

Update on FY 2025-2034 Ten-Year Transportation Improvement Plan Update Process

SNHPC TAC Meeting
August 18, 2022

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Deputy Executive Director





Ten-Year Plan Overview

THE NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION'S
RECOMMENDATIONS FOR THE
TEN YEAR TRANSPORTATION IMPROVEMENT PLAN
2023 - 2032

Projects Only

APPROVED BY THE NH LEGISLATURE
AND SIGNED INTO LAW BY THE GOVERNOR
UNDER HB2022, AS AMENDED

PURSUANT TO
RSA 228:99 OF THE LAWS OF NEW HAMPSHIRE



PROJECTS LISTED ALPHABETICALLY



PREPARED BY THE NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

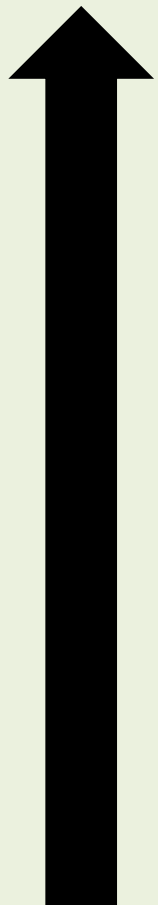
July 22, 2022

- Pursuant to RSA 228:99 and RSA 240, the SNHPC works collaboratively with the NHDOT to develop the Ten-Year Transportation Improvement Plan (TYP).
- The TYP is updated biennially. The FY 2023-2032 was signed into law on July 22, 2022.
- The next update of the TYP will cover **FY 2025-2034**.



How does the Ten-Year Plan fit into the Project Development Process?

Construction



Year 1-4

Transportation Improvement Program (TIP)

- Comprised of projects in the first four years of the TYP.
- Encompasses all federally funded projects in the region.
- Fiscally constrained in accordance with known revenues.
- Updated every two years at the conclusion of the TYP process.

Federal Requirement

Year 5-10

Ten-Year Transportation Improvement Plan (TYP)

- State-level funding commitment for listed projects.
- Encompasses all surface and air transportation projects in NH.
- Fiscally constrained against known and anticipated revenues.
- Regions are provided funding allocations for new projects.

State Requirement

Year 11-20+

Metropolitan Transportation Plan (MTP)

- Identifies long-term project needs to meet regional goals.
- Inclusion in the MTP does not constitute a funding commitment.
- Fiscally constrained against known and anticipated revenues.
- Projects in the MTP form the "pipeline of projects" for the TYP.

Federal Requirement

Concept



Funding Parameters for this Ten-Year Plan Update Cycle

- In past TYP update cycles (prior to the IIJA), NHDOT has allocated a total of \$50 Million for regional projects.
 - The SNHPC's share of the previous statewide allocation of \$50 Million has been \$8.55 Million.
- SNHPC anticipates that the regional Ten-Year Plan funding allocation will be increased proportionally with the increase in federal formula funding that the state as a whole is receiving through the Infrastructure Investment and Jobs Act (IIJA).
 - **Accordingly, we anticipate that the SNHPC's regional allocation for this Ten-Year Plan update cycle will be \$10.56 Million.**



Ten-Year Plan Project Evaluation Criteria

- The nine Regional Planning Commissions utilize the same set of fifteen criteria to evaluate and prioritize projects for inclusion in the Ten-Year Plan.
- The fifteen criteria are weighted individually by each region to reflect the unique needs/priorities of that region.
- **The SNHPC adopted updated Ten-Year Plan criteria weightings in June 2022, which will be used to prioritize projects for inclusion in the FY 2025-2034 Ten-Year Plan.**



