

CPC USE ONLY:	
Application #:	_____
Eligible:	Y N

**TOWN OF NEEDHAM
COMMUNITY. PRESERVATION COMMITTEE**

**INITIAL ELIGIBILITY PROJECT APPLICATION
FY2026**

The deadline for completed applications is **NOVEMBER 1, 2024**. Submit via email to Cecilia Simchak at csimchak@needhamma.gov and Lauren Spinney at lspinney@needhamma.gov. For more information visit www.needham.gov/CPC.

1. Applicant: **Submission Date:** October 31, 2024
Needham Conservation Department & Commission

2. Applicant's Address, Phone Number, Email:
500 Dedham Ave
Needham, MA 02492
Contact Name:
Debbie Anderson, Director of Conservation
781-455-7550 x248
Andersond@needhamma.gov
Dave Herer, Chair, Conservation Commission
781-953-7222
Dave.herer@comcast.net

3. Purpose (*select all that apply*)

- | | |
|-------------------------------------|------------------------------|
| ☒ | Open Space |
| ☐ | Community Housing |
| ☐ | Historic Preservation |
| ☒ | Recreation |

4. Project Name:
Needham Trail Signage Improvements

5. Project Location/Address:
Various open space properties in Needham, including Ridge Hill, Town Forest, Needham Reservoir, Newman School, Mitchell Woods, Rosemary Lake, Greendale Ave, Sunita Williams School and the Rail Trail.

6. Property Ownership (*Control*):
All properties are owned by the Town of Needham and are controlled by various Town departments including Park and Recreation, Conservation Commission, Select Board and the School Committee.

7. Amount Requested: \$104,000

8. Estimated Total Project Cost: (*If Different*) \$104,000

9. Critical Dates: (If Applicable)

Goal is to begin the project in the spring of 2025 and complete by the end of 2025.

10. Project Summary: (In 100 words or less provide a brief summary of the project)

The Town has numerous protected open spaces with trails that offer opportunities for passive recreation, including hiking, cross-country skiing, biking and access to ponds. However, over the years, trail wayfinding signage in many heavily used areas has significantly deteriorated, becoming confusing or non-existent. This project aims to enhance trail use, visibility, safety and user experience by developing a consistent approach and appearance for trail signage and maps. Project elements include new wayfinding signs at trail heads and intersection, trail markers, entrance signs and kiosks at major properties, and updating Town's trail maps and webpage.

11. Community Need: (In 100 words or less describe how the project meets the goals of the Needham Community Preservation Plan)

This project aligns with one of the primary objectives of the Needham Trails Master Plan (2008), previously funded by the Community Preservation Committee. The plan aims to:

"Improve trail visibility, access and use. Needham residents currently do not use the trail system to its fullest extent because of low visibility and varying levels of user-friendliness. To encourage increased trail use, which provides health benefits and increases environmental awareness, measures should be taken to promote use of the trail system; make residents aware of trails; and improve the usability of trails by adding signs, kiosks, and providing maps."

11. Eligibility for Funding: (In 100 words or less, state the legal basis for why this project is eligible for Community Preservation Act funding).

This project is a capital improvement to improve the functionality of a specific recreational use. Recreation as defined in the CPC Plan, encompasses "the acquisition, creation, preservation, restoration and **rehabilitation** of land for recreational use." The CPA further defines recreational use as, "active or passive recreational use including, but not limited to, the use of land for community gardens, **trails**, [etc.] ..." Also, **rehabilitation** "shall include the replacement of playground equipment and other capital improvements to the land or the facilities thereon which make the land or the related facilities more functional for the intended recreational use."

Note: This application enables the Community Preservation Committee to review the request to assess eligibility. You will be notified of the Committee's determination by December 1, 2024. Additional information may be required.

**NEEDHAM COMMUNITY PRESERVATION COMMITTEE
APPLICATION FOR FUNDING**

RECREATION FOLLOW-UP QUESTIONS

Submit to: Cecilia Simchak csimchak@needhamma.gov
Lauren Spinney lspinney@needhamma.gov

Due Date: January 1, 2025

Application No: FY2026-02 **Project Title:** Needham Trail Signage Improvements

CPC Liaison(s): Reginald Foster reginaldcfooster@gmail.com
Marshall Davis marshallsdavis@gmail.com

APPLICANT INFORMATION:

Organization: Needham Conservation Department and Commission

Contact Name(s): Debbie Anderson, Director of Conservation

Dave Herer, Chair, Conservation Commission

Address: 500 Dedham Avenue, Needham, MA 02494

Telephone No: Debbie: (781) 455-7550 x 248 & Dave: (781) 953-7222

Email(s): andersond@needhamma.gov; dave.herer@comcast.net

Please insert at least a brief narrative answer on all applicable subjects.(if a question is not relevant to the project, please list N/A.) If more space is needed, feel free to attach appendices and/or cross-reference other documents provided to the Community Preservation Committee.

