PROJECT ELIGIBLITY	
Please Review the following eligibility documents before completing this application: *1) FY23 Clean Water Initiative Program Funding Policy (click here)* *2) Act 76, Clean Water Service Provider Rule and Guidance & explanatory materials (click here)*	
Is the portion of the project that you are seeking funding for considered non-regulatory and voluntary? i.e., the portion of the phosphorus being treated/reduced is not a required or compelled element of a regulatory permit (e.g. MS4 permit, MRGP, 3-9050 permit, wetland permit, etc.) or a legal settlement. (Answer must be YES to proceed).	Yes No
Does your project type meet the applicable definitions and minimum standards as provided in the CWIP Funding Policy (Answer must be YES to proceed)	Yes No

1. APPLICANT INFORMATION	
Organization/Municipality Name: Friends of Northern Lake Champlain	
Name of Point of Contact: Tom Briselden	Title: Board Member, Project Committee
Phone Number: 814-440-2604	
E-mail Address: tbriz@att.net	
2. PROJECT INFORMATION	
Project Title: Private Road Phosphorous Reduction – Savage Point Road	
Watershed Project Database Number: Isla LaMotte	
Project Type (according to Appendix B Project Types Table of the 2023 CWIP Funding Policy) : Road Erosion Inventory – Project Identification	
Project Phase you are seeking funding for (may check more than one box if applicable): ☐ Identification / Assessment ☒ Project Development ☐ Preliminary Design ☐ Final Design ☐ Implementation	
Project Location including watershed/sub-watershed (provide as much detail as you are able): Lake Champlain, Basin 5 Isle LaMotte	
3. PROJECT SUMMARY & PHOSPHORUS REDUCTION BENEFIT	
a. PROJECT OVERVIEW Please provide an overview of the project, especially the phosphorus reduction practices that will be developed, designed and/or implemented with the grant funds you are seeking.	

Savage Point Road, North Hero, VT is a private residential shoreland road with wetlands and partial drainage ditches which discharge directly into Lake Champlain's Pelots and Carry Bays. The current segment proposed is ¾ of a mile long with an annual phosphorous discharge of 7 kg/yr. The DEC calculator is used and validated using onsite measurements. This project proposes to install at least 1 filter system with a 70% effectiveness at the point of discharge and/or upstream location. The cost effectiveness will be $10,000/kg with a 15 year life expectancy.

4. Estimated annual average total phosphorus load reduction (kg/yr) & cost-effectiveness

a. Using pollution reduction calculator tools consistent with the methods included in DEC's Standard Operating Procedures (SOPs) for Tracking and Accounting of Phosphorous, what is the estimated annual average total phosphorus load reduction in kilograms per year? Rough estimates are okay for a pre-application. [*If your proposed project consists of project identification/assessment or development, provide your best estimate of the types of projects you hope to investigate and their typical phosphorus reduction benefits.]*

5 kg/year load reduction at 70% effectiveness

b. Using the following formula, what is the Cost Effectiveness of your project:

Cost effectiveness ($/kg/yr) = (15 years/design life years of your project) * (total capital project cost (dollars) for design and construction) / (annual average total phosphorus source load reduction (kg/yr)). Note: we realize final construction costs may not be known with certainty. Use your best estimate. Rough estimates are okay for a pre-application. [*If your proposed project consists of project identification/assessment or development, provide your best estimate of the types of projects you hope to investigate and their typical phosphorus reduction benefits.]*

(15 years/15 year YDL) x $50,000/5 kg/yr = $10,000/kg/yr.

5. PROJECT BUDGET SUMMARY Rough estimates are okay for a pre-application

a. BUDGET TABLE:

Expense/Item	Grant Request	Leverage / Match Funds	TOTAL
APPLICANT			
Project Management/Completion: staff expenses including salary and fringe benefits: be sure to budget for needed staff time for deliverables preparation and reporting tasks	4,000	500	4,500
Volunteers or ad hoc employees		1,000	1,000
Mileage Charges (use Federal 2023 rate of 65.5 cents/mile	250		250
Supplies / Materials not purchased by contractors	1,500		1,500
Equipment Rentals or Equipment Use charges			
SUBCONTRACTORS			
Project Identification/Assessment /Development efforts	2,500	500	3,000

