

May 6, 2020

Town of Barrington  
333 Calef Highway, PO Box 660  
Barrington, NH 03825  
Attn: Mr. Conner MacIver, Town Administrator

Re: **Request for Qualifications (RFQ) – Asset Management and Additional Engineering Services - 2020**

Dear Mr. MacIver:

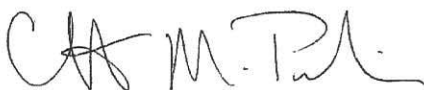
Weston & Sampson is pleased to submit this qualifications statement for the above-referenced project to the Town of Barrington. Our successful track record of asset management planning in New Hampshire and throughout New England, in combination with our comprehensive in-house infrastructure assessment and design expertise, will enable us to deliver a technically sound, cost-effective plan to guide your infrastructure decisions for the next decade.

Our qualifications to provide the required asset management services for the Town of Barrington include:

- **Asset Management Experience.** Our stormwater, wastewater, and water infrastructure engineers have provided asset management and capital improvement planning services—including many multi-year programs—for more than 100 municipal entities. Some of our experience in New Hampshire includes a stormwater management program for the Town of Salem; a multi-year sewer assessment and capital project planning program for the City of Lebanon; and asset management plans for several other communities, including Ashland, Epping, Milford, Peterborough, and Wilton, funded in part by the NHDES Asset Management and Financial Planning Grant Program.
- **Experienced, Competent Personnel.** Under my direction, your project will be managed by **Jaurice Schwartz, PE**, a professional engineer with more than 20 years' experience in asset management projects in Ashland, Epping, Milford, Peterborough, and Wilton, who has managed numerous system evaluations and plans across New Hampshire and throughout New England. She also has experience obtaining funding through NHDES' SRF program.
- **In-House Capacity.** With more than 50 technical staff working out of our two New Hampshire office locations and a total of over 650 in-house staff throughout the Northeast, Weston & Sampson has the capacity and resources to address any project needs that may arise.
- **Multidisciplinary Engineering Services.** Weston & Sampson has capabilities across every area of civil engineering to include roadways, transportation, and bridge evaluation and engineering, in addition to our highlighted utility infrastructure qualifications. With more than 120 years' experience in municipal infrastructure engineering as a firm, we have helped our clients complete all manner of projects. In addition, our team of architects, structural, mechanical, and electrical engineers are prepared to support any type of vertical building project.

We are excited about the opportunity to work with the Town of Barrington on this project. Our enclosed qualifications statement, prepared in accordance with your RFQ requirements, provides further details regarding our experience and proposed project team. Please do not hesitate to contact me at 603-431-3937 or [perkinsc@wseinc.com](mailto:perkinsc@wseinc.com) if you have any questions regarding our submittal.

Sincerely,  
WESTON & SAMPSON ENGINEERS, INC.



Christopher M. Perkins, PE | Vice President / Regional Manager



One of New England's most active firms in the planning and design of municipal infrastructure systems, Weston & Sampson has been providing wastewater, stormwater, and water engineering services since its inception in 1899. Our experience, resources, and services extend to all phases of utility system rehabilitation, including studies, planning and preliminary design (cost-effectiveness analyses), detailed final design, permitting, project financial assistance, public bidding assistance, and construction administration.

As a multidiscipline firm with more than 650 professionals, Weston & Sampson provides municipalities and public agencies with solutions to their infrastructure challenges from a single source. Our work in asset management and capital improvements planning has been a natural extension of the comprehensive services we have provided throughout the region for years.

Nationally ranked #131 among the Top 500 Design Firms in the United States, according to the *Engineering News Record*, Weston & Sampson employs more than 50 professionals in our Portsmouth and Manchester New Hampshire offices.



Our team of experienced wastewater, stormwater, and water infrastructure engineers has provided asset management and capital improvement planning services—including many multi-year programs—for more than 100 municipal entities. Our experience in New Hampshire includes a multi-year sewer assessment program for the City of Lebanon, and master drainage plan for the Town of Salem, as well as asset management plans for several communities (Ashland, Epping, Peterborough, and Wilton), funded in part by the NHDES Asset Management and Financial Planning Grant Program.



Weston & Sampson has consistently remained at the forefront of obtaining available funding from federal and state sources to expand the scope of projects for our municipal clients. Weston & Sampson's services include assistance with project funding and financing strategies, and grant/loan application preparation. In preparing applications and submissions in support of grants/loans, permits, and any number of other deliverables, Weston & Sampson communicates with regulators frequently, both verbally and in writing, and our staff is well known and respected. ***Weston & Sampson has assisted multiple clients with NHDES-funded asset management projects and is familiar with the requirements of the program.***



Weston & Sampson's experience with asset management and capital improvement plans includes:

- AMP and CIP services for more than 100 municipal clients
- Multi-year programs
- AMPs funded in part by the NHDES Asset Management and Financial Planning Grant Program

Further details regarding our team's experience are provided in Sections 2 and 3.

