

GREENFIELD COMMUNITY PRESERVATION ACT APPLICATION FORM

Submit this application **by November 30, 2022** to:

Greenfield Community Preservation Committee

% Christian LaPlante

14 Court Square

Greenfield, MA 01301

Or by email:

Date submitted: by U.S. mail , email 11/30/22, or in person

Project Title: Highland Park / Temple Woods Trail Renovation
Applicant: W. Kim Boas
Are you an incorporated organization? <u> </u> Y <u> x </u> N If not, who is your fiscal sponsor? The Greenfield Recreation Department has stated they will be the fiscal sponsor.
Contact Name: W. Kim Boas
Mailing Address: 32 Peabody Ln
Daytime Phone #: 413-348-4053
Email Address: wkboas@gmail.com
Date of Submission: 11/29/2022

Total Project Cost	CPA Funds Requested
\$15,000	\$15,000

CPA Category (Please check a minimum of one category below. Your project may involve more than one category (see CPA chart in application instructions). Please check as many as are appropriate. For instance, your project could be community housing that renovates a historic building. In that case, you would check Historic Preservation and Community Housing.

Open Space x

Historic Preservation

Recreation x

Community Housing

PROJECT DESCRIPTION

1. Describe the Project

Overview

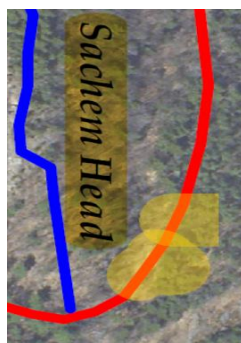
Highland Park is often stated as a wonderful asset to the City of Greenfield. Yet, there is no ongoing maintenance of the well-used trail system within it. The lack of regular maintenance to keep trails stable, in terms of water runoff and the wear from decades of hikers, has resulted in severely eroded trails, several of which should be called gullies instead of a trail. Other trails are being affected from heavy rain and poor drainage profiles which are contributing to rainfall draining down the center of the trail, instead of off either one or both sides. There is also a lack of understanding among the public and caretakers on what is required to restore and or maintain trails. Maintenance is the process of keeping something in working order. It occurs regularly and is planned. If maintenance is not done than failures result. This project addresses the trail failures of erosion and poor drainage that have resulted from the lack of maintenance over the years. If these trails had received regular maintenance, they would not need the renovation being suggested in this proposal.

The proposed project intends to address: trail renovation - through restoring a highly eroded trail and improving drainage on adjoining trails to curtail further erosion; minor trail improvement on the green trail near the parking lot and stabilization of an unofficial trail coming off the back side of Sachem's Head. The work to be done in this project will use AmeriCorp labor provided through the Appalachian Mountain Club (AMC). The AMC will provide project planning, work crew oversight and direction and coordination with the City of Greenfield.

Trail Restoration Project

The trail chosen for this project is located off the main trail and climbs over a short, steep hill to the power line right of way (ROW). It is marked with a double blue hash and has a Pocumtuck Ridge Trail Marker. It is not shown as an existing trail on the Park's trail map but is well used and its present state has affected the main red trail that loops around Sachem's Head.

General Area for Restoration



The trail to be restored, in its present state, climbs straight up and over the hill to the powerline right-of-way. Usage and weather have created a deep cut into the hillside. Soil and debris from this cut has collected at the base of the trail and blocked the upper part of the natural drainage for the adjoining main Red trail, causing erosion in the trail from the top of the hill by the Bear's Den down the hill to the junction of the trail towards Cheapside.

Trail Erosion on Double Blue trail. View is from the main red trail



The approach for trail restoration will involve re-routing the present trail to better follow the terrain of the hillside by traversing up the hill, creating a gentler sloping trail, instead of the straight up the hill approach of the existing eroded trail. The trail work will also include the restoration of the eroded trail to its natural contour.

Project Time Estimate: One (1) week

Project Cost Estimate: \$5,000

Drainage Improvement Project

The second part of the project involves drainage improvement along the east side of the red trail and the unmarked, but well used, trail which branches off the red trail and crosses the right-of-way at the base of a steep drop-off. This trail follows the base of the ridge towards Cheapside/Montague Road. For additional reference, this unmarked trail ultimately connects to the green trail loop.