Ten-Year Plan Project Evaluation Criteria – Regional Weightings

Ten-Year Plan Criteria		Definition	SNHPC Weighting (2025-2034 TYP)
Economic Development	Local and Regional Economic Dev.	The degree to which a project supports economic development needs and opportunities at the local and regional level.	6.29%
	Freight Movement	The degree to which the project impacts the movement of goods.	5.73%
	Total Economic Development Category		12.02%
Equity, Env. Justice, and Accessibility	Equity and Env. Justice	The degree to which a project benefits traditionally-underserved populations.	4.26%
	Accessibility	The degree to which a project ensures accessibility by all potential users.	7.44%
	Total Equity, Environmental Justice, and Accessibility Category		11.71%
Mobility	Mobility Need and Performance	A historical analysis of the mobility need and performance (e.g. level of congestion, delay, etc) of a location for all modes.	7.44%
	Mobility Intervention	A forward-looking analysis of how interventions proposed as part of a project would improve the mobility performance for all modes.	6.63%
	Total Mobility Category		14.08%
Natural Hazard Resiliency	Hazard Risk	An analysis of the natural hazard risks (i.e. flood history) to a transportation facility.	5.41%
	Hazard Mitigation	A forward-looking analysis of how the natural hazard mitigation measures proposed as part of a project would reduce hazard risks.	5.82%
	Total Natural Hazard Resiliency Category		11.24%
Network Significance	Traffic Volume	The extent to which transportation infrastructure is currently utilized by vehicles, bicycles, and pedestrians.	6.54%
	Facility Importance	The importance of the facility to the local and the regional transportation system (e.g. available of alternate routes, etc).	5.99%
	Total Network Significance Category		12.53%
Safety	Safety Performance	A historical analysis of the safety performance (i.e. crash history) of a location over the past five (5) year period for all modes.	7.44%
	Safety Measures	A forward-looking analysis of how the countermeasures proposed as part of a project would improve safety performance for all modes.	9.81%
	Total Safety Category		17.25%
State of Repair	State of Repair	The degree to which the project improves infrastructure condition in the project area (e.g. pavement condition, bridge condition, etc).	11.21%
	Maintenance	The degree to which the project impacts NHDOT and/or municipal maintenance requirements.	5.64%
	Total State of Repair Category		16.85%
Support	Support	The degree of documented support for the project at the local, regional, or statewide level.	4.33%
	Total Support Category		4.33%



Engineering Review Required for the Ten-Year Plan Update

- NHDOT requires engineering review of all projects to be included in the Ten-Year Plan for scoping and cost estimation purposes.
- SNHPC previously released an RFQ for on-call engineering for this purpose through June 2024.
 - Through the qualifications-based selection process, **VHB has been selected to serve as the SNHPC's on-call engineering firm** for the next two years. SNHPC is currently finalizing the contract with VHB for this work.
 - As the SNHPC's on-call engineering firm, VHB will conduct project scoping and cost estimating work for regional project proposals for the FY 2025-2034 Ten-Year Plan.



Ten-Year Plan Regional Schedule

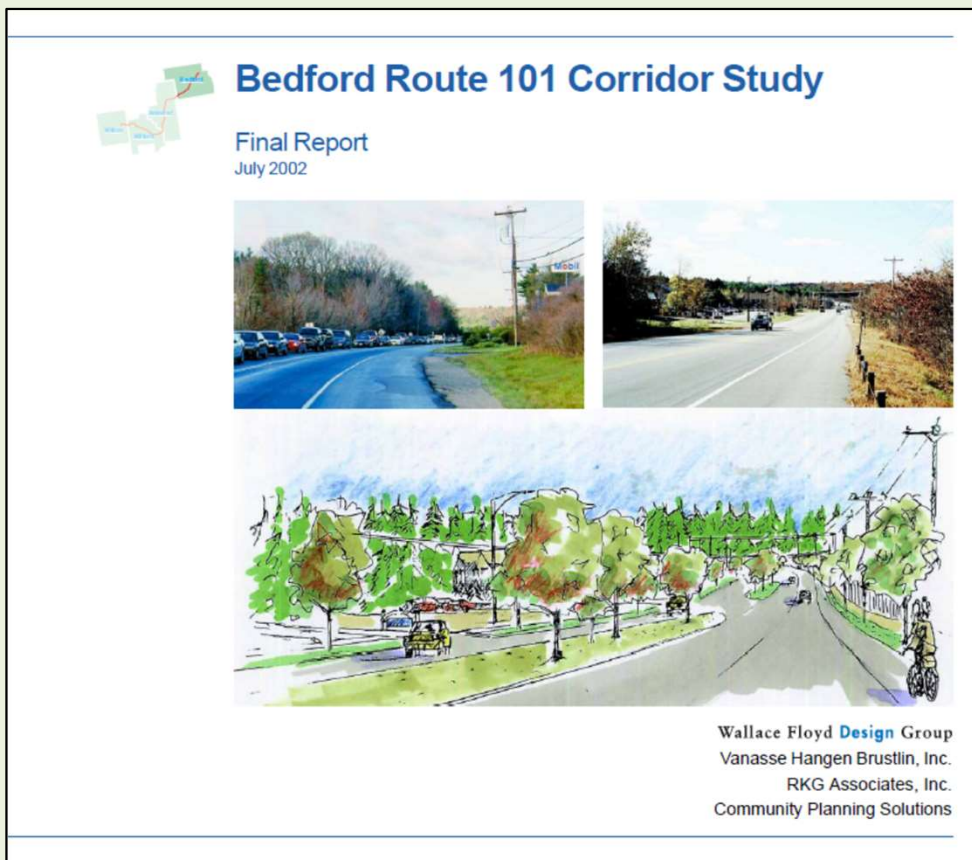
Date	Activity	Status
June 2, 2022	TYP Solicitation Correspondence sent to SNHPC Communities	Complete
June 16, 2022	Regional TYP Criteria Weightings Recommended by TAC	Complete
June 28, 2022	Regional TYP Criteria Weightings Adopted by MPO	Complete
July 29, 2022	TYP Project Submissions due to the SNHPC	Complete
August 17, 2022	SNHPC TAC Appoints TYP Project Evaluation Subcommittee	In Progress
August-October 2022	Candidate Projects Undergo Engineering Review and Initial Evaluation	Pending
November 11, 2022	"Shortlist" of Regional Candidate Projects due to NHDOT	Pending
December 2022-February 2023	NHDOT Conducts Review of Candidate Projects	Pending
March 31, 2023	Final Regional Priorities due to NHDOT	Pending



