Governor's Advisory Commission on Intermodal Transportation

2021-2030 Draft Ten Year Plan Overview Public Hearings

Fall 2019



Strategies - Draft Ten Year Plan

- Focus on Pavement Preservation
- Focus on Red List Bridges & Bridge Preservation
- Dedicate SB367 funds for TIFIA loan pledged rural roads & bridges
- Completion of I-93 Salem to Manchester & Increase funding for I-93 Exit 4A Derry-Londonderry
- Financially Constrain to \$183M/yr level federal funding
- Include \$50M for RPC projects in 2029/2030 (\$25M/yr)
 - Received \$74M in project requests from 9 RPC's
 - Allowed future RPC allocation pledges to fully fund projects

Strategies - Draft Ten Year Plan

- Address major project cost increases
 - Exit 4A, Bow-Concord, Interstate 4R projects
- GARVEE bonding
 - Current TYP \$70M GARVEE
 - · Lebanon-Hartford & Hinsdale-Brattleboro bridges
 - Draft TYP \$80M GARVEE
 - Hinsdale-Brattleboro , Seabrook-Hampton
- Delay Bow-Concord by 2 years to 2026
- Transfer 25% (\$2.2M) of CMAQ to other Federal Categories
- Maintain and extend all programs by 2 years
- Invest additional SB367 revenue in paving to improve projected condition
- Increase investment in Bridge preservation & Resurfacing programs to mitigate inflation impacts

TYP Funding Synopsis

Federal Highway Funding- Typ. Annual Utilization FAST Act Federal Funding approximately \$183M/year

Paving & Bridge Projects (avg.):

- \$107M
- Mandated Federal (CMAQ, TA, SPR, HSIP, LTAP, etc): \$31M
- GARVEE Debt Service through 2025:

\$24M

Annual Dedicated Funding:

\$162M/year

Individual Roadway Projects (remainder funding): avg. - \$21M/year



TYP Funding Synopsis

Betterment Funding \$24 M/year

Preservation & Maintenance (Roads & Bridges)

Turnpike Funding for Capital & Tpk. Renewal & Replacement - averages \$67 M/year

SB367 Funding for I-93 Expansion, SAB, TIFIA DS

- \$32M per year net of Municipal Block Grant Aid
- State Aid Bridge: \$6.8M/year
- I-93 Debt Service: Averages \$2.0M/year (thru 2025)
- TIFIA Pledged Paving & Bridge Work: \$14M/year (paving)
 - \$ 9M/year (bridges)
- I-93 Debt Service 2026-2034 increases to \$23.4M/yearNen Hampshire

Funding Synopsis - Other Modes

Airport - FAA

- Total of \$288M programmed in TYP (Average \$28M/yr.)
- 14 Project Locations in TYP listed by town & airport name

Transit - FTA

- Total of \$312M programmed in TYP (average \$31M/yr.)
- Approx. 60% (\$18.5M/yr.) to small urban, Nashua UZA & Boston UZA public transit providers
- Approx. 40% (\$12.5M/yr.) to rural transit, seniors & individuals with disabilities
- SB 241- adds the Capitol Corridor project development phase

Funding Synopsis - Other Modes

Rail

- Total of \$10.5M programmed in TYP (average \$1M/yr.)
 - \$600K/year maintenance & construction on state-owned rail lines
 - \$1.5M every 3 years capital work on Class III and Cog RR

Active Transportation

- \$4.75M Fed funds annual allotment to TA, RecTrails programs
 - on-and off-road pedestrian and bicycle facilities, rail trail improvements, and safe routes to school projects.
- Approx. \$7M over 28 projects in 2019 (4% of Federal Funds)
 - sidewalks, signals, shoulder widening, sidewalk curb ramps striping, bus pullouts & shelters, park n rides, refuge islands