Drainage improvement on the red trail would be on the right-hand side of the trail from the top of the rise to the junction with the unmarked trail which crosses the ROW at the base of the ridge



Close-up of erosion on the red trail (2021)



Same location on red trail as previous photo (2022)

The work will begin at the junction with the new, improved double blue trail then, down the red trail to and along a short section of the undesignated trail. Work on both trails will include: creating better drainage along the east side of the red trail down to the trail junction with the unmarked trail and; constructing a turnpike* on the undesignated trail. creating a drainage, so that water will drain below the turnpike and off the down slope side of the trail, instead of down the middle of the trail as it does at present. The turnpike part of the project will need to use available stone, possibly rock-fall from the nearby cliff faces, and lumber, possibly from fallen or existing cut trees to create the turnpike.

*a turnpike is a rock or log-edged section of trail, constructed in successive layers of large fitted rock, smaller rock, then mineral soil, to lift the tread out of a wet area.



Intersection of red trail and undesignated trail. This trail goes toward Cheapside St. and connects to the Green Trail

An example of a trail turnpike



Project Time Estimate: 1.5 weeks

Project Cost Estimate: \$7,500

General Trail Improvement Project

The third part of the project is minor rehab on a section of the green trail that starts at the parking lot. This work would mainly be drainage bars and general trail improvement. A second part of this effort would entail improving an existing unofficial trail to improve its stability. This trail comes off the back side of Sachem's Head and provides easier access to and from the Sachem's Head viewing platform. It connects to the blue trail as it descends to the red trail near the Bear's Den. It has become much used during the pandemic by families and their young children. For most of its length, this short trail has a contour that does not encourage poor drainage which makes it a good candidate for an official trail. There is a need to stabilize a short decent however, as well as the remainder of the trail to enable it to better handle its increasing level of use.



Trail from parking lot (on left). Signage denotes trail as green G1



Trail from parking lot a short way up from previous photo.



Area of concern on unofficial trail – back side of Sachem’s Head.

Project Time Estimate: 0.5 weeks

Project Cost Estimate: \$2,500

2. What are the goals of the proposed project?

1. Demonstrate trail restoration practices to incorporate into future trail work.
2. Initiate activity to fund additional trail renovation and maintenance.
3. Address Implementation Actions in the Land Use Section of the Sustainable Greenfield Master Plan the Open Space and Recreation Plan 2021 in regards to trails.

3. Who will benefit from this project and why/how?

1. All residents who use the trails will benefit. Well-constructed, stable, and safe trails enables better access to open space for the impaired and older residents or families with very young children, as well as the rest of the local and non-local user population.
2. City government has a valuable asset in its woodland parks and trails. Trails in a degraded, potentially unsafe state pose potential liability issues. Trails that become increasingly degraded limits access for older or impaired individuals. Impassable trails will cause residents to widen existing trails to move around obstacles or create unofficial trails in inappropriate locations, creating more issues. Most importantly is the cost of major rehabilitation. Waiting for additional major failures to occur before fixing a trail will be more expensive then addressing issues before they get out of hand.

4. How will you measure your success?

1. Completion of trail and drainage work.
2. Generating a greater interest in caring for Greenfield’s hiking and walking trails.

5. How does this project fit with the requirements of the Community Preservation Act? (See attached chart)

Walking, hiking, running, biking, snowshoeing, or Nordic skiing are recreational activities that use the Highland Park trails. High school cross-country teams compete on some of the trails. Trail improvement helps preserve this well used local recreational resource. This project aligns with the Community Preservation Committee's goals of rehabilitation of outdoor recreational facilities.

6. If appropriate, how does this project fit with existing City plans? (See GCPC Plan [\[hyperlink\]](#))

The Sustainable Greenfield Master Plan discusses trails in its Land Use section. Trails are also included in the 2021 Open Space and Recreation Plan.

7. Who is encouraging you with this project? If you have letters from organizations or City boards, please attach them.

Attach are letters of support from the Greenfield Recreation Department, the Greenfield Recreation Commission and an individual letter of support.

