wetland Scientist, Certified Professional in Erosion and Sediment Control, Certified Professional in Stormwater Quality	24	2
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Stormwater Permitting, Lebanon Municipal Airport, West Lebanon (NHDOT Block Grant)

Senior Environmental Analyst responsible for stormwater permitting. The project involves updating the SWPPP in accordance with the EPA NPDES.

Natural Resources Services, Two- to Four-Year Term, VTrans, Statewide, VT (Federal and State Funds)

Senior Environmental Analyst and Project Manager responsible for managing several task assignments; performing wetland delineation; stream assessment; identifying rare, threatened, and endangered species; and state and federal permitting. Under numerous term contracts, provided a wide range of environmental services to VTrans, including wetland delineations, wildlife connectivity analyses, stream channel characterization, state and Army Corps wetland permitting, bat surveys, and rare mussel surveys and relocation.

Jon Ashley	Professional Engineer, Qualified Environmental Professional, OSHA HAZWOPER	31	8
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St. Paul Street Reconstruction, Great Streets BTV, Burlington, VT (Federal, State, Municipal Funds)

Senior Environmental Engineer responsible for developing and implementing a pre-construction site investigation to evaluate the magnitude and extent of petroleum contamination from four known hazardous sites in the vicinity of a roadway and utilities reconstruction project between Main and Maple Streets. Developed and implemented a Construction Plan for Management of Contaminated Soils, including soil monitoring practices and temporary off-site stockpiling prior to off-site disposal. Completed a UST closure assessment for the removal of abandoned gasoline and diesel USTs that were encountered.

US 7 Segment 6 Roadway Reconstruction, Brandon, VT (Federal Funds)

Senior Environmental Engineer for a supplementary site investigation to precharacterize petroleum contamination associated with three known and two former hazardous waste sites in the vicinity of a \$20M roadway and underground infrastructure reconstruction project through the heart of downtown Brandon.

Site Investigation and CAP, Montpelier-Berlin Bike Path, Montpelier, VT (Federal and State Funds)

Environmental Engineer for a Phase II ESA on a former automotive maintenance site bisected by two railroad rights of way. Soil sampling showed evidence of petroleum, polycyclic aromatic hydrocarbons, and low-level VOC contamination. Designed a capping system to prevent human exposure to contaminated soils on the site.

APPENDIX: Applicable Work Experience

PROJECT	LOCATION	CONSTRUCTION	STUDY	DESIGN	PERMITTING	BID PHASE
LPA (TA/TE/CMAQ, etc.)						
South Main Street Sidewalks and Bridge	Brookline					
SRTS Sidewalks	Claremont					
Pedestrian Crossing	Newmarket					
Road Diet Painted Pedestrian Facilities	Keene					
Marlboro Street	Keene					
NH 130 Sidewalks	Brookline					
SRTS Sidewalks	Hillsborough					
Alvah Wilson Road Sidewalks and Bridge	Gilford					
Lahaye Drive Shared Use Pathway	Lebanon					
SRTS Sidewalks	New Ipswich					
State Aid Highway						
Dunklee Road/NH 3A Intersection	Bow					
Municipal Bridge Aid and MOBRR						
South Road Bridge	Harrisville					
NH 12A Bridge over NH Railroad	Lebanon					
Dunklee Road Bridge	Bow					
Birchdale Road Bridge	Bow					
Lilac Pedestrian Bridge	Hooksett					
First Crown Point Road Bridge	Strafford					
Converse Road Bridge	Temple					
Main Street Bridge	Laconia					
Archertown Road Bridge	Orford					
Northwood Road Bridge	Strafford					
Evans Road Bridge	Wentworth					
Sutton Road Bridge	Newbury					
Places Mill Road Bridge	Alton					
Village Road Bridge	Newbury					
Fremont Road Bridge	Fremont					
Belknap Mountain Road Bridge	Gilford					
Borough Road Bridge	Hill					
Towle Road Bridge	Chester					
Croydon Road Bridge	Grantham					
Cass Mill Road Bridge	Hill					
Ridge Road Bridge	Nashua					

To provide a detailed overview of D&K’s experience for each project type, Project descriptions, including photographs follow.