FY 2025-2034 Ten-Year Plan Project Proposals

TOWN OF BEDFORD

NH Route 101 Safety Improvements from Wallace Road to the Bedford Town Line



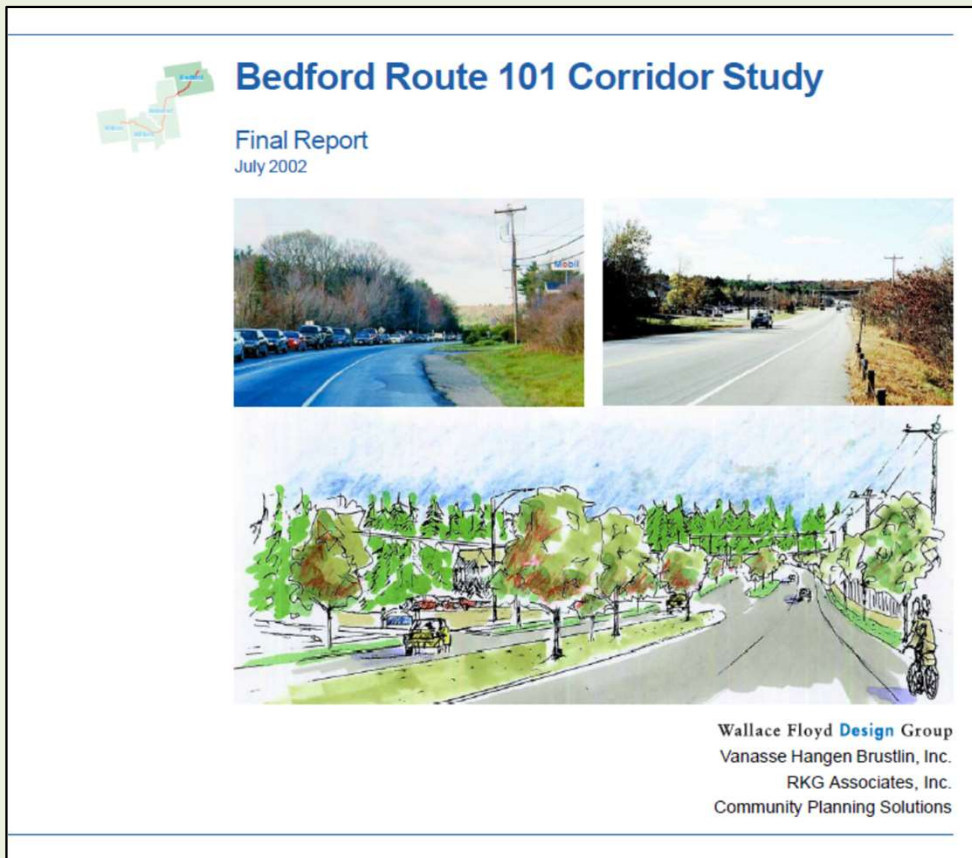
- Project is the Town of Bedford's #1 priority for inclusion in the Ten-Year Plan.
- Project would be based on the continued implementation of safety improvements consistent with the 2002 Corridor Study, with a priority on the section between Wallace Rd. and Elk Dr.