PROJECT DETAILS

1. Summarize the scope and/or concept of the project:

- a. Provide all design specifications and/or architectural plans applicable to the project.**

[See Attachment A – Trail Signage Scope of Work](#)

- b. List the names and addresses of project architects, contractors, and consultants.**

[N/A](#)

- c. **Provide a projected task plan and timeline.** *(Should you be awarded CPA funding, these tasks will be the basis of your Project Status Reports that will be due periodically until the project is complete).*

Project is expected to be completed in CY 2025. See Attachment A – Trail Signage Scope of Work for additional detail.

- d. **Describe any maintenance requirements and estimated yearly costs of maintenance for the completed project.**

None

2. **List the anticipated project cost:**

- a. **Provide a budget with line itemization, including any funding requested previously, as well as any possible future funding requests.**

See Attachment B – Trail Signage Cost Estimate

- b. **Does this project leverage additional or multiple sources of public and/or private funding or assist in planning and development activities to facilitate such leverage? Please provide details.**

This project will leverage considerable volunteer labor value.

See Attachment A – Trail Signage Scope of Work for additional detail.

- c. **Indicate expenditures & funding (by municipal fiscal year):**

Fiscal Year	Total Project Estimated Expenditures	CPC Funds Requested	Other Funding Sources (Amount & Source)
FY '26	\$104,000	\$104,000	Volunteer labor
FY '27			
FY '28			
FY '29			
FY '30			
TOTAL:	\$104,000	\$104,000	Volunteer labor

3. **Supply detailed Project Information:**

- a. **Provide the deed and recorded plans, and maps or renderings of the subject property.**

The project involves at least 7 properties some containing multiple parcels, all of which are owned by the Town of Needham and controlled by either the Conservation Commission, Park and Recreation Commission, Select Board or the School Committee. Each have provided permission for this project.

- b. **Provide inspection reports, existing conditions reports, 21E reports, and other environmental assessment reports.** N/A

- c. Provide details of any natural resource limitations (wetlands, flood plain, etc.) to which the property is subject.

N/A

- d. Provide details of any zoning restrictions (i.e. district, dimensional, and use regulations as applicable to the property) to which the property is subject.

N/A

- e. Is the proposed project on the Select Board's capital priority list?

The project is on the current Capital Improvement Plan

- f. Is the proposed project on the capital priority list of the applicant?

Yes

- g. Is there an urgency related to the timing of the project (including scheduling factors not controlled by the applicant)? Provide details.

No

4. Address CPA Application Evaluation Criteria:

- a. Summarize how the proposed project utilizes, preserves, protects, increases, and/or enhances recreational activities and access to Needham's natural and recreational resources.

The Town has numerous protected open spaces with trails that offer opportunities for passive recreation, including hiking, cross-country skiing, biking and access to ponds. However, over the years, trail wayfinding signage in many heavily used areas has significantly deteriorated, becoming confusing or non-existent. This project aims to enhance trail use, visibility, safety and user experience by developing and implementing a consistent approach and appearance for trail signage and maps.

- b. Explain how this project meets the following General Factors for Consideration of the Needham Community Preservation Plan. Provide details:

1. The project is consistent with the goals of the Town of Needham Community Preservation Plan.

This project aligns with one of the primary objectives of the Needham Trails Master Plan (2008), previously funded by the Community Preservation Committee. The plan aims to: *"Improve trail visibility, access and use. Needham residents currently do not use the trail system to its fullest extent because of low visibility and varying levels of user-friendliness. To encourage increased trail use, which provides health benefits and increases environmental awareness, measures should be taken to promote use of the trail system; make residents aware of trails; and improve the usability of trails by adding signs, kiosks, and providing maps."*

2. The urgency of the project with particular consideration to those requests whose successful implementation is constrained by scheduling factors not controlled by the applicant.

The project is not constrained by scheduling factors.

- The project is economically or otherwise reasonably feasible to implement and operate on a long-term basis.

Proposed signs will last 20-30 years and require no maintenance.

3. The project satisfies federal, state and local laws to the extent applicable.

N/A

4. The project leverages additional or multiple sources of public and/or private funding or assists in planning and development activities to facilitate such leverage may possibly be preferred.

The project leverages significant volunteer labor.

5. The project utilizes, preserves, protects, increases or enhances Town-owned open space, recreation, historic and/or housing assets.