Weston & Sampson  
transform your environment

Our mission is to protect, improve, and sustain the natural and built environment to enhance the quality of life.

Our clients are our partners; in our work at municipal facilities, we remain sensitive to community concerns and understand the need to minimize impacts to residents and neighbors.

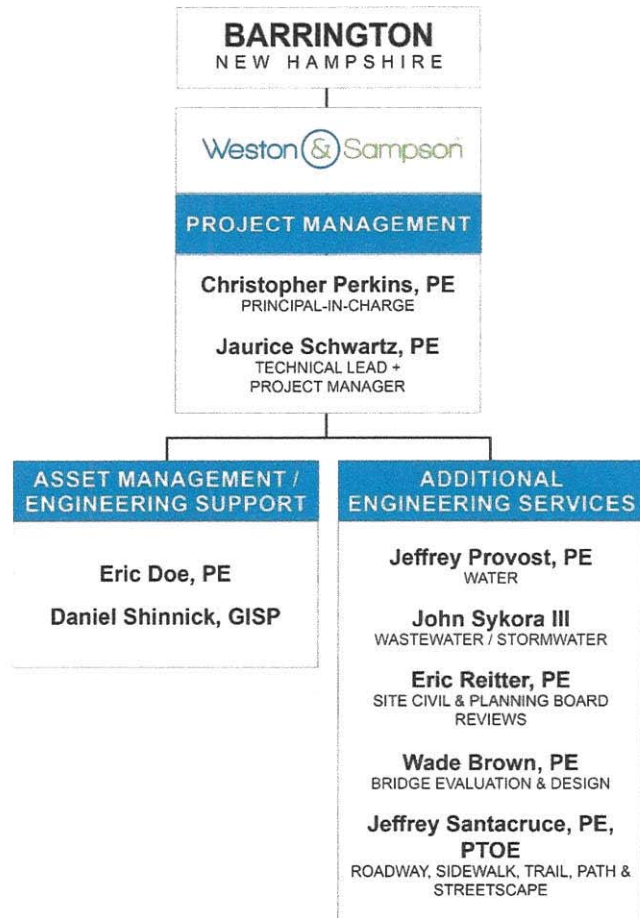




Our proposed team has tremendous experience working with municipalities throughout NH and understands the engineering and financial needs of local communities. **Principal-in-Charge Chris Perkins, PE, a New Hampshire registered professional engineer (NH #12004)**, will serve as the town's primary contact and will be responsible for the day-to-day progress of the asset management program. For your program, Chris is supported by a core team of experienced engineers that have a wide variety of engineering competencies

Our adjacent team organizational chart outlines the roles and responsibilities of our team members. We also have outlined the team for additional engineering services to illustrate how the team would work together.

To supplement our core team, **we have more than 50 technical staff in New Hampshire and an additional 350 within 40 miles of Barrington**. These staff include every type of civil engineering, as well as vertical design including mechanical, electrical, and structural engineering and architecture.

The table below summarizes our team members' qualifications for this project. Details regarding their relevant project experience are provided on the following pages.






Name / Title / Role / Education	Relevant Qualifications / Experience
<p><b>Christopher Perkins, PE</b>  Principal -in Charge  BS, Civil Engineering</p>	<p>NH-licensed civil engineer with 20+ years' experience in municipal infrastructure projects</p> <ul style="list-style-type: none"> <li>▪ Principal for asset management plans for Lebanon, Ashland, Epping, Peterborough, and Wilton, NH</li> <li>▪ Principal for Washington Street Water Main and Road Reconstruction and Lary Lane Groundwater Treatment Plant projects in Exeter</li> <li>▪ Principal for City-wide Sewer Assessment and Water &amp; Sewer Line Replacement in Lebanon, NH</li> <li>▪ Principal for Brick &amp; Floral Ave Reconstruction project in Dover, NH</li> </ul> 
<p><b>Jaurice Schwartz, PE</b>  Project Manager  BS, Civil Engineering MS, Civil Engineering</p>	<p>20 years' experience in wastewater and stormwater engineering</p> <ul style="list-style-type: none"> <li>▪ Project manager for MS4 permit compliance assistance, Salem, NH</li> <li>▪ Project manager for a stormwater capital improvement plan for Newton, MA and stormwater utility development in Newton, Chelmsford, Shrewsbury, Tewksbury and Winchester, MA</li> </ul> 