FY 2025-2034 Ten-Year Plan Project Proposals

TOWN OF BEDFORD

NH Route 101 Safety Improvements from Wallace Road to the Bedford Town Line



- Potential safety improvements include center turn lane, buffered median, intersection improvements, improved pedestrian crossings at signalized intersections, lighting, and left turn safety improvements.
- Project will be assigned to VHB for scoping and cost estimating.

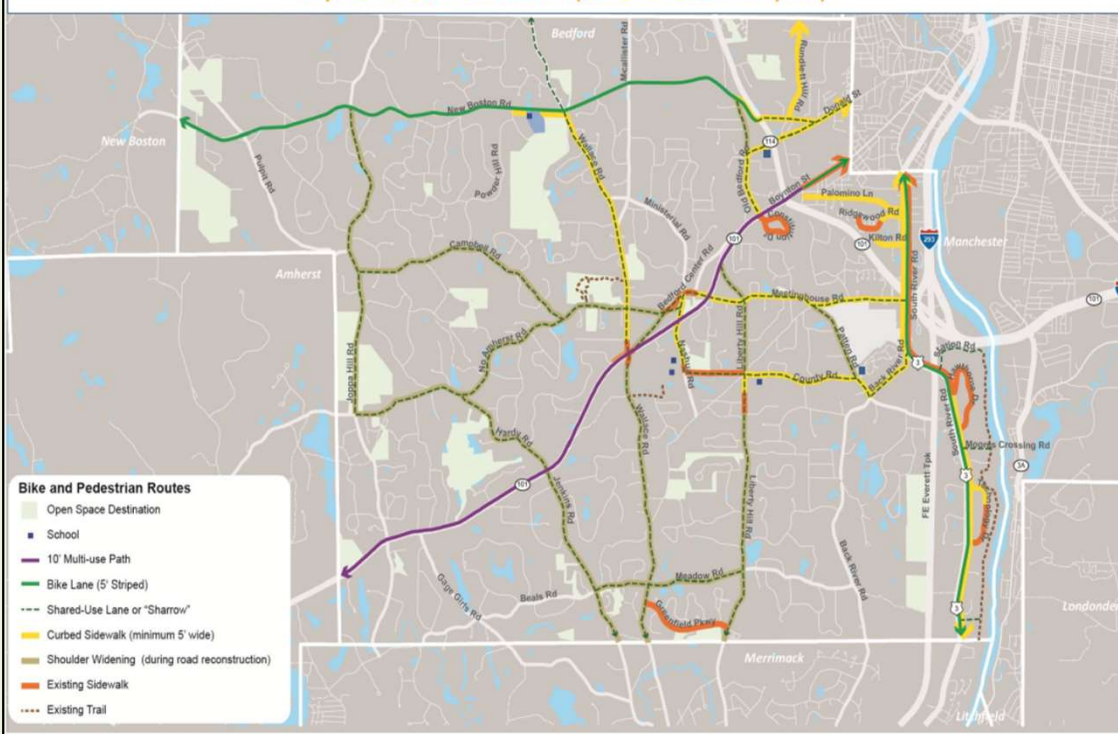


FY 2025-2034 Ten-Year Plan Project Proposals

TOWN OF BEDFORD

Construction of a Multi-use Path Adjacent to NH Route 101 from Wallace Road to the Bedford Town Line

