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## **Barre City Routes and Trails Working Group Proposed Infrastructure Improvements Arrayed by Year 2019-2028**

The City of Barre has been partnering with the Vermont Dept. of Health to promote healthy living among our residents. The initiative is called the 3-4-50 program named for 3 behaviors, 4 diseases and 50% of the deaths associated with our Vermont population. <http://www.healthvermont.gov/3-4-50>

The participants in the 3-4-50 efforts here in Barre recognized that in order to foster long term benefits and implementation, the elements of a planned effort needed to be completed. The group invited citizens with an expressed interest to join the discussions. The process noted that there are core routes, key paths and critical interferences for non-motorized travel in the City. After completing walk audits on a number of important areas, the group focused on improving sidewalk conditions on key routes, strengthening the ability to cross our major streets and addressing routes safety for vulnerable populations –e.g., students and our ADA community.

Recreational facilities and schools are directly associated with youngsters in age and in heart. Improved access and connection to neighborhoods is important for them. Linking Barre's bike paths to these same facilities as well as supporting the Bike Path Committee plans emerged as an important piece of developing a plan and actions to improve our resident's health.

This **Initial Draft Plan** attempts to lay out in a general sense where the City's needs are and provide some insight into facilities and costs associated with substantial improvements that can promote better health. There will be involvement of standing committees such as Bike Path and Traffic Advisory as the plan is further developed. We look forward to your participation and input as we progress these opportunities for better health.

## Barre City Routes and Trails Working Group Proposed Infrastructure Improvements Arrayed by Year 2019-2028

### 2019

Location	Action	Time Frame	Responsibility	Action	Effort	Cost \$	Target Date
S. Main St (between Boynton and Ayers Streets)	Add crosswalk to improve safety for students crossing to/from school in front of Cumberland Farms (high priority due to recent accidents and injuries)	Short-Term (1-2 Years)	DPW	Temp Signs, Lines	4 hrs	350	05/19
				Perm w/ ADA	10 hrs	550	09/19
Allen Street/ Prospect Street	Locate school bus stop at this intersection and add crosswalk for safer pedestrian crossing	Short-Term (1-2 years)	DPW/ BSU	Signs, Lines	4hrs	520	09/19
S. Main Street (various sections)	Explore feasibility of allowing on-street parking as a traffic calming measure and as an additional buffer between vehicles and pedestrians (larger citywide issue to explore that would also involve removal of yellow 'no parking' paint in certain locations and could also reduce need for so much surface parking in the downtown)	Short-Term (1-2 years)	DPW/ City Council	Feasibility Study	3 months Contract	7500	12/2019

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River Street	Potential for multi-use path connecting to new downtown segment planned in 2019 as way to eliminate need for bridge on path. Possible candidate for a pop-up demonstration project in the short-term.	Short-Term (1-2 years)	DPW/ Local Motion	Pop up test w River St one-way southbound and bike path to Blackwell	3 months	1500	5/2019
River Street	Crosswalk to be installed just south of the playground, so there is adequate visibility at crossing for vehicles traveling in both directions.	Short-Term (1-2 years)	DPW	Pop up w/line striping	1 month	500	8/2019
River Street	Secure funding for speed feedback signage to calm traffic along this route. Explore feasibility of adding speed bumps.	Short-Term (1-2 years)	DPW/ Police Dept.	Sign post placement of speed feedback	3 months (grants)	2000 ea	7/2019
Granite Street (between Burnham and N. Main Street)	Remove sidewalk on north side of street and widen sidewalk on south side (akin to multi-use path) to provide connection to new section of bike path in downtown.	Medium-Term (3-5 years)	DPW	Pop out assessment 2019	na	1500	6/2019

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Summer Street/ Seminary Street	Need safer pedestrian crossing at this high-traffic intersection when attending events at the auditorium. Test out different types of infrastructure improvements through a pop-up demonstration project.	Short-Term (1-2 years)	DPW/ Local Motion	Pop up	3 months	750	6/2019
Seminary Street/ N. Main Street	Explore whether a pedestrian island may be warranted to improve safety and calm traffic at this intersection. Test out different types of infrastructure improvements through a pop-up demonstration project.	Short-Term (1-2 years)	DPW/ Local Motion	Pop up w pedestrian safety review	3 months	1500	8/2019
Seminary Street/Maple Ave	Sidewalk needed to avoid having pedestrians use railroad bed. Check location believed to be North Main and Seminary	Medium-Term (3-5 years)	DPW/ Railroad (right of way issues?)	Relocate No. Main Crosswalk from Beckley to mid-block	1 month	2250	9/2019



