



TOWN OF CONCORD
COMMUNITY PRESERVATION COMMITTEE
141 KEYES ROAD, CONCORD, MA 01742
TEL. (978) 318-3290 FAX (978) 318-3291

Application for CPA Funding
Due no later than 4:00pm on Friday, October 9, 2020

Applicant: Town of Concord - Natural Resources Division

Co-Applicant (if applicable): _____

Project Name: Old Rifle Range – Survey and Permitting

Project Location/Address: 66B Old Marlboro Road

Purpose: (Select all that apply)

Open Space Community Housing Historic Preservation Recreation

Project Budget:

Amount of CPA Funds Requested: \$ 34,500

Amount from Other Funding Sources: \$ 22,000

Total Project Budget: \$ 56,500

(If multi-year project, note current phase only)

Please check which of the following is included with this Application:

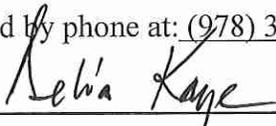
- | | |
|---|--|
| <input checked="" type="checkbox"/> One Paragraph Project Summary * | <input checked="" type="checkbox"/> Timeline * |
| <input checked="" type="checkbox"/> Map (if applicable) | <input checked="" type="checkbox"/> Architectural plans, site plans, photographs
(if appropriate) |
| <input checked="" type="checkbox"/> Narrative * | <input type="checkbox"/> Copy of Audit or most recent Financial
Information (<u>Non Profit Organizations Only</u>)* |
| <input checked="" type="checkbox"/> Selection Criteria and Needs Assessment | <input type="checkbox"/> Letters of Support (if any) |
| <input checked="" type="checkbox"/> Detailed Project Budget * | |
| <input checked="" type="checkbox"/> Feasibility Assessment | |
| <input checked="" type="checkbox"/> Statement of Sustainability (if applicable) | |

* Required Documentation

The Contact Person for this Project is: Delia Kaye, Natural Resources Director

All Correspondence should be mailed to: 141 Keyes Road, Concord MA 01742

The Contact Person can be reached by phone at: (978) 318-3285 or by email at: dkaye@concordma.gov

Signature of Applicant: 

Signature of Property Owner (if different): 

For Historic Preservation Projects Only – please check the box below left and acknowledge:

- I/We have read the **U.S. Secretary of the Interior's Standards for the Treatment of Historic Properties** and understand that planning for and execution of this project must meet these standards.

Project Summary: The Town of Concord – Natural Resources Division is requesting CPA funding in the amount of \$34,500 for survey, design, and permitting services to improve a 0.25-mile section of the main trail through the Old Rifle Range that is seasonally impassable due to its very narrow width at the edge of a steep hill. Funding is requested from the Open Space and Recreation categories.

Narrative: The beloved and well-used trail in the Old Rifle Range conservation land consists of a peaceful winding 1.5-mile path and contains a series of four berms with cement and steel target frames used for shooting practice by Concord's turn-of-the-century Volunteer Militia and World War I trainees readying to head off to battle. The proposed project would create the plan necessary for establishing safe passage along this historic trail though all seasons of the year.

The project site is part of the Old Rifle Range Trail between Old Marlboro Road and Old Mill Road in West Concord, in the vicinity of Targets #1, #2, and #3. The trail in question lies along the primary (yellow) trail, just before the trail splits off onto a red (secondary) and blue (connecting) passage, and is the only access into the network from the parking lot on Old Marlboro Road. The stretch itself is a winding, single-file, 0.25 mile long path among upland and woodland terrain along a steep ridge that descends into Ministerial Swamp.

This section of trail requires widening in some locations from a narrow, 1-foot passage to a safe, level, and accessible 4- to 5-foot passage along where it abuts a steep ridge. The majority of the trail surface is anticipated to remain as a firm and stable hard-packed dirt trail; some areas may require boardwalks. The design will preserve the woodland nature and ethos of the Old Rifle Range trail. The anticipated design will remove steep grades along the trail and improve the accessibility of grade and width for all users.