Physical Bike & Pedestrian Improvements Summary Map



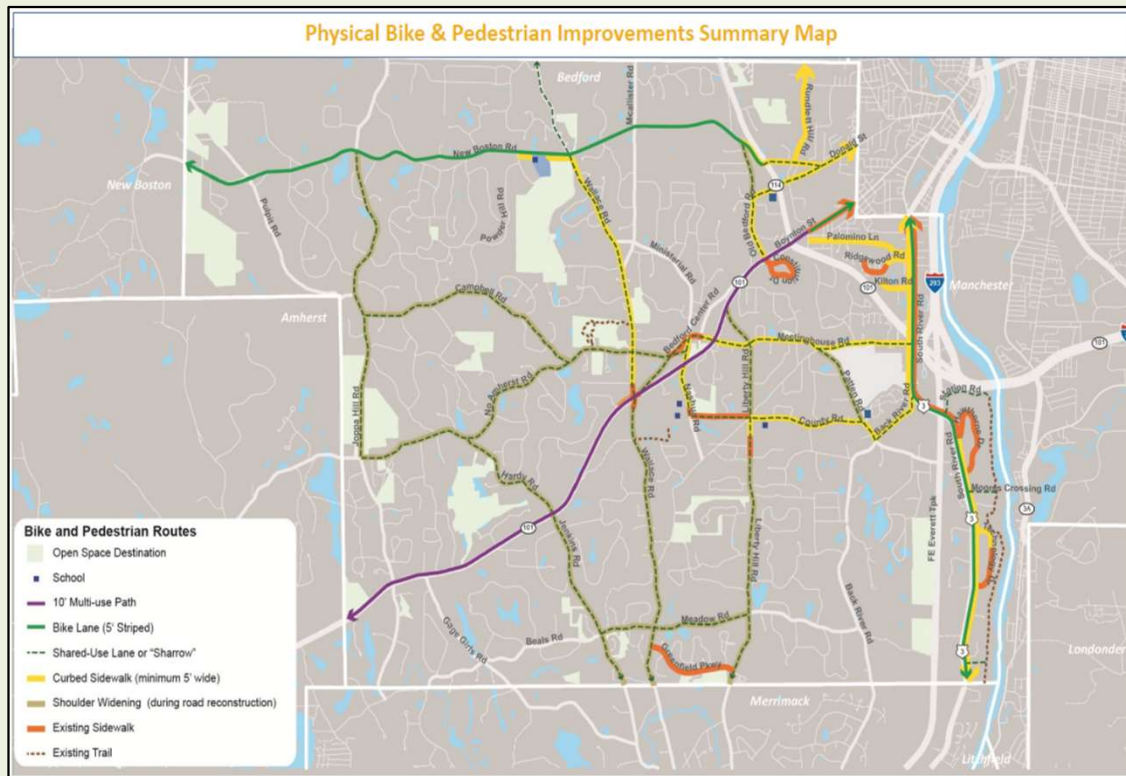
- Project is the Town of Bedford's #2 priority for inclusion in the Ten-Year Plan.
- Project would involve the construction of a 10' wide multi-use path along NH 101.
- Project will be assigned to VHB for scoping and cost estimating as resources allow.



FY 2025-2034 Ten-Year Plan Project Proposals

TOWN OF BEDFORD

Construction of a Multi-use Path Adjacent to NH Route 101 from Wallace Road to the Bedford Town Line



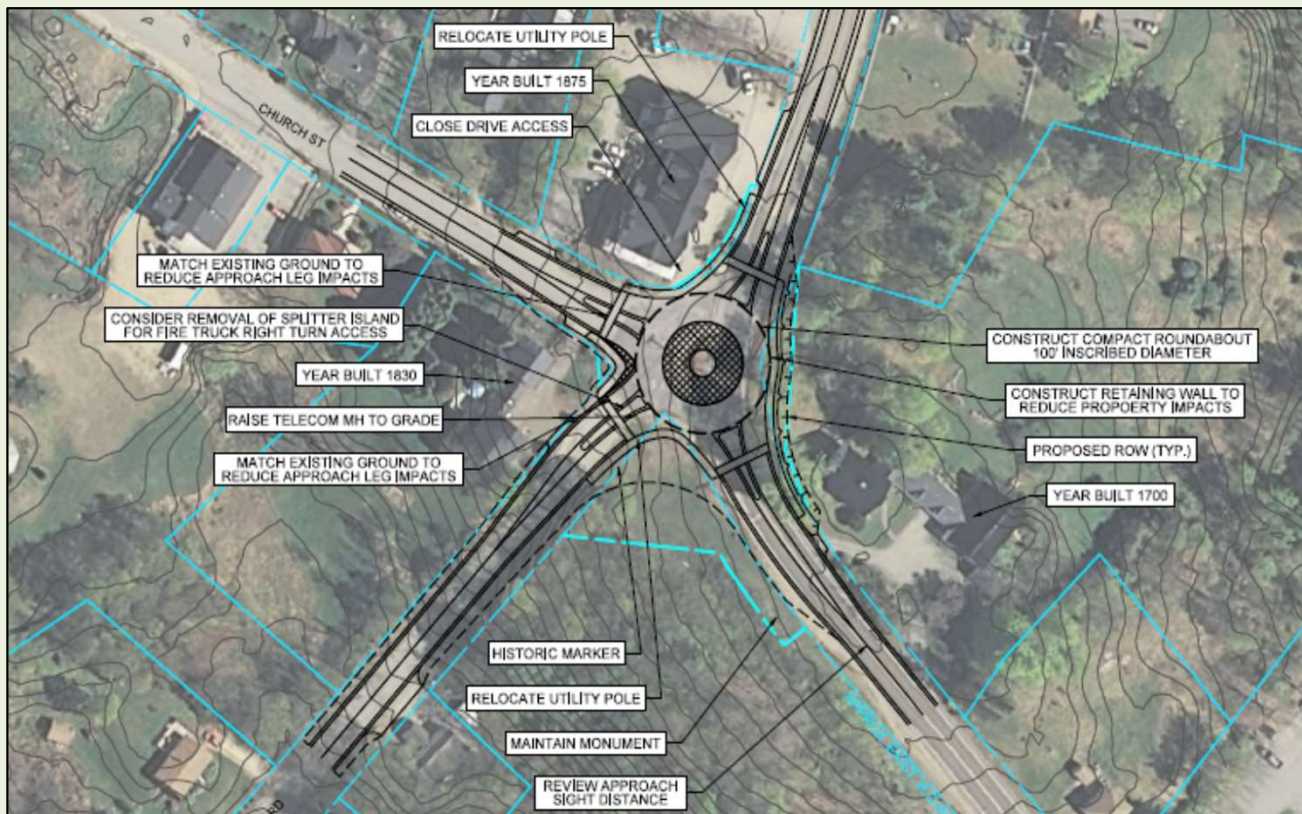
- Project will be assigned to VHB for scoping and cost estimating as resources allow.