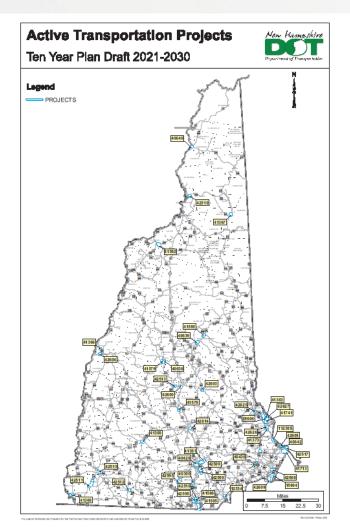
Funding Synopsis - Other Modes

\$173M Active Transportation

- \$141M 46 Individual projects with Active Transportation components
- \$33M 3 Programs (ADA, TA, & RCRTL) that have Active Transportation focus

Active Transportation Categories

- Bike/Ped
- Trail/Path
- Complete Streets
- Curb Ramps
- Sidewalks



Program funding changes

- \$10M/year added to resurfacing program in 2029 & 2030
- \$6.5M/year added to Bridge preservation programs in 2029 & 2030
- SB367 revenue \$2M/yr. added through 2025, \$1.5M/yr. 2026-30 to resurfacing program
- Betterment revenue \$1M/yr. added through 2030 to resurfacing
- 5 Red List bridges added to the two outer years
- 1 Interstate rehabilitation project (4R) added to 2030 -\$17M
- CMAQ program reduced by \$2.2M/year to \$8.9M/yr

<u>Draft TYP (2021 – 2030) Funding</u>

DRAFT 2021-2030 Ten Year Plan All Funding

FISCAL			I-93	MANDATED	INDIVIDUAL					DEBT	GRAND
YEAR	PAVEMENT	BRIDGES	EXPANSION	FEDERAL	PROJECTS	ROADSIDE	RAIL	TRANSIT	AIRPORTS	SERVICE	TOTAL
2021	86.39	128.93	30.11	31.26	66.05	11.78	0.60	29.48	45.97	22.00	452.58
2022	71.26	99.00	14.90	31.26	88.93	12.17	2.10	30.17	24.96	23.47	398.22
2023	75.70	99.59	12.50	31.43	91.09	12.63	0.60	30.79	39.33	24.38	418.05
2024	83.18	82.54	12.50	31.26	87.58	12.06	0.60	31.43	28.06	25.27	394.47
2025	92.00	70.20	0.00	31.26	102.92	12.14	2.10	32.08	33.91	24.80	401.40
2026	80.72	84.13	0.00	31.26	81.64	14.06	0.60	32.74	17.39	29.16	371.71
2027	80.93	75.41	0.00	31.32	82.44	14.04	0.60	33.39	21.83	29.04	368.99
2028	72.04	90.56	0.00	31.14	92.67	14.06	2.10	34.07	28.76	28.90	394.31
2029	84.54	88.10	0.00	31.14	60.44	17.92	0.60	33.66	18.65	28.77	363.83
2030	98.72	64.56	0.00	32.63	56.01	14.06	0.60	34.32	31.24	26.03	358.16
Total	825.48	883.02	70.00	313.95	809.77	134.90	10.50	322.13	290.12	261.81	3921.70
% Grand Total	21.0%	22.5%	1.8%	8.0%	20.6%	3.4%	0.3%	8.2%	7.4%	6.7%	100.0%

[~] Dollars include indirect costs and inflation (2.80%)

12-Aug-19

FY21-FY30 Estimated Program Expenditures

- Pavement (state & federal) averages \$83M per year
- Bridges (state & federal) averages \$88M per year
- I-93 Expansion \$70M over ten-year period
- Mandated Federal averages \$31M per year
- Individual Projects-\$810M over ten-year period
- Transit & Airports \$612M over ten-year period
- Total Program \$3.92Billion



