

Salisbury Pathways Committee

Sixty-Nineth Meeting

Date and Time: Monday, October 17, 2022, at 5:30 p.m.

Location: Virtual via Zoom.

Present via Zoom: Natalia Smirnova, Kathy Trahan, Pat Hackett, Gerry Stanton, Chris Williams

Minutes:

Call to order -- 5:31 p.m.

1. Approval of the minutes of September 12, 2022.
Approved unanimously.
2. Status of the Connectivity Grant.
Marc Mancini received an approval letter from the CTDOT for the permitting of the pedestrian bridge. Next steps include filling out a few pages of Final Design Submission Documents for the DOT and putting the project out to bid for construction.
These documents are attached to the minutes.
The forms are to be filled in the coming weeks. Hopefully approved by DOT soon after. Hopefully bidding and breaking ground in the Spring 2023.
3. Status of Library to Salmon Kill Road Sidewalk.
The work commenced. The workers are putting base this week. Paving depends on the weather. But the project is going forward.
4. Re-appointment of Committee members whose term is up: Natalia.
Discussion and Vote: re-appoint Natalia Smirnova for the next 3-year term (exp. 11/2025).
5. Progress of funding opportunities research: Gerry and Kathy.
Discussion commenced. Ideas: Federal and State funding, COGS, Connectivity Program of DOT, DOT Finance Department – 5-year planning, “Bike and Walk Connecticut” program. Kathy and Gerry to continue researching.
6. Citizens comments – no citizens were present.
7. New Business:
 - Sidewalk repair in Lakeville.
Pictures of cracks in the sidewalk across from St. Mary’s Church were looked at and the situation was discussed. Pat will look at the cost estimates of various repair options and will come up with suggestions for the next meeting.
 - Final connection between Salisbury and Lakeville.
After the completion of “Library to Salmon Kill” and “Lincoln City Road to Brook Street” projects, there will be 2,300 feet left between Salisbury and Lakeville villages. Pat suggested developing a preliminary design. Committee approved.

Meeting adjourned at 5:59 p.m.

Minutes respectfully submitted by Natalia V. Smirnova, Secretary, on October 19, 2022.



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION



2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546

October 14, 2022

The Honorable Curtis G. Rand
First Selectman
Town of Salisbury
27 Main Street, P.O. Box 548
Salisbury, Connecticut 06068

Dear Selectman Rand:

Subject: Flood Management Certification (FMC)
Community Connectivity Grant Program – DOT Project 0170-3513 (0121-CCP1)
Sidewalk Construction along S.R. 44 over Pettee Brook
Town of Salisbury

In accordance with the Memorandum of Understanding (MOU) between the Connecticut Department of Transportation (Department) and the Connecticut Department of Energy and Environmental Protection (DEEP) regarding flood management certifications for municipal projects, the Department has completed the review of the flood management certification prepared and submitted for the Town of Salisbury for the subject project. The certification states that the proposed activity is consistent with all applicable standards and criteria established in Section 25-68d(b) of the Connecticut General Statutes and Sections 25-68h-1 through 25-68h-3, inclusive, of the Regulations of Connecticut State Agencies.

The proposed project involves the construction of sidewalk along S.R. 44 and crossing Pettee Brook in Salisbury, Connecticut, as shown on the Final Design Plans, dated August 23, 2022, and as documented in the Hydraulic Report, revised July 2022. The project is located within the 100-year flood zone of the Pettee Brook.

The certification is complete and approved, subject to the following standard conditions:

Standard Conditions:

1. Time of Year Restriction on In-water Construction
 - a. Between September 30th and May 31st, the municipality shall not place fill, excavate material, or conduct any other construction activity in any watercourse

The Honorable Curtis G. Rand

October 14, 2022

unless such activity is confined by a cofferdam or other device which isolates such activity from the watercourse, unless the DEEP Inland Fisheries Division has given written authorization otherwise.

- b. The municipality shall not place fill, excavate material, or conduct any other activity in any watercourse stocked with fish by the Commissioner or any other person, or in any tributary to such watercourse, from 12:01 a.m. on the Monday preceding the third Saturday in April through 12 midnight on the Sunday preceding the fourth Saturday in April.
- c. The municipality shall not place fill, excavate material, or conduct any other construction activity in or adjacent to any watercourse, which activity may adversely affect anadromous fish, during the time period when anadromous fish are known or reasonably believed to be migrating in the watercourse.