8. Budget:

Budget Summary

Total Budget	CPA Funds Requested	Funds from Other Sources
\$15,000	\$15,000	\$ TBD

Complete Budget

Trail Restoration

Project Time Estimate: One (1) week

Project Cost Estimate: \$5,000

Drainage Improvement

Project Time Estimate: 1.5 weeks

Project Cost Estimate: \$7,500

General Trail Improvement

Project Time Estimate: 0.5 weeks

Project Cost Estimate: \$2,500

Total Time Estimate: 3.0 weeks

Total Cost Estimate: \$15,000

\$5,000 is the base pay for the AmeriCorps Crew labor for a week. This cost covers pay of the 5 crew members, gas costs, food costs, staff support during that time, etc. Additional resources such as lumber and or stone can hopefully be obtained from rock debris piles and downed or recently cut trees.

Some definitions:

Personnel: Any paid staffing

Equipment: items with a useful life expectancy of more than one year.

Supplies: items with a useful life of less than one year.

Contractual: any work that is done for a limited period of time by a person/organization with specialized skills, e.g. lawyer, surveyor, etc.

Construction: all work done on a particular property or building including erecting, altering or remodeling.

Category	CPA Funds	Other Funds/In kind value (see below)	Total
Personnel			
Equipment			
Supplies			
Contractual – AMC and AmeriCorp	\$15,000		
Construction			
Other			
TOTAL	\$15,000		

Other Funds:

- Please identify the other sources of funding including federal, state, or local government or any other sources.
- Cash means that the source is providing funds.
- In kind means that the source is going to give labor or goods, but no cash. In kind support still has value. How much would it cost if you were to pay for the labor or goods?
- Confirmed means that the organization or business has made a commitment to supply the items, labor or funds

Organization	Item	Amount or value	Cash (Please check)	In kind (Please check)	Confirmed (Y or N)
N/A					

9. Timeline:

Please provide a schedule for project implementation. Please include major tasks, e.g. survey, acquisition of historic documents, etc.

Task	Estimated Start	Estimated completion
Secure Funding	7/1/2023	7/1/2023
AmeriCorp Contract Partnership Agreement	7/15/2023	7/23/2023
Trail Renovation	8/1/2023	8/7/2023
Trail Drainage Improvement	8/8/2023	8/17/2023
Trail Rehabilitation	8/18/2023	8/22/2023

10. Implementation:

If you have a project manager already in place, please provide the following information. If you do not yet, have that information, please discuss the process to move forward on that task.

Project Manager (Paid or volunteer)	Phone	Email
Becki Linhart		blinhart@outdoors.org

Plans for hiring a paid or volunteer project manager:

Project manager cost is included in total Personnel costs. Becki Linhart of the AMC will coordinate with Christy Moore of the Recreation Department for scheduling and all other project requirements.

11. Maintenance (Leave blank if not applicable to your project)

If your project requires ongoing maintenance, who will be responsible for that for the 5 years after completion? How will that maintenance be funded?

This project will mitigate further trail erosion and more costly trail repair.

Maintenance Budget

Year 1	Year 2	Year 3	Year 4	Year 5

To the best of my knowledge and belief, all data in this application are true and correct. This document has been duly authorized by the individual or governing body of the applicant.

Name of authorized representative:

Title, if appropriate

Email
wkboas@gmail.com

Phone number
413-348-4503

Signature of Authorized Representative
W. Kim Boas

Date Signed 11/30/2022

Letters of Support

To: Community Preservation Committee (CPC)

From: Nancy Hazard

30 Spring Terrace, Greenfield MA

Nancyhazard30@gmail.com

RE: Support letter RE: Highland Park / Temple Woods Trail Renovation Application for funding

Submitted by W. Kim Boas

Dear Greenfield CPC Committee,

I recommend that the Greenfield CPC fund the proposal entitled Highland Park / Temple Woods Trail Renovation, submitted by Kim Boas..

The project addresses several of the CPC's top priorities by:

- improving physical access to or quality of, the City's current open space
- Increasing access to outdoor recreation by improving access to, and enjoyment of, the City's outdoor recreation operations.

This project also meets CPC's Open Space Project priority to: Preserve, protect and enhance Greenfield's open space by protecting the trail system.