Name / Title / Role / Education	Relevant Qualifications / Experience	
<p><b>Eric Doe, PE</b></p> <p><b>Asset Management / Engineering Support</b></p> <p>BS, Civil Engineering MS, Civil Engineering</p>	<p>9 years' experience with water, wastewater, and stormwater asset management programs</p> <ul style="list-style-type: none"> <li>▪ Project engineer for complete condition assessment and capital project planning of the City of Lebanon's sanitary sewer assets, as well as the lead engineer for the development of a comprehensive GIS mapping system.</li> <li>▪ Project Engineer for asset management program of Town of Epping's waters assets including mapping, inventory database, assessment, and financial funding strategy. Project funded from NHDES.</li> </ul>	
<p><b>Daniel Shinnick</b></p> <p><b>GIS</b></p> <p>BS, Cartography &amp; GIS</p>	<p>GIS manager with 10+years' experience in geo-spatial technologies</p> <ul style="list-style-type: none"> <li>▪ GIS manager for sewer mapping, sewer data management, and inventory assessment in Lebanon, NH</li> <li>▪ Provided GIS services for asset management programs applications in Shrewsbury and Worcester, MA, and Burlington, VT</li> </ul>	
<p><b>Additional Engineering Services</b></p>		
<p><b>Jeff Provost, PE</b></p> <p><b>Water Engineering</b></p> <p>BS Civil Engineering MS Civil Engineering</p>	<p>NH-licensed civil engineer with more than 18 years' experience in municipal utility systems</p> <ul style="list-style-type: none"> <li>▪ Project engineer for evaluation of treatment alternatives for Newmarket's 300 gpm drinking water well.</li> <li>▪ Project engineer for Town of Hudson, NH capital improvement program including town's municipal water system</li> <li>▪ Project manager for town of Peterborough, NH asset management program. Prepared pipeline condition assessments to rank the overall condition of each pipeline in town</li> </ul>	
<p><b>John Sykora III</b></p> <p><b>Wastewater &amp; Stormwater Engineering</b></p> <p>BS, Civil Engineering</p>	<p>More than 20 years of experience providing project management, design, construction administration and inspection, resident engineering, and survey for water and wastewater projects</p> <ul style="list-style-type: none"> <li>▪ Local Public Agency (LPA) Certified, New Hampshire DOT</li> <li>▪ Engineer for Washington Street Water Main and Road Reconstruction in Exeter</li> <li>▪ Sewer and stormwater design engineer for the evaluation and preliminary and final design services for sewer system improvements for the Maplewood Avenue Water, Sewer, Stormwater &amp; Roadway Improvements project in Portsmouth, NH</li> <li>▪ Design engineer and Project Manager for Dover's Brick and Floral Avenue Water, Sewer, Stormwater &amp; Road Reconstruction Project and East Rochester's Water, Sewer, Roadway Project</li> </ul>	



Name / Title / Role / Education	Relevant Qualifications / Experience
<p><b>Eric Reitter, PE, PMP</b></p> <p><b>Site/Civil Engineering &amp; Planning Board Review</b></p> <p>BS Civil Engineering MS Civil Engineering</p>	<p>NH-licensed civil engineer with 26 years experience designing infrastructure for municipal, private, commercial, and federal clients throughout the US, with a focus on NH</p> <ul style="list-style-type: none"> <li>▪ As a consultant, provided engineering services to planning boards in Wakefield and Alton, NH, and Kittery, ME.</li> <li>▪ Currently provides townwide engineering services for New Durham, NH</li> <li>▪ Served as Town of Northwood planning board member for 7 years and chair for 4 years</li> </ul> 
<p><b>Wade Brown, PE</b></p> <p><b>Bridge Evaluation &amp; Design</b></p> <p>BS Agricultural Engineering MS Civil Engineering</p>	<p>NH-licensed structural engineer with more than 30 years' experience evaluating and designing bridges throughout NH including in Farmington, Bradford, Lebanon, Plymouth, Hookset, Warren, Weare, Keene, Goffstown, Walpole, and Bedford</p> <ul style="list-style-type: none"> <li>▪ Structural engineer for rehabilitation of 115-ft, single span, historic steel truss Patterson Hill Road Bridge over the Contoocook River in Henniker, NH</li> <li>▪ Lead Structural engineer for replacement of Great Bridge over Exeter River in Exeter, NH with new precast concrete superstructure supported on historic stone abutments. Funded under NHDOT Municipal Bridge Aid Program</li> <li>▪ Lead structural engineer for design of repairs to piers and abutments of 840-ft long I-89 bridge crossing the Connecticut River between Lebanon, NH and Hartford, VT for NHDOT</li> </ul> 
<p><b>Jeff Santacruce, PE, PTOE</b></p> <p><b>Roadway, Sidewalk, Trail, Path &amp; Streetscape</b></p> <p>BS Civil Engineering</p>	<p>Transportation Engineer with more than 20 years of experience leading stormwater, highway, and traffic engineering/transportation planning projects throughout New England and specifically in New Hampshire</p> <ul style="list-style-type: none"> <li>▪ Extensive experience with NHDOT and NHDOT-supervised projects, including in Meredith, Lebanon, Jefferson, Concord, Portsmouth, and Loudon, NH</li> <li>▪ Completed LPA training provided by NHDOT</li> <li>▪ Project manager for Lakeside Avenue Complete Street Project in Laconia, NH</li> <li>▪ Transportation engineer for Downtown Main St Complete Street Project in Concord, NH</li> <li>▪ Project manager for Peverly Hill Road Complete Street Reconstruction Project in Portsmouth, NH and traffic engineer for traffic engineering analysis and design and geometric roadway layout for Winchester Street Reconstruction in Keene, NH</li> </ul> 

