

Incorporated Village of Westhampton Beach

165 Mill Road, Westhampton Beach, New York 11978

Phone: (631) 288-1654 * Fax: (631) 288-4332

clerk@westhamptonbeach.org



Hon. Maria Z. Moore
Mayor

Hon. Stephen A. Frano
Hon. Rob Rubio
Hon. Brian Tymann
Hon. Ralph Urban
Trustees

Elizabeth Lindtvit
Village Clerk/Treasurer

Esseks, Hefter & Angel
Village Attorney



July 13, 2018

Mary C. Wilson, Esq.
Community Preservation Manager
Town of Southampton
24 W. Montauk Highway
Hampton Bays, NY 11946

**Via email: mwilson@southamptontownny.gov and
JScherer@southamptontownny.gov**

**Re: Water Quality Improvement Project Plan (WQIPP)
Community Preservation Fund Request for Main Street Drainage
Improvements**

Dear Ms. Wilson:

Please find enclosed documents required for proposal submission to the above referenced funding opportunity:

- Completed WQIPP Checklist/Application
- Project narrative
- Proposal Attachments

Due to the size of the proposal file, the proposal has been uploaded to the Town's Box account with a link provided in the submittal email.

Per a request received from Janice Scherer on July 10, six (6) hard copies of the proposal are being mailed with a post mark on or before July 13. We received an email from Janice on July 11 confirming that this will satisfy the deadline requirement. Delivery of the hard copies is scheduled for Monday, July 16.

Thank you for considering this important project. If further information is needed, please contact me at 631-288-1654 or mayormoore@westhamptonbeach.org.

Sincerely yours,

Maria Z. Moore
Mayor



TOWN OF SOUTHAMPTON

Department of Community Preservation
24 W Montauk Hwy, Hampton Bays, NY 11946
Ph: 631-287-5720 Fx: 631-728-1920
WWW.SOUTHAMPTONTOWNNY.GOV/CPF

COMMUNITY PRESERVATION FUND (CPF) WATER QUALITY IMPROVEMENT PROGRAM PROPOSAL SUMMARY

Project Proposal _____

Project Applicant _____

Project Title _____

Project Contact Information _____

Project Manager Name _____

Project Manager Title _____

Project Manager Affiliation _____

Project Manager Address _____

Project Manager Phone _____

Project Manager Email _____

Property Owner Name _____

Property Owner Affiliation _____

Property Owner Mailing Address _____

Property Owner Phone _____

Property Owner Email _____

Project Location _____

Project Location SCTM #(S) _____

Type of Project

Reduction _____

Remediation _____

Restoration _____

Project Summary (2-3 sentences) _____

Submittal date _____



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1. PROJECT TYPE (check all that apply)

Meets at least one of the definitions of "Water Quality Improvement Project" per State Law Chapter 551 cited above

- Wastewater Treatment Improvement Project
- Non-point source abatement and control
- Aquatic habitat restoration
- Pollution prevention
- Stormwater collecting system
- Vessel Pump out station
- Operation of Peconic Bay National Estuary Program (Grant Match)

2. PRIORITY AREA(S) (check all that apply)

- High
- 303(d) Impaired
- Medium
- Outside High and Medium priority areas*

*Narrative must explain how project is relevant to Water Quality Improvement Project Plan (WQIPP) goals

3. PROJECT DESCRIPTION

- Narrative describes in detail existing conditions of applicable groundwater/sub-watershed/waterbody and includes most recent and relevant data available (provide sources)

- Photos of exiting conditions are included (Attach Photos)
- Location map is included (Attach Map)
- Narrative describes in detail what the issue is and how the proposed solution addresses the issue in the context of Reduction, Remediation and/or Restoration as per the CPF Water Quality Project Plan



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- Narrative describes proposed technology in sufficient detail and includes information on its demonstrated efficacy in similar setting (may include published data) (Attach pages as needed)**

- Narrative indicates how the project supports Town of Southampton, Suffolk County, NYSDEC Long Island Nitrogen Action Plan (LINAP) or other adopted goals/policies (provide references with pages numbers, etc.) (Attach pages as needed)**

- A State Environmental Quality Review Act (SEQRA) Long or Short Environmental Assessment Form (EAF) is completed and included with application <https://www.dec.ny.gov/permits/6191.html>**

