



Transportation Project Proposal Form

Hello! This is the form for transportation project proposals (Ten Year Plan Projects) to the Lakes Region Planning Commission. If you have any questions about filling out this form, please call Jessica Bighinatti (Assistant Planner) at (603)-279-8171 or Susan Slack at (603)-279-5337; or email us at jbighinatti@lakesrpc.org (<mailto:jbighinatti@lakesrpc.org>) or sslack@lakesrpc.org (<mailto:sslack@lakesrpc.org>).

* Required

Contact Details

1. Full Name: *

2. Best Phone Number: *

3. Email Address: *

4. Municipality: *

5. Organization/Entity: *

6. Position/Title: *

Project Information

7. Title/Name of project: *

8. Project type(s): *

- Highway Improvements (operational improvements, access management, intelligent transportation systems, widening, technology operation improvements)
- Asset Management (bridge rehabilitation, bridge replacement, pavement repair/replacement)
- Bicycle and Pedestrian Improvements (sidewalks, bike trails, multi-use paths, traffic calming improvements)
- Infrastructure-related Travel Demand Management (park & ride lots, transit or HOV lanes, priority signalization, bus shelters, intermodal transportation centers)
- Planning Studies (road diets, corridor studies, network studies, pedestrian/cyclist safety studies)

9. Where is this project located?

(road names, nearby facilities/landmarks) *

10. What is the scale of this project?

(please provide approximate measurements in feet; you can use Google Maps measuring tool to estimate distances) *



Purpose, Need, and Scope

11. Please provide the Purpose Statement for this project.

ex: "The purpose of this project is to support increased non-motorized activity by addressing safety issues resulting from unsafe vehicle speeds and inadequate protections for pedestrians on Main Street between 1st and 2nd Street." *

12. Please provide the Need Statement for this project.

ex: "The section of Main St between 1st Street and 2nd Street is unsafe for pedestrians. This section is in the center of the city's commercial district concentrated with jobs and small businesses. In the past 5 years there have been 15 crashes in this section of Main St: two resulted in serious injuries to pedestrians and one resulted in a pedestrian fatality. Continued local economic development depends on increased walkability and safety for pedestrians." *

13. Please outline the project scope.

ex. "Install pedestrian crossings on Main Street at 1st and 2nd street intersections and at mid-block, including pedestrian refuge medians, other streetscaping and traffic calming infrastructure." *

14. Please provide any additional information about this project.

(local knowledge/insight, relevant studies/data, infrastructure needs, etc.) *

Supplementary Information

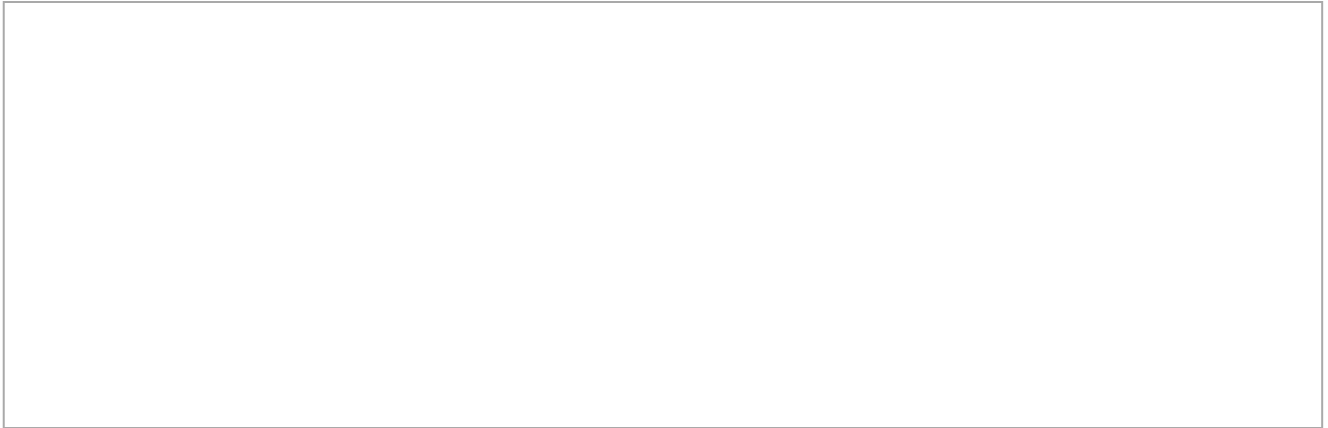
Please note that these questions are not required to make an initial submission. If you are not able to provide answers to some or all of these questions at this time, please leave the question(s) blank and Jess or Susan will reach out to provide assistance.