Weston & Sampson has provided asset management and capital improvement planning services for more than 100 municipalities in throughout New England, with many of these efforts representing multi-year programs. The list below summarizes select communities and recent experiences. We invite you to contact our client references.

Client for Asset Management Services	Asset Management Planning Component					Capital Improvement Planning	Client Contact
	Asset Inventory	Level of Service Development	Risk Assessment/Asset Prioritization	Recommendations	Financial Planning		
Salem, NH Years of Service: 11+	•			•		•	Roy Sorenson, Municipal Services Director 21 Cross Street Salem, NH 03079 603-890-2150
Epping, NH Years of Service: 6	•	•	•	•	•	•	Dennis Koch, W&S Admin. 152 Main Street Epping, NH 03042 603-679-5441
Wilton, NH Years of Service: 3	•	•	•	•	•	•	Mike Bergeron 42 Main Street, PO Box 83 Wilton, NH 03086 603-654-2473
Ashland, NH Years of Service: 4	•	•	•	•	•	•	Rusty Cross, Utility Partners (Ashland Water & Sewer Department) 6 Collins Street Ashland, NH 03217 603-968-4002
Milford, NH Years of Service: 6	•	•	•	•	•	•	Kevin Stetson, 164 Nashua Street Milford, NH 03055 603-249-0661
Peterborough, NH Years of Service: 12+	•	•	•	•	•	•	Rodney Bartlett 1 Grove Street Peterborough, NH 03458 603-924-8000
Lebanon, NH Years of Service: 8	•			•		•	Christina Hall, PE, City Engr. 193 Dartmouth College Hwy. Lebanon, NH 03766 603-448-3112
Somerville, MA Years of Service: 3	•	•	•	•	•	•	Robert King, Director of Capital Projects DPW, 1 Franey Road Somerville, MA 02145 617-625-6600
Arlington, MA Years of Service: 20+	•	•	•	•	•	•	Michael Rademacher, PE, DPW Director 51 Grove Street Arlington, MA 02476 781-316-3101



Client for Asset Management Services	Asset Management Planning Component					Capital Improvement Planning	Client Contact
	Asset Inventory	Level of Service Development	Risk Assessment/Asset Prioritization	Recommendations	Financial Planning		
Woburn, MA Years of Service: 17	•	•	•	•	•	•	John Corey, City Engineer 10 Common Street Woburn, MA 01801 781-897-5882
Worcester, MA Years of Service: 20+	•	•	•	•	•	•	Paul Moosey, PE, Commissioner 20 East Worcester Street Worcester, MA 01604 508-799-1454
Shrewsbury, MA Years of Service: 5	•	•	•	•	•	•	Robert Tozeski Water & Sewer Superintendent 100 Maple Avenue Shrewsbury, MA 01545 508-841-8506
Winchester, MA Years of Service: 20+	•	•	•	•	•	•	Margaret White Project Manager 71 Mount Vernon Street Winchester, MA 01890 781-721-7165
Peabody, MA Years of Service: 20+	•	•	•	•	•	•	David Terenzoni Director Public Services DPS, 50 Farm Avenue Peabody, MA 01960 978-536-7123
Newton, MA Years of Service: 20+	•	•	•	•	•	•	Theodore Jerdee Director of Utilities 60 Elliot Street Newton, MA 02461 617-796-1650
Burlington, MA Years of Service: 12+			•	•		•	Brian White Assistant Town Engineer DPW, 25 Center Street Burlington, MA 01803 781-270-1640

## Summary Descriptions of Relevant Projects

**NPDES Phase II Small MS4 General Permit Compliance, Town of Salem, NH**

Weston & Sampson has been assisting the Town of Salem in complying with its General Permit for Stormwater Discharges from its municipal separate storm sewer system (MS4 General Permit). Since 2009, we completed the town's annual reports in compliance with the 2003 MS4 General Permit. ***This entailed gathering all infrastructure data and compiling into a complete inventory and asset management database.*** We also completed a detailed assessment of what it will cost the town to comply with the requirements of the 2017 MS4 Permit. Also, Weston & Sampson has been helping the town to implement best management practices (BMPs) to meet the requirements of the 2003 and 2017 MS4 Permits, including updating the drainage GIS.