2. Pollution Prevention/Best Management Practices

The municipality shall not cause or allow the authorized activity, including any construction associated therewith, to result in pollution or other environmental damage and shall employ best management practices to prevent such damage. The municipality shall, in addition to employing any other best management practices necessary to prevent such damage, do the following:

a. Controlling Erosion

The municipality shall install and maintain in optimal condition erosion and sedimentation controls to prevent erosion and discharge of material into any waters of the state, including wetlands, as a result of the authorized activity or any construction associated therewith. Such controls shall be installed and maintained in conformance with the *Connecticut Guidelines for Soil Erosion and Sediment Control*, as revised, published by the Connecticut Council on Soil and Water Conservation pursuant to Section 22a-328 of the Connecticut General Statutes.

b. Proper Disposal of Material

All material and solid waste generated during any construction associated with such activity shall be disposed of in accordance with applicable federal, state, and local law.

- 3. Storage of equipment/material within the floodplain should be avoided; but, if absolutely necessary, the municipality will require the contractor to remove equipment and materials from the 100-year floodplain during periods when flood warnings have been issued or are anticipated by a responsible federal, state, or local agency. It shall be the contractor's responsibility to be knowledgeable of such warnings when flooding is anticipated.

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4. Work shall not be conducted in or adjacent to watercourses and reservoirs used as public drinking water supply sources without coordination with the water supply utility and the Department of Public Health.
5. All temporary structures, cofferdams, and fill shall not impede the movement of flood flows and shall be removed at the completion of their use. The design of such temporary structures, cofferdams and fill shall be based on the DOT Drainage Manual, where applicable. Sheet piling that is cut 1 foot below existing grade shall be considered removed.
6. All fill shall be clean material, free of stumps, rubbish, hazardous, and toxic material.
7. Once work is initiated, it shall proceed rapidly and steadily until completed and stabilized in order to minimize use of temporary structures and to minimize soil erosion.

Please be advised of the following project specific information:

1. Pursuant to Standard Condition 1.c, coordination with DEEP Inland Fisheries Division concluded that there were no anadromous fish of concern within the project area.

A copy of the completed certification forms is attached for your records. No revisions or alterations to the approved plans are allowed without first obtaining written approval from the Department for such alterations.

This letter and certification forms must be attached to any subsequent permit applications for the municipal project that are submitted to the DEEP or the U.S. Army Corps of Engineers.

If there are any questions, please contact Mr. Michael Hogan, Transportation Principal Engineer for the Hydraulics and Drainage Section, at michael.hogan@ct.gov.

Very truly yours,

DocuSigned by:

Mark F. Carlino, P.E.

Mark F. Carlino, P. E.

Engineering Administrator

Bureau of Engineering and Construction

Enclosures

cc: Mr. Jeff Caiola, DEEP

**Statewide Flood Management Certification for
Federally and State Funded Municipal Projects**

Attachment A: DOT

A-1: Engineering Certification

Name of Subject Facility and DOT Project Number:

**CT State Route 44 Sidewalk Improvements, Salisbury
CT DOT Project No. 0121-CCP1 (0170-3513)**

Name of floodplain and watercourse:

Pettee Brook

I hereby certify, in reliance on the Municipal Official Certification, the Town Engineer / Consultant-Professional Certification, the DOT Hydraulics and Drainage Section and the DOT Environmental Planning reviews, that the above referenced project qualifies for the DEP Commissioner's approval pursuant to Section 25-68d of the General Statutes, and that the proposed activity described in this application is consistent with all applicable standards and criteria established in Sections 25-68d(b) of the General Statutes and Sections 25-68h-1 through 25-68h-3, inclusive, of the Regulations of Connecticut State Agencies.

Signature:

DocuSigned by:

Mark F. Carlino, P.E.

4A19778C34334C9...

10/13/2022

Date

Print/Type:

Mark F. Carlino

Transportation Engineering Administrator
Bureau of Engineering and Construction

**Statewide Flood Management Certification for
Federally and State Funded Municipal Projects**

Attachment A: DOT

DOT Project No. 0121-CCP1 (0170-3513)

A-2: Hydraulics and Drainage Section Review

Based on my review and reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the proposed activity described in this application is consistent with all applicable standards and criteria established in Sections 25-68d(b) of the General Statutes and Sections 25-68h-1 through 25-68h-3, inclusive, of the Regulations of Connecticut State Agencies.