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2020

Allen Street/ Prospect Street	Locate school bus stop at this intersection and add crosswalk for safer pedestrian crossing	Short-Term (1-2 years)	DPW/ BSU	PER for Prospect/Fairview pedestrian travel	Contract	12,500	12/2020
Brooklyn Street	Create safer, more convenient access between the end of Brooklyn Street and the bike path	Medium-Term (3-5 years)	DPW/	Preliminary Engr'g. Report (PER) w route study	80 hrs	3000	8/2020
Mill Street	Create safer, more convenient access between the end of Mill Street and the bike path	Medium-Term (3-5 years)	DPW/ BCS	PER; use Blodgett Ave ROW	60 hrs	2250	4/2020
Merchant Street/ Wellington Street	Stop sign and crosswalk needed to improve pedestrian safety at this intersection. In longer-term, redesign intersection as a 'T'	Short-Term (1-2 years)	DPW	Signs and Striping	1 month	1250	6/2020
Tremont Street	Traffic calming measures needed	Medium-Term (3-5 years)	DPW	Explore temporary tables	2 months	5000	6/2020



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2021

Bike Path	Explore possibility of plowing and maintaining bike path as viable travel route to school for students and families year round	Short-Term (1-2 years)	DPW/ VTrans/ UVM	No-go  Study Frostproofing	15 months research contract	20,000	6/2021
Allen Street/ Prospect Street	Explore whether the city still owns the right of way through the woods between this intersection and the end of the bike path on Fairview Street, and determine whether an additional path could be constructed through this land	Medium - Term (3-5 Years)	DPW	PER and FD; for Rail Path Restoration	3 months contract	15,000	6/2021
Parkside Terrace/ S. Main Street	Improve pedestrian safety at this intersection. Consider the request for a left hand turn lane onto S. Main	Long-Term (5-10 years)	DPW/ VTrans	VTrans DPW joint striping, signal upgrade	24 months	10,500	6/2021
S. Main Street (Prospect to Parkside Terrace)	Important route for students, improve sidewalk condition, ADA access Widen sidewalks add green belt/street tree buffer from vehicles,	Short-Term (1-2 years)	DPW	DPW installed ADA ramps and correction	6 months	25,000	6/2021
Blackwell/ Center Street	Improve pedestrian safety at intersection	Medium-Term (3-5 years)	DPW	Re-establish sidewalk and relocate utility pole	8-10 months	7500	6/2021

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Beckley Street and Brooks Street	Traffic calming needed. Address limited parking options, lack of sidewalks, and cars parking in pedestrian right of way	Medium-Term (3-5 years)	DPW/Police Department?	Pop-ups and temporary parking trials	3 months	1500	6/2021
N. Main Street (between Richardson Rd and Sixth Street)	Create new Park & Ride Facility to reduce congestion and parking in the downtown. And add new sidewalks for improved pedestrian access.	Long-Term (5-10 years)	DPW/ VTrans	PER DPW/VTrans	3 months	17,500	2/2021

## 2022

Prospect Street (between Fairview and Brooklyn)	Explore the feasibility of increasing sidewalk width/creating a multi-use path on the north side of the street along the retaining wall to allow for a connection between the existing bike path which ends on Fairview Street and the newer segment set for construction downtown in 2019	Medium-Term (3-5 years)	DPW	PER for sidewalk widening and street crossing of Prospect; Final Design; Construction	6 months contract	25,000	6/2022
Mill Street/Walker Ave/ S. Main Street	Add sidewalk for safer pedestrian crossing/access. Need improved visibility and better lighting.	Long-Term (5-10 years)	DPW/ VTrans	Project development with VTrans	24 months	With 80/20 15,000	6/2022