OTHER REQUIRED INFORMATION

- If Stormwater system or Drainage is proposed, the narrative and design specifications indicate compliance with the New York State Stormwater Design Manual (2015 and as updated)
- If project is related to farmland, the narrative addresses any Agricultural Stewardship Plan or other long term strategy for Nitrogen abatement
- If the project is for a municipal facility or infrastructure, information pertaining to Town or Village budgetary allocations for ongoing maintenance is provided
- If the project is for habitat restoration, the narrative addresses how underlying causes are being ameliorated and expected outcomes for local species populations or other ecological considerations are given
- If project is a Sewage Treatment Plant (STP) or cluster treatment system, fund allocation request is based on cost for reduction of pre-existing conditions and not for purpose of accommodating new density (describe pre-existing density and associated flow (gallons per day) and total projected nitrogen reduction in narrative). Include detailed information on how many homes the system would treat as well as potential for formation of Sewer District, if required by Suffolk County Health Department or Town Law
- If the project is requesting grant match for the Peconic Estuary Program, include information related to funding program source and purpose of application and any relevant items on this checklist. Note: A Town Board resolution will be required in order to encumber matching funds for grant applications



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4. WATER QUALITY BENEFIT

- Yes No N/A Nitrogen, Pathogen or Pollutant of Concern (POC) Existing Condition & Target Reduction is identified
- Yes No N/A Anticipated reduction by proposed technology is provided by utilizing EPA's Spreadsheet Tool for Evaluating Pollutant Load (STEPL) <http://it.tetrattech-ffx.com/steplweb/> or similar standardized methodology (provide)
- Yes No N/A Related to above, the narrative describes how data will be collected and reported over time
- Yes No N/A Narrative indicates how the useful life of the proposed technology will meet or exceed five (5) years
- Yes No N/A A total cost budget is included (see pages 6-7 for template) with a cost-benefit discussion and any details related to matching funds (e.g. in-kind services, pre-and post-monitoring, etc)

5. DURATION OF PROJECT

- Projected timeline is included (described any permits needed and time frame/status of required approvals)
- Narrative explains if project is multi-year or phased and includes budget/milestones for each year and Phase

6. PROJECT READINESS

- Narrative describes current stage of planning (e.g. conceptual, preliminary, full construction documents) and includes conceptual or sketch plans where applicable.
- Narrative describes community support for the project (attach letters of support, public hearing testimony, news coverage, community meeting minutes, other outreach as applicable) or addresses potential community opposition/educational needs.

7. MANAGEMENT, EXPERIENCE, ABILITY

- Narrative describes experience in completing similar projects
- Narrative describes project staffing, oversight and administration
- Narrative describes qualifications of project staff, consultants and contractors (as applicable)
- If Homeowner's Association or other community group, describe formal structure and responsibilities of members involved
- If private property (e.g. farmland), the narrative describes who is being contracted to do the work (qualifications, etc.)

8. REQUIRED CERTIFICATIONS

- Commitment is provided via Letter of Intent (LOI)* for non-municipal entities or adopted resolution for Incorporated Villages *
 Note: A LOI template is provided in the application packet
- Plans stamped by NYS licensed Engineer and/or surveyor, where applicable
- STEPL calculations or equivalent prepared by NYS licensed Engineer, where applicable
- Certify that request for proposed funding is not otherwise required by Local, State or Federal Law and intended benefits cannot be achieved without external funding
- Certify that the application will report on project outcomes, including monitoring results

9. MAINTENANCE, MONITORING & EVALUATION

- A plan related to ongoing maintenance, monitoring and evaluation (reporting to the Town) is provided
- The Monitoring Plan will provide water quality data at regular intervals for a minimum of five (5) years

10. EDUCATIONAL COMPONENT

- The project sponsor will erect signage displaying the intent and benefit of the project on site
- As part of the evaluation, the project sponsor will submit a write-up of lessons learned and future needs



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COMMUNITY PRESERVATION FUND (CPF)
WATER QUALITY IMPROVEMENT PROGRAM
BUDGET PROPOSAL

PLANNING/ENGINEERING/DESIGN	Town CPF Re- quest	Matching Funds Committed	Matching Funds Pending	Estimated Total Project Costs
In-house labor (provide separate sheet with calculations)				
Task 1-	\$-	\$-	\$-	\$-
Task 2-	\$-	\$-	\$-	\$-
Task 3-	\$-	\$-	\$-	\$-
Task 4-	\$-	\$-	\$-	\$-
Task 5-	\$-	\$-	\$-	\$-
Task 6-	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
In House Labor Total	\$-	\$-	\$-	\$-