15. How involved has the public been in this project proposal so far?

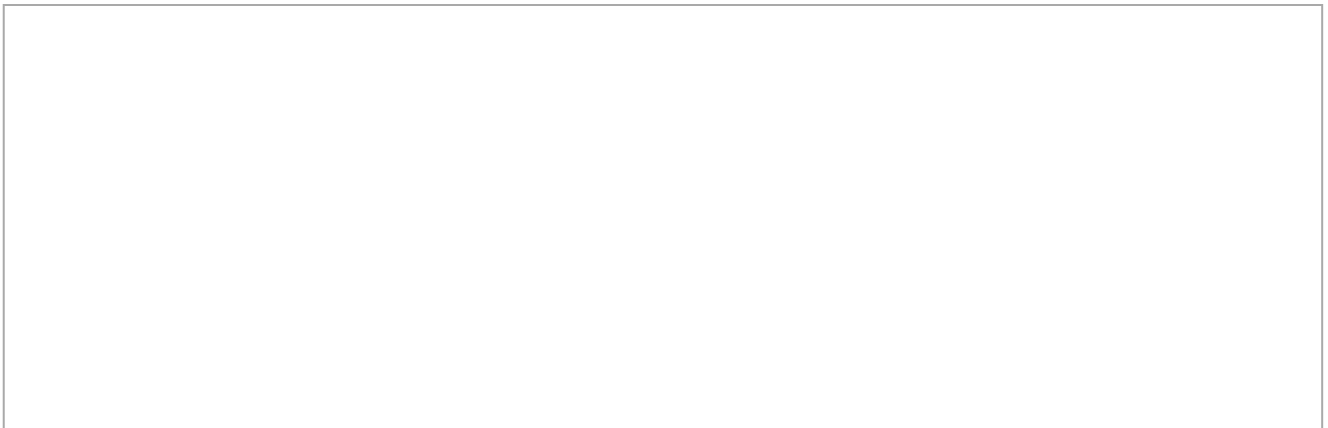
(please make note of any dates, agenda items, minutes from public meetings, and decisions influenced by public involvement)

16. Are there opportunities for further public discussion of this project in the near future?

17. Will the project be managed locally?

A large, empty rectangular box with a thin black border, intended for the user to provide an answer to question 17.

18. What alternative options or methods have been considered to address this need and what makes this project proposal the best option?

A large, empty rectangular box with a thin black border, intended for the user to provide an answer to question 18.

19. Please provide evidence supporting this project, including letters of support.

(review list of documents, letters of support, data sources, plans, guidance, maps, etc. that will serve as sources of information to bolster the application; please note what and where you are referencing from)

A large, empty rectangular box with a thin black border, intended for the applicant to provide evidence supporting the project, such as letters of support, data sources, plans, guidance, and maps.

Thank You!

Thank you for completing this project proposal form.

Please email any relevant documents, maps, cost estimates, and data (local plans/master plans, cost estimate, local police crash data, maps, transit operator data, development studies, bike/pedestrian surveys, project scope, conceptual design, etc.) to this project that you have to jbighinatti@lakesrpc.org (<mailto:jbighinatti@lakesrpc.org>), or sslack@lakesrpc.org (<mailto:sslack@lakesrpc.org>).

If you have any questions please call Jess at (603)-279-8171 or Susan at (603)-279-5337

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 Microsoft Forms

Route 106/State School Intersection Laconia, NH

Krista Larsen, P.E.
Assistant Public Works Director
(603) 528-6379 • KLarsen@laconianh.gov

8. Project Type: Highway

9. Location: Route 106, State School, 62 Communications Drive

10. Scale: 300-ft

11. Purpose: The purpose of this project is to provide a safe intersection that supports the development of the State School property for residential, retail and business. A roundabout is being proposed in lieu of a signalized intersection as an environmentally friendly alternative which also provides less disruption to traffic flow on Route 106 a major corridor in the lakes region.

12. Need: The development expected on this property will be mixed use- residential, retail, professional office space and restaurants. A safe intersection for vehicular traffic, pedestrians and bicycles is needed for the volume of traffic anticipated. A well-designed, safe and low impact intersection will allow the site to be developed to its fullest capacity.