The project enhances the Town's trail system.

6. A project that benefits privately owned resources shall include permanent restrictions to ensure a public benefit.

N/A

7. Awarding funds for the project is consistent with prudent long-term management of CPA funds.

The project involves modest funds with long-term results.

8. The project proponent has demonstrated to the reasonable satisfaction of The Committee the ability and competency to implement the project as proposed either by its record of successfully implementing similar projects or otherwise.

The project will be managed by the Town's Conservation Department with oversight from the Conservation Commission.

9. The applicant has site control, or the written consent by the property owner (or relevant Town agency or board) to submit an application.

Applicant has received permission from the relevant Town agencies/boards.

10. The Committee prefers to bring projects to the Annual Town Meeting in May, though under special extraordinary circumstances that affect the project negatively, a project may be considered to be presented at a Special Town Meeting.

Presentation at the May Town Meeting supports the proposed project schedule.

11. CPA funding will enable the project.

Funding for this project does not currently exist.

c. Explain how this project addresses the following Recreation Factors for Consideration in the Needham CPA Plan (if any):

- Provides additional athletic fields to meet the needs of the Town's growing demand.
N/A
- Encourages and develops more recreational access/use of open spaces (where appropriate) and natural resources.
Improved signage will improve trail visibility and encourage use.
- Encourages regional bike trails throughout Needham.
Certain trails, especially in the Town Forest are popular with trail bikers.
- Enhances resources for walking, hiking, cross-country skiing, bicycling, boating and fishing.
Improved signage will improve trail visibility and encourage use.
- Increases recreational uses of the Charles River.
Ridge Hill and Rail trail offers views of the Charles River.
- Acquires land to fulfill identified current and future recreational needs.
N/A
- Develops active recreational resources including playing fields, improved/new playgrounds, and improved handicapped access; also addresses adult senior and toddler recreational needs.
N/A

5. Supporting documents:

a. Please attach letters, references, studies, maps, statistics or any other documents which support the merits of the application.

Attachment A – Trail Signage Scope of Work

Attachment B – Trail Signage Cost Estimate

SUPPLEMENTAL FOLLOW-UP QUESTIONS

Application No: FY2026-02 **Project Title:** Needham Trail Signage Improvements

CPC Liaisons: Reginald Foster reginaldcfoster@gmail.com
 Marshall Davis marshallsdavis@gmail.com

Submit to: Cecilia Simchak csimchak@needhamma.gov
 Lauren Spinney lspinney@needhamma.gov

Due Date: January 1, 2025

1. Kindly provide more detail as to the scope of the anticipated project that will be funded with this CPA funding request. For all the trails in Town, is there an inventory of the specific number of anticipated new wayfinding signs that are required at various trailheads and intersections and of new trail markers, entrance signs and kiosks?

[Attachment A – Trail Signage Scope of Work provides more details regarding the number and location of new signs, etc.](#)

2. Kindly provide examples/photos of existing deteriorated trail signage.

[Attachment A – Trail Signage Scope of Work provides examples of existing signage.](#)

3. Kindly provide examples of the proposed new wayfinding signs, trail markers, entrance signs, etc.

[Attachment A – Trail Signage Scope of Work provides examples of proposed signs.](#)

4. Which of the trails identified in the Project Location section of the Initial Eligibility Project Application are anticipated to be improved with Trail Signage Improvements within the estimated total project cost?

[Attachment A – Trail Signage Scope of Work provides additional details.](#)

5. If the estimated total project cost of \$104,000 is not expected to cover all of the signage improvements to the trails identified in the Application, will the applicant be coming back to CPC for additional funding in the future? If so, what is the anticipated total cost of the entire proposed project?

[The estimated project cost is expected to cover all the work described in the scope of work. However, additional work may be identified during the project, such as the need for additional parking, and this may be the subject of future requests.](#)

6. Kindly provide a breakdown and allocation of the anticipated total cost between materials and labor costs. Will the work be done by Town employees or 3rd party contractors?
-

A detailed breakdown of estimated project costs is provided in Attachment B - Trail Signage Cost Estimate. Town employees, volunteers and an outside contractor will perform the work. This is outlined in more detail in Attachment A – Trail Signage Scope of Work.

7. Are there other sources of funding for this project?

The labor effort provided by volunteers can be considered a type of “funding”

8. With regard to public benefit, is there an estimate as to how many Needham residents use the various trails in the Town on an annual basis?

To our knowledge, this has not been estimated. Anecdotal evidence suggests that the trails are very popular, especially Ridge Hill, Town Forest, Rosemary Lake, and Reservoir.