Materials/Supplies				
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
Materials/Supplies Total	\$-	\$-	\$-	\$-

Contractual Services				
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
Contractual Services Total	\$-	\$-	\$-	\$-

- NOTES:
1. Costs relate to overall roadway improvement project which includes drainage system assessment, engineering and design
 2. Preaward expenditures
 3. Includes preaward expenditures of \$119,194 to date with balance to be expended toward final design and related tasks



CONSTRUCTION AND SITE IMPROVEMENTS	Town CPF Request	Matching Funds Committed	Matching Funds Pending	Estimated Total Project Costs
In-house labor (provide separate sheet with calculations)				
Task 1-	\$-	\$-	\$-	\$-
Task 2-	\$-	\$-	\$-	\$-
Task 3-	\$-	\$-	\$-	\$-
Task 4-	\$-	\$-	\$-	\$-
Task 5-	\$-	\$-	\$-	\$-
Task 6-	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
In House Labor Total	\$-	\$-	\$-	\$-

Equipment/Materials/Supplies				
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
Equipment/Materials/Supplies Total	\$-	\$-	\$-	\$-

Contractual Services				
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
	\$-	\$-	\$-	\$-
Contractual Services Total	\$-	\$-	\$-	\$-

PROJECT TOTAL	\$-	\$-	\$-	\$-
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Total Project Cost	XXXXXXXXXXXXXXXX \$2,150,313
Total CPF Funds Requested	\$ 1,458,383

Applicant matching funds committed	\$-
Applicant matching funds pending approval (e.g. grant request submitted pending determination)	\$-

Source of matching funds	Amount

**VILLAGE OF WESTHAMPTON BEACH
MAIN STREET IMPROVEMENT PROJECT – DRAINAGE IMPROVEMENTS
PROJECT NARRATIVE**

PROJECT LOCATION

Westhampton Beach downtown business district, specifically Main Street between Potunk Lane and Beach Road, and a drainage pipe that runs from Main Street to the Moniebogue Bay outfall. See location map.

EXISTING CONDITIONS

Moniebogue Canal is tributary to Moniebogue Bay, which is tributary to Shinnecock and Quantuck Bays. Per the 303(d) list of impaired waters, Part 1, footnote 11, Moniebogue Bay is considered an Impaired waterbody and is included in the TMDL/Watershed strategy for Shinnecock and Quantuck Bays. It is being impaired by nitrogen pollution resulting in low dissolved oxygen which impairs a water's minimum best use for fish propagation and survival. The primary suspected source of that pollution is from onsite septic systems and/or urban stormwater runoff. See attached listing.

The project location is located within a High Priority Area in the Town of Southampton CPF Water Quality Improvement Project Plan.

Currently, the existing Village Main Street drainage system collects runoff from the roadways, sidewalks and the roof areas of some of the Main Street businesses. A tributary area of approximately 44.25 acres ultimately flows through a 30" Vitrified Clay Pipe (VCP) that discharges into Moniebogue Canal. Currently there is no treatment of stormwater prior to its discharge at the outfall.

A drainage assessment completed by the firm H2M in 2017 determined that all piping from 75' north of outfall is undersized, in poor condition and in need of replacement. Video inspection identified structural cracking and root intrusion (see attached photos). The assessment also found that stormwater runoff from Sunset Ave (from Mill Road to Main Street) flows to Main Street and contributes to temporary flooding issues on Main Street. This is due to insufficient inlet and pipe capacity. The assessment further identified opportunities for increasing capture and recharge of stormwater as well as stormwater treatment prior to discharge in to Moniebogue Canal.

PROJECT DESCRIPTION

As part of a comprehensive sidewalk, traffic calming and roadway improvement project, the Village of Westhampton Beach will improve the existing storm drainage system and inlets along Main Street. Under this project, the Village will reduce the total roadway width along Main Street between Potunk Lane and Beach Lane, and increase the sidewalk width between the new curblines and existing Main Street buildings. The net width of roadway and sidewalk from building to building will remain the same. Drainage improvements will increase capture, retention and treatment of stormwater in the tributary area, reduce the volume of stormwater discharged at the outfall, and improve quality of the discharged water. The proposed improvements are:

- Replace existing drainage system on Main Street between Potunk Lane and Mill Road.

