

NH Transportation Planning Process

Project Concept

Project Development

> Project Implementation

MPO Long Range Transportation Plan (LRTP)

State Ten Year Plan

MPO Transportation Improvement Program (TIP)

- 4 Year Short-Range Project List
- Near-term implementation
- Federally funded or Regionally Significant projects
- Fiscally constrained
- Regional TIPs combine to form State TIP (STIP)
- Updated every two years at conclusion of Ten Year Plan process

10 Year Statewide Queue of Projects

- State Commitment to build listed projects
- Fiscally constrained
- Regions provided funding targets
- New projects added to outer years & move to TIP when they reach year 4
- Updated every two years
- Federal and State funded projects

20+ Year Identified Project Needs

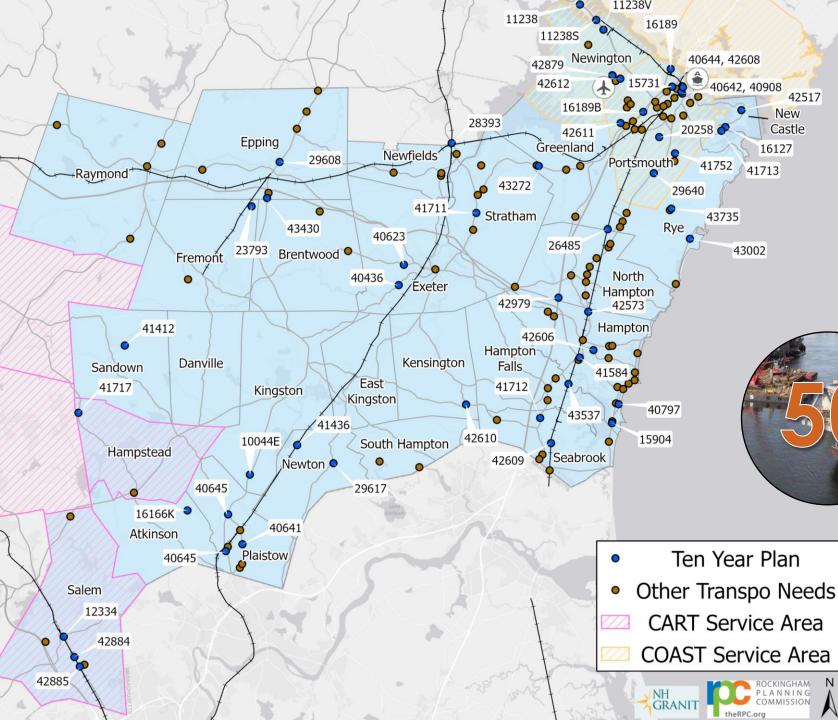
- Regional Policies and Goals
- Federally funded and Regionally Significant projects
- Short and long-term recommendations
- Fiscally constrained
- Projects prioritized for State Ten Year Plan
- Major updates every 4-5 years

Future



Present

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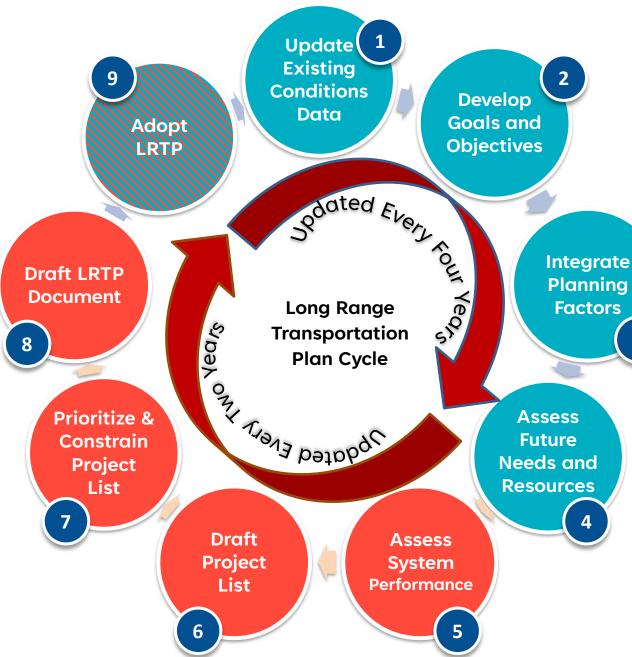


PROJECTS IN THE RPC REGION EST. \$635 MILLION



RPC REGION **PROJECTS IN THE** TEN YEAR PLAN & TIP \$277 MILLION

LRTP Process



- Major Updates of all components every 4 years
- Update Project list every two years in coordination with Ten Year Plan process
- LRTP provides initial list of projects considered for the Ten Year Plan
- Prioritization process determines when a project is "scheduled" in the LRTP