CPC's Selection Criteria and Needs Assessment

This application meets the following Selection Criteria as found in the 2017 Community Preservation Plan:

- a.) *Eligibility* – Under the CPA legislation, CPA funds can be used to “*remodel, reconstruct or repair (extraordinary, not maintenance) property functional for intended use...*”. This proposal seeks funds to improve an existing trail and therefore qualifies for CPA funding for open space and recreation purposes.
- b.) *Consistency with Town-wide Planning* – The trail improvements are consistent with the objectives of both the 2015 Open Space and Recreation plan and the 2018 Comprehensive Long Range Plan, which both speak to improved access to Town conservation lands and improving walkability of the community. Every effort will be made to make the improved trail ADA-compliant, another goal in both Plans, and compatible with the Town’s efforts to increase access for users of all levels of mobility.
- c.) *Support by Boards, Committees, Community & Town Meeting Actions* – The Trails Committee submitted a grant proposal to the Division of Conservation and Recreation for this project, which was not awarded, and is fully supportive of this proposal.

- d.) *Enhancement of existing Town-owned open space, recreation, historic, and/or housing assets* – The Old Rifle Range Trail resides in the heart of an already well-developed and highly used trail and woodland recreational network in the west side of town. To the immediate east of the trail, across Old Marlboro Road, is the newly completed and enormously popular Bruce Freeman Rail Trail, which brings uncountable numbers of Concord residents as well as local and regional visitors to the area. To the immediate west of the Old Rifle Range is the Musketaquid Sportsmen's Club and Kennedy's Pond, two highly used recreation areas. On the north and south sides of the Old Rifle Range are various neighborhoods, all connected to the conservation area through red and blue trails off the primary yellow trail where this project is proposed. In addition, to the southeast of the trail and within walking distance are Concord's two middle schools, to which many children from area neighborhoods walk or ride their bikes through the trails. And, to the immediate north of the Old Rifle Range conservation area is another well-used trail network called the Westvale-Harrington Park Trail. The 0.25-mile stretch this proposal seeks to improve for safe passage sits at the very epicenter of a wide-ranging and vital network of foot traffic that essentially must come to a halt in the winter months because any amount of snow or ice makes it treacherous to traverse. With these funds and the ability to design and permit year-round passage through the Old Rifle Range, the Town will be extinguishing a critical gap in this network to allow direct access by walkers, hikers, runners, youth on their way to school, residents on their way to neighbors' houses and many more from these neighborhoods and beyond.
- e.) *Service of Multiple or Underserved Populations* – Please see above response.
- f.) *CPA Purposes* – This proposal meets two of the four CPA purposes: open space and recreation.
- g.) *Administrative and Financial Management* – The project will be administered by the Division of Natural Resources, which has extensive experience overseeing CPA and other grant funds.
- h.) *Successful Implementation of Similar Projects* – Division of Natural Resources staff develop bid documents and oversee trail restoration projects for projects of comparable scale on a regular basis.
- i.) *Site Control* – The Old Rifle Range conservation land is owned by the Town of Concord.
- j.) *Financial Need* – The entire cost to survey, design, and obtain approvals to improve the trail is not a planned capital cost in the Town's budget. It is therefore necessary to seek outside funds to advance the project.
- k.) *Sources of Funding* – CPW – Engineering and Natural Resources Division staff will provide in-kind services for wetland delineation, design plans and bid documents, and wetland permitting.

