



TOWN OF HUDSON

Land Use Division



12 School Street • Hudson, New Hampshire 03051 • Tel: 603-886-6008 • Fax: 603-816-1291

TO: Planning Board

FROM: Brian Groth, AICP, Town Planner

DATE: August 17, 2022

RE: Project Solicitation for the FY 2025-2034 NH Ten Year Transportation Improvement Program

The Nashua Regional Planning Commission (NRPC) is in the process of soliciting new projects from municipalities for potential inclusion in the State's Ten Year Transportation Improvement Plan (TYP). The deadline to submit initial project proposal was August 5, 2022. Project proposals will be reviewed and rated by the Transportation Technical Advisory Committee (TTAC) during September and October 2022, the final candidate list will be submitted to NH DOT in November 2022, and the list will be finalized for inclusion in the draft Ten Year Plan in March 2023. Based on input from Planning Board members, from public outreach and from the Highway Safety Committee, I submitted three project proposals to meet the August 5, 2022 deadline, understanding that they will require the endorsement of the Planning Board and the Board of Selectmen to move any further in the process. If either Board does not wish to support these proposals, I will have them removed from consideration.

A summary of each project proposal is attached to this memorandum.

2025-2034 TEN YEAR PLAN PROJECT SOLICITATIONS

Submitted by:

Brian Groth, AICP

Town Planner

Town of Hudson, NH

bgroth@hudsonnh.org

603-886-6008

Contents: Narrative, Project Area Map & Cost Estimate

ROUTE 111 – BRIDGE TO BENSON PARK

The purpose of this project is to complete a fractured pedestrian network connecting densely settled neighborhoods, town facilities, school facilities, recreational facilities and regional assets. Anchoring this loop to the west is the Taylor Falls Bridge to Nashua/Souhegan Rail Trail and Benson Park to the east.

The current sidewalk network ends abruptly and has intermittent segments around the intersection of Central Street and Ferry St./Burnham Rd. (Route 111). There are no crosswalks or pedestrian phases at the Ferry/Burnham & Central Street intersection. There are no bicycle accommodations along either the Ferry Street or Central Street corridors. Currently, the only safe passage to the business district along Route 11 and Benson Park is by automobile. The pedestrian trail entrance to Benson Park on Central Street is overgrown and difficult to navigate.

Feasibility assessment & Design. Install sidewalk, curbing and striping along Ferry Street and Central Street. Provide pedestrian crossing facilities at Ferry/Burnham & Central Street intersection. Improve pedestrian trail & entrance to Benson Park on Central Street.

During recent Master Plan outreach efforts (2019, 2020 and present), lack of sidewalks and safe routes for non-automobile traffic have emerged as a major concern of the community. Completing this network provides safe connections on a local & neighborhood level. Along this network are densely developed neighborhoods, parks & playgrounds, restaurants, schools, a library and even Town Hall. It also expands upon a burgeoning regional network in the Souhegan Rail Trail across the Merrimack River in Nashua. Benson Park has long been a regional recreational asset but is isolated from other recreational opportunities in the area. This project provides an opportunity to change that, to bring Benson Park into a regional pedestrian & bicycle network.

These gaps in the pedestrian network have long been identified in public outreach efforts in support of the Town's Master Plans, of past and present.

Impact Fees may be used to offset some of the cost but not all. Impact Fees are a possible option for local match.