FY 2025-2034 Ten-Year Plan Project Proposals

TOWN OF DEERFIELD

Convert Intersection of NH Route 107/Candia Road/Church Street to a Roundabout



- Project was previously submitted for Ten-Year Plan consideration in the last update cycle.
- Project will be assigned to VHB to update the cost estimate for the 4-leg roundabout concept.



FY 2025-2034 Ten-Year Plan Project Proposals

TOWN OF LONDONDERRY

The Town of Londonderry identified the following SNHPC Metropolitan Transportation Plan (MTP) projects as priorities to advance into the Ten-Year Plan:

1. Increase capacity on NH Route 28 from Symmes Dr/Vista Ridge Dr to the Intersection of NH Route 128
2. Construction of Phase 7 of the Londonderry Rail Trail from NH Route 28 to the Derry Town Line
3. Increase capacity of NH Route 102 from I-93 Exit 4 to NH Route 128
4. Construction of 4,300 LF of sidewalk along Pillsbury Road from Ash Street to Gilcreast Road



FY 2025-2034 Ten-Year Plan Project Proposals

TOWN OF LONDONDERRY

Given resource constraints for this Ten-Year Plan update, SNHPC will focus on the Town of Londonderry's top two priority projects:

1. *Increase capacity on NH Route 28 from Symmes Dr/Vista Ridge Dr to the intersection of NH Route 128*
 - **Project will be assigned to VHB for scoping and cost estimating.**
2. *Construction of Phase 7 of the Londonderry Rail Trail from NH Route 28 to the Derry Town Line*
 - **Project will be assigned to VHB for scoping and cost estimating as resources allow.**



FY 2025-2034 Ten-Year Plan Project Proposals

CITY OF MANCHESTER

I-93 Exit 8 Interchange Improvements



- Project was previously submitted for Ten-Year Plan consideration in the last update cycle.
- Project will be assigned to VHB to update the cost estimate for adaptive signal control, intersection capacity improvements, and a bike lane.