The Main Street Bridge included complex construction phasing (numbered above) to virtually eliminate full roadway and waterway closures, as well water, sewer, and electrical utility interruptions. D&K's construction team partnered closely with the City, businesses, and event organizers throughout construction.

MAIN STREET BRIDGE, LACONIA. D&K provided construction administration and observation as well as study and design for the rehabilitation of the Main Street Bridge, the primary crossing over the Winnepesaukee River and predominant access in and out of the downtown area. The bridge consists of three distinct and separate bridge structures that each carry a City street. The three streets and bridge structures converge to make one overall bridge structure at the street intersections. The spans include a 137-ft, 80-ft-wide curved bridge, constructed in 1968; a 75-ft by 69-ft-wide structure, constructed in 1970; and a 137-ft, 70-ft-wide, curved bridge, constructed in 1968. *This project received the Overall Award for Engineering Excellence from ACEC-NH.*

US 7 SEGMENT 6 ROAD RECONSTRUCTION, BRANDON, VT. From 2017-2021, D&K provided a team of seven full-time construction administration and observation staff for a \$20M municipally-managed, federally-funded urban roadway and utility reconstruction project, which included full-box roadway replacement, stormwater collection and filtration system replacement, sidewalk replacement, park redevelopment, water and sewer service replacement, intersection and signal improvements, bridge rehabilitations, and lighting upgrades. This complex and confined one-mile-long project required coordination with more than 100 abutters in a historic commercial and residential downtown area. This project followed the Vermont equivalent of the New Hampshire LPA Process: the Municipal Assistance Section (MAS) Process. *This project received a Grand Award for Engineering Excellence from ACEC-VT.*



NH 130 SIDEWALKS, BROOKLINE. D&K provided construction observation and administration for a sidewalk project along NH 130, totaling 4,800 LF. The sections of sidewalk connect the Town's safety complex with an existing sidewalk on the north side of the Town's center at Austin Road and link South Main Street with the intersection of Main and Elm Streets. Services included survey, design, permitting, public outreach, ROW, utility coordination, bid phase assistance, and construction services. Permitting included CE documentation and Section 106. The project was randomly selected by FHWA for federal audit and found to be in full compliance.



CONVERSE ROAD BRIDGE, TEMPLE. D&K provided construction administration and observation as well as study, engineering, and bid phase services for Bridge No. 110/141. D&K completed an alternatives evaluation and recommended replacement of the 18-ft-long corrugated metal arch with stone headwalls. D&K also provided permitting assistance and prepared final engineering plans and specifications. The replacement is a 24-ft precast concrete arch.



SRTS SIDEWALKS, CLAREMONT. D&K provided construction administration and observation, as well as design, permitting, and bid phase services for 1,500 LF of sidewalk in downtown Claremont. The LPA project's 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 the north side of Myrtle Street from Forest Street to Tyler Street. D&K's services include preliminary and final design, public meetings, and bid phase assistance.



ARCHERTOWN ROAD BRIDGE, ORFORD. D&K provided construction administration and observation, as well as study, permitting, design, and bid phase services to replace a crossing with insufficient hydraulic capacity and a history of scour damage. The previous bridge's deficiencies included a low load carrying capacity (six-ton) weight restriction, single lane bridge width, and failing stone headwalls and wingwalls. D&K observed contractor activities during replacement of the 28-ft-span, 3-sided, precast rigid frame structure and its approaches. This project followed the NHDOT Municipal Bridge Aid Process.