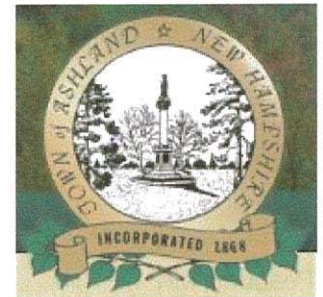


Weston & Sampson also developed a master asset management study for all stormwater infrastructure that prioritized repairs and provided construction cost estimates that enabled the town to develop a drainage improvements capital spending program based upon industry-standard asset management principles.

**Asset Management Planning Programs, Towns of Ashland, NH; Milford, NH; Peterborough, NH; & Wilton, NH**

Weston & Sampson performed assessments of Ashland, Milford, Peterborough, and Wilton's infrastructure assets by evaluating the condition and remaining useful life of the assets, and criticality of the asset to create an efficient allocation for funds for future asset rehabilitation or replacement. Each of the projects were funded in part by an Asset Management and Financial Planning grant from NHDES.

An asset inventory database was developed following a facilities walkthrough with each Town's personnel and included the date of installation, condition, and service history of each asset -factors were used to estimate the remaining useful life of each asset. The database also assigned a criticality ranking to each asset based on existing condition, presence of redundant units in the case of interrupted service, and overall importance of the asset to normal system operation. Critical assets with low remaining useful life estimations were prioritized for rehabilitation and included in a capital improvement plan.



We also conducted a financial assessment of the Towns' expenses and revenues, and the ability of the current rate structure to fund system improvements. Recommendations on future funding strategies were provided based on these findings.





## Summary Descriptions of Relevant Projects

**Wastewater and Stormwater Capital Improvement Programs, City of Newton, MA.**

Weston & Sampson developed an *11-year capital improvement program for the city's wastewater collection system*. Critical to the program was the development of a comprehensive GIS map that displayed data from previous sewer system evaluations and construction projects, and a series of maps to show the proposed capital improvement program. Annual integration of improvement to roadway assets and consideration of planned private development helps direct annual investments.



Weston & Sampson also developed a *multi-year capital improvement plan for the city's stormwater system*, enabling the city to plan and prioritize stormwater projects, obtain the funding necessary to complete the work, help protect flood-prone areas, improve water quality, and comply with the extensive requirements of the 2016 MS4 General Permit.

**Wastewater Program Planning and GIS, Town of Burlington, MA**

Weston & Sampson developed a wastewater GIS and program plan to review and create maps to depict prior I/I work, create a geometric sewer network, and develop recommendations to identify future I/I sources. Work included converting the town's GIS shapefile format data into an ESRI ArcGIS compatible geodatabase, merging existing Microsoft Access databases of I/I tables, linking the merged tables to the GIS, and creating GIS maps depicting I/I work completed per line segment and manhole. Subsequently, the town selected Weston & Sampson for a series of projects to implement the GIS and program planning recommendations.

**Sewer and Combined Sewer Capital Improvement Program, City of Somerville, MA**

Weston & Sampson developed a capital improvement program for the city's sanitary sewer and combined sewer systems. The primary goal of program was to minimize collection system infiltration, create dry weather capacity for future development, and repair structural defects.

Weston & Sampson's 18-year CIP addresses Somerville's 727,682 linear feet (138 miles) of sanitary sewer and combined sewer. The CIP prioritizes the evaluation and repair of Somerville's sanitary sewer and combined sewer assets to reduce infiltration and improve system performance. As part of the CIP, Weston & Sampson evaluated available sanitary sewer, combined sewer, and drainage system data, and developed a multi-year program to meet the community's wastewater collection system goals.

**Sewer System Assessment, GIS Development, and Capital Program Prioritization, City of Lebanon, NH**

Weston & Sampson updated the City of Lebanon's sewer GIS and conducted an assessment of more than 330,000 linear feet of sewer for infiltration and inflow (I/I). This program included an initial year of survey and evaluation followed by multiple annual rounds of I/I assessment to identify most critical system needs.



Phase 1 included an update to the wastewater collection system GIS, including a data update for 1,600 manholes, ~330,000 feet of pipe, sewer pipe material, diameter, installation year, slope, length, and elevations; linking of record drawings to GIS features; development and implementation of sewer manhole labeling system; and a schedule for a three-year sewer I/I assessment program. The I/I program included smoke and dye testing, sewer cleaning, sewer television inspection, manhole inspections, review of TV inspections and annual reporting, followed by recommendations.