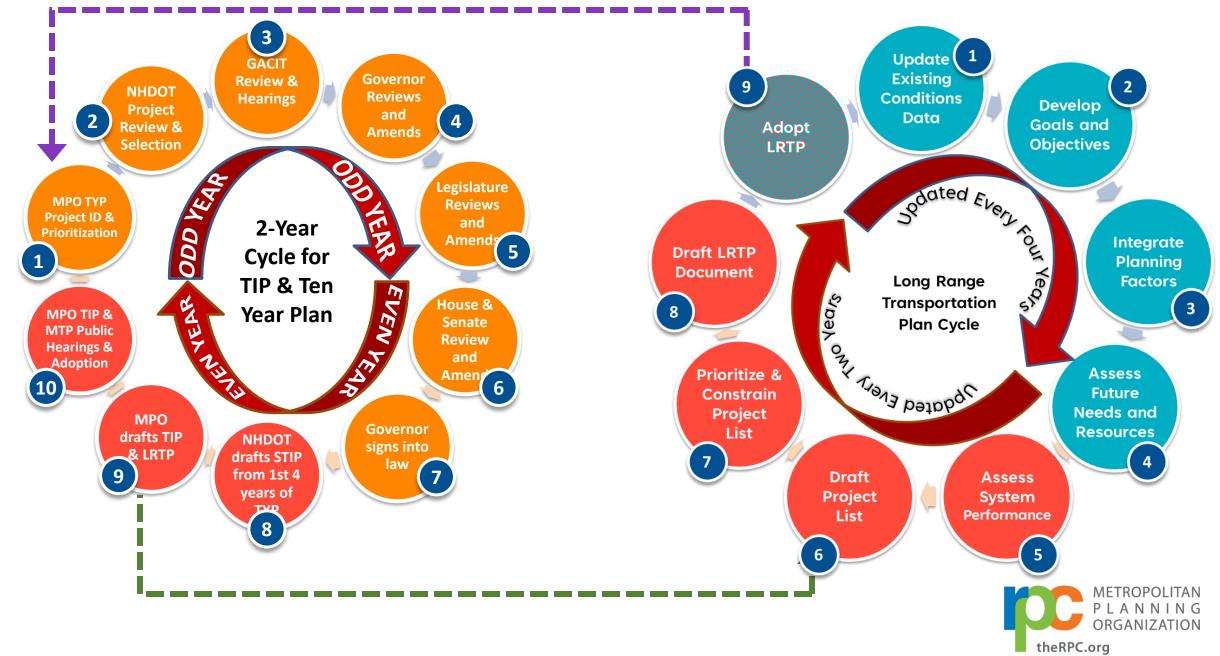
Ten Year Plan & STIP/TIP Process



- 2-Year Cycle
- MPO involved at beginning and end of process
- Governor Signing Ten Year Plan starts STIP development
- DOT builds STIP from first 4 years of Ten Year Plan and ongoing projects
- MPO builds TIP from Draft STIP released by NHDOT



LRTP \rightarrow **Ten Year Plan** \rightarrow **TIP Interaction**





- One step in the Ten Year Plan process
- Multi-step process for the MPO/RPC
- May to November 2022

RPC Project Solicitation and Selection Process Project

Solicitation

Project

Evaluation

Project

Selection

Criteria

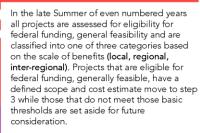
In the Summer of even numbered years the MPO solicits surface transportation projects from communities and agencies as possible additions to the Long Range Transportation Plan (LRTP). These new needs are combined with those already in the LRTP to form the project list that is the starting point for determining regional priorities for the State Ten Year Plan.

The Statewide Project Evaluation Criteria are given weights and the RPC utilizes these weights in early Fall of even numbered years to score each remaining project against the criteria and establish relative priority. The current criteria assess project needs and impacts regarding:

- Economic Development & Goods Movement
- Equity, Accessibility, and Environmental
- Mobility & Congestion
- Natural Hazards Resiliency
- Transportation Network Significance
- Safety for all users
- Infrastructure State of Repair
- Local and Regional Support

Late Fall of even numbered years, the TAC recommends, and the RPC Commissioners select, a sub-set of the short-listed projects as the RPC Candidate Projects for the Ten Year Plan. This list is financially constrained to the regional budget target (\$6.7 million) plus two additional projects, and information is assembled for each project to support the NHDOT review.

In spring of odd numbered years, the RPC utilizes the feedback from NHDOT to constrain regional priorities to the budget target. NHDOT includes RPC final project recommendations in the draft Ten Year Plan to start the State approval process.