Signature:  Digitally signed by Michael E. Hogan, P.E.
Date: 2022.10.03 13:55:47-04'00'

Date

Print/Type: Michael E. Hogan
Transportation Principal Engineer
Hydraulics and Drainage Section

A-3: Environmental Planning Review

Based on my review and reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the proposed activity described in this application is consistent with all applicable standards found in the 2004 Connecticut Stormwater Manual, 2002 Erosion and Sedimentation Control Guidelines (as amended) and that there has been proper coordination with the Inland Fisheries Division and the Natural Diversity Database.

Signature:  Digitally signed by Andrew H Davis
DN: C=US, E=aandrew.h.davis@ct.gov, O=Connecticut
Department of Transportation, OU=Natural Resources
Planning, CN=Andrew H Davis
Date: 2022.10.03 12:42:33-04'00'

Date

Print/Type: Andrew H. Davis
Transportation Supervising Planner
Office of Environmental Planning

**Statewide Flood Management Certification for
Federally and State Funded Municipal Projects**

Attachment B: Municipality

B-1: Municipal Official Certification

Name of Applicant / Municipality: **Town of Salisbury, Connecticut**

DOT Project No.: **0121-CCPI**

Description of Proposed Project: **Sidewalk construction along S.R. 44 over Pettee Brook**

1. The recipient of federal and/or state funding will be:

Name: **Curtis Rand, First Selectman**

Mailing Address: **27 Main Street, P.O. Box 548**

City/Town: **Salisbury**

State: **CT**

Zip Code: **06068**

Phone: **860-435-5170**

ext.

Fax:

Based on my review and reasonable investigation, including my inquiry of those individuals responsible for preparing the information, the proposed activity described in this application is consistent with all applicable standards and criteria established in Sections 25-68d(b) of the General Statutes and Sections 25-68h-1 through 25-68h-3, inclusive, of the Regulations of Connecticut State Agencies.

I understand that a false statement made in the submitted information may, pursuant to Section 22a-6 of the General Statutes, be punishable as a criminal offense under Section 53a-157b of the General Statutes, and may also be punishable under Section 22a-438 of the General Statutes.

Signature:



September 14, 2022

Date

Print/Type:

Curtis G. Rand

First Selectman

**Statewide Flood Management Certification for
Federally and State Funded Municipal Projects**

Attachment B: Municipality

B-2: Town Engineer / Consultant - Professional Certification

DOT Project No.: **0121-CCP1**

Description of Proposed Project: **Sidewalk construction along S.R. 44 over Pettee Brook**

Plan Dated and Revised Through: **August 23, 2022**

Hydrologic and Hydraulic Study Dated: **Hydraulic Report – January 2022, revised July 2022**

I hereby certify that the prepared information and the proposed activity described in this application is consistent with all applicable standards and criteria established in Sections 25-68d(b) of the General Statutes and Sections 25-68h-1 through 25-68h-3, inclusive, of the Regulations of Connecticut State Agencies.

I understand that a false statement made in the submitted information may, pursuant to Section 22a-6 of the General Statutes, be punishable as a criminal offense under Section 53a-157b of the General Statutes, and may also be punishable under Section 22a-438 of the General Statutes.

Signature:

Gary R Nash

September 14, 2022

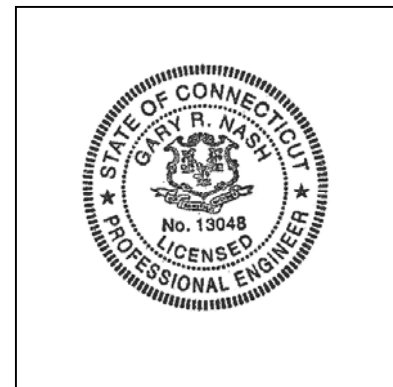
Date

Print/Type:

Gary R. Nash

P.E. Number:

13048



COMMUNITY CONNECTIVITY GRANT PROGRAM

FINAL DESIGN SUBMISSION DOCUMENTATION

To be submitted upon completion of final design activities,

Final Design Submission is hereby made by the Municipality of _____
for funding under the Community Connectivity Grant Program for the following project:

Project Title: _____

Project Location: _____

Engineer of Record (CT Professional Engineer Responsible for Project Design):

Name: _____

Firm: _____

License No.: _____ Telephone: _____ FAX: _____

Street Address: _____

City, State, ZIP: _____

E-Mail: _____

Municipal Administrator (Employee Responsible for Construction Administration)