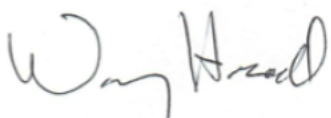
In particular the trail chosen for Restoration and Drainage improvement will improve access by rerouting this trail and make it safer, by 1) making it less steep, and 2) remove ankle-twisting gullies caused by erosion. It will also demonstrate and educate residents about good trail design that is safe, and is designed to manage water runoff and reduce trail maintenance.

As for the third aspect of the proposal RE general trail improvement, there is a great need to have a safe trail to sachem's Head. Multiple trails have been made in this area, but none are easy to ascend or descend.

In summary, I highly support this project, which focuses on sections of Highland Park and Temple Woods that are heavily used by Greenfield residents. These improvements will not only improve access and protect several trails, but will also demonstrate good trail design and maintenance, which I hope will inspire people to volunteer to enhance and maintain one of Greenfield's most used and loved sections of this park for hiking, running, snowshoeing and skiing, meditating, and enjoying nature and the beauty of our surroundings.

Thank you for your work and consideration of this proposal.

Sincerely,



Nancy Hazard

FYI. I am a member of Greening Greenfield and the Sustainable Greenfield Implementation Committee (SGIC). The opinions expressed here my own.



Roxann Wedegartner
Mayor

City of
GREENFIELD, MASSACHUSETTS

**DEPARTMENT OF RECREATION
CHRISTY MOORE**

Director

20 Sanderson Street • Greenfield, MA 01301
Phone 413-772-1553 • Fax 413-7723-0115
christy.moore@greenfield-ma.gov • www.greenfield-ma.gov



Recreation Commission:
DuSell, Donna (2023)
Hochstetler, Danica (2024)
Hoffman, Jennifer (2023)
Jaquay, Myrt (2022)
Phillips, Mary (2024)
Valenta, Heather (2022)
Zaccheo, Barbara (2022)

November 29, 2022

Dear Community Preservation Committee,

The Recreation Department supports W. Kim Boas's CPC application to restore and preserve hiking trails at Highland Park Temple Woods area. In addition to providing outdoor recreation, trails foster an appreciation and respect for nature and its natural beauty.

Greenfield is well known for its Highland Park trail system extending the entire length of the ridgeline. The park is heavily used by community members and visitors whether they are walking, hiking, dog walking or mountain biking.

While the park system and trails fall under control and management of the City; the City does not have the staffing, knowledge, or expertise in trail construction or maintenance where surface runoff creates erosion problems. Collaborating with experts from AMC and AmeriCorps will hopefully solve our erosion issues while also demonstrating techniques that can be implemented in the future.

Thank you for your consideration of this project and all the projects that have been submitted in the effort to enhance Greenfield's recreational facilities.

Sincerely,

A handwritten signature in black ink, appearing to be "CM", with a long horizontal line extending to the right.

Christy Moore
Recreation Director



Roxann Wedegartner
Mayor

City of
GREENFIELD, MASSACHUSETTS

DEPARTMENT OF RECREATION

CHRISTY MOORE

Director

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Greenfield Recreation Commission
20 Sanderson Street
Greenfield, MA 0131

November 18, 2022

Re: W. Kim Boas' CPA Grant Application

Dear CPA Committee,

We, the below listed members of the Greenfield Recreation Commission, write to express our support for Kim Boas' Community Preservation Grant request to restore and preserve hiking trails in Temple Woods. This project is in-line with CPA criteria of recreation.

These trails are used by walkers, runners (including the high school's cross country team), hikers, dog walkers and mountain bikers. Over the years, use and weather have severely eroded some trails to the point of creating hazardous conditions. Repairs to create better drainage patterns restore grades, repair and install stairs and improve access are needed.

We understand that the Greenfield Recreation Department will collaborate with Mr. Boas and fellow interested citizens regarding project steps.

We appreciate the value of this project to the citizens of Greenfield, and have discussed such improvements previously. The Recreation Commission and Department stand ready to assist. Recreation Commission and Department stand ready to assist.

Sincerely,

Donna DuSell, Barbara Zaccheo , Myrt Jaquay, Jennifer Hoffman, Danica Hochstetler, Heather Valenta and Mary Phillips



*City of Greenfield is an Affirmative Action/Equal Opportunity Employer,
a designated Playful City, Green Community and a recipient of the "Leading by Example" Award*