

# Update on 2021-2030 Ten-Year Transportation Improvement Plan

SNHPC TAC Meeting  
April 18, 2019

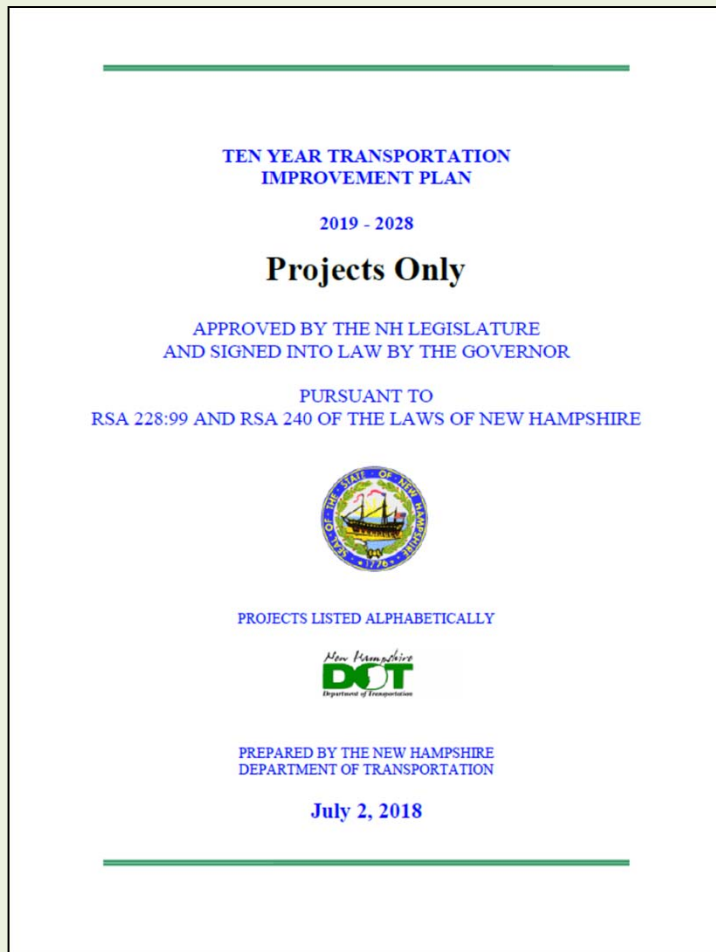
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Deputy Executive Director





# 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.
  - This update of the TYP will cover **FY 2021-2030**.





# Regional Ten-Year Plan Allocations for this Update Cycle

- NHDOT has allocated \$50 Million for regional projects in this Ten-Year Plan update cycle.
- New Projects would (generally) be programmed in FY 2029 and FY 2030.
- **The SNHPC's regional allocation is \$8.554 Million.**

RPC	F AE Lane Miles	%	Population	%	50% By FAE Lane Miles	50% Population	Total available for 2030-2031 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
<b>Totals</b>	<b>8,477</b>	<b>100%</b>	<b>1,306,432</b>	<b>100%</b>	<b>\$ 25,000,000</b>	<b>\$ 25,000,000</b>	<b>\$ 50,000,000</b>



# Engineering Review Required for the Ten-Year Plan Update

- NHDOT now requires engineering review of all projects to be included in the Ten-Year Plan for scoping and cost estimation purposes.
  - In September 2018, the SNHPC selected **VHB, Inc.** as the on-call engineering firm to provide this assistance.
- SNHPC staff met with NHDOT representatives in March to review and reach consensus on the project cost estimates and scope of work.



# Focus Projects for this Ten-Year Plan Update

- The SNHPC did not propose any new projects for this update of the Ten-Year Plan. Rather, we have focused on supplementing three existing Ten-Year Plan projects to ensure that the projects are appropriately funded and completed on schedule.
- **Bedford (40664)** - U.S. Route 3 Widening from Hawthorne Dr. to Manchester Airport Access Rd.
- **Bedford (41859)** - NH 114 Corridor Study
- **Windham (40665)** - NH Route 28/Roulston Road Intersection Improvements



## Bedford (41859)

- **NH Route 114 Corridor Study (Scope Expansion)**
  - In the last Ten-Year Plan update cycle, the SNHPC added a Corridor Study of NH Route 114 from NH Route 101 to Mast Road (requested by the Town of Bedford).
  - The Corridor Study is currently programmed for \$350,000 in FY 2021.
  - **The Town of Goffstown has requested that the limits of the NH Route 114 Corridor Study be extended from Mast Road to Henry Bridge Road in Goffstown.**



