

2019-2028 Ten-Year Transportation Improvement Plan Update

SNHPC MPO Meeting
March 28, 2017

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Ten-Year Plan Refresher

TEN YEAR TRANSPORTATION IMPROVEMENT PLAN

2017 - 2026

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

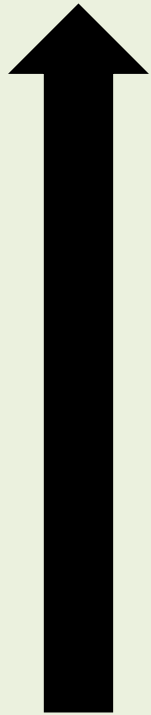
June 24, 2016

- 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 current update of the TYP will cover FY 2019-2028.
 - The SNHPC's regional priorities are due to the NHDOT by April 30, 2017.
 - **Based on NHDOT revenue projections, we anticipate being able to add \$8.2 Million in new projects in the region.**



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

Construction



FY 2017-
FY 2020

**Transportation
Improvement Program (TIP)**

Federal
Requirement

FY 2017-
FY 2026

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

State
Requirement

FY 2017-
FY 2040

**Regional Transportation
Plan (RTP)**

Federal
Requirement

Concept



Ten-Year Plan Regional Schedule

Date	Task
Complete	Project Solicitation Correspondence Sent to Communities, NHDOT, and Transit Providers
Complete	Presentation to TAC about Ten-Year Plan Criteria and Process
Complete	Ten-Year Plan Criteria Weighting Exercise with TAC
Complete	MPO Consideration of TAC-recommended Criteria Weighting
Complete	Ten-Year Plan Project Submissions due from Communities
Complete	Presentation to TAC about Submitted Projects, Appointment of TAC Scoring Subcommittee
Week of 4/3/17	TAC Scoring Subcommittee Work Session(s) to Evaluate and Prioritize Ten-Year Plan Projects
4/20/17	TAC Review of Scoring Subcommittee Recommendations, and Development of Ten-Year Plan Project Priorities
4/25/17	MPO Review of TAC Prioritization Recommendation, and Adoption of Final Ten-Year Plan Priorities for the SNHPC Region
4/28/17	Submission of Correspondence to NHDOT Detailing the SNHPC Region's Ten-Year Plan Priorities



Ten-Year Plan Evaluation Criteria

Ten-Year Plan Criteria		Definition	Previous Weighting (2017-2026 TYP)	Approved Weighting (2019-2028 TYP)
Mobility	Reduce Congestion	The extent to which the project is intended to impact traveler delay upon completion.	11.9%	13.9%
	Freight Mobility	The degree to which the project impacts movement of goods.	4.5%	5.6%
Alternative Modes		The extent to which the project impacts accommodations for alternative modes of travel including bicycle, pedestrian and transit, where so desired.	9.2%	11.5%
Network Significance	Traffic Volume	A measure of motor vehicle volume based on the NHDOT traffic data management system.	4.2%	8.8%
	Facility Importance	The extent to which the facility moves people and goods between major locations.	10.4%	9.2%
Safety	Safety Measures	The degree to which the scope of the project focuses on measures that increase safety.	13.2%	13.5%
	Safety Performance	A composite measure of 5-year average safety performance (e.g., crash rate, crash severity, etc.).	11.8%	10.9%
State of Repair	Roadway Surface Life	The extent to which the project impacts asset condition/service life of a roadway.	10.0%	17.8% (Total for State of Repair)
	Bridge Asset Condition	The degree to which a bridge requires work based on existing structural conditions, as determined by inspections and management system ratings.	10.0%	
Project Support		The degree to which a project has local, regional, or statewide support.	14.7%	8.8%



Proposed Ten-Year Plan Projects in the SNHPC Region

- **Town of Bedford/Town of Goffstown- Corridor Study of NH 114 and New Boston Road**
 - **Submitted By:** Town of Bedford (with support from Town of Goffstown)
 - **Proposed Project:**
 - Complete a corridor study and develop/evaluate infrastructure improvement concepts for the following roads:
 - NH Route 114 from NH Route 101 to Mast Road
 - New Boston Road from NH Route 114 to Chestnut Hill Road
 - The Town of Goffstown is supportive of this application.
 - **Estimated Cost:**
 - \$900,000



Proposed Ten-Year Plan Projects in the SNHPC Region

- **Town of Candia- Safety and Operational Improvements on NH Route 27, NH Route 43, and Raymond Road.**
 - **Submitted By:** Town of Candia
 - **Proposed Project:**
 - Realign the geometry of the intersection of NH Route 43/Main Street and NH 43/Raymond Road to "T" intersections;
 - Construct a new connector road from NH Route 27 to NH Route 43;
 - Construct a new intersection between NH Route 27/Raymond Road/New Connector Road.
 - **Estimated Cost:**
 - \$4.32 Million



Proposed Ten-Year Plan Projects in the SNHPC Region

- **Town of Londonderry- Safety and Operational Improvements at the Intersection of NH Route 28/NH Route 128**
 - **Submitted By:** Town of Londonderry
 - **Proposed Project:**
 - Realign and signalize the intersection of NH Route 28/NH Route 128.
 - This project would be broken out of the Route 28 Corridor improvement project currently in the SNHPC Regional Transportation Plan.
 - **Estimated Cost:**
 - \$750,000