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S. Main Street (Prospect to Parkside Terrace)	Improve street lighting to increase visibility and safety of pedestrians traveling at night, similar to N. Main Street (2 levels improved density or improved fixtures and density)	Long-Term (5-10 years)	DPW	DPW w/ GMP Or DPW and VTrans complete streets	24 months	22,500 or 175,000	6/2022
River Street (between Burnham and Blackwell)	Needs sidewalk for better pedestrian access. Potential for permanent multi-use path connecting to new downtown segment planned for construction in 2019 as way to eliminate need for bridge.	Medium-Term (3-5 years)	DPW	VTrans PER and FD w/ negotiations	10 months	250,000	7/2022
Blackwell/Main Street	Improve pedestrian access and safety at this intersection, make more hospitable as critical route from this neighborhood across Main Street	Medium-Term (3-5 years)	VTrans/DPW	Crosswalk definition and intersection review	12-15 months	12,500	6/2022
Washington Street/Church Street/Academy Street	Over longer-term, explore feasibility of traffic circle/series of traffic circles.	Short-Term (1-2 years)	DPW/ Local Motion/ VTrans?	PER and FD City Hall Park traffic pattern changes	30 months	35,000	6/2022

2023



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Granite Street (between Burnham and Foster Street/Basset Street)	Opportunity for switchback path to connect Foster Street and surrounding neighborhood down the hill, as it is very steep. House at corner of River Street and Granite Street was recently for sale and could potentially be acquired so land behind could be used for this purpose.	Medium-Term (3-5 years)	DPW	VTrans PER	24 months	35,000	6/2023
Main Street	Identify and apply for a planning grant to study where people are crossing Main Street, where they'd like to cross, and what barriers exist	Medium-Term (3-5 years)	DPW/ VTrans	Pedestrian study	18 months	10,000	6/2023
Berlin Street/Main Street	Redesign intersection to improve pedestrian safety. Explore feasibility of including pedestrian refuge. Improve bus stop/access at this intersection.	Long-Term (5-10 years)	DPW/ VTrans	Intersection review possible pop-up	18 months	7500	6/2023
Maple Ave (between Main and Merchant Street)	Traffic calming and road diet needed to make Maple Ave feel less like a highway/ more hospitable for pedestrians. Also grade issues to address.	Long-Term (5-10 years)	DPW/ VTrans	PER and public involvement	6 months	7500	6/2023
Merchant Street/	Explore potential for speed table at this 4 way stop	Short-Term	DPW	Explore temporary table	2 months	2500	6/2023

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Warren Street		(1-2 years)					
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### 2024

Warren Street/ Seminary Street	Construct pathway to provide better access between these two streets to the rink complex and auditorium	Medium Term (3-5 years)	DPW	Build defined sidewalks Plain St and Warren St	12 months	16,700	6/2024
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### 2025

Circle Street (between Batchelder and S. Main Street)	Construct sidewalks, as this is an important connection for those traveling to school on foot	Medium-Term (3-5 years)	DPW/ VTrans	PER and FD for sidewalks	30 months	420,000	6/2025
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### 2026-7

River Street	Repair or replace damaged retaining wall	Medium-Term (3-5 years)	DPW	VTrans PER and FD	42 months	400,000	6/2027
N. Main Street (between Richardson Rd and Sixth Street)	Create new Park & Ride Facility to reduce congestion and parking in the downtown.	Long-Term (5-10 years)	DPW/ VTrans	PER and FD VT byans	30 months	275,000	6/2027

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2028-9

Ayers/Hill/S. Main Street	Redesign intersection for safer pedestrian crossing, possibly exploring a traffic circle	Long-Term (5-10 years)	DPW/VTrans	Project development with VTrans	42 months	With 80/20 25,000	6/2028
S. Main Street (Prospect to Parkside Terrace)	Widen sidewalks add green belt/street tree buffer from vehicles,	Long-Term (5-10 years)	DPW/VTrans	Major reconstruction	24 mos.	150,000	06/2029
S. Main Street (Prospect to Parkside Terrace)	Address access management issue by reducing width of curb cuts, improve safety of pedestrian crossings (larger zoning/permitting issue to address citywide)	Long-Term (5-10 years)	Plng Comm./ City Council/ DPW/VTrans	Develop political will and project scope	60 months	150,000 as above plus 75,000 negotiations	6/2029