9. If making improvements to trail signage increases resident use of the trails, will this necessitate additional parking at trailhead locations?

The primary areas, Ridge Hill, Town Forest, Rosemary Lake, and Reservoir have ample parking and space for overflow. Some isolated trailheads may not. This can be studied and subject to a future project.

10. Please elaborate as to whether this project is "rehabilitation" or " preservation" of land for recreational use.

This project can be considered both creation and rehabilitation related to land for recreational use. Creation, as some of the proposed scope items do not currently exist, and rehabilitation as some items are in a poor state of repair and need to be replaced are refurbished.

Attachment A Trail Signage Improvement Scope of Work

Town of Needham
Conservation Department
Conservation Commission



Background

- Needham has more than 25 miles of publicly assessable trails at 11 locations
- Over the years trail wayfinding signage in many heavily used areas has significantly deteriorated to the point where it is confusing or non-existent.
- Improvements in signage were recommended in the 2008 Trails Master Plan (CPA funded)
- More recently, in 2023 and 2024 the ad-hoc Trails Advisory Committee discussed improvements and met with a consultant (also CPC funded) to develop ideas

Project Goals

Upgrade and expand signage at the town open space trail locations to:

- Increase trail use, visibility, safety and the overall user experience
- Increase awareness of trails and open space
- Provide uniformity and standard appearance
- Improve wayfinding on trails