Engineering/Design Services for 30% Design or Final Design	10,000	1,000	11,000
Construction Management/Oversight Services	2,500	1,000	3,500
Construction Services	25,000	2,000	27,000
Other eligible costs (see 2023 CWIP Funding Policy)			
Project Completion **SUBTOTAL**			
Indirect**: If you have a negotiated indirect rate, you typically charge, please use that. Otherwise, you may charge up to 10% on the first $50,000 of non-staff costs.	4,575		4,575
Project Completion **TOTAL** (*Project Completion* SUBTOTAL + Indirect)	50,325	8,700	59,025

Procurement of subcontractors: For a pre-application or grant application, provision of prior proof of competitive procurement is not required. However, Subcontractors such as engineers/designers and construction services must be competitively procured either before or during the duration of the grant. Subgrantees will have to demonstrate that engineering/design services were sought from at least three firms prior to attaching a quote from a firm. For applications with Implementation/ Construction costs, Implementation/Construction services must be competitively procured. Applicants are strongly encouraged to competitively procure consultation/engineering/design services prior to submitting a grant application so that their budget request is firm for those services.

Please describe your plan for procurement. If your project is a continuation of a project previously funded by the Basin 5 CWSP you may continue to use that same engineering design firm for subsequent phases.

Project subcontracts will be secured using a 3 bid system to CWISP qualified consultants and contractors.

Future costs: if you are only seeking funds for Preliminary (30%) Design or Final (100%) Design, please provide a rough, "ballpark" estimate of anticipated Construction Costs. This information is needed for the Basin 5 CWSP to determine whether it is worth it to fund design services in the first place. Rough estimates are okay for a pre-application. For example, you could just provide examples of what other similar projects have cost.

25,000

6. Co-benefits: describe how your project provides any of the following co-benefits
Completion of this section is optional for a re-application. Minimal text is okay for a pre-application. Completion of this section will be required for a final application.

Flood Resilience: This project will address significant P loading to high flow events from snowmelt and storms

Hazard Mitigation (other than flood resilience): Click or tap here to enter text.

Education: This project will provide a reference point for other private shoreland roads to follow while minimizing costs thru duplication

Ecosystem Improvement (recreation/tourism, water supply, carbon sequestration, pollutant filtration) note: water quality improvement is a given: Pelots and Carry Bays have a significant milfoil problem. Reduction of P into these sections of lake will maintain property values while improving water quality for recreation thru better water quality.

Local Pollution Prevention: (nitrogen, metals/pathogens, other contaminant): Direct discharge of phosphorous and nitrogen into the bays will be minimized.

Habitat Improvement (restores habitat and/or connectivity, promotes native species and/or removes native species, protects RTE species, protects significant natural communities): There is a resurgence of native eel grass in the bays, reduction of P will help minimize milfoil and allow the grass to take hold. Eel grass supports fish and other wild life.

Other Environmental Benefit not noted above: Click or tap here to enter text.

Part of a project that also addresses a Permit Requirement of a Public or Non-Profit Entity: Click or tap here to enter text.

Community Support: Click or tap here to enter text.

Environmental Justice (engagement, honors knowledge, access to clean water & food, protects sacred resources) for Vulnerable communities: Click or tap here to enter text.

Services to Public such as aesthetics, recreation, mental health, etc.: Click or tap here to enter text.

7. OTHER CONSIDERATIONS Completion of this section is optional for a pre-application. Minimal text is okay for a pre-application. Completion of this section will be required for a final application.

LEVEL OF UNCERTAINTY: Please describe the level of uncertainty of any elements of your budget.

10 %

BARRIERS: Please let us know any potential barriers/complications to completing this project and how you plan to manage those challenges during the duration of the grant.

Site location will be a challenge to minimize impact on the wetlands. Multiple upstream sites may need to be installed on private land.

LANDOWNER COOPERATION: Please provide an overview of the relative degree of commitment from the landowner to allowing the project to (1) be constructed on their land. Is the landowner aware of the design life of the project and the need for visits during that time to the property for operations, maintenance, inspection & verification?

Permission will be obtained from the Savage Point Road Committee

OPERATIONS & MAINTENANCE: Please provide quantitative estimates of operation and maintenance costs on an annual basis where available. If not available, please provide qualitative estimates.

1,000

DESIGN LIFE: What is the design life of the project once constructed*?*

15 years