- Replace and realign drainage pipe between buildings south of Main Street. Tasks include: abandon in place existing culvert running under buildings and alleyways; fill with appropriate material; construct a new, realigned drainage pipe, which will connect to the existing 30" clay pipe to outfall (to remain in place).
- Construct a 5 foot wide strip of permeable surface (a porous, walkable surface) directly behind the roadway curb to reduce the amount of stormwater surface water that would directly enter the pipe system that outfalls at Moniebogue Canal.
- Install a 2' wide permeable paver gutter along the curb line of the angled on-street parking stalls to directly infiltrate stormwater into the ground and reduce the runoff flowing to the inlets.
- Install drywells along the west end of Main Street to infiltrate some of the runoff into the ground, prior to flowing to the Main Street drainage system and out the Moniebogue Canal discharge point.
- Install a hydrodynamic separator on the existing 30" drainage pipe prior to discharging into Moniebogue Canal.
- Install a small, approximately 200' section of dry sanitary sewer force main crossing Main Street from Moniebogue Lane to Sunset Avenue for future sewer district use. Installation of the force main will eliminate the need to re-open the roadway during the sewer project which is otherwise not a component of this project. The downtown business district currently relies entirely upon onsite septic systems, and the planned sewer district will reduce source loads of nutrients to area surface waters.

The Village will require all storefronts within the project area along Main Street to redirect the roof downspouts from the Village right of way (ROW) and contain the runoff on their own property. Currently, many of the businesses directly spill roof runoff onto the sidewalk and into the Village drainage system. It is also suspected that undocumented septic overflows may be hooked up to the system. Such undocumented connections will be eliminated.

Demonstrated efficacy of technologies to be employed

Hydrodynamic separators are considered structural best management practices to treat stormwater runoff and will reduce the amount of total suspended solids, oil and grease from entering the Bay. See attached technical specifications. The Village's existing Public Works equipment and staff resources are sufficient to carry out the regular maintenance activities that are required to ensure continued good working order of the devices.

Use of permeable pavers is an accepted green infrastructure practice for stormwater filtration, recharge and reduction in overall runoff. The NYSDEC, US EPA and US Geological Survey are among the federal agencies that produce research and guidance supporting use of porous surfaces. For example:

- NYSDEC Green Infrastructure (webpage): <https://www.dec.ny.gov/lands/58930.html#Porous>
- USEPA Soak Up the Rain (webpage): <https://www.epa.gov/soakuptherain/soak-rain-permeable-pavement>

- USGS: Evaluating the potential benefits of permeable pavement on the quantity and quality of stormwater runoff (article): <https://tinyurl.com/ybg5q4ts>

The other proposed items are standard stormwater system elements specified by a qualified engineer in accordance with accepted standards and with the NYS Stormwater Design Manual.

Ownership commitment

All work is to occur within the Village of Westhampton Beach right of way or easements. The Village Attorney is preparing easement agreements that are required to perform replacement of the pipe running under the alleyway area. Temporary and permanent easement maps are also being prepared. The two involved property owners are supportive and the easements are expected to be executed by early fall of 2018.

SEQRA determination (negative declaration) was made via a Village resolution adopted 6/7/2018. This resolution addresses the entire Main Street Improvement project, which includes drainage as one component. Environmental Assessment Forms and SEQRA resolution are attached.

WATER QUALITY IMPROVEMENT IMPACT

Remediation: The project will reduce the amount of untreated stormwater runoff that will discharge through the existing outfall pipe by installing permeable surfaces and installing some drywells at the higher elevation areas near Potunk Lane (getting stormwater into ground at the source instead of through drainage pipe to Moniebogue Bay). We will also be disconnecting all direct roof pipe connections to the Village drainage system and we will be installing a hydrodynamic separator that will reduce the amount of total suspended solids, oil and grease from entering the Bay.

Reduction: A small section (about 200') of sanitary sewer force main is included in the proposed scope of work and is related to a sewer project that is being proposed for CPF funding consideration under a separate proposal. This section of sewer main is included in the drainage phase in order to avoid having to re-open Main Street during the sewer project. As described in the Village's other proposal, sewerage will remove properties from onsite septic systems and divert wastewater to an existing treatment facility at Gabreski. The project will reduce nitrogen loads in area surface waters.