[&]quot;Totals adjusted in individual years to account for estimated bridge work

Category Expenditure Comparison

DRAFT 2021-2030 Ten Year Plan All Funding

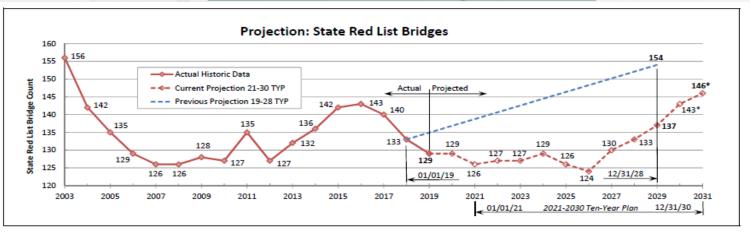
TVD	DANGMENT	PRIDGES	I-93	MANDATED	INDIVIDUAL	DO A DOIDE	5411	TRANCIT	AUDDODTO	DEBT	GRAND
TYP	PAVEMENT	BRIDGES	EXPANSION	FEDERAL	PROJECTS	ROADSIDE	RAIL	TRANSIT	AIRPORTS	SERVICE	TOTAL
2021-2030	825.48	883.02	70.00	313.95	809.77	134.90	10.50	322.13	290.12	261.81	3921.70
2019-2028	774.99	764.13	80.53	321.07	846.61	93.68	12	320.51	256.11	275.92	3745.54
Difference	50.49	118.89	-10.53	-7.12	-36.84	41.22	-1.50	1.62	34.01	-14.11	176.16

08/12/19

\$3.92 Billion Transportation program - \$176M increase over current TYP

- Pavement \$50M increase State & Federal funding sources
- Bridges \$119M increase Bridges moved from Individual projects & M&P program increases
- Roadside \$41M increase Included Tpk. R&R roadside allotment
- Airport \$34M increase additional funding

Red List Projection



State-Owned Counts	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Poor Count ("4" or less)	127	135	127	132	136	142	140	140	133	129
Fair Count("5")	254	261	267	271	286	295	295	300	305	310
Fair Count("6")	527	522	517	508	517	506	535	544	561	572
Good Count ("7"or greater)	1189	1191	1206	1216	1193	1194	1163	1150	1137	1127
Black (non-hwy/closed)	30	27	26	26	23	23	23	24	25	24
Total State-Owned Count	2127	2136	2143	2153	2155	2160	2156	2158	2161	2162

Based on recommended level of investment in draft TYP of \$77m/year on average the number of State Red List Bridges (SRL)

- Drops to a low of 124 by 2026
- Increases to 146 by 2030
- HB1817 & SB367 investments in bridges is making a difference
- Investment in preservation is reducing the number coming on (\$17M/year)
- 125 of 129 red list bridges listed in 2019 will be addressed

Current SRL bridge total – 129 (2019)

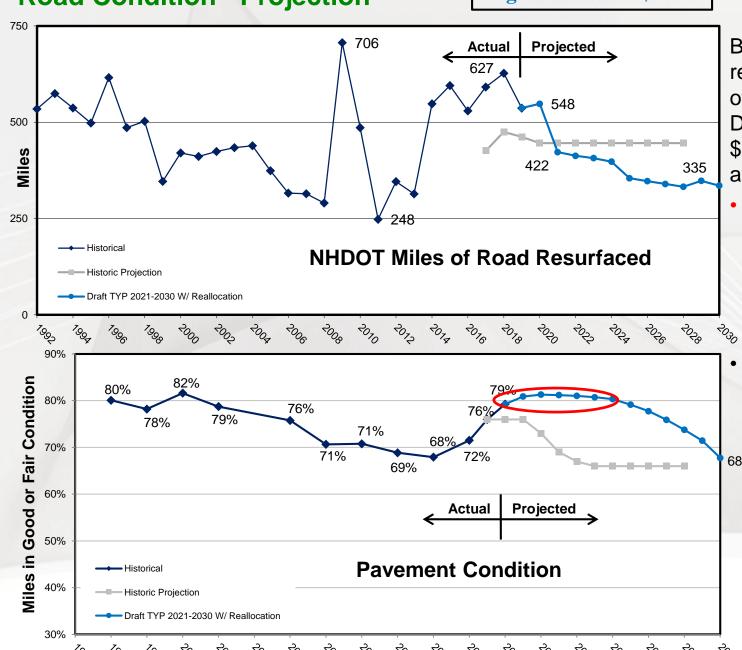
Bridges added to SRL by 2030 - 192

- Approx. 60% of bridges rated "5" are expected to come on SRL
- Bridges expected to be removed from SRL by 2030 175
 - 84 removed by Bridge Maintenance forces
 - 91 removed by TYP projects