All of this information was then utilized to develop a system-wide sewer model to identify capacity issues across



### Summary Descriptions of Relevant Projects

the system, with particular emphasis on the main sewer interceptor. Growth within the community was hindered by the lack of sewer capacity, so the model was utilized to develop a prioritized list of capital projects that gain capacity in critical areas while addressing areas identified as being at risk of failure and having high consequence of failure scores. This approach was fully supported by the Lebanon City Council.

#### Asset Management Program for Wastewater Collection System, Town of Arlington, MA

Weston & Sampson developed an annual asset management program for the Town of Arlington's wastewater collection system. Following a review of previous reports and maintenance records and interviews with town personnel, rated sewer subareas were prioritized into a yearly sanitary sewer investigation and planning program (SSIPP) for investigation of +50,000 feet of sewer annually, followed by rehabilitations. The yearly program weights improvements to water and roadway infrastructure to direct annual investments. Weston & Sampson also developed a complete sewer GIS based on existing plans and planimetric data. The GIS serves as the central repository for all inspection data and reports created under this project.



#### Wastewater and Stormwater Consultant Services, City of Woburn, MA

As the city's long-time consultant, Weston & Sampson has provided asset management and capital improvement planning services on a range of projects. Relevant work includes a complete revision to the city's Sewer Use Ordinance, emphasizing the prohibition of illegal I/I connections to the sewer system, adding new programs to protect the sewer system, and developing a private inflow removal program. Subsequent I/I studies, the cornerstone of Woburn's approach to minimize sewer overflows, have been conducted in accordance with a preliminary CMOM program to address both I/I and O&M related issues.

Weston & Sampson also conducted a condition assessment of streams with historic flooding issues in portions of the City. In all, 13 areas were identified by the City, and a walking stream survey was completed for each of these areas, totaling ~34,000 linear feet. Potential access points for stream/culvert maintenance and cleaning were identified, as well as other valuable information such as the location of unmapped outfalls and drainage structures. Utilizing the data, detailed maintenance plans were developed.



#### Asset Management Planning, Town of Epping, NH

Weston & Sampson conducted an asset management assessment of the town's above-ground water system assets. Funded in part by a grant from the NHDES, the project included development of an asset inventory database, water system mapping, and a financial funding strategy. The project focused on improving knowledge of the water system, prolonging asset life, and creating an efficient allocation of funds for future rehabilitation or replacement of critical assets. Other project components included the development of a "Level of Service" statement for the water system, and a public education meeting to present the asset management approach and results to the public and to the water commissioners. Project findings were presented in a final report to the Town of Epping.





Weston & Sampson has consistently remained at the forefront of obtaining available funding from state and federal sources to expand the scope of projects for our municipal clients. Our experience in preparing, securing, and administering federal, state, and local loans and grants has strengthened our reputation as a firm that cares about the communities it serves. Weston & Sampson's services include assistance with project funding and financing strategies, and grant/loan application preparation.

As one of the few state-wide contractors, Weston & Sampson is working on behalf of New Hampshire communities and NHDES on many projects across southern New Hampshire. This has generated strong working relationships with NHDES and legislative leadership.

**We have a track record of coordination/cooperation with regulatory agencies.** Weston & Sampson regularly assist our clients with a wide variety of tasks that require coordinating with and gaining consensus from federal, state, and local agencies. In preparing applications and submissions in support of permits, grants/loans, enforcement activities, and any number of other deliverables, we communicate with regulators frequently, both verbally and in writing, and our staff is well known and respected. Due to the regularity with which we work with regulatory parties, we have strong relationships and are able to facilitate cooperation between clients and regulators in order to ensure resolution of issues and project success.

## STATE FUNDING EXPERIENCE

Weston & Sampson has extensive experience dealing with projects funded through the SRF and NH DWG Trust Fund programs. **Our NH team is actively managing New Hampshire projects that total over \$30 million in SRF and NH DWG Trust Fund monies.** We also have experience with the State Aid Grant (SAG) and State Aid Grant Plus (SAG+) programs, which provides financial assistance in the form of a grant for eligible costs related to the planning, design, and construction of certain wastewater projects and septage management solutions.

Our work on similar, New Hampshire infrastructure projects has provided us the opportunity to work with key personnel within all sections of NHDES. We are intimately familiar with the NHDES design review process and the recently adopted Standards of Design and Construction for Sewerage & WWTFs (Chapter ENV-Wq 700).