Proposed Ten-Year Plan Projects in the SNHPC Region

- **Town of Londonderry**- Operational and Capacity Improvements at the Intersection of NH Route 28/Stonehenge Road
 - **Submitted By:** Town of Londonderry
 - **Proposed Project:**
 - Add turn lanes and signalize the intersection of NH Route 28/Stonehenge Road.
 - NHDOT concurs with signalization as the preferred alternative at this intersection. Conceptual plans have already been developed.
 - **Estimated Cost:**
 - \$1.0 Million



Proposed Ten-Year Plan Projects in the SNHPC Region

- **City of Manchester- Replace Deck for the Huse Road Bridge over I-293/NH Route 101**
 - **Submitted By:** NHDOT Bureau of Bridge Design/SNHPC Staff
 - **Proposed Project:**
 - Deck Replacement for the Huse Road Bridge over I-293/NH 101 in Manchester.
 - Superstructure and substructure of the bridge are currently in good condition according to recent inspection reports.
 - This is the only state-owned Red List bridge in the SNHPC region that is not currently programmed in the Ten-Year Plan.
 - **Estimated Cost:**
 - \$2.5 Million



Proposed Ten-Year Plan Projects in the SNHPC Region

- **City of Manchester- Operational Improvements at I-293 Exit 1 Interchange (South Willow Street)**
 - **Submitted By:** City of Manchester
 - **Proposed Project:**
 - This project is not new, but is already listed in the SNHPC Regional Transportation Plan. The City of Manchester reiterates the priority of this project for inclusion in the TYP.
 - The project would incorporate operational improvements to the I-293 Exit 1 ramps and interchange to reduce congestion and traveler delay. Such improvements could include innovative technologies like adaptive signal control.
 - **Estimated Cost:**
 - \$1.5 Million



Proposed Ten-Year Plan Projects in the SNHPC Region

- **City of Manchester- Phase III of the South Manchester Rail Trail (Perimeter Road to the Londonderry Town Line)**
 - **Submitted By:** City of Manchester
 - **Proposed Project:**
 - This project is not new, but is already listed in the SNHPC Regional Transportation Plan. The City of Manchester reiterates the priority of this project for inclusion in the TYP.
 - The project is the next phase of the South Manchester Rail Trail project, and would build upon the soon-to-be-completed extension from Gold Street to Perimeter Road.
 - **Estimated Cost:**
 - \$850,000



Proposed Ten-Year Plan Projects in the SNHPC Region

- **Town of Weare- Replace Deck for NH Route 77 Bridge over Canal 2 of Choate Brook**
 - **Submitted By:** NHDOT Bureau of Bridge Design/SNHPC Staff
 - **Proposed Project:**
 - Deck Replacement for the Huse Road Bridge over I-293/NH 101 in Manchester.
 - Superstructure and substructure of the bridge are currently in good condition according to recent inspection reports.
 - Bridge is not currently on the State Red List, but deck condition continues to deteriorate.
 - **Estimated Cost:**
 - \$2.5 Million



Proposed Ten-Year Plan Projects in the SNHPC Region

- **Town of Weare- Reconstruction/Rehabilitation of River Road**
 - **Submitted By:** Town of Weare
 - **Proposed Project:**
 - Rehabilitate pavement on the entirety of River Road in the Town of Weare.
 - Some segments of the road are noted to need reconstruction and drainage improvements.
 - **Estimated Cost:**
 - \$1.0 Million



Other Ten-Year Plan Project Needs in the SNHPC Region

- **Bedford (40664)- U.S. Route 3 Widening from Hawthorne Drive to Manchester Airport Access Road**
 - This was the SNHPC TAC's top priority project for inclusion in the 2017-2026 Ten-Year Plan.
 - The project was included in the 2017-2026 Ten-Year Plan, programmed for construction in FY 2026.
 - However, due to fiscal constraint, the project was only programmed for \$6 Million in funding vs. the estimated project cost of \$17.6 Million. Thus, additional funding will need to be programmed to make this project viable.



Other Ten-Year Plan Project Needs in the SNHPC Region

- **Manchester (16099A and 16099B)- Reconstruction of Interstate 293 Exit 6 and Exit 7**
 - The current 16099A project to Reconstruct and Widen I-293 Exit 6 is underfunded by an estimated \$23.9 Million.
 - The current 16099B project to Reconstruct I-293 Exit 7 is underfunded by an estimated \$37.2 Million.
 - Thus, additional funding will need to be programmed to make these projects viable. However, this additional funding would come solely from the Turnpike Program and should not affect the estimated \$8.2 Million available to program new projects in the SNHPC region.



Next Steps

- The TAC Project Evaluation Subcommittee will meet on 4/3/17.
 - Comprised of George Sioras, Rebecca Harris, Mark Suennen, and Dick Snow.
- The TAC Subcommittee will make a project prioritization recommendation to the full TAC for consideration on April 20th.
 - The full TAC may accept or modify the Subcommittee's recommendations as they see fit.
- The full TAC will recommend regional priorities to the MPO for consideration on April 25th.
 - The MPO may accept or modify the TAC's recommendations as they see fit.



Questions?