Road Condition - Projection

Avg. Investment=\$74M



Based on the recommended level of investment in the Draft TYP of \$74M/year on average

- Conditions for the next 5 years are expected to be 80% good/fair – above average
 - Conditions in the later years are expected to decline by 15% to 68% good/fair



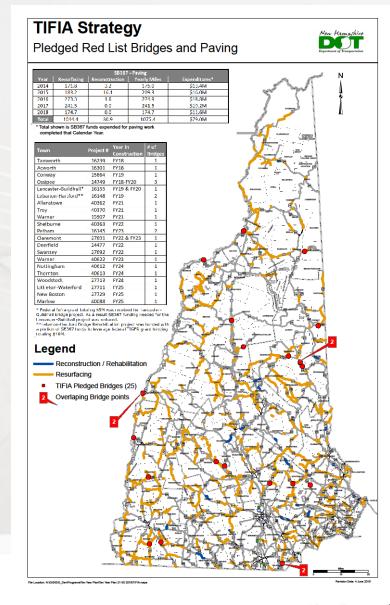
SB367 Funding-TIFIA Pledge for Rural Roads & Bridges

Paving Summary (2175 miles of paving estimated)

- Completed 1075 miles (\$79.0M) between 2014-2018
 - 93% of 1160 miles p/vp roads in 2014
- Estimated additional paving 1100 miles (\$90M) through 2030

Bridge Summary (25 red list bridges)

- <u>2 completed</u> (Tamworth & Acworth)
- <u>7 in construction</u> (Conway, Ossipee(3), Lancaster-Guildhall, *Lebanon-Hartford (2))
- 13 in design (Allenstown, troy, Warner, Shelburme, Pelham (2), Claremont, Deerfield, Swanzey, Warner, Nottingham, Thornton, Woodstock)
- <u>3 in planning</u> (Littleton-Waterford, New Boston, Marlow)