In recent years, Weston & Sampson has provided SRF/SAG/SAG+ loan funding assistance for dozens of communities, including **Ashland, Concord, Derry, Durham, Hudson, Lebanon, Lincoln, Manchester Water Works, Newmarket, Portsmouth, Rochester, Salem, and Wolfeboro, New Hampshire.**

### New Hampshire Community Development Finance Authority

The New Hampshire Community Development Finance Authority administers the Community Development Block Grant (CDBG) program with funds allocated by HUD. This program grants state and local community funds to provide housing and create jobs primarily for low- and moderate-income people. Grants of \$500,000 for capital projects and \$12,000 for studies/investigation projects are available for eligible communities. Eligibility is based on the median household income of the community or specific sections (blocks) of the community.



## FEDERAL FUNDING EXPERIENCE

Our staff has worked with many communities in several capacities to maximize the money available for each project under various programs, including State Revolving Loan Funds (SRF), as well as federal funding sources such as the Economic Development Administration (EDA), the American Recovery and Reinvestment Act (ARRA), the US Environmental Protection Agency (EPA), and the US Department of Agriculture Rural Development Office (RD) and



Housing and Urban Development (HUD). Weston & Sampson has provided design and/or construction administration services for projects funded through federal grant sources.

We are accustomed to specialized reporting requirements as well as the limitations of funding inherent with state and federally funded projects, and we apply our experience in this area to ensure a smooth design and construction process on our clients' projects.

Below we list a selection of recent federally funded projects for which our staff has provided services:

#### EDA- and ARRA-Funded Projects

- Salisbury, MA – Industrial Park Area Sewer Project and Industrial Park Area Water Main Replacement Project
- Orono-Veazie Water District, ME – Bennoch Road Water Treatment Facility Upgrades
- Abington & Rockland Joint Water Works – Water Treatment Residuals Project
- Chelmsford, MA – Sewer System Design and Construction
- MA-DCR – Newton Square Sewer Replacement Project, Worcester, MA
- Newburyport, MA – Wastewater Treatment Facility Improvements
- Northbridge, MA – Roadways
- Southbridge, MA – Water Treatment Plant Improvements
- Scituate, MA – Sewer Extension Project
- Hartford, CT – MDC Clean Water Project
- New London, CT – Montauk Ave Road Improvements
- Stockbridge, MA – Water System Improvements Project

The USDA RD offers loan and grant programs to public bodies or non-profit associations serving a community to develop or improve water and wastewater systems, including storm drainage. These programs can also be combined with other sources of funding, and we are well experienced helping our clients develop comprehensive funding packages that best leverage available local dollars. The eligibility for this environmental program is based on population and medium household income. **Barrington is eligible for USDA RD funding programs, and we are prepared to discuss how best to couple these possible grant/loan funding packages with other sources.**



Committed to the future of rural communities.





## GENERAL ENGINEERING SERVICES

A full-service consulting firm with over a century of engineering experience throughout the Northeast, Weston & Sampson has been providing municipalities with cost-effective and innovative solutions to their infrastructure and environmental challenges for 120 years. Our areas of expertise include:

- **Water Supply Pumping, Distribution & Treatment**
  - Utility Design
  - **Bridge Evaluation & Design**
  - **Planning Board Peer Review**
- **Site/Civil Engineering**
  - Compliance/Permitting
  - Architecture / Facilities Design
  - Solid Waste Management
  - Geotechnical & Structural
  - **Stormwater Management**
- **Wastewater Collection & Treatment**
  - Construction Oversight & Management
  - **Roadway, Sidewalk, Trail, Path & Streetscape Evaluation**

### Representative Projects

Below, we provide descriptions of specific projects that demonstrate our experience related to the services described in your RFP. In addition to the projects below, we are also providing similar services to the communities of Salem, Keene, Exeter, Laconia, Lebanon, Rochester, and New Durham, .