Name & Title of Official Contact: _____

Street Address: _____

City, State, ZIP: _____

Telephone Number(s): _____

E-Mail: _____

Items submitted as part of the final package

- ☐ Plans
- ☐ Specifications
- ☐ Contract Documents
- ☐ Engineer's Final Estimates
- ☐ General Municipal Certification for Design Activities Form

Project Schedule:

Anticipated Construction Advertising	_____
Anticipated Construction Contract Award	_____
Anticipated Construction Start	_____
Anticipated Construction Completion	_____

Summary of Project Cost vs Grant Amount

A.	Total Estimated Project Construction Cost	\$
B.	Total Grant Amount Awarded to Municipality	\$
C.	Payment to Be Issued to Municipality Under This PAL (Must be equal or less than line B)	\$
D.	Anticipated Balance of Grant Awarded to Municipality (B minus C)	\$
E.	Estimated Costs Over the Grant Award Amount That Shall Be the Responsibility of the Municipality (If B is less than A)	\$

Community Connectivity Grant Program

GENERAL MUNICIPAL CERTIFICATION FOR DESIGN ACTIVITIES

To be included with the Final Design Submission.

Project Title: _____

I, _____, duly authorized
by the _____ of _____, do certify and attest to the following:

1. Approval and acceptance of all plans, specifications, and estimates as certified by the Engineer below.

I, _____ (Engineer's name), do hereby certify that the geometric design complies with the latest Connecticut Department of Transportation Highway Design Manual criteria, or previously approved digressions from that standard.

Signed _____ Date _____

Connecticut P.E. Registration _____ (Stamp or Seal)

2. That the municipality owns or has the responsibility for maintaining the facility for which funding is sought and will be responsible for all future maintenance of the facility.
3. That all public and private utility relocations have been addressed.
4. That all permits required from Federal, State, and local agencies have been obtained, and all applicable permits, permit conditions, and regulations will be complied with.
5. That this Project involves activity or critical activity within or affecting the floodplain.

_____ Yes _____ No

If yes, the Municipality has received the required permit approvals (via the Department) for activity or critical activity within or affecting the floodplain pursuant to Section 25-68b through 25-68h of the Connecticut General Statutes or an exemption (via the Department) from the Commissioner of the Department of Energy and Environmental Protection from such approval or approval with conditions.

_____ Yes _____ No

6. A Public involvement process has been completed, the concerns of the residents have been considered, the project is in the best interest of the general public.
7. All items that were shown to need attention on the "Community Connectivity Grant Program, Environmental Screening Checklist" have been adequately addressed.

8. Project is consistent with the local conservation and development plan.
9. The municipality has coordinated with the Department's District Special Services Office during the design phase and the design has been deemed acceptable for issuance of an encroachment permit for all work within the State right of way.
10. Rights of Way (select one)

- ☐ There are no right of way acquisition activities required as part of the proposed project.
- ☐ All right of way activities associated with the project have been completed as evidenced by submission of documentation required by the Department's Engineering Directive for "State Funded Municipal Projects Requirements for Rights of Way Acquisitions". A copy of this directive can be found at: <http://ctconnectivity.com/ccgp/>

The purchase price for all property rights being acquired represents the fair market value of such property rights, as established by a certified appraiser.

For all property rights that were acquired by donation, a Waiver of Compensation and Appraisal Form has been properly executed.

Any relocations were completed in conformance with the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended.

11. Plans and specifications are complete and signed and sealed by the Engineer of Record.

Signed _____ Date _____

Municipal Seal



July 17, 2019

Mr. Curtis Rand, First Selectman
Town of Salisbury
27 Main Street, P.O. Box 548
Salisbury, CT 06068

**RE: Feasibility, Survey, and Design Services for
Main Street Sidewalk Connection
Salisbury, Connecticut
MMI #3039-06-0**

RECEIVED
MAR - 4 2020

MILONE AND MACBROOM

Contract
Tony C
Marc M
Julie

Dear Mr. Rand:

Milone & MacBroom, Inc. (MMI) is pleased to submit this fee proposal for professional services involving survey and design for extension of sidewalks along CT State Route 44 (Main Street) from the Salisbury Central School to the Town Emergency Center at the Lakeville Firehouse. We understand the town has secured a Community Connectivity program grant from the state for the construction of an approximately 1,400-foot sidewalk and pedestrian bridge across Pettee Brook. The majority of the work will occur in the state-owned right-of-way. We understand the project will serve a twofold purpose as follows:

1. Provide a safe and efficient emergency evacuation route for students, faculty, and staff of the Salisbury Central School along Main Street to the designated emergency shelter at the firehouse on Brook Street.
2. Provide for safe pedestrian mobility between the villages of Lakeville and Salisbury to the Brook Street Business Center while enhancing connectivity in support of economic viability for local businesses.