Pollutant Load Reduction Estimate (STEPL): The primary BMP proposed (Contech Vortechs® stormwater treatment system) is a hydrodynamic separator (Oil/Grit Separator in STEPL) designed to enhance gravitational separation of floating and settleable materials from stormwater flows. Pollutant load reduction is estimated for this BMP as follows (see attached documentation):

Nitrogen: 14.4 lbs/yr (4.9%)
Phosphorous: 2 lbs/yr (4.8%)
Sediment: 1 ton/yr (15%)

It should be noted that these calculated pollutant load reductions do not take into consideration other BMPs proposed with this project, namely proposed sections of porous pavement and 13 new drywells at 3' effective depth (~ 10'Ø). These additional BMPs will be installed upstream of the oil/grit separator. The STEPL tool does not provide for calculating BMPs in series. Therefore, only

the primary BMP was considered for calculating the anticipated pollutant reduction. However, these additional BMPs will provide pre-treatment of stormwater runoff and will result in additional pollutant reduction over and above that provided by the oil/grit separator alone.

The Village's engineering consultant completed a STEPL calculation for the drywells alone which produced a reduction estimate of 23.5 lbs/yr N, 3.9 lbs/yr P, 1 t/yr Sediment. Since any overflow from these structures will flow through the hydrodynamic separator, we did not include this second STEPL with this proposal. Not including the second STEPL results in underestimation of pollutant reduction but avoids unintentional overestimation. However, it should be noted that the drywells will capture first flush runoff for a tributary area of 5.51 acres; any runoff that exceeds the capacity of the drywells will flow through overflow pipes, ultimately going through the hydrodynamic separator. This overflow water from the drywells will be cleaner than the first flush water, but could still contain some pollutants that would be further reduced by going through the hydrodynamic separator prior to discharge into the bay.

Monitoring/reporting protocol: Should CPF funding be awarded, the Village will work with the Town to establish a mutually acceptable plan for ongoing water quality monitoring and reporting for a period of at least five years. It is understood that the Town's aim is to quantify the impact of CPF investment on water quality in Moniebogue Bay.

Stony Brook University's School of Marine and Atmospheric Sciences currently conducts sampling on a weekly basis at a monitoring station at Moniebogue Bay. The monitoring plan may leverage these ongoing efforts, which are overseen by Dr. Christopher Gobler of Stony Brook University.

The Moriches Bay Project, a community organization, also conducts ongoing water quality monitoring and we may leverage their efforts toward the monitoring plan as well.

Support for Town of Southampton Water Quality Improvement Project Plan (WQIPP) and other plans

Town of Southampton Water Quality Improvement Project Plan (WQIPP):

- Project is located in a High Priority Area as defined in WQIPPP maps (p. 54). The proposed stormwater collection, infiltration and treatment structures will remediate nitrogen loading to Moniebogue Bay, a 303(d) waterbody.
- The WQIPP was enabled by state legislation and Town Code.
 - NYS Town Law Article 4, Sec. 64-e, Peconic Bay Region Community Preservation Funds, includes "stormwater collecting systems" in the definition of "wastewater treatment improvement projects." Stormwater collecting systems are defined as "systems of conduits and all other construction, devices, and appliances appurtenant thereto, designed and used to collect and carry stormwater and surface water, street wash, and other wash and drainage waters to a point source for discharge."
 - The Code of the Town of Southampton, Chapter 140, Community Preservation Fund, includes the same definition of a stormwater treatment project. The proposed project elements are therefore in conformance with the authorizing statutes for the WQIPP.

- Town Code Chapter 140, Community Preservation Fund, further indicates that a “wastewater treatment improvement project” includes “The planning, design, construction, acquisition, enlargement, extension or alteration of a wastewater treatment facility...” (underlining added for emphasis). This demonstrates eligibility of proposed project costs.
- The dry sanitary sewer force main, which will be placed into use under a planned future sewer district, is also supported by the definition of a “wastewater treatment improvement project,” and will link with the Suffolk County wastewater treatment plant at Gabreski Airport. Existing development in the new sewer district will be removed from onsite septic systems, thereby reducing nitrogen before it enters groundwater.

Suffolk County Water Resources Management Plan

The proposed stormwater collection, infiltration and treatment structures will support Recommendation 1.15, “Seek ways to remediate existing nitrogen pollution and its impacts.”