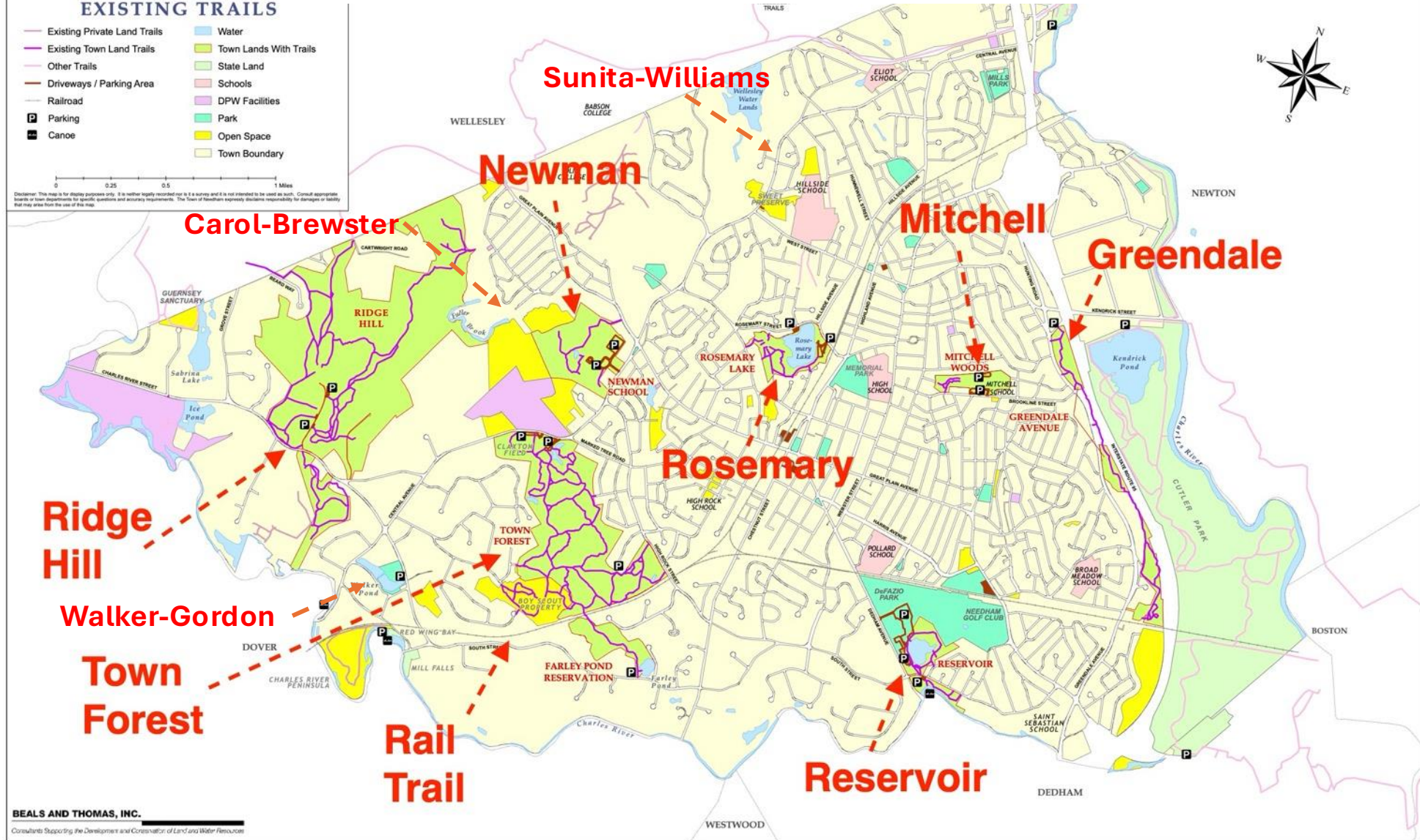


EXISTING TRAILS

- Existing Private Land Trails
- Existing Town Land Trails
- Other Trails
- Driveways / Parking Area
- Railroad
- Parking
- Canoe
- Water
- Town Lands With Trails
- State Land
- Schools
- DPW Facilities
- Park
- Open Space
- Town Boundary

Disclaimer: This map is for display purposes only. It is neither legally recorded nor is it a survey and it is not intended to be used as such. Consult appropriate boards or town departments for specific questions and accuracy requirements. The Town of Needham expressly disclaims responsibility for damages or liability that may arise from the use of this map.