The extents of the project will include the construction of bituminous concrete sidewalk, several driveway crossings, and a pedestrian bridge over Pettee Brook. We will also assess the feasibility of a pedestrian crossing signal at the intersection of Main Street and Brook Street. The construction budget for this project, funded by the Community Connectivity Grant, is \$400,000.

In order to efficiently address the challenges associated with this project, we will first conduct a feasibility study using the best available geo imagery, maps, and plans. The study will explore the feasibility, safety, and cost of locating the sidewalk on the north or south side of Main Street; investigate subsurface conditions at the crossing of Pettee Brook on either side of Main Street; explore the feasibility of alternative pedestrian crossing devices at the intersection of Main Street and Brook Street; and develop early construction cost opinions for each of the schematic designs.

Once the route has been established, field survey of the corridor will be performed by MMI and furnished digitally for the preparation of a base map to serve as the basis for preparing more detailed design plans.

Our scope of work will include the preparation of plans and specifications for the proposed recommendations stemming from the feasibility study.

Our scope of work does not include modifications of the state-owned drainage systems as this would require additional mapping, analysis, and coordination, which cannot be defined at this time. If, based on the selected route and impacts, it does become necessary to study the state-owned drainage system, we will propose a scope and fee amendment at that time.

The town's contractor will be required to obtain a Roadway Encroachment Permit from Connecticut Department of Transportation's (CTDOT) District IV office prior to beginning work. While we are not responsible for obtaining the actual permit, we do facilitate issuance of a permit through regular coordination with CTDOT district personnel throughout the course of design.

Also excluded from this scope of work is design for any signalized pedestrian crossing/warning devices such as Rectangular Rapid Flashing Beacon or similar. If, based on the selected route, it does become necessary to design a signalized pedestrian crossing/warning device, we will propose a scope and fee amendment at that time.

We will define easements or rights necessary to perform the work and assist in obtaining permits and approvals. We will also assist you by providing bidding and construction administration services.

MMI proposes to provide the following scope of services:

SCOPE OF SERVICES

1.0 Project Initiation

- 1.1 Participate in an initial meeting with your project advisory committee (Salisbury Pathways Committee) to review the scope of the project and budget, confirm the project schedule, and establish a protocol for communications with the town, CTDOT, and other stakeholders.
- 1.2 Coordinate a field meeting with the Town and CTDOT District IV personnel to review the project purpose and to seek guidance with respect to the contemplated improvements.
- 1.3 Contact the utility providers having services in the vicinity of the project to obtain available maps and plans and review any special design requirements they may have.
- 1.4 Meet with the town's Wetland Enforcement Officer to discuss the Pettee Brook crossing area and possible measures for mitigating impacts.
- 1.5 Contact CTDOT to request initiation of environmental screening process. This proposal assumes that the CTDOT will consult the Connecticut Department of Energy & Environmental Protection's (CTDEEP) Natural Diversity Database (NDDb) and will contact the state's Historic Preservation Office and the Tribal Historic Preservation office regarding the potential for sensitive cultural resources.

2.0 Feasibility Study

- 2.1 Utilizing the Connecticut Community Grant application materials as a starting point, prepare two schematic plan alternatives for the proposed improvements. The two alternatives, utilizing best available geo imagery, maps, and plans, will be prepared at 20 scale and will show the location of the sidewalk, pedestrian bridge, crosswalks, pedestrian signalization, and other improvements on either side of Main Street.
- 2.2 Perform desktop research to ascertain available information relative to subsurface soil conditions to determine the feasibility of a pedestrian bridge on either side of Pettee Brook.
- 2.3 Explore the feasibility of a Rectangular Rapid Flashing Beacon (RRFB) at the intersection of Main Street and Brook Street. with options including the following:
- 2.4 Explore the feasibility of constructing sidewalk on either side of Main Street. Assess impacts on adjacent properties, utilities, rights-of-way, and grading for each alternative.
- 2.5 Prepare a limited Structure Type Study for the pedestrian bridge with estimates of probable construction costs suitable for submittal to the Town of Salisbury for the purposes of selecting a structure type. For purposes of this proposal, it is assumed a prefabricated steel or timber single-span bridge will be constructed.
- 2.6 Prepare a preliminary opinion of probable construction costs for each alternative.
- 2.7 Meet with the Town, First Selectman, and CTDOT District IV personnel in the field to walk the project site and discuss possible improvements.
- 2.8 Prepare a technical memorandum describing the two proposed alternatives. The memorandum will serve to outline the advantages and disadvantages of the alternatives and provide recommendations to the town on the best course of action for this project based on safety, feasibility, connectivity, and cost.
- 2.9 Provide schematic plans and technical memorandum to the Town of Salisbury for review, comment, and approval.
- 2.10 Furnish preferred alternative plans to CTDOT with a narrative status update for high-level review for conformance with the intent of the grant.
- 2.11 Prepare for and assist the Salisbury Pathways Committee in presenting the preferred alternative plans at a public information meeting. Obtain direction from the committee as to which alternative to design prior to proceeding with Tasks 3.0 through 7.0.