New Hampshive
Department of Transportation

Draft TYP (2021 – 2030) Funding

													2021-20: Program														
								Į	Highway a	and	Bridge												Ot	her	Modes		
							Highway													No	n-Highw	ay F	unded				
FY	Ē	IWA ^{1,4,5}	Major Bridge Projects GARVEE	Bet	tterment ²	s	AB ^{2,9}	1-9	93 Debt ervice	P Pa	TIFIA ledged aving & Bridge	Ma	ther ³ atching unds	Sub	Total		'urnpike ⁷ provement	To	ırnpike R&R	ı	Rail ⁵	т	ransit ⁶	Þ	Airport	TYP FY Total	% of Tota Progra
2021	\$	206.97	\$ 14.84	\$	24.05	\$	20.84	\$	2.15	\$	21.27	\$	14.23	\$ 3	304.35	\$	48.94	\$	24.35	\$	0.66	\$	28.48	\$	45.80	452.58	11.59
2022	\$	203.46	\$ -	\$	24.05	\$	10.88	\$	2.20	\$	23.45	\$	3.05	\$ 2	267.08	\$	61.11	\$	13.90	\$	2.10	\$	29.17	\$	24.85	398.22	10.2%
2023	\$	194.86		-	24.05	-	9.37	\$	2.20	\$	26.05	\$	4.41		270.94	\$	63.10		14.40		0.60	-		\$	39.20	418.05	10.7%
2024	\$	190.91	•	\$	24.05	-	8.50	-		\$	23.77		2.50		265.40	\$	57.21		13.30		0.60		30.43		27.54	394.47	10.1%
2025	\$	196.62	•		24.05		8.50			\$	19.70		3.19		262.41	\$	58.73		13.60		2.10		31.08		33.48	401.40	10.2%
2026	\$	189.37			24.05		8.50	-		\$	1.50		0.34		260.82	\$	47.56	-	13.80		0.60		31.74	-	17.19	371.71	9.5%
2027	\$	191.33	•	\$	24.05		8.50	\$		\$	1.50		0.17		248.95	\$	51.12	-	14.10		0.60		32.39		21.83	368.99	9.4%
2028	\$	193.43		\$	24.05	-	8.50	\$		\$	1.50		1.61		252.49	\$	63.48		14.40		2.10		33.07		28.76	394.31	10.1%
2029	\$	192.72		\$		\$	8.50	\$		\$	1.50		4.52		254.69	\$	42.52		14.70		0.60	-	32.66		18.65	363.83	9.3%
2030 Program Total	\$	189.55 1,949.21	\$ - 60.13	\$	24.05 240.50	\$	8.50 100.59	\$	23.41 127.96	\$	1.50 121.74	\$	0.05 34.08	-	247.06 634.20	\$	30.94 524.70	\$	15.00 151.55	\$	0.60 10.56	\$	33.32 312.13	\$	31.24 288.56	358.16 3.921.70	9.1%
% of Total Program		74.0%	2.3%		9.1%		3.8%		4.9%		4.6%	1	1.3%		0.0%												
Revenue ⁸	\$	1,940.54	\$60.13		\$240.50				\$360.71				\$34.08	\$	2,636	\$	524.70	\$	151.55	\$	10.56	\$	312.13	\$	288.56	\$3,923.46	
						÷	535.96												100		287.50						
urplus/(Deficit		(\$8.67)	\$0.00		\$0.00		10.43						\$0.00	\$	1.75	\$	-	\$	-	\$	•	\$	-	\$		\$ 1.75	
						Ş	1.75		18														46.				
	2. I 3. 7 4. I 5. I 6. S 7. I 8. I	Betterment Fotal composition FHWA cates Self-funded Proposed T FHWA Reve	nts based or program ma rised from p ude inflation gories includ FTA prograi urnpike Cap enue based c ; 2023 fundi	roje roje les a ms a ital p	ained at cu ct matchin approximat and project program, a AST Act an	tely stand participation	t budget sts Maine \$1.16 mill e limited projects that ated appo	leve e, Ve lion to a hat r	ls and SAE ermont, ot annually t vailable fu may be co onments b	B protection according to accor	ogram inco states, ar ddress rai s ructed und d on FY 20	nd mu ilroad der cu	unicipalit I crossing urrent to	ties gs oll stru	ucture (<i>r</i>	no to		prog	ram								
~ Dollars includ	e inc	lirect costs	and inflatior	n (2.	80%)			Dol	lars in Mil	llion	S)	Moexug-
		N /C:11		ſ	D = 11																				1	_	

Rainbow Chart Comparison



\$3.92 Billion Transportation program - \$176M increase over current TYP

- FHWA \$95M increase utilizing discretionary funding
- Betterment \$16M increase new revenue estimates (gas tax)
- TIFIA Debt Service \$43M increase 2 additional years of principal payments
- Turnpike Capital \$31M increase I-93 Bow-Concord project (add 2 years of CON)
- Airport \$32M increase additional funding



2021-2030 TYP - RPC Priorities

Region	# Projects	Total Fed \$
Central NH RPC	1	\$ 4,419,996
Lakes Region PC	3	\$ 5,109,680
NorthCountry Council	2	\$ 6,106,086
Nashua RPC	5	\$ 6,175,897
Rockingham PC	6	\$ 6,673,836
Southern NH PC	2	\$ 8,553,635
Strafford RPC	4	\$ 4,901,449
Southwest RPC	2	\$ 4,289,235
Upper Valley RPC	1	\$ 3,770,186
	26	\$ 50,000,000