The dry sanitary sewer force main supports Recommendation 1.1, “As a result of Superstorm Sandy in an effort to promote resilience create and/or expand sewer districts for existing communities identified as priority areas and upgrade current wastewater infrastructure.” Key Milestone b., which states, “Advance sewer expansion projects as funding becomes available” is also supported.

Section 9 (Implementation) link:

<http://www.suffolkcountyny.gov/Portals/0/health/pdf/Section%209%20Plan%20Implementation.pdf>

Suffolk County Harmful Algal Bloom Action Plan

The Top Strategic Priority in the Management Recommendations is: Reduce nitrogen and phosphorous loading to ground watersheds, surface watersheds and direct inputs to surface waters, particularly by upgrading septic systems, both residential and nonresidential.

Actively endorse/promote green infrastructure projects that limit the discharge of nitrogen to surface waters via stormwater runoff.

Link to plan: <http://reclaimourwater.info/Portals/60/docs/HABActionPlan.pdf>

COST FACTORS

Two cost opinions provided by H2M Engineers are attached to this proposal. There will be two bids, corresponding with the two sets of plans provided with the attachments.

1. Alleyway between Main Street and Municipal Parking Lot: 100% CPF Eligible
2. Potunk Lane to Beach Road: This cost opinion addresses the overall Main Street improvement project and contains elements that are not part of this funding request, such as street lighting, landscaping and roadwork. The cost opinion clearly shows which items are CPF eligible. No CPF funds are requested for ineligible project elements.

CPF investment in this project is necessary to restore and protect the Town's ground and surface waters to ensure their ability to support public health and the maritime, recreational and resort activities that underpin Southampton's way of life and economy. The project will improve stormwater management by increasing the drainage system's capacity for stormwater capture and recharge and by introducing hydrodynamic separators to further reduce the flow of contaminants to Moniebogue Bay.

Leverage of funds

Costs associated with drainage and stormwater improvements comprise approximately \$1.7M of the expected approximate \$5M cost of the overall Main Street Improvement Project.

Funds expended to date: \$181,125 invoices paid by the Village for drainage assessment, overall design, engineering, survey and markouts.

Encumbrances: \$1,950,000 from the Village's budget (\$400,000 in 2015, \$600,000 in 2016, and \$950,000 in 2017) has been allocated to our Main Street Project Capital account for the entire Main Street Improvement Project

Grants awarded: For overall Main Street Improvement Project which encompasses drainage and non-drainage items as follows:

1. 2015 Downtown Revitalization Grant from Suffolk County in the amount of \$75,000 for the curb extensions/pedestrian infrastructure;
2. 2017 Downtown Revitalization Grant from Suffolk County in the amount of \$100,000 for street lighting;
3. 2016 DOT Grant through Senator LaValle in the amount of \$150,000 for the removal and replacement of curbs and sidewalks;
4. 2017 SAM Grant through Senator LaValle in the amount of \$250,000 for phase 1 of the project that includes the replacement of the storm drains (status: awaiting the contract);
5. 2017 SAM Grant through Assemblyman Thiele in the amount of \$250,000 for phase 1 of the project that includes the replacement of the storm drains (status: in process of submitting final documents to DASNY);

Grant applications under development:

Negotiations ongoing with Senator LaValle and Assemblyman Thiele for 2018 funding in the \$250,000 range to support sidewalks/crosswalks.

Cost overrun contingency:

The Village has secured the services of a highly qualified engineering firm to develop detailed plans and cost opinions for this project. In addition to providing assurance that the project will be feasible and that it will have the desired benefits for our community and the environment, all of the preliminary assessment and design work has provided the engineer with a sound basis for preparing

cost projections using current and historical market data. However, as future market conditions may be unpredictable, it is possible that bids may come in higher than anticipated. Should this occur, the Village may address the shortfall in a number of ways, depending on the size of the shortfall: it may modify or scale down certain project components; it may delay certain aspects of the project until sufficient funds can be secured; or it may secure additional funding either through grants, local sources or through bond proceeds. The Village will continue to use sound fiscal management and project management strategies in order to address any unexpected budget shortfall or cost overrun.

It is noted that the drainage portion of the Main Street Improvement Project will be completed as the first phase of the overall project. Any cost overruns are more likely affect completion of Phase II elements which are unrelated to drainage (e.g. street lighting, roadway improvements).