## Bedford (41859)

- **NH Route 114 Corridor Study (Scope Expansion)**
  - Existing Programmed Ten-Year Plan Funding: \$350,000 in FY 2021.
  - SNHPC (VHB) Estimate: The scope can be extended to Henry Bridge Road within the existing programmed funding for the project.
  - NHDOT Comments: NHDOT concurs with the SNHPC that the scope can be extended to Henry Bridge Road within the existing programmed funding for the project.
  - **Conclusion: The FY 2021-2030 Ten-Year Plan will include the scope expansion to Henry Bridge Road.**



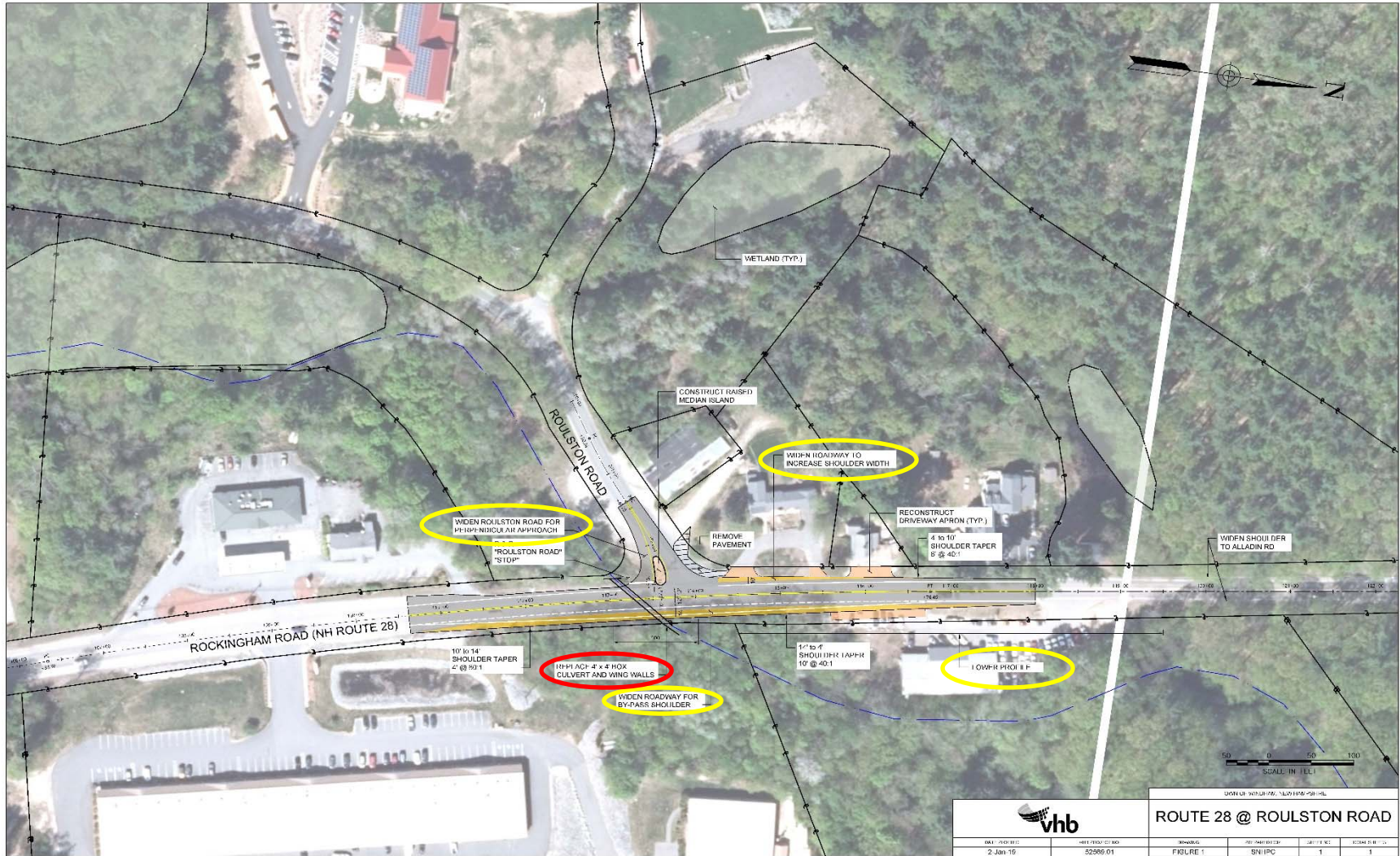
## Windham (40665)