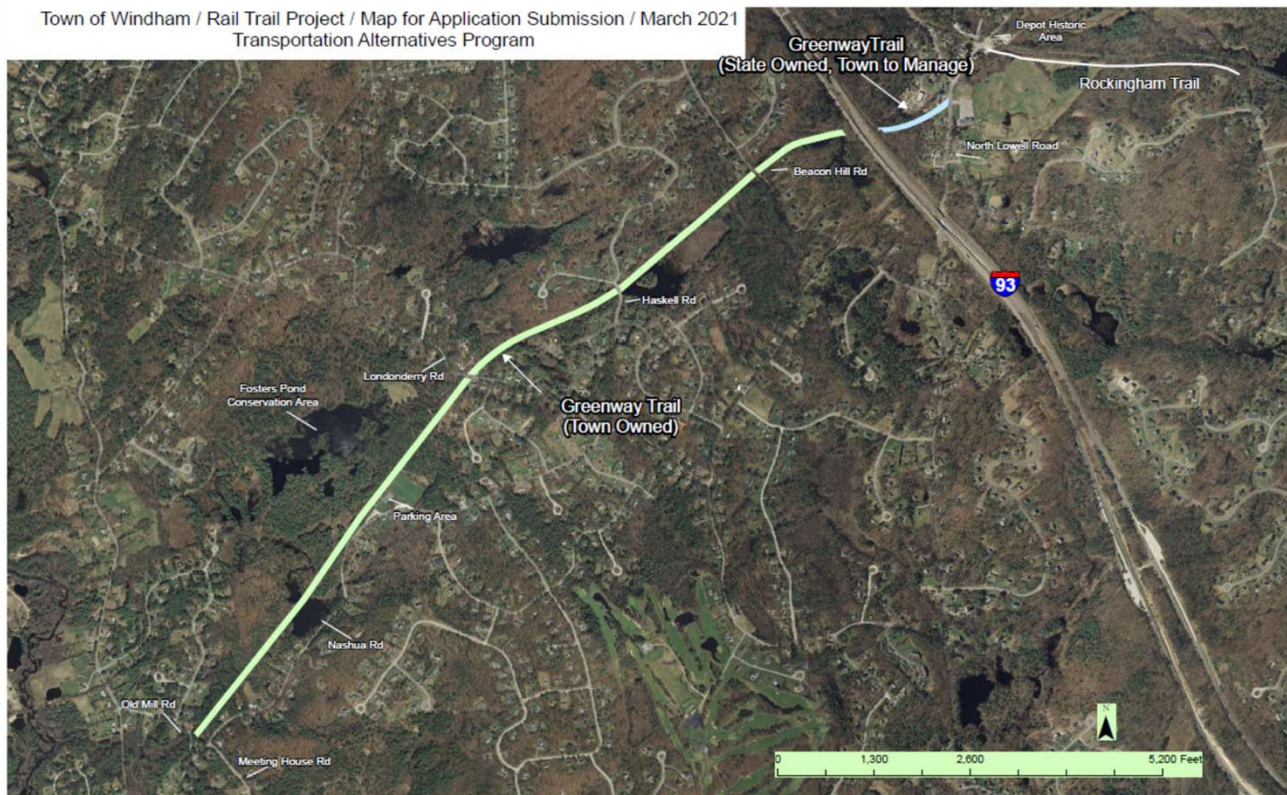


FY 2025-2034 Ten-Year Plan Project Proposals

TOWN OF WINDHAM

Improvements to the Windham Greenway from Meetinghouse/Old Mill Road to the Westerly ROW of Interstate 93

Town of Windham / Rail Trail Project / Map for Application Submission / March 2021
Transportation Alternatives Program



- Project was previously submitted for Transportation Alternatives Program consideration.
- Project would involve the conversion of an abandoned railroad right of way into a paved multi-use path (approximately 2.27 miles).