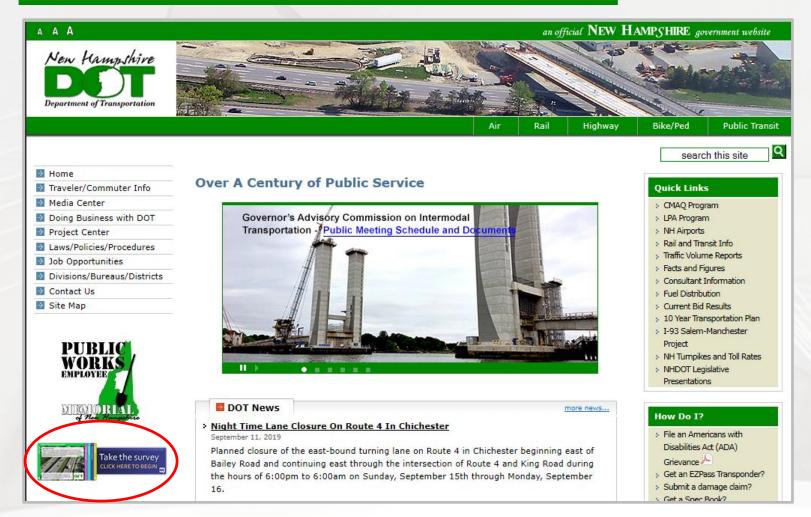
Regional Planning Commission TYP Philosophy & Priorities



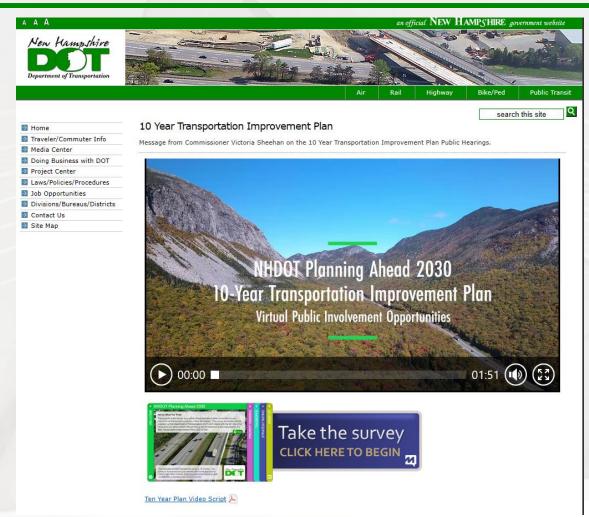
Virtual Public Involvement

- Transportation Survey 12 questions +/- (10 minutes)
 - What's important to you
 - High level prioritization
 - Trade-off questions ...do you prefer option 1 or 2 w/ weighting
 - Mobile device capable
- Brief video introduction to the survey
- GACIT Hearing Presentation with voiceover posted to TYP website (coming soon)

Virtual Public Involvement



Virtual Public Involvement



Ten Year Plan Process Pursuant to RSA 228:99 and RSA 240

- June 19th & July 31st Initial GACIT meetings
- August 8, 2019 Meetings with RPC Executive Directors
- August 14, 2019 GACIT Meeting #3 NHDOT Draft TYP (2021-2030) Release
- August 28, 2019 GACIT Meeting #4 final discussions
- September October 2019 Public Hearings
- November 2019 GACIT meetings and revisions
- December 2019 Governor's review and revisions
- January 2020 Governor's Draft TYP transmittal to Legislature
- January May 2020 Legislative review & revisions
- June 2020 Final TYP (2021-2030) Adopted into Law

THANK YOU

Send written comments to:

William E. Watson, P.E. Administrator
Bureau of Planning and Community Assistance
New Hampshire Department of Transportation
7 Hazen Drive P.O. Box 483 Concord, NH 03302-0483

or

bill.watson@dot.nh.gov

comments should be received no later than **November 12, 2019**

visit this site for additional information

