



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): *

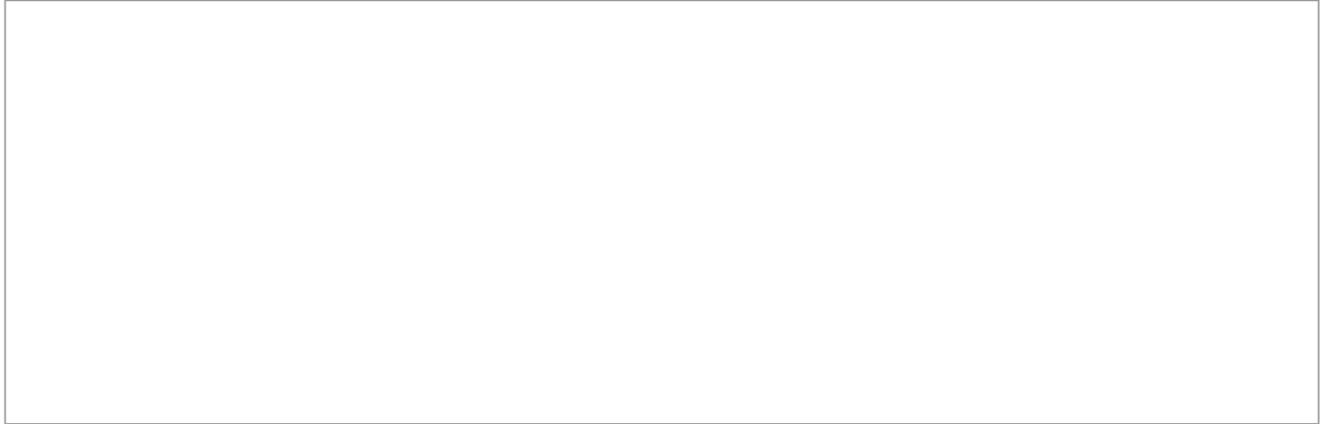
- Highway Improvements (operational improvements, access management, intelligent transportation systems, widening, technology operation improvements)
- Asset Management (bridge rehabilitation, bridge replacement, pavement repair/replacement)
- Bicycle and Pedestrian Improvements (sidewalks, bike trails, 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?

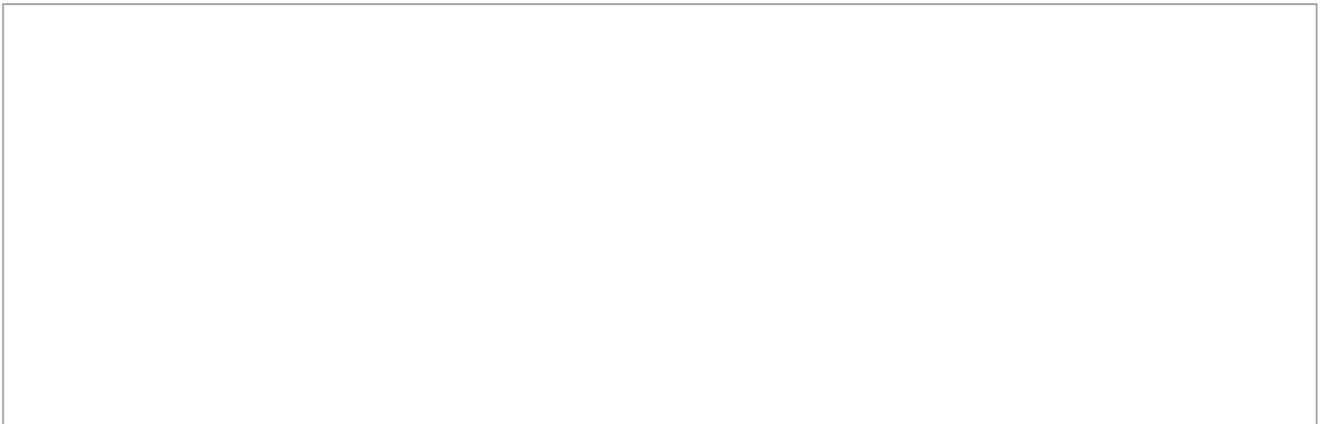
(please make note of any dates, agenda items, minutes from public meetings, and decisions influenced by public involvement)

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

**Weirs Blvd Bridge #135/128
over Langley Brook
Laconia, NH**

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

8. Project Type: Asset Management (bridge rehabilitation, bridge replacement)

9. Location: Weirs Blvd Bridge #135/128 over Langley Brook located between 553 and 569 Weirs Boulevard

10. Scale: 500-ft

11. Purpose: The purpose of this project is to replace, and improve, a state red-listed bridge. The new bridge will be widened to include a turning lane to support a new housing development. The bridge will also include a sidewalk on both sides meeting all standards of the Americans with Disabilities Act.

12. Need: The bridge was built in 1933 and supports Route 3/Weirs Boulevard, a heavily travelled corridor in the lakes region. The replacement bridge will include a left-turn lane which is required to support full build-out of a new housing development and will include ADA compliant sidewalks.

Network Significance – The 2019 Annual average daily traffic (AADT) count for this portion of Route 3/Weirs Blvd was 9,718. Route 3 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.

Safety – The bridge replacement will include sidewalks for the 500-ft extent of the bridge approach. Currently there is no sidewalk in this area. Sidewalks are one of 20 FHWA proven safety countermeasures.

Economic Development – In addition to being replaced, the bridge footprint will also be widened to accommodate a center turning lane for a new housing development. A traffic study was completed during the permitting phase of a large-scale housing development. It was determined that a left turning lane is required once the development reaches 90 units. The development has approval from the local Planning Board for nearly 300 units. A prime consideration for any corporation looking to expand their business to an area is the capacity of the workforce. Without adequate housing, a region cannot support a viable employee base and this poses a barrier to economic development.

State of Repair – The existing infrastructure is aged and failing. The bridge is a State red-listed bridge.

Mobility – Route 3 is considered an arterial in accordance with FHWA Highway Functional Classification Guidance. The benefit of replacing the bridge far outweighs the possibility of load restrictions on the bridge due to further deteriorating conditions.

13. Scope: The scope includes a new bridge and widened approaches approximately 250-ft on either side of the bridge to accommodate a right and left turn lane. The new bridge will be equipped with ADA compliant sidewalks and improved stormwater/drainage infrastructure.

14. Additional info: The developer has committed to partially funding the bridge replacement in order to facilitate the installation of a wider bridge with a left turn lane which will support the new housing development. The expectation is that the funding for this project will be from the State Bridge Aid program, therefore, the City of Laconia will be contributing 20% of the project cost.

**Weirs Blvd Bridge #135/128
over Langley Brook
Laconia, NH**

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

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

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 implementation process.

17. Will the project be managed locally? Yes. The project will be managed by the City of Laconia.

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 “no work” option. This is not considered viable due to the condition of the bridge.

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

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