Project Title & Location	Scope of Services
<p><b>Rochester On-Call Engineering Services</b> Rochester, NH</p> 	<ul style="list-style-type: none"> <li>▪ As part of on-call contract, providing planning board reviews review of water/sewer connections, driveway cuts, bonding for private developments.</li> <li>▪ Engineering for numerous projects including multi-phase project in East Rochester (approximately 22,564 feet of sewer line, 84 manholes, and two pump stations) and the Gonic area (approximately 20,600 feet of sewer line), Extensive roadway and sidewalk improvements, water main replacement &amp; NHDOT design/ construction coordination &amp; State Revolving Loan Fund (SRLF) and grants</li> <li>▪ Engineering for new \$22M Department of Public Works Facility</li> </ul>
<p><b>On-Call Engineering Services</b> New Durham, NH</p>	<ul style="list-style-type: none"> <li>▪ Recently selected by Town to provide town-wide engineering services for landfill, roadway, stormwater, dam, permitting, planning board reviews and facility engineering projects</li> <li>▪ Providing grant assistance for Merrymeeting River watershed improvements to address runoff into the river under EPA funded grant. Coordinating with NH Fish &amp; Game, and NHDOT</li> <li>▪ Providing monitoring and inspections of the New Durham landfill</li> </ul>
<p><b>Washington Street Water Main &amp; Road Reconstruction</b> Exeter, NH</p> 	<ul style="list-style-type: none"> <li>▪ Water engineering services for the design of the Washington Street water main replacement and road reconstruction</li> <li>▪ Roadway design, development of profiles and sections, traffic considerations, replacement of 2,000 linear feet of 8-inch water main, temporary water system layout, service connections, and an examination of project sequencing requirements</li> <li>▪ Subsurface investigation to gather information for use in utility and roadway design.</li> <li>▪ Construction administration services with positive public engagement</li> </ul>
<p><b>Planning Board Assistance / Peer Review</b> Towns of Alton, Wakefield, New Durham, NH &amp; Kittery, ME <i>* Eric Reitter with former employer</i></p>	<ul style="list-style-type: none"> <li>▪ As a consultant to the communities, supported Planning Boards by reviewing plans and engineering documents for site plans and subdivisions.</li> <li>▪ Completed more than 40 reviews and projects for the communities.</li> <li>▪ Completed reviews for compliance with local, state and federal regulations, as well as with standard engineering practice</li> <li>▪ Conducted inspections during construction for compliance with the approved documents</li> </ul>



Project Title & Location	Scope of Services
<p><b>Prescott Park Planning &amp; Design</b> Portsmouth, NH</p> 	<ul style="list-style-type: none"> <li>▪ Site/civil engineering, master planning, and landscape architecture for historic park restoration on the Piscataqua River in downtown Portsmouth</li> <li>▪ Developed plan to improve facilities, utilities, and park infrastructure; incorporate multi-generational recreational opportunities, pedestrian connections, and climate change/resiliency considerations; and conducted extensive public input and participation program</li> <li>▪ Design is currently underway and the City intends to complete some improvements by its 400<sup>th</sup> anniversary in 2023</li> </ul>
<p><b>Bridge Evaluation &amp; Design</b> Northfield, VT</p> 	<ul style="list-style-type: none"> <li>▪ Retained by Town immediately after Tropical Storm Irene to perform emergency structural inspections of eight bridges impacted by storm</li> <li>▪ Prepared bridge condition report including photo documentation, sketch of the damage, and recommendations for rehabilitation</li> <li>▪ Damage included failure of concrete abutment and wingwall, allowing concrete deck to be unsupported at West Hill Road Bridge; an abutment that moved beneath a covered bridge on Slaughterhouse Road; and numerous bridge approaches that washed out</li> <li>▪ Prepared report to provide recommendations for immediate implementation to protect health and safety of public</li> </ul>
<p><b>Maplewood Avenue Water, Sewer, Stormwater &amp; Roadway Improvements</b> Portsmouth, NH</p> 	<ul style="list-style-type: none"> <li>▪ Evaluated and designed replacement of 11,000-ft of roadway, water, sewer, and stormwater improvements, and administered construction of work.</li> <li>▪ Conducted hydraulic assessment of the city's water system and hydraulic assessment of the proposed inverted sewer siphon design</li> <li>▪ Evaluated the city's CCTV inspection to identify pipe conditions and make cost-effective sewer improvement recommendations</li> <li>▪ Met with the city and team members during the design to provide status reports, obtaining Owner's approval at project milestones, and attending public hearings related to the project</li> </ul>
<p><b>Brick &amp; Floral Avenue Utility Upgrades &amp; Road Reconstruction</b> Dover, NH</p> 	<ul style="list-style-type: none"> <li>▪ Preliminary design services for neighborhood reconstruction including roadway, stormwater, water, and sewer system improvements in the Brick Road, Floral Avenue, and High Ridge Drive area</li> <li>▪ Concept design of alternatives for addition of sidewalks, improvements to drainage, streetscape, and complete street design considerations</li> <li>▪ Worked with the City to present a conceptual layout to the neighborhood through multiple public engagement processes</li> <li>▪ Positioned to advance project once city secures easements necessary to complete the project.</li> </ul>
<p><b>Downtown Main Street Complete Street Project</b> Concord, NH <i>* Jeff Santacrucce with former employer</i></p> 	<ul style="list-style-type: none"> <li>▪ Traffic engineering analysis and design services to convert Main Street's four-lane vehicular roadway to a two-lane roadway (i.e. Road Diet) with multi-modal elements, new lighting, and LED Blank-Out panels with a "No Right Turn" indication to increase pedestrian safety</li> <li>▪ Design of signal intersection improvements and pavement marking and sign installation</li> <li>▪ Received six local awards and two national awards including ITE's Complete Street award</li> </ul>