- l.) *Project Plan Feasibility* – Division of Natural Resources staff have extensive experience in all aspects of trail improvement projects, as well as expertise in design efforts to minimize impacts to sensitive resources such as Ministerial Swamp.
- m.) *Urgency of Project* – This section of trail is very narrow, allowing only one person to pass at a time. Its location on the side of a steep slope makes it difficult for trail users to step off the path, which has been especially challenging with the heavy use of conservation lands since the onset of COVID-19.
- n.) *Maintenance Provisions* – The Town, with the assistance of the Trails Committee and Trail Stewards, regularly maintains bridges, boardwalks, and trails.
- o.) *Permanent Restriction* – No permanent restriction is proposed as part of this project.
- p.) *Reimbursement* – This proposal does not seek reimbursement of previously appropriated funds.
- q.) *Incorporation of Sustainable Design Features* – The Town will pursue a design that minimizes impacts to the environment and incorporates sustainable design features to the maximum extent practicable. Similar to footbridges constructed along the Emerson-Thoreau Amble, the Division anticipates the use of helical piers to minimize wetland impacts.
- r.) *Four Sustainability Principles* – N/A.
- s.) *Local Qualified Vendors* – The Town will adhere to state procurement regulations, and will award projects to local bidders where it is legal and feasible to do so.
- t.) *Normal CPC Schedule* - This proposal does not request the CPC to act outside their normal schedule.
- u.) *Land Acquisition Projects* – N/A.

Budget (see following page)

Feasibility

The Division of Natural Resources has completed several reconstruction and restoration projects and has the ability and experience to oversee work to design and permit the Old Rifle Range survey, design, and permitting on time and within budget.

Timeline

The Natural Resources Division will issue an RFQ/RFP for survey services and specialty engineering services in the fall of 2021. Wetland delineation will also be done in the fall of 2021. The survey and design is anticipated to occur in the fall/winter months of 2021/2022, with permitting in early 2022.

Budget

Cost of In-House Services	<u>Brief Description</u>	<u>CPA Request</u>	<u>Match</u>	<u>Total Cost</u>	<u>Source of Match</u>
Project Administration	Issue RFQ/RFPP for survey services and specialty engineering services; schedule and track project milestones; ensure compliance with grant requirements	\$ -	\$ 2,000.00	\$ 2,000.00	Town staff
Wetland Delineation	Delineation along 1,200± feet of trail	\$ -	\$ 1,000.00	\$ 1,000.00	Town staff
Design and Bid Documents	Preliminary and final design plans; cost estimates; bid specifications; contract documents	\$ -	\$ 16,000	\$ 16,000.00	Town staff
Permitting	Notice of Intent preparation; presentation to Natural Resources Commission, coordination with NHESP and Concord Historical Commission	\$ -	\$ 3,000	\$ 3,000.00	Town staff
Cost of Consultant / Sub-Contracted Service:	<u>Brief Description</u>	<u>CPA Request</u>	<u>Match</u>	<u>Total Cost</u>	<u>Source of Match</u>
Survey	Topographic and wetland survey of approx 50 on both sides of existing trail; existing conditions drawing	\$ 18,000	\$ -	\$ 18,000.00	N/A
Specialty Engineering	Soil sampling; detailing of proposed trail cross sections and slope stabilization by geotechnical/structural engineer; bid support services	\$ 16,500	\$ -	\$ 16,500.00	N/A