2025-2034 Ten Year Plan Project Solicitations

Town of Hudson
Project: Bridge to Benson
Area Map & Estimate

Submitted by:
Brian Groth, Town Planner
August 5, 2022



Route	Side	Street Name Start	Street Name End	Length	Cost (Asphalt & Granite Curb)	Connects to
111	North	Gloria Avenue	George Street	650	\$58,500	Existing Sidewalk ends at Gloria Avenue
111	North	George Street	Marshmallow Path	1,820	\$163,800	Mid-Project Segment
111	North	Marshmallow Path	Central Street	1,730	\$155,700	Existing sidewalk at NE corner of Central St. & Burnham Rd
111	North	Central Street	Greeley Street	1,500	\$135,000	Existing & under construction sidewalk from Bluebird Site to Greeley St.
		<i>SubTotal</i>		<i>5,700</i>	<i>\$513,000</i>	
111	South	Gloria Avenue	Adelaide Street	700	\$63,000	Existing Sidewalk across from Gloria Avenue
111	South	Adelaide Street	State Street	1,800	\$162,000	Mid-Project Segment
111	South	State Street	Central Street	1,425	\$128,250	Existing sidewalk at NW corner of Central St. & Burnham Rd.
111	South	Central/Burnham	Benson Park Footpath	2,100	\$189,000	Central/Burnham Intersection to Benson Park footpath
111	South	Benson Park footpath	Benson Park Main Entrance	1,500	\$135,000	
		<i>SubTotal</i>		<i>7,525</i>	<i>\$677,250</i>	
		Total		13,225	\$1,190,250	

Additional Items	Cost Estimate
Feasibility & Design	\$30,000
Crosswalk Facilities at Ferry/Burnham & Central	\$25,000
Benson Park Pedestrian Entrance Improvements	\$10,000
<i>Subtotal</i>	<i>\$65,000</i>
Grand Total	\$1,255,250

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ROUTE 102 – SIDEWALK INFILL

Location: Route 102 (aka Derry Road) sidewalks from residential neighborhoods to Hills Garrison Elementary School, Rogers Memorial Library and Alvirne High School.

Scale: About 6,000-foot total span between beginning of intermittent sidewalk area to Alvirne High School. There are two gaps, 590 feet and 1,725 feet, on the east side of Derry Street totaling 2,315 feet. There are three gaps, 380 feet, 660 feet and 4,100 feet, on the west side of Derry Street totaling 5,140 feet.

Need: Currently, students are forced to walk in the shoulder in segments of Route 102 where there are gaps in the sidewalks. This section of Route 102 has an ADT of over 26,000 creating an unsafe environment for students walking to school.

Scope: Assess, design and install sidewalks and address potential stormwater drainage needs created by the sidewalk installation. Install mid-block pedestrian crossings & beacons at Hills Garrison Elementary/Rogers Memorial and Alvirne High School.

Additional information: Students regularly walk in the shoulder of a heavily traveled corridor that serves as a regional commuter connection to employment areas in Nashua and Hudson from surrounding communities such as Litchfield, Merrimack, Manchester and Londonderry. This project has long been identified as a need by Master Plans and other corridor studies.

Public Involvement: This issue has been specifically identified during the 2019 Master Plan outreach sessions and survey. General lack of sidewalks and crosswalks is a concern to more than half of all survey respondents.