It is also noted that the Village has established a diversified strategy for funding the project using a mix of competitive grants, legislative awards, and local resources. It will issue a bond to support first-instance funding for construction.

See Section titled “Maintenance, Monitoring and Evaluation” for a discussion on maintenance costs.

MANAGEMENT, EXPERIENCE AND ABILITY

- Owner is a municipality (Village of Westhampton Beach)
- Project type is a WQIPP Standard (primarily remediation, secondarily reduction)
- Project supports Town, County and other adopted goals (see Water Quality Improvement Impact section)
- Experience in completing similar projects:
 - The Village has successfully progressed the Main Street Improvement project through the visioning phase to the current phase of 90% construction plans.
 - The Village has recently completed an extensive project to repair bulkheading at a Village marina which cost \$1.25M. The project was financed through bond issuance and construction was managed by the Village Engineer. The project was successfully completed.
 - The firm H2M has provided design and engineering services for this project and will provide construction administration services as well. H2M has a very experienced staff of engineers and professionals with extensive relevant experience. See attached statement of qualifications.

PROJECT READINESS/DURATION OF PROJECT

- Significant community support: see attached support letters.
- Community opposition: none noted.

- Owner has committed with a LOI: This application and attached resolution serve as the LOI.
- Sources of funding not provided by CPF: see Cost Factors and budget.
- Permitability: no permits are needed to advance this project.
- Anticipated timeline:

Bid Packages Available for pickup	September 2018
Open Bids (4 weeks)	October 2018
Award (check qual, get insurances, etc.)	November 2018
Construction begins	December 2018
Construction completion	April 2020

Timeline notes:

Roughly 60 week construction period (but heavily dependent on utility company coordination)

Majority of work completed by January 2020, but final landscaping and finishes in early spring of 2020.

Contractor to maintain access through roadway and to business' (no complete shut down of roadway and sidewalks), which adds time to construction.

- Phasing: Majority of expenditures anticipated to fall in CY 2019 with exceptions as noted above.

MAINTENANCE, MONITORING AND EVALUATION

- Long term maintenance post construction: The Village Highway department will allocate existing staff and equipment resources and incorporate the drainage system into its ongoing maintenance schedule. A vacuum truck and street sweeper are owned by the Village and will be used to keep drainage structures (catch basins, hydrodynamic separator, permeable surfaces) in good working order. No additional budget line items are anticipated.
- Cost savings are likely as the need for ongoing repairs of the existing system, which is in poor condition, will be eliminated.
- Stewardship, monitoring, enforcement protocols: Should CPF funding be awarded, the Village will work with the Town to establish a mutually acceptable plan for ongoing water quality monitoring and reporting for a period of at least five years. It is understood that the Town will wish to quantify the impact of CPF investment on water quality in Moniebogue Bay.

Stony Brook University's School of Marine and Atmospheric Sciences (SOMAS) currently conducts sampling on a weekly basis at a monitoring station at Moniebogue Bay. The monitoring plan may leverage these ongoing efforts, which are overseen by Dr. Christopher Gobler of SOMAS.

The Moriches Bay Project, a community organization, also conducts ongoing water quality monitoring and we may leverage their efforts toward the monitoring plan as well.

Other required information

- Design specifications will conform with current NYS Stormwater Design Manual.
- Sewage treatment: the proposed approximately 200' of dry sewer main is a small part of the Village's proposed sewer project. It is being installed as part of this project to avoid a need to re-open Main Street during sewer construction. In line with CPF requirements, it will only serve existing development and is not for the purpose of accommodating new density.
- Useful life of project: The Village's engineering consultant has advised that the project will have an expected lifespan of fifty years or more, with the exception of the permeable pavers which have a 20 year life expectancy. The fifty year lifespan includes the hydrodynamic separator. There are no filters to replace and it is basically a concrete structure, so the life expectancy is similar to the other drainage system components. The engineer has evaluated the use of the separator in the proposed location, which may experience salt water contact on occasion, and determined that sealants used in building the separator limit galvanic corrosion. The permeable pavers are a concrete product and will have a life expectancy of at least 20 years, and will function as a BMP as long as the surfaces are cleaned properly to prevent clogging of the joints where the runoff infiltrates into the ground. As previously stated, the Village will incorporate the infrastructure into its existing maintenance program, and will leverage existing staff and equipment, including a vacuum truck and street sweeper, to maintain the system.

Attachments

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