Local Safety, accessibility, and multi-modal connections within communities.

Multi-modal connections between Regional communities & regional activity centers.

Inter-Mobility & intermodal improvements to ensure that the region is well Regional connected to the rest of New Hampshire and the northeast.

Based on the scoring assessed in Step 3, the five top projects from each of the three categories are compiled by staff into a "short-list" that is presented to the Transportation Advisory Committee (TAC) for review and consideration mid-Fall of even numbered years.

Ten Year Candidate **Projects**

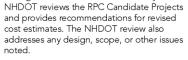
Ten Year

Plan Priorities

Project

Short List

During the Winter of odd numbered years Scope and Cost Review





Go to therpc.org/transportation for more details

Project Solicitation (May-July 2022)

Request sent to communities and transit agencies (May-July 2022)

- Are existing projects in Ten Year Plan and Long Range Transportation Plan still priorities?
- Is there updated information available regarding existing projects?
- Are there newly identified proposals to submit?
- Are there other identified transportation issues for which a project has not been explicitly developed?



Project Solicitation (May-July 2022)

New web-based form for submitting/updating projects

Project Solicitation 2022

Please note that when completing this survey all questions are to be answered and a cost estimate is to be attached for project consideration. If a field is not applicable to the project, please type Not Applicable.

Contact	Information	•
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Full Name:*

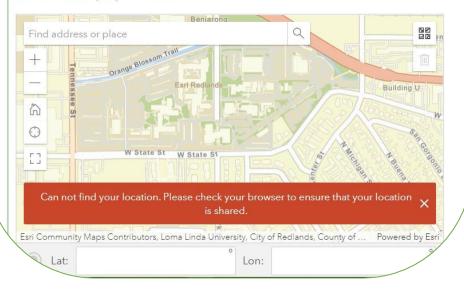
Phone Number:*

Municipality:*

Affiliation:*

To locate the project site, you can use your mouse to scroll in and out and you can drag your cursor to move around the map. If the address or coordinates of the project site are known, type them into the search bar. Once you feel the pin most accurately represents the project location, you can move onto the next section. Note that if needed, the base map can be changed by clicking the four square icon in the toolbar to the right.

Where is this project located?*





Project Evaluation (Spring-Summer 2022)

- Existing Projects (May-July 2022)
 - Keep in LRTP? Consider dropping if no community input.
 - Projects without defined scope/cost may be moved to "Illustrative" category
- Check/update data for completeness
 - Detail project descriptions/scopes
 - Check costs, looking for obviously under-estimated projects
- Classify Projects
 - Assign each to "Local", "Regional", and "Inter-Regional" Groups
 - Is the project a fit for the 10 Year Plan as a stand-alone project?



Grouping Projects By Scale

	Local	Regional	Inter-Regional
Focus	Safety, access, and multimodal connections <u>within</u> communities	Multimodal connections <u>between</u> communities and regional activity centers	Mobility & intermodal improvements to ensure that the region is well connected <u>to the rest</u> of New England and beyond.
Project Types	 Smaller scale bike/ped and transit projects Highway projects on "main street" state highways and some local roads Multimodal access to services for all users Complete Streets and context sensitive design 	 Projects primarily on State Highways Regional Transit Regional scale bike/ped Improve access to regional activity centers Improve mobility Address safety issues 	 Project Related to National Highway System Reduce congestion on critical roadways Freight mobility and travel time Inter-regional Bus and Rail transit service Address safety problems
Important Criterion	 Safety Equity and Accessibility Natural Hazards Resiliency 	 Safety Economic Development Mobility Equity and Accessibility 	 Safety Mobility State of repair Network Significance



Draft Project Selection (Summer-Fall 2022)

- 1. Project is feasible
 - **Project addresses a clearly defined transportation need.**
 - Proposal is a reasonable approach in scope and cost given existing resources.
 - Project is likely to receive required Resource Agency permits and approvals.
- 2. Project is supported
 - Project has demonstrated local support and matching funds (if necessary).
 - Project conforms to regulations and plans for affected areas.
- 3. Project is eligible for federal funding programs
- 4. Apply Project Selection Criteria



Project Selection Criteria

Category	Definition
Economic Development	The degree to which a project supports economic development needs and opportunities at the 1) local and 2) regional level; and 3) the degree to which the project impacts the movement of goods
Equity, Environmental Justice, and Accessibility	The degree to which a project provides a transportation option for someone who may not drive, or otherwise supports fair distribution of the benefits and burdens of the transportation system.
Mobility	The degree to which a project reduces the time needed to get from one place to another.
Natural Hazards Resiliency	The exposure of a location to risk of damage from natural hazards and the project approach to mitigating that risk.
Network Significance	The importance of the service or facility to the communities, region, and larger transportation system of the state.
Safety	The degree to which the project impacts traveler safety in relation to safety performance and the project's expected safety benefits.
State of Repair	The extent to which the project improves infrastructure condition in the project area and the degree to which the project impacts NHDOT and/or municipal maintenance requirements.
Support	The degree to which a project is supported by the MPO, locality, and feasibility of construction