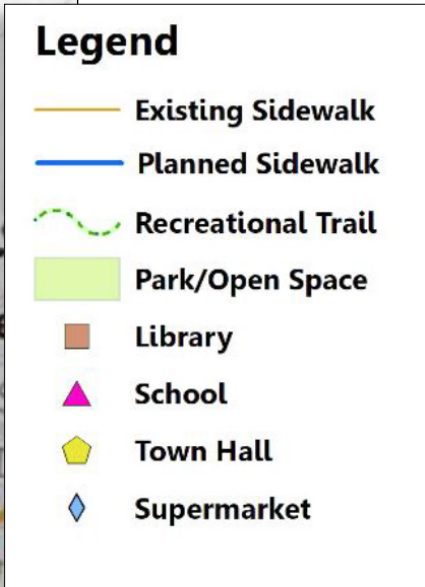
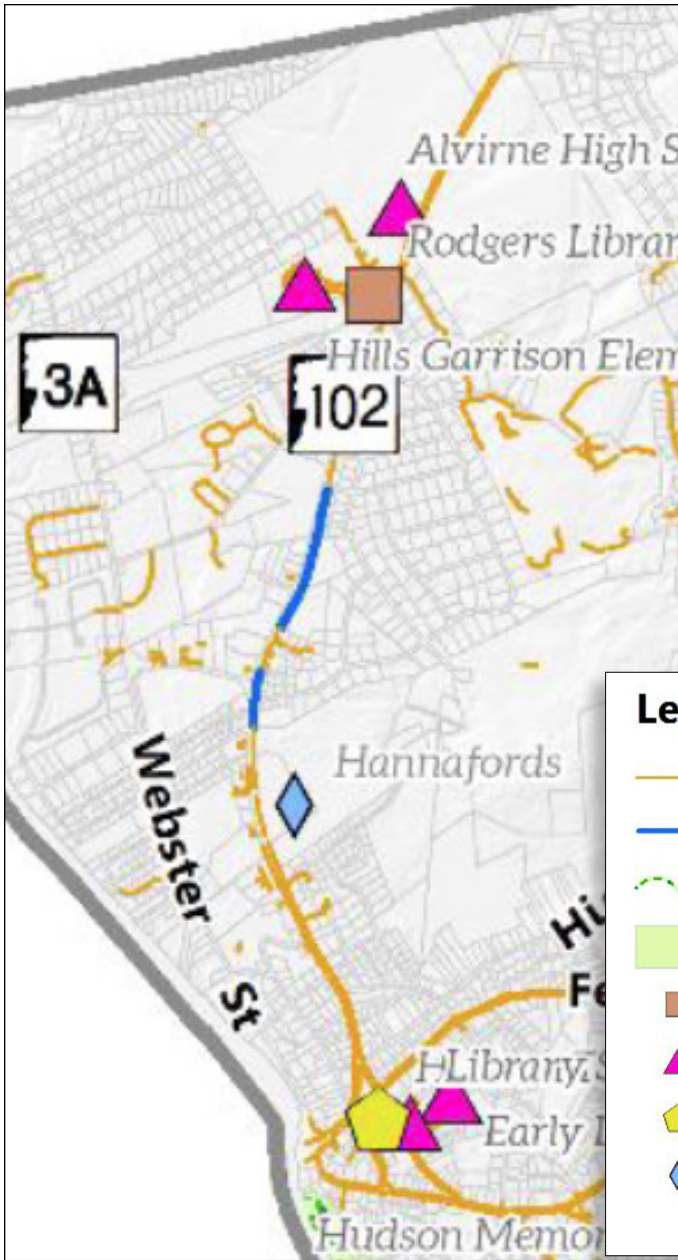
Opportunities for further public discussion: Yes. There is a current outreach effort, through survey an in-person sessions, underway to supplement the Master Plan outreach of 2019. Additional public outreach specifically regarding this project can be conducted by town staff.

Alternative options: Impact Fees may be used for local match but cannot be used to fund the entire project.

2025-2034 Ten Year Plan Project Solicitations

Town of Hudson
Project: Route 102 Sidewalk Infill
Area Map & Estimate

Submitted by:
Brian Groth, Town Planner
August 5, 2022



Route	Side	Street Name Start	Street Name End	Length	Cost (Asphalt & Granite Curb)
102	East	107 Derry Street	Phillips Drive	583	\$52,470
102	East	Phillips Drive	Towhee Drive	1,723	\$155,070
	<i>SubTotal</i>			2,306	\$207,540
102	West	76 Derry Street	86 Derry Street	383	\$34,470
102	West	86 Derry Street	Elm Avenue	660	\$59,400
102	West	Elm Avenue	Hills Garrison Elementary	4,101	\$369,090
	<i>SubTotal</i>			5,144	\$462,960
	Total			7,450	\$670,500

Additional Items	Cost Estimate
Feasibility & Design	\$20,000
Crosswalk Beacon & Bumpout	\$45,000
<i>Subtotal</i>	\$65,000

Grand Total	\$735,500
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ROUTE 3A LOWELL ROAD – SAFE CROSSINGS

Location: Route 3A (Lowell Road). Improved crosswalk equipment at intersection of Lowell Road and Central Street. Crosswalk beacons and curb bump-outs on Lowell Road at Winn Avenue and Roosevelt Avenue.

Scale: Three locations spanning a total of 2,500 feet along Lowell Road.

Purpose: The purpose of this project is to provide safe crossings for pedestrians accessing residential neighborhood and local business establishments.

Need: While the speed limit is 30 mph, Lowell Road is a heavily trafficked (> 20,000 ADT) at unsafe speeds for pedestrian crossing.