- **NH Route 28/Roulston Road Intersection Improvements (Supplemental Funding)**
  - In the 2017-2026 Ten-Year Plan, the SNHPC added a project in the Town of Windham to complete intersection improvements at NH Route 28/Roulston Road.
  - The project is currently programmed for \$233K with construction scheduled for FY 2026.
  - **SNHPC staff internally identified that supplemental funding would be necessary to deliver this project as envisioned.**





# Windham (40665)





## Windham (40665)

- **NH Route 28/Roulston Road Intersection Improvements (Supplemental Funding)**
  - Existing Programmed Ten-Year Plan Funding: Total of \$233,454 with construction in FY 2026.
  - SNHPC (VHB) Estimate: \$1,198,000
  - NHDOT Comments: The existing box culvert may need to be upsized to a bridge structure. NHDOT believes that lowering the profile on NH 28 may bring the total cost to approx. \$1,500,000.
  - Conclusion: A portion of the SNHPC's regional allocation will be used to bring the total funding programmed for the project to approximately \$1,500,000 with construction in FY 2026.



## Bedford (40664)

- **U.S. Route 3 Widening from Hawthorne Dr. to Manchester Airport Access Rd. (Supplemental Funding)**
  - In the 2017-2026 Ten-Year Plan, the SNHPC added a project in the Town of Bedford to widen U.S. Route 3 from Hawthorne Drive to the Manchester Airport Access Road.
  - The project is currently programmed for \$5.54 Million with construction scheduled for FY 2026.
- **SNHPC staff internally identified that supplemental funding would be necessary to deliver this project as envisioned.**



## Bedford (40664)

- **U.S. Route 3 Widening from Hawthorne Dr. to Manchester Airport Access Rd.**
- Design Assumptions for Cost Estimate:
  - Four lanes with 12' width
  - Raised median (14') with sloped granite curb
  - Shoulders (5' on outside, 2' along median) with curb on outside
  - Sidewalks
  - Upgrade traffic signals at Technology Drive and Hawthorne Drive (north)
  - New signals at Autumn Lane and Hawthorne Drive (south)



## Bedford (40664)

- **U.S. Route 3 Widening from Hawthorne Dr. to Manchester Airport Access Rd. (Supplemental Funding)**
  - Existing Programmed Ten-Year Plan Funding: Total of \$5,539,860 with construction in FY 2026.
  - SNHPC (VHB) Estimate: \$16,400,000 (in 2019 dollars)
  - NHDOT Comments: NHDOT concurs with the SNHPC estimate, but given the complexity and ROW needs of the project, they will target construction for 2028-2029. Cost estimate translates to \$20,502,973 in year-of-expenditure dollars.
  - Conclusion: Remaining SNHPC regional allocation (after Windham) will be committed to this project. But, additional supplemental funding will be needed in the next cycle.



# Additional Considerations

- **Old County Road North (over Collins Brook) Bridge in Francestown**
  - The Town of Francestown coordinated with the NHDOT throughout 2016 and 2017 to enlist the Old County Road North (over Collins Brook) Bridge on the State Aid Bridge Program.
  - During this time period, the longtime administrator of the NHDOT's State Aid Bridge Program retired, and the bridge was inadvertently left off the program.
  - The Town of Francestown has requested that the SNHPC formally request the inclusion of this bridge on the State Aid Bridge Program as part of our regional Ten-Year Plan priorities.



# Regional Ten-Year Plan Priority Recommendations

1. Expand the scope of the NH Route 114 Corridor Study to Henry Bridge Road in Goffstown within the existing funding for the project.
2. Add supplemental funding to Windham (40665) as necessary to reach programmed funding of approximately \$1.5 Million in year-of-expenditure dollars.
3. Use the remaining funding in the SNHPC's regional allocation to add supplemental funding to Bedford (40664).
4. Formally request that the Old County Road North (over Collins Brook) Bridge in Frankestown be included in the State Aid Bridge Program.



**Questions?**