Total CPA Request: \$34,500.00

Total Proposed Match: \$22,000.00

Total Project Costs: \$56,500.00



Figure 1: Main (yellow) trail

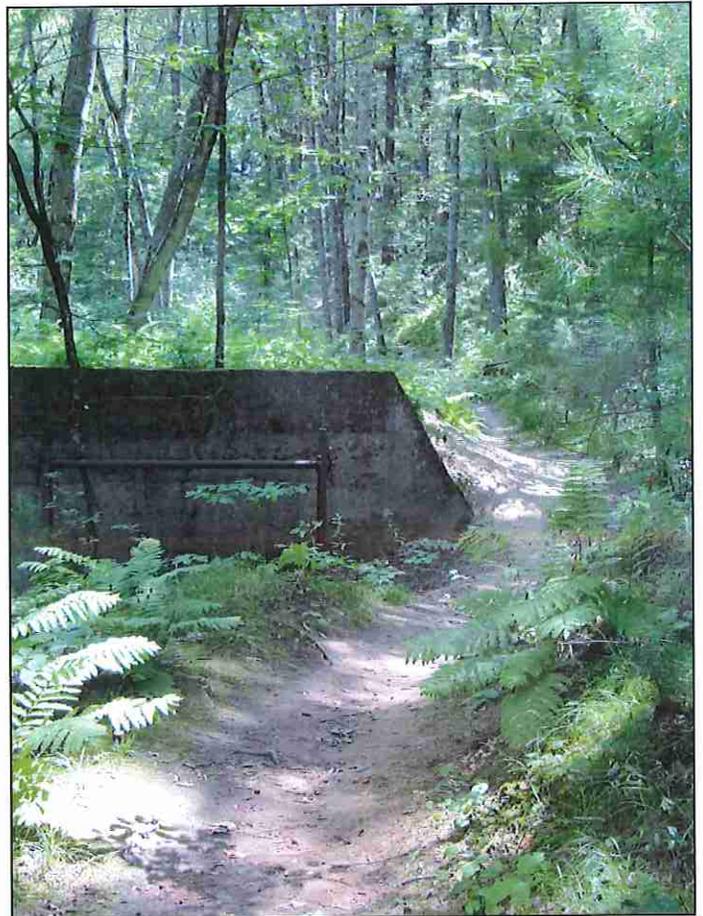


Figure 2: Trail alongside target



Figure 3: Treacherous trail section

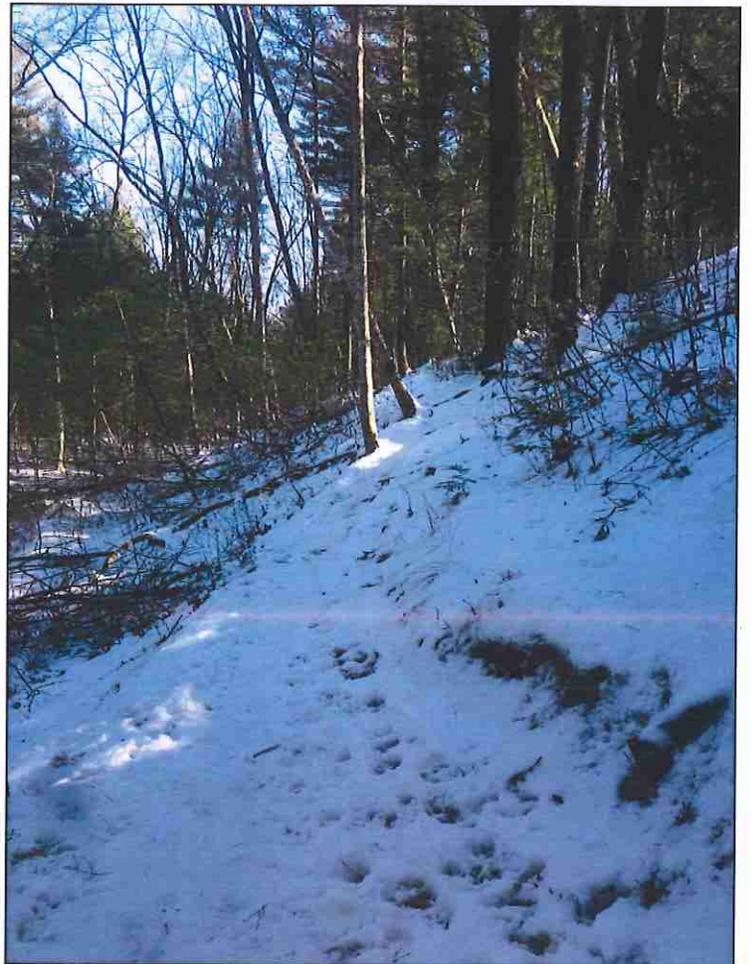


Figure 4: Treacherous trail section