3.0 Geotechnical Engineering

- 3.1 Prepare a subsurface exploration program to explore the subsurface conditions for the proposed pedestrian bridge and bituminous concrete sidewalk. The program will be prepared in general accordance with the CTDOT *Geotechnical Engineering Manual* (2005), which will include one boring on each side of Pettee Brook for the design of the proposed pedestrian bridge and up to seven Dynamic Cone Penetrometer (DCP) probes for the design of the proposed bituminous walkway based on the preferred route.
- 3.2 Visit the site to mark proposed exploration locations in the field and coordinate the services of a driller to advance the borings. The driller shall be required to contact "Call Before You Dig" for requisite utility clearance.
- 3.3 Document existing conditions, observe the explorations and field testing, and prepare boring logs.
- 3.4 Submit representative soil samples to a certified material testing laboratory for gradation analyses. The results of the gradation analyses will assist in classifying the subsurface materials and evaluating the subsurface materials for frost susceptibility for the sidewalk design.
- 3.5 Prepare a Geotechnical Engineering Report that summarizes the subsurface conditions and provides geotechnical design and construction recommendations for the project.

4.0 Survey

- 4.1 Perform a T-2 topographic survey and right-of-way survey in conjunction with the planned sidewalk and pedestrian bridge. All survey work will conform to State of Connecticut Regulations, Sections 30-200b (1-20). Perform land record research to acquire property owner information in the vicinity of the project. Compilation of adjoining street and property lines will be mapped to Class D standards. This scope envisions a survey swath approximately 40 feet in width along one side of the roadway and the opposing curb line based on the preferred alternative route. Provide adequate project control points and benchmarks.
- 4.2 Coordinate with town staff to determine the precise limits of survey work to be prepared and agree on limits of work.
- 4.3 Prepare an *AutoCAD* drawing base map for use in design.
- 4.4 Provide five sets of signed and sealed paper prints.

5.0 Preliminary Design Plans

- 5.1 Prepare preliminary design plans depicting the proposed improvements of the preferred alternative incorporating comments from the town. Recommend signage and pavement markings in accordance with CTDOT standards.

- 5.2 Based on the revised plan, prepare an opinion of probable construction cost and share with the town.
- 5.3 Furnish progress plans to CTDOT with a narrative status update for high-level review for conformance with the intent of the grant.
- 5.4 Coordinate and participate in a field meeting with utility pole custodian(s) to discuss the potential need for guy wire relocations or modifications. Furnish preliminary plans to the utilities for review and comment.
- 5.5 Prepare for and assist the Salisbury Pathways Committee in presenting the preliminary plans at a second public information meeting.

6.0 Environmental Permitting

6.1 Data Collection

- 6.1.1 Identify and locate state and federal inland wetlands. This work will be conducted by our registered soil scientist. Indicate wetland boundaries on the survey base map. The delineation will extend along the sidewalk project area and will focus on the potential pedestrian bridge crossing location where the delineation will extend approximately 100 feet upstream and downstream of the existing Main Street roadway crossing structure. A wetland report will be prepared to support local land use applications.

The sidewalk connectivity project will require activities that will be located within regulated natural resource areas. These activities will likely trigger review from federal, state, and/or local regulatory agencies. These natural resources include Pettee Brook and its associated Federal Emergency Management Agency (FEMA)-designated lettered A zone 100-year floodplain. FEMA lettered A flood zones do not have base flood elevations determined. Current CTDEEP NDDB mapping indicates that this segment of Pettee Brook and Main Street are located outside of a polygon area of concern. Please note that the NDDB maps are updated every 6 months.