Townwide Trails - 11 Locations



Existing Conditions – Entrance Signs



Existing Conditions – Kiosks



Existing Conditions – Trail Heads



Existing Conditions – Wayfinding



Scope of Improvements

Entrance
Signs

Kiosks

Trailhead
Signs

Intersection
Signs

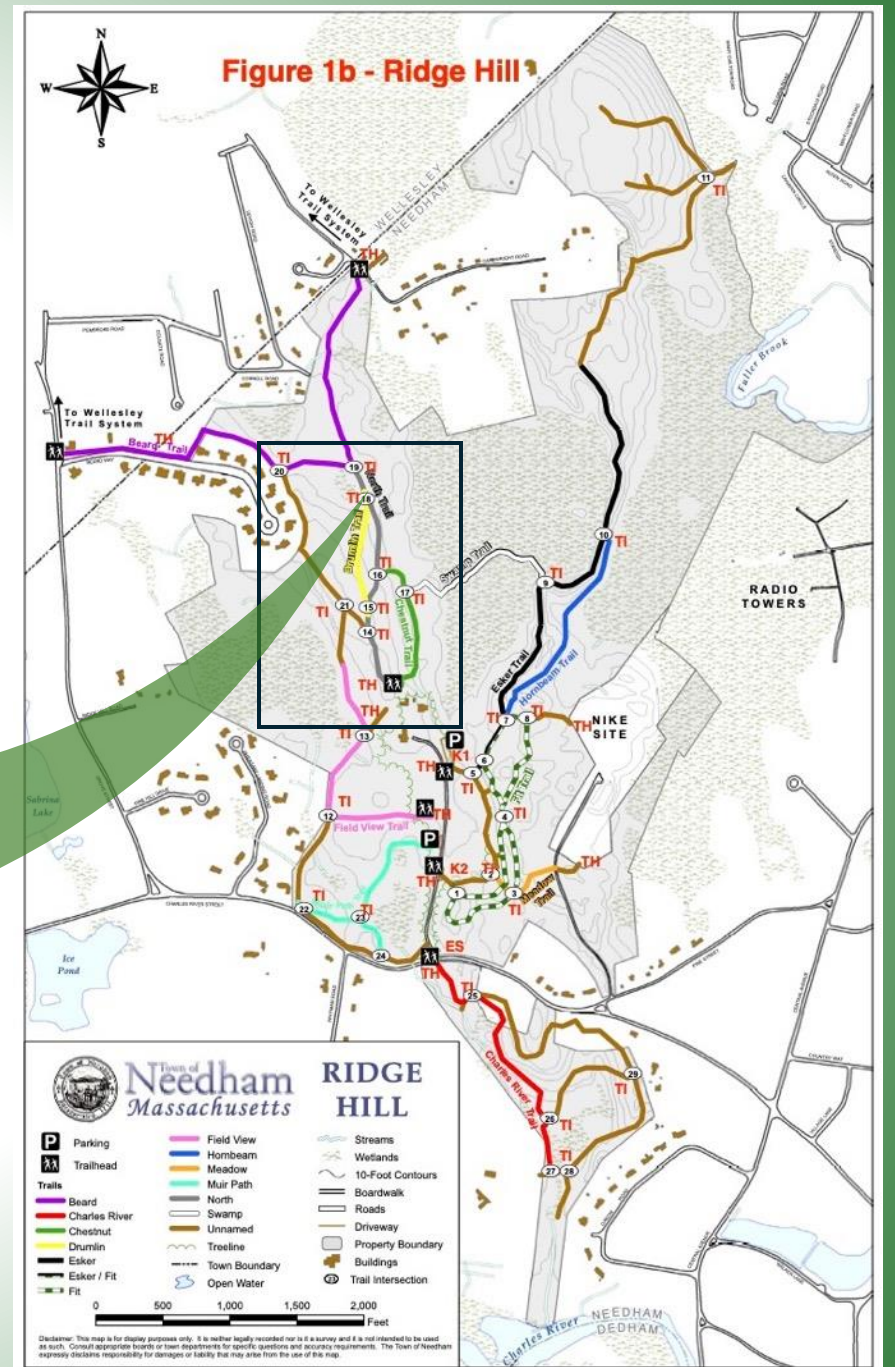
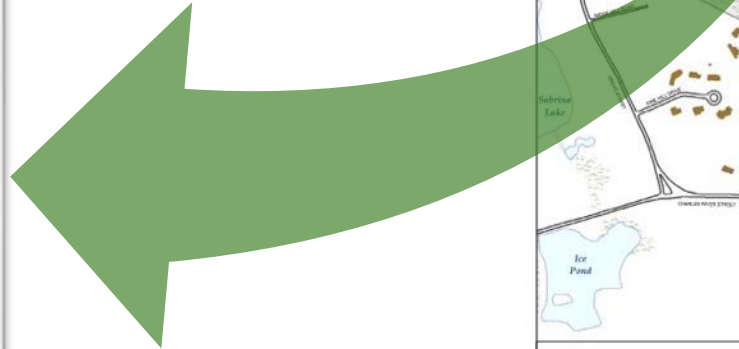
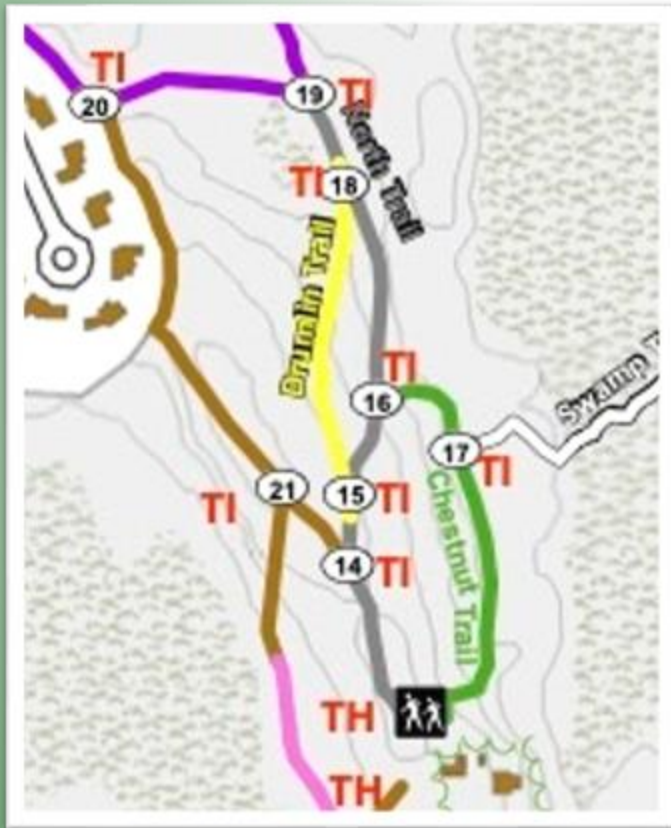
Trail Markers

Miscellaneous
Signs

Update
Website &
Maps

Trail
Improvements

Preliminary Sign Locations Mapped, for example, at Ridge Hill:



Sign Schedule

Item	Location and Jurisdiction*								Totals
	Ridge Hill (CC)	Town Forest (PR)	Rose-mary (PR)	Green-dale (PR)	Sunita (SC)	Newman (SC)	Mitchel (CC)	Rail Trail (SB)	
Entrance Sign	1	1	-	-	-	-	-	-	2
Large Kiosk w/map	1	1	-	-	-	-	-	-	2
Small Kiosk w/map	1	-	-	-	-	1	-	1	3
Refirb. Kiosk w/map	1	-	-	1	-	-	1	-	3
Trailhead Sign	9	9	4	3	1	2	3	1	32
Trail Intersection Sign	50	62	12	-	4	2	4	2	136
Trail Marker	220	200	-	-	-	-	-	-	420
QR: Interpretive & Map	40	30	10	10	10	10	10	10	130
Miscellaneous	15	15	5	2	2	2	2	2	45