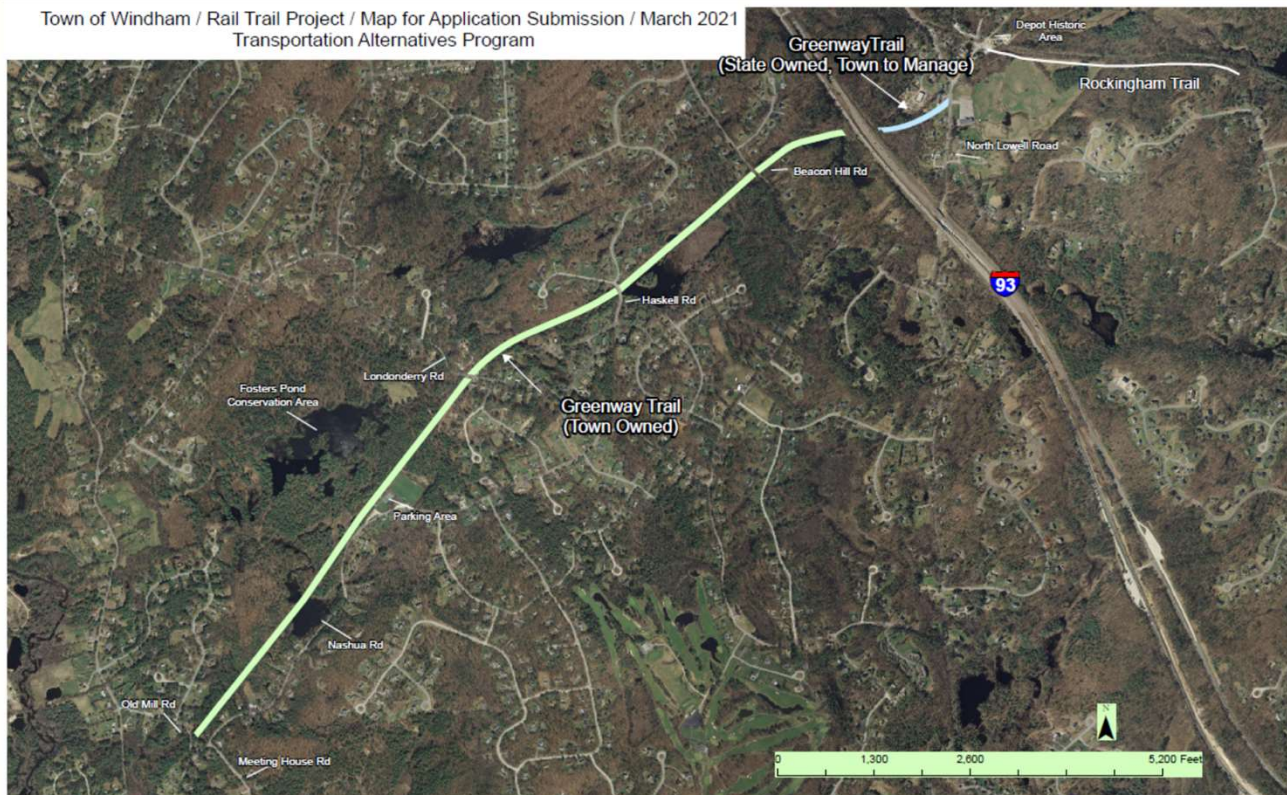


FY 2025-2034 Ten-Year Plan Project Proposals

TOWN OF WINDHAM

Improvements to the Windham Greenway from Meetinghouse/Old Mill Road to the Westerly ROW of Interstate 93

Town of Windham / Rail Trail Project / Map for Application Submission / March 2021
Transportation Alternatives Program



- Project would connect to the existing terminus of the Fremont Branch of the Rockingham Rail Trail, providing connectivity to Derry, Hampstead, Sandown, and Fremont.
- Project will be assigned to VHB for scoping and cost estimating.



FY 2025-2034 Ten-Year Plan – Other Considerations

- While not formally submitted for Ten-Year Plan consideration, two communities did raise intersection safety concerns that SNHPC will pursue as part of the next round of NHDOT Road Safety Audit (RSA) applications for inclusion in the Highway Safety Improvement Program (HSIP):
 - **Deerfield** - NH 43 (Stage Road)/NH 107 Intersection
 - **Derry** - NH 28/Lawrence Road/South Range Road Intersection



FY 2025-2034 Ten-Year Plan – Next Steps

- SNHPC will assign the following projects to VHB for scoping and cost estimating:
 - **Bedford** - NH Route 101 Safety Improvements from Wallace Road to the Bedford Town Line (with Priority on Wallace Road to Elk Drive)
 - **Deerfield** - Convert Intersection of NH Route 107/Candia Road/Church Street to a Roundabout
 - Update of Previous Scoping Report
 - **Londonderry** - Increase capacity on NH Route 28 from Symmes Dr/Vista Ridge Dr to the intersection of NH Route 128
 - **Manchester** - I-93 Exit 8 Interchange Improvements
 - Update of Previous Scoping Report
 - **Windham** - Improvements to the Windham Greenway from Meetinghouse/Old Mill Road to the Westerly ROW of Interstate 93



FY 2025-2034 Ten-Year Plan – Next Steps

- SNHPC will assign the following projects to VHB for scoping and cost estimating if resources allow:
 - **Bedford** - Construction of a Multi-use Path Adjacent to NH Route 101 from Wallace Road to the Bedford Town Line
 - **Londonderry** - Construction of Phase 7 of the Londonderry Rail Trail from NH Route 28 to the Derry Town Line



FY 2025-2034 Ten-Year Plan – Next Steps

- To assist in evaluating proposed projects, staff requests that the TAC appoint a Project Evaluation Subcommittee for this purpose.
 - The Subcommittee will evaluate the projects according to the criteria and develop recommended priorities for the full TAC's consideration.
 - The Subcommittee should be comprised of “disinterested” TAC members (i.e. representing communities or agencies that did not submit project proposals).
 - Prior to today's meeting, George Sioras of Derry and Linda Kunhardt of Francestown expressed a willingness to serve on the Subcommittee.



Questions?