At this time, MMI assumes that this project will not fill more than 5,000 square feet of federal wetlands and that the pedestrian bridge configuration will consist of a single-span, open-bottom structure that spans at least 1.2 times the bankfull width of Pettee Brook, will pass the 50-year flood flow continuously and uninterrupted, will not require angular riprap to be placed within the channel bed, and lastly not require more than 50 linear feet of bank disturbance. Based on our assumptions and understanding of this project, the following permits and supporting materials will be prepared:

- 6.2 Prepare a United States Army Corps of Engineers (USACE) Self Verification Notification Form (SVNF). This project will likely qualify under General Permit No. 19 Stream, Brook, and River crossings. Following review and signature by the town, submit said SVNF to the USACE and CTDEEP.

- 6.3 Prepare and submit to the Town of Salisbury Inland Wetland and Watercourses and Conservation Commission a permit application to perform regulated activities. This will include development of application materials and necessary forms, obtaining the signature of the town, and submitting the application on behalf of the town. Attend two Inland Wetland and Watercourses/Conservation Commission meetings including a public hearing and make revisions to the plans in response to the public and commission input.
- 6.4 Prepare and submit to the Town of Salisbury Planning and Zoning Commission a permit application as may be needed to complete the proposed improvements. Permits from this entity may include Flood Hazard and Sedimentation and Erosion Control. A referral under Section 8-24 of the Connecticut General Statutes is also anticipated. MMI's work effort will include development of application materials and necessary forms, obtaining the signature of the town, and submitting the application on behalf of the town.

Note: At this time, MMI is excluding the preparation of a CTDOT Flood Management General Certification and/or Flood Management Certificate/Memorandum of Understanding. Please note that if project goals change, the design requires more regulated resource impacts, and/or that it is determined by the regulatory agencies that more rigorous permits are required then the scope to prepare said permit applications will be negotiated with the town under a separate task agreement. Also excluded is design of impact mitigation for sensitive cultural resources or species of concern.

7.0 Construction Documents

- 7.1 Provide plans and specifications for bidding of the work in conformance with town and state requirements including the following:
 - 7.1.1 Title Sheet
 - 7.1.2 Existing Conditions and Removals Plan
 - 7.1.3 Layout Plan depicting grading, landscape restoration details, sediment and erosion controls, sidewalks, and pedestrian crossing locations including pavement markings and signage
 - 7.1.4 Cross sections
 - 7.1.5 Miscellaneous Details
 - 7.1.6 Prefabricated pedestrian bridge plans, cross sections, and elevation of the proposed bridge with structural details, including foundation design and structural calculations
 - 7.1.7 Boring logs
 - 7.1.8 Schematic Temporary Traffic Control Details and guidance specifications (CTDOT permit plates are to be used where applicable.)
- 7.2 Develop technical specifications for the work in general accordance with CTDOT's Standard Specifications, Form 817. Assist the town in preparing the "boilerplate" portion of the Contract Manual for bidding.
- 7.3 Submit progress plans and specifications to the town and CTDOT for review and comment. Consider high-level comments from CTDOT and respond in writing. This proposal assumes any technical review by CTDOT will be handled at the District level and

that any other reviews will be high level and relate to conformance with the intent of the grant. Incorporate comments into the plans and specifications and furnish an updated progress set to the town and CTDOT.

- 7.4 Develop final engineer's opinion of probable construction costs.
- 7.5 Issue final plans to the CTDOT District Office and request written concurrence. Make plan revisions based on CTDOT's review. It should be noted that MMI will not secure any permits from CTDOT; rather, the selected contractor will ultimately have to obtain a Roadway Encroachment Permit for work within the state-owned right-of-way.
- 7.6 Provide electronic PDF copies of bidding documents. This proposal assumes printing for bid purposes will not be required as the documents will be let electronically. If the town desires paper prints and bound specifications, the copies will be furnished at cost with no markup.
- 7.7 Transmit final plans to the affected utility companies and request review and approval in connection with any utility relocations or modifications.

8.0 Bidding- and Construction-Phase Services (Hourly upon request)

- 8.1 Request state wage rate information and assist the town in advertising the project for construction.
- 8.2 Assist the town in responding to questions from bidders during the procurement phase.
- 8.3 Attend a preconstruction meeting with the contractor, the town, utility companies, and CTDOT.
- 8.4 Conduct periodic site visits or job meetings at the town's request. Prepare a memorandum for each field visit and meeting minutes for each meeting. For purposes of this proposal, a total of 40 hours has been assumed for this task.
- 8.5 Review shop drawings and construction submittals.
- 8.6 Assist the town in reviewing contractor payment requisitions. Assist with preparation of change orders if needed. It should be noted that MMI may not be able to verify quantities of work for items not observed by your inspection personnel. See note below.

