

Overview of 2023-2032 Ten-Year Transportation Improvement Plan Update Process

SNHPC MPO Meeting
July 28, 2020

Nathan Miller, AICP
Deputy Executive Director





Ten-Year Plan Overview

- 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 next update of the TYP will cover **FY 2023-2032**.

TEN YEAR TRANSPORTATION IMPROVEMENT PLAN

2019 - 2028

Projects Only

APPROVED BY THE NH LEGISLATURE
AND SIGNED INTO LAW BY THE GOVERNOR

PURSUANT TO
RSA 228:99 AND RSA 240 OF THE LAWS OF NEW HAMPSHIRE



PROJECTS LISTED ALPHABETICALLY



PREPARED BY THE NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION

July 2, 2018



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

Construction



FY 2019-
FY 2022

**Transportation
Improvement Program (TIP)**

Federal
Requirement

FY 2019-
FY 2028

**Ten-Year Transportation
Improvement Plan (TYP)**

State
Requirement

FY 2019-
FY 2045

**Long Range Transportation
Plan (LRTP)**

Federal
Requirement

Concept



Regional Ten-Year Plan Allocations for this Update Cycle

- Once again, NHDOT has allocated \$50 Million for regional projects in this Ten-Year Plan update cycle.
- New projects would (generally) be programmed in FY 2031 and FY 2032.
- **The SNHPC's estimated allocation is \$8.554 Million.**

RPC	FAE Lane Miles	%	Population	%	50% By FAE Lane Miles	50% Population	Total available for 2031-2032 Projects
NCC	1,536	18%	82,350	6%	\$ 4,530,229.37	\$ 1,575,857	\$ 6,106,086
UVLSRPC	721	9%	85,867	7%	\$ 2,127,026.04	\$ 1,643,159	\$ 3,770,185
LRPC	956	11%	119,725	9%	\$ 2,818,612.00	\$ 2,291,068	\$ 5,109,680
SWRPC	808	10%	99,566	8%	\$ 2,383,931.58	\$ 1,905,304	\$ 4,289,235
CNHRPC	764	9%	113,248	9%	\$ 2,252,871.89	\$ 2,167,124	\$ 4,419,996
SNHPC	1,173	14%	266,278	20%	\$ 3,458,115.57	\$ 5,095,520	\$ 8,553,635
NRPC	759	9%	205,765	16%	\$ 2,238,359.83	\$ 3,937,538	\$ 6,175,897
RPC	1,040	12%	188,521	14%	\$ 3,066,281.25	\$ 3,607,555	\$ 6,673,836
SRPC	720	8%	145,112	11%	\$ 2,124,572.47	\$ 2,776,876	\$ 4,901,449
Totals	8,477	100%	1,306,432	100%	\$ 25,000,000	\$ 25,000,000	\$ 50,000,000



Ten-Year Plan Project Evaluation Criteria

- The nine Regional Planning Commissions utilize the same set of criteria to evaluate and prioritize projects for inclusion in the Ten-Year Plan.
 - The criteria are weighted individually by each region to reflect the unique needs/priorities of that region.
- **Following the completion of the recent 2021-2030 Ten-Year Plan update process, the nine Regional Planning Commissions began a collaborative process to review and update the criteria.**



Highlights of Proposed TYP Criteria Updates

- A new “**Equity and Environmental Justice**” sub-criterion has been added, which will focus on the following:
 - Whether a project provides infrastructure improvements or transportation choices to a “traditionally-underserved population” identified in a Title VI or Environmental Justice Program.
 - Whether a project implements recommendations from a Community Health Improvement Program (CHIP).
 - The impact of a project on air quality.



Highlights of Proposed TYP Criteria Updates

- A new “**Accessibility**” sub-criterion has been added, which will focus on the following:
 - Whether a project incorporates Universal Design considerations to ensure that all users (e.g. those with mobility impairments, visual impairments, hearing impairment, etc.) can access and utilize the facility.
 - Whether a project incorporates accessibility upgrades identified in a local, regional, or statewide ADA Transition Plan.
 - Whether a project improves coordination between transportation service providers or between modes of transportation to improve access to essential services.



Highlights of Proposed TYP Criteria Updates

- A new criterion has been added focusing on Economic Development.
 - The “**Local and Regional Economic Development**” sub-criterion will focus on a project’s consistency with economic development plans (e.g. CEDS) and improving access to major employment and tourism destinations.
 - The “**Freight Mobility**” sub-criterion has been expanded to include the Critical Urban and Rural Freight Corridor recommendations provided by each of the nine RPCs.



Highlights of Proposed TYP Criteria Updates

- The “**Natural Hazard Resiliency**” criterion has been expanded.
 - The criterion now includes more explicit consideration about whether a project mitigates the risk from a known hazard (e.g. relocates infrastructure away from a known hazard area) or adapts to a known hazard (e.g. reinforces infrastructure in place).
 - The criterion also improves the connectivity between local Hazard Mitigation Planning priorities and the Ten-Year Plan process.



Ten-Year Plan Project Evaluation Criteria

Ten-Year Plan Criteria		Definition	SNHPC Weighting (2023-2032 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%
Equity, Environmental Justice, and Accessibility	Equity and Environmental 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%
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%
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%
Network Significance	Traffic Volume	The extent to which transportation infrastructure is currently utilized by vehicles, bicycles, and pedestrians.	8.79%
	Facility Importance	The importance of the facility to the local and the regional transportation system (e.g. available of alternate routes, etc).	8.05%
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%
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).	8.34%
	Maintenance	The degree to which the project impacts NHDOT and/or municipal maintenance requirements.	4.20%
Support	Support	The degree of documented support for the project at the local, regional, or statewide level.	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.
- **The SNHPC has released a new RFQ for On-Call Engineering for this purpose through June 2022.**
 - Our previous on-call engineering agreement with VHB, Inc. expired on June 30th.
- The SNHPC TAC has appointed a small Subcommittee to work with staff to review and score proposals from prospective engineering firms.



Ten-Year Plan Regional Schedule

- **Week of July 27, 2020** – TYP solicitation correspondence sent to SNHPC communities.
- **Tuesday, September 15, 2020** – TYP project submissions due to the SNHPC.
- **September to October 2020** – Candidate projects undergo review by SNHPC on-call engineering consultant and “shortlisting” by the SNHPC TAC and MPO.
- **November 6, 2020** – “Shortlist” of candidate projects due to NHDOT.
- **December 2020 to February 2021** – NHDOT review of candidate projects.
- **March 31, 2021** – Final regional priorities due to NHDOT.



Questions?