Scope: Improve crosswalk equipment at the intersection of Lowell Road and Central Street. Install crosswalk beacons and curb bump-outs on Lowell Road adjacent to intersection with Winn Avenue and Roosevelt Avenue.

Additional information: Local and regional traffic volumes & speeds result in an unsafe environment for pedestrian seeking to cross Lowell Road to move between densely settled residential areas and access local businesses.

Public Involvement: General lack of sidewalks and crosswalks is a concern to more than half of all 2019 survey respondents. Traffic and unsafe conditions along Lowell Road was also a common theme among respondents. This concept was recently brought to the attention of the Highways Safety Committee by a life-long resident, current member of the Conservation Commission and former member of the Planning Board. The Highway Safety Committee recommended this project.

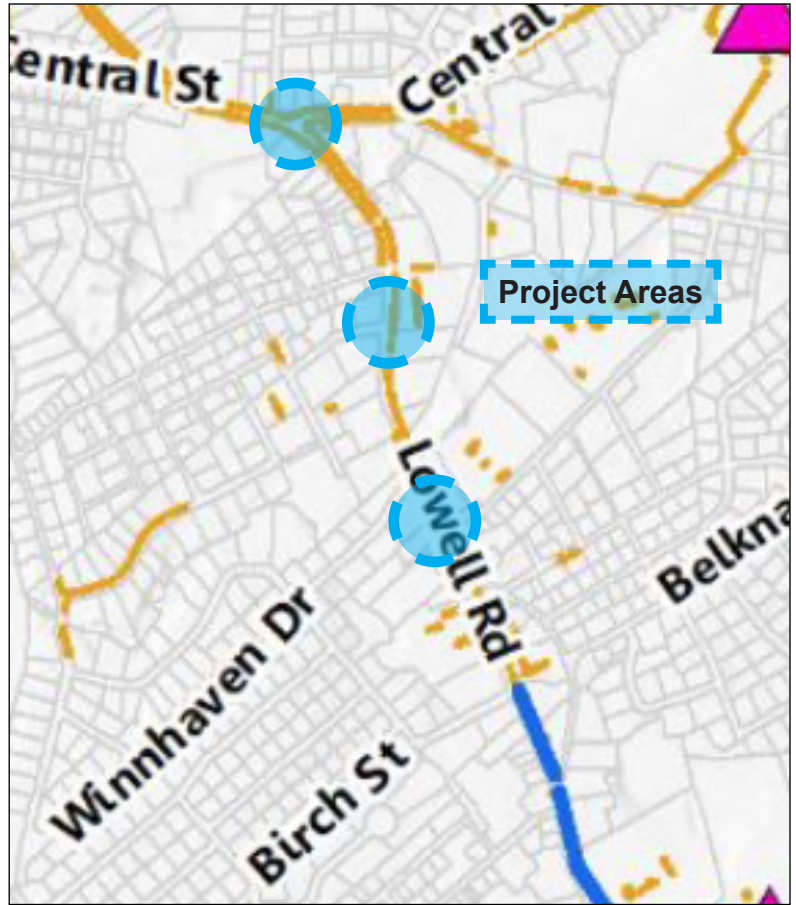
Opportunities for further public discussion: There is a current outreach effort, through survey and in-person sessions, underway to supplement the Master Plan outreach of 2019. Additional public outreach specifically regarding this project can be conducted by town staff.

Alternative options: Impact Fees may be used for local match but cannot be used to fund the entire project. Installation of equipment may be performed by the Department of Public Works.

**2025-2034 Ten Year Plan
Project Solicitations**

Town of Hudson
Project: Route 3A Lowell Road
Crosswalk Improvements
Area Map & Estimate

Submitted by:
Brian Groth, Town Planner
August 5, 2022



Location	Equipment	Estimate
Lowell Road & Central Street	Improved Crosswalk Technology	\$10,000
Lowell Road and Winn Avenue	Crosswalk Beacon & Curb Bump-out	\$45,000
Lowell Road and Roosevelt Avenue	Crosswalk Beacon & Curb Bump-out	\$45,000
<i>Total</i>		\$100,000