Note: MMI is available to provide full-time inspection services for the duration of construction should the town desire. MMI recommends full-time inspection in order to best enforce quality control and construction compliance with the plans and specifications. Even with full-time inspection, MMI makes no guarantees and assumes no responsibility for the quality of the work performed by the contractor, nor does our involvement relieve the contractor of the ultimate responsibility to conform to all project requirements.

- 8.7 Conduct final inspection with the town and assist in preparing a final punch list.

9.0 Direct Expenses

- 9.1 Direct expenses shall include reimbursable expenses and out-of-pocket costs such as boring costs, police protection, mileage reimbursement, printing and reproduction for progress plan sets, and special mailings. Expenses will be invoiced based on the rates indicated on our Preferred Hourly Rates and Reimbursable Expenses sheet (see attached) or at actual cost with no markup.

TIME FOR COMPLETION

MMI will proceed with the services under this agreement promptly and diligently in accordance with the above scope following acceptance of this proposal. It is understood that this work may be subject to delays due to weather, stakeholder scheduling, strikes, or any other cause beyond the reasonable control of MMI. Upon notice to proceed, we will complete the feasibility study within 2 to 3 weeks for the town's initial review following a site walk with the town and CTDOT personnel.

We will complete survey and data collection within 4 weeks of selection. Preliminary plans will be developed for the town's review 2 to 3 weeks following the completion of survey. While town and CTDOT plan review times may vary, we will prepare construction documents within 3 to 4 weeks following receipt of review comments from both the town and CTDOT. We will work with the town to develop a detailed schedule that suits the town's needs.

PROFESSIONAL FEES

The work described above will be performed in accordance with the following fee schedule:

Tasks	Lump Sum Fees
Task 1.0 – Project Initiation.....	\$ 2,200
Task 2.0 – Feasibility Study	\$ 10,200
Task 3.0 – Geotechnical Engineering	\$ 6,500
Task 4.0 – Survey	\$ 6,600
Task 5.0 – Preliminary Design Plans.....	\$ 9,000
Task 6.0 – Environmental Permitting	\$ 9,000
Task 7.0 – Construction Documents	\$ 13,500
Design Phase Total = \$57,000	
Task 8.0 – Bidding- and Construction-Phase Services.....	(Hourly Upon Request) \$ 15,000
Task 9.0 – Direct Expenses	(Budget) \$ 4,500
Total	\$80,000*

*The design of a Rectangular Rapid Flashing Beacon will be performed as needed and upon request. For purposes of this proposal, we suggest you budget \$3,500 for this effort.

Bidding and construction services will be performed on an hourly basis as needed and upon request. For purposes of this proposal, we suggest you budget \$15,000 for this effort, which equates to roughly 100 hours based on the employee classification.

For direct costs, we recommend the town budget **\$4,500** broken down as follows:

1. Borings: \$2,500
2. Laboratory Testing: \$400
3. Printing and Reproduction: \$800
4. Mileage: \$800

STANDARD TERMS AND CONDITIONS

This proposal is subject to our Standard Terms and Conditions, which are attached hereto and incorporated herein.

EXCLUSIONS AND LIMITATIONS

In submitting this proposal, we make no representation that the project will receive all necessary regulatory approvals.

The following work items are not included in this scope of work at this time:

1. Property boundary surveys
2. Easement maps
3. Environmental and/or biological surveys
4. Resident construction inspection services
5. Preparation of detailed temporary traffic control plans
6. Analysis and design of drainage systems
7. Cultural resource assessment and impact mitigation design

Should any of the above items or any additional services be required, they can be provided on an hourly basis or for an agreed-upon lump sum fee.

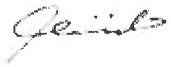
ACCEPTANCE

If the above proposal meets with your approval, work may be initiated by signing a copy in the space provided below and returning it to us for our files.

We appreciate the opportunity to be considered for this project and look forward to your acceptance of our proposal and a continued pleasant and rewarding association.

Very truly yours,

MILONE & MACBROOM, INC.




Anthony Ciriello Jr., PE, Vice President
Director of Transportation Engineering

Enclosures

3039-06-0-j1619-prop.docx

The above proposal and attached Standard Terms and Conditions are understood and accepted:

By:  Date: 3/3/2020
Curtis Rand First Selectman
(Print name and title)