Criteria Weighting Process (Summer 2022)

Category	Local	Regional	Inter- Regional
Economic Development	10%	13%	12%
Equity & Accessibility	17%	<u>16</u> %	18%
Mobility	11%	12%	11%
Natural Hazard Resiliency	10%	<u>8</u> %	8%
Network Significance	14%	<u>16</u> %	<u>14</u> %
Safety	17%	16%	17%
State of Repair	13%	<u>14</u> %	11%
Support	8%	7%	10%

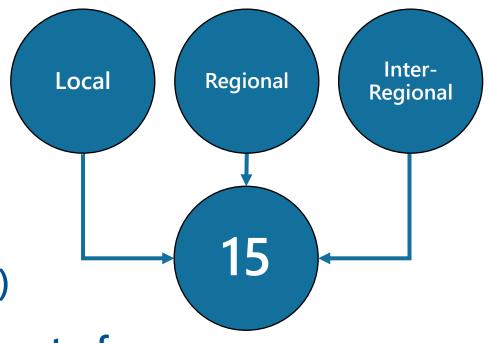
• Set Category Weights:

- Total of all Categories (Safety, Mobility, etc.) = 100%
- Weight may differ for each scale (local, regional, inter-regional)
- Set Criterion Weights
 - Total within each category = 100%
 - Percentages stay the same across scales



Develop Project Short List (Late Summer 2022)

- Based on Scoring in Step #3
- Top 5 projects from each category
- TAC Review and Recommends (July 2022)
- Sent to Consulting Engineers for Refinement of scope and estimates (July-September 2022)
- Ideally this would be all 15 Budget may limit number to something lower.





Ten Year Plan Candidate Projects (Fall 2022)

- Single List of Priorities
- Sub-set of the "Short List"
- Constrained to Regional Budget Target
- 2 Additional Project Alternatives
- TAC Recommendation (September 2022)
- Policy Committee Approval (October 2022)
- Materials Prepared for NHDOT Review
- Submitted to NHDOT in early November 2022



NHDOT Scope & Cost Review (Winter 2022-2023)

theRPC.org

- Review Scope and Cost of Candidate Projects
- Offer recommendations for changes

Proj #	Name	Scope	Initial Estimate	NHDOT Revised Estimate	NHDOT Comments
6001019	ECG	Rail Trail over Hampton Marsh	\$5,475,209	\$5,475,209	Concern regarding environmental& historic resources challenges and access across a private right-of-way
6147006	Epping	NH 155/NH 125 Intersection	\$431,016	\$1,791,128	While a capacity analysis indicates some delay, not clear that it meets warrants for a traffic signal.
6379013	Portsmouth	Bartlett St. Bridge (Red List)	\$491,409	-	Not enough information to make an informed estimate.
6383004	Raymond	NH 27/NH 156 Intersection	\$1,036,850	\$1,854,502	Concern regarding purpose and need. Also concerned given proximity of adjacent development
6345011	North Hampton	US 1/NH 111 Intersection	\$1,075,528	\$5,060,497	Concerned regarding the narrow right-of-way
Total			\$8,510,057	\$14,135,292	

Ten Year Plan Priorities

- Utilize NHDOT Recommendations to Set Priorities
- Constrained to Regional Budget Target
- TAC Recommends Priorities (February 2023)
- Policy Committee Approves Priorities (March 2023)
- Submitted to NHDOT by 3/31/2023

Proj #	Name	Scope	Initial Estimate	NHDOT Revised Estimate	NHDOT Comments	
600101	ECG	Rail Trail over Hampton Marsh	\$5,475,209	\$5,475,209	Concern regarding environmental& historic resources challenges and access across a private right-of-way	ITAN N G

Process timeline

	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Solicit Projects												
Project Dev & Classification												
Set Project Selection Process		TAC	TAC	POL								
Criteria Weighting Process			TAC	POL								
Select Short List for Eng Review				TAC	POL							
Engineering Review & Cost Est.												
Discussions w/ NHDOT												
Draft Priorities						TAC	POL					
NHDOT for Eng. Review												
Finalize list of Priorities											TAC	POL
Finalize List to NHDOT												

- Candidate Projects *due* to NHDOT in early November 2020 for engineering/estimate review.
- Finalized prioritized list to NHDOT *due* by March 31, 2021