Sign count adapted from 2008 Needham Trails Master Plan and site visits

Preliminary sign locations shown on individual maps

* CC= Conservation Commission, PR= Parks and Recreation, SB= Select Board, SC+ School Committee

New Kiosk Examples



Large Kiosk



Small Kiosk

Trail Intersection Sign Examples



Trailhead Sign Examples



Miscellaneous Sign Examples



Interpretive Sign Examples



Entrance Sign Examples



Trail Improvements

- Bog walks
- Bridges
- Steps
- Repairs



Preliminary Cost Estimate

Item	Cost
Kiosks & Entrance Signs	\$28,892
Trail Signs	\$6,037
Sign Posts & Installation	\$48,758
Trail Materials & Misc.	\$13,253
Subtotal	\$90,903
Contingency & Escalation	\$13,635
Total Project	\$104,538

Staff/Volunteer/Contractor Involvement

Staff

- Management/Coordination
- Purchasing
- Webpage update
- Map updates

Contractor

- Signpost procurement
- Signpost installation
- Kiosk installation

Volunteers

- Finalize sign layout & schedule
- Locate signs in the field
- Research interpretive content

Volunteer Resources

- Residents
- Town Organizations
- Boy Scouts/Girl Scouts
- High School Community Service
- Conservation Commission
- NEMBA

Schedule

January 2025

Response to CPC Due Diligence Questions

January-February

CPC Review

Mid-March

CPC Public Hearing

End of March

CPC Recommendation to Town Meeting

May 2025

Town Meeting Votes CPC Funding

Spring/Summer 2025

Sign Installation

Moving Forward

- Conservation Department new hire – Trails Manager
- Re-start the Trail Stewards Program, mobilize volunteers
- Ad-hoc Trails Committee – Finalize sign schedule
- Purchase materials
- Engage contractor
- Install posts
- Place signs

Estimate Summary

Town Furnished

Trail Signs	\$6,037
Entrance Signs & Kiosks	\$22,854
Miscellaneous	\$2,650
Trail Improvement Materials	\$10,603
Town Furnished Subtotal	\$42,145

Contractor Furnished \$48,758

Project Subtotal \$90,903

Escalation & Contingency \$13,635 15%

Project Total \$104,538

Sign and Kiosk Schedule

Item	Location ¹								Totals
	Ridge Hill	Town Forest	Rosemary	Greendale	Sunita	Newman	Mitchel	Rail Trail	
Entrance Sign	1	1	-	-	-	-	-	-	2
Large Kiosk w/map	1	1	-	-	-	-	-	-	2
Small Kiosk w/map	1	-	-	-	-	1	-	1	3
Refirb. Kiosk w/map	1	-	-	1	-	-	1	-	3
Trailhead Sign	9	9	4	3	1	2	3	1	32
Trail Intersection Sign	50	62	12	-	4	2	4	2	136
Trail Marker	220	200	-	-	-	-	-	-	420
QR: Interpretive & Map	40	30	10	10	10	10	10	10	130
Miscellaneous	15	15	5	2	2	2	2	2	45

Sign Type ²	Number	Size (in)	Typical Text & Colors
Entrance Sign	2	48 x 36	HDPE, 2 color
Large Kiosk Map	2	36x 24	Multicolored Map
Small Kiosk Map	6	24x18	Multicolored Map
Trail Head	32	12x12	Brown Background with park name, trail name, arrow on colored circle & QR code
Trail Intersection	136	16x4	Brown Background with trail name w/ 1 or 2 arrows on colored circle
Trail Marker	420	3 dia	Colored possibly with with logo
QR: Interpretive & Map	130	4x4	Brown Background with common name, latin name & QR Code
Miscellaneous	45	4x4	Varied Background with misc. Information

Notes:

- 1. For preliminary sign locations [See Im. Sign Locations](#)
- 2. Sign material is 6 mm ACM - this is an aluminum composite material comprised of two aluminum panels bonded to a polyethylene core.

Town Furnished Material

Trail Signs ¹

Type	Number	Size (in)	Unit (SF)	Total SF	SF Cost	Total Cost
Large Kiosk Sign	2	36x 24	6	12	\$18.50	\$222
Small Kiosk Sign	6	24x18	3	18	\$18.50	\$333
Trail Head	32	12x12	1	32	\$18.50	\$592
Trail Intersection	136	16x4	1	136	\$10.00	\$1,360
Trail Marker	420	3 dia	0.25	105	\$8.00	\$840
QR: Interpretive & Map	130	4x4	1	130	\$8.00	\$1,040
Miscellaneous	70	12 x 12	1	70	\$18.50	\$1,295
					Subtotal	\$5,682
6.25%					Sales Tax	\$355
					Total	\$6,037