LILAC PEDESTRIAN BRIDGE, HOOKSETT. D&K provided construction administration and observation for replacement of a failing 490-ft former vehicle and wastewater utility bridge over the Merrimack River. The project was completed under a compressed timeframe and included eight separate stakeholder groups with jurisdiction over the project. The completed project is a prefabricated steel truss that mimics the appearance of the original historic truss. D&K managed coordination and moderated conflicts between these groups throughout this complex project's design and construction phases. *The project received a 2020 Silver Award for Engineering Excellence from ACEC-NH.*



FOUR SBA PROJECTS, ONE PEDESTRIAN CROSSING PROJECT, AND ONE STATE AID HIGHWAY PROJECT, BOW.

D&K is providing construction administration, observation, evaluation, design, and permitting for a range transportation projects, including replacement of the Birchdale, Page, and River Road Bridges, rehabilitation of the Dunklee Road Bridge, installation of a high-intensity activated crosswalk beacon (HAWK Beacon) on NH 3A, and installation of a new signalized intersection of NH 3A and Dunklee Road. Birchdale Road Bridge and the NH 3A HAWK Beacon have been completed and the Dunklee Road Bridge and Intersection projects are in the construction phase. Page and River Road Bridges are advancing through design phases. D&K has served as Bow's Town Engineer since 2011.



VILLAGE COMMON COVERED BRIDGE REHABILITATION, WENTWORTH. The town and the NHDOT faced a complex situation: a circa-1909, irreparable, 96-ft-long, steel truss bridge over the Baker River was to be removed, rerouting school children and others along an unprotected shoulder on NH 25. Concurrently, the client found a freely available, but longer, 106-ft covered bridge at an active demolition site. Rapidly, under a small, uncertain budget, D&K designed shoring and historic rehabilitation for transport of the bridge to be placed on modified abutments. The team observed construction activities and provided resident engineering for this project. Removal of the existing bridge and modification of the abutments were completed using SBA funding. *The project received awards from PlanNH, ACEC-NH and SENH.*

MARLBOROUGH STREET RECONSTRUCTION, KEENE.

D&K is providing construction administration and observation, evaluation, study, design, and permitting for a two-phase project that reconstructs utilities, resurfaces the roadway, installs chicanes to calm traffic, and completes appurtenant pedestrian connectivity improvements. The project is located in a mixed-use urban context and requires significant coordination with a large number of abutters and City staff.



NH 12A BRIDGE OVER NH RR, LEBANON. D&K studied existing conditions, reviewed work by another consultant, and value engineered the design of a new bridge replacement. Three alternatives have been developed for replacement of Bridge 062/117, which carries NH 12A (S. Main Street) over the NH Railroad. Currently posted for 20 tons, the circa-1949 bridge is composed of a 145-ft-long, 27-ft-8-in-wide, three-span steel stringer superstructure with a concrete deck. The substructure consists of pile-supported abutments and pile bents. Firm services include assessment of existing conditions, assessment of previous alternatives/design, development of alternatives concepts, and completion of a narrative report summarizing this information. The preferred alternative is a 63-foot-long steel girder with concrete deck superstructure on skewed abutments.



ROAD DIET PAINTED PEDESTRIAN FACILITIES, KEENE. D&K provided construction observation, study, and design for a SRTS project that implemented the first residential area road diet in New Hampshire. Located adjacent to Keene's schools, the project provided a practical, low-cost alternative that enhances safety of students walking to local schools and encourages others to travel by foot. The project included striping and signage throughout the neighborhood, which was developed with wide travel lanes but few sidewalks.



NH 113 BRIDGE REPLACEMENT, ACCELERATED BRIDGE CONSTRUCTION (ABC), NHDOT, TAMWORTH. For the NHDOT, D&K completed study, evaluation, and design for an accelerated bridge project that resulted in the longest single-span bridge in the state, which was constructed within a 28-day closure period. The 133-ft-long bridge uses precast box beams and carries NH 113 over the Bearcamp River. Tamworth's Fire Department is located near the bridge and a compressed closure was essential to reducing the period in which the Fire Department would have to compromise its response time to nearby incidents.