Network significance – The 2019 Annual average daily traffic (AADT) count was 9,451. Route 106 is deemed a Lakes Region “lifeline corridor” or “a highway that serves the majority of traffic flow through and within the region” it is therefore *central* to the local and regional transportation network. Route 106 is central to the local and regional transportation network, and connects Interstate 93 to Route 3 and 25.

Safety – FHWA identifies roundabouts as a Proven Safety Countermeasure because of their ability to substantially reduce the types of crashes that result in injury or loss of life. Roundabouts are designed to improve safety for all users, including pedestrians and bicycles.

Economic Development – The purpose of the proposed development is to provide for self-sustaining economic development and job creation for the benefit of the Lakes Region. The Lakes Region Facility Redevelopment 2019 report estimates that between 600 and 1700 new jobs will be created for the state of New Hampshire, with over to 1,000 jobs in the Lakes Region, depending on the final development approach.

Mobility – A roundabout provides enhanced mobility for freight and tourism travel. Route 106 is considered an arterial according to the FHWA Highway Functional Classification Guidance and is identified as a Critical Rural Freight Corridor in the NHDOT 2019 NH Freight Plan.

Support – The Lakeshore Redevelopment Planning Commission was established by the State Legislature to study the former Laconia state school land, buildings and training center property to identify potential development alternatives. Redevelopment of the underutilized state school property has broad support from the State, the lakes region and the local government.

Equity, Environmental Justice & Accessibility – The proposed roundabout will support development of the site to its fullest capacity. Laconia stands out in the Lakes Region with 23% of its population below 150% of the poverty threshold and 4.8% of its population non-white. Supporting maximum potential for job creation in this under-served, low income, minority population is crucial. Additionally, a roundabout

**Route 106/State School Intersection
Laconia, NH**

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provides safe pedestrian and bicycle accessibility and minimizes impacts to air quality due to vehicle idling.

13. Scope: Install roundabout including pedestrian and bicycle accessibility and streetscape features.

14. Additional info:

15. How involved has the public been in this project proposal so far?

Lakeshore Redevelopment Planning Commission meetings are held monthly and open to the public. The City Council supports development of the site.

16. Are there opportunities for further public discussion?

Yes. There will be opportunities for the public to provide feedback, ask questions and provide suggestions during the planning and implementation process.

17. Will the project be managed locally?

The City of Laconia will partner with DOT to manage the project

18. What alternative options or methods have been considered to address this need and what makes this project proposal the best option?

Alternate options include no traffic control devices, or installing traffic signals. The roundabout is preferred to no traffic controls for providing safe access to the shops, restaurants, and other buildings. The roundabout is also preferable to a signalized intersection for three reasons, (1) provides for continuous flow of traffic and reduces congestion, (2) less idling and thus better air quality, (3) there is a signalized intersection less than a half mile from the proposed entrance to the development. Stacking traffic signals can cause even further traffic congestion.

19. Please provide evidence supporting this project, including letters of support.

(Letter from Lakeshore Redevelopment planning commission)

From: [Krista Larsen](#)
To: [Susan Slack](#)
Subject: Laconia TYP applications Cost Estimates
Date: Monday, September 21, 2020 4:05:43 PM

Hi Susan,

Here are the cost estimates for Laconia's 4 applications-

Route 106/State School roundabout	\$2,500,000
Endicott Street North pedestrian crossing with PHB	\$174,000
Union Avenue Rehabilitation	80% State funded = \$3,250,000
Langley Cove Bridge	80% State funded = \$1,400,000

If you wouldn't mind checking my math. I took the current estimate, multiplied by 2.8% compounding for 10 years. Then added another 10% for indirect at Year 10 for the cost estimate. So Route 106/State School roundabout is \$1.7M this year and (rounded) \$2.5M Year 10 with 10% indirect costs.

	\$ 1,700,000	
Year 1	\$ 1,747,600	2.8%
Year 2	\$ 1,796,533	2.8%
Year 3	\$ 1,846,836	2.8%
Year 4	\$ 1,898,547	2.8%
Year 5	\$ 1,951,706	2.8%
Year 6	\$ 2,006,354	2.8%
Year 7	\$ 2,062,532	2.8%
Year 8	\$ 2,120,283	2.8%
Year 9	\$ 2,179,651	2.8%
Year 10	\$ 2,240,681	2.8%
10% indirect	\$ 2,464,749	

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Laconianh.gov/RoadUpdates