Entrance Signs and Kiosks²

	Size (in)	Unit	Number	Unit Cost	Total Cost
Entrance Signs	48x36	Ea	2	\$1,930	\$3,860
Large Kiosk Sign	42x34	Ea	2	\$4,325	\$8,650
Small Kiosk	36x24	Ea	3	\$2,500	\$7,500
Kiosk Delivery	-	Ea	1	\$1,500	\$1,500
				Subtotal	\$21,510
6.25%				Sales Tax	\$1,344
				Total	\$22,854

Miscelaneous

Item	Unit	Quantity	Unit Cost	Total Cost
Kiosk Refirbushment	LS	1	\$1,000	\$1,000
Stakes	EA	130	\$5	\$650
Hardware & Misc	LS	1	\$1,000	\$1,000
			Total	\$2,650

Trail Improvements³

Improvement	Linear Feet (LF at Location)				Material Cost		
	Ridge Hil	Town Forest	Rosemary	Other	Total LF	\$/LF	Total
New Box Bridge	32	-	-	-	32	\$34	\$1,075
Bridge Repair	20	-	-	-	20	\$34	\$672
New steps	20	-	-	-	20	\$69	\$1,388
New Bogwalk	100	100	100	20	320	\$19	\$5,975
Bogwalk Repair	10	40	-	20	80	\$19	\$1,494
						Total	\$10,603
						Total Town	\$42,145

Notes:

- 1. Cost based on AIR Graphics quire
- 2. Kiosk cost based on Timberhomes Vermont quote.
Entrance sign cost based on ArtSign Direct price list. See: [Preliminary Quotes](#)
- 3. Material cost based on Home Depot pricing.

ContractorFurnished Labor and Materials

Installation

Item	Number	Posts/Sign	No. of Posts	\$/Post ¹	Hours
Large Kiosk	2	2	4	\$488	\$1,952
Small Kiosk	3	2	6	\$438	\$2,628
Entrance Sign	2	2	4	\$450	\$1,800
Trailhead	32	1	32	\$435	\$13,920
Trail Intersection ²	136	0.45	61	\$465	\$28,458
				Total	\$48,758

Notes:

- 1. Pricing based on Argus Construction Quote. See: [Preliminary Quotes](#)
- 2. For trail intersection, assume 2 signs per post & 10% on existing posts or trees
- 3. Trail markers, QR and misc signs to be installed by volunteers

Trail Improvements

Simple Bog Walk (20 in wide x 8 ft long)			\$/LF	\$8.25
Item	Size	Quantity	Unit Price	Total
Plank (tread)	2x10x8	2	\$15.38	\$30.76
Sleeper	4x6x8	1	\$19.50	\$19.50
Deck Screws	#9 - 3-1/2 in	16	\$0.16	\$2.56
			Subtotal	\$52.82
			Total with Tax	\$66.03

Box Bridge (4 ft wide x 16 ft long)			\$/LF	\$33.59
Item	Size	Quantity	Unit Cost	Total Cost
Stringer	2x8x16	6	\$21.00	\$126.00
End Plates & Blocking	2x8x16	1	\$21.00	\$21.00
Treads	2x6x12	14	\$11.50	\$161.00
Hardware	1/2" x 2'	4	\$5.00	\$20.00
Hardware	#9 -3"	1	\$37.00	\$37.00
Hardware	4"	1	\$40.00	\$40.00
Hardware	16D x 3-1/4"	1	\$25.00	\$25.00
			Subtotal	\$430.00
			Total with Tax & delivery	\$537.50

Bog Bridge (3 ft wide x 12 ft long)			\$/LF	\$18.67
	Size	Quantity	Unit Cost	Total Cost
Stringer	4x6x12	3	\$30.00	\$90.00
Treads	2x6x12	8	\$11.50	\$92.00
Rebar	1/2" x 2'	4	\$5.00	\$20.00
Deck Screws - Box(365)	#9 -3"	1	\$37.00	\$37.00
			Subtotal	\$239.00
			Total with Tax	\$298.75

Steps (3 ft wide x 3 ft deep x 6 inch heightx 10 ft ris			\$/ft Rise	\$69.38
Item	Size	Quantity	Unit Cost	Total Cost
Step	4x6x12	25	\$24.00	\$600.00
Rebar	1/2" x 4'	40	\$5.00	\$200.00
TimberLoks - Box (50)	6"	2	\$44.00	\$88.00
			Subtotal	\$888.00
			Total with Tax	\$1,110.00

- Notes
- 1. All lumber is #2 or better Ground Contact MCA Pressure Treated
 - 2. Pricing based on Home Depot