

House Public Works and Highways Committee

HB 2024

2025-2034 Draft Ten Year Plan

Work Session

February 21, 2024

Ten Year Plan Website – NH Department of Transportation

<https://www.dot.nh.gov/projects-plans-and-programs/ten-year-plan>

Discussion Items

- Glossary of Acronyms
- Discretionary Grants
- Paving Program
- Red listed bridges
- Project Public Involvement
- Boston Express Status
- Capital Corridor Project
- Gas tax breakdown
- DOT Administrative Recommendations and Amendments

Acronyms

Entities

- GACIT - Governors Advisory Commission on Intermodal Transportation
- NHDOT - New Hampshire Department of Transportation
- RPC - Regional Planning Commissions
- FHWA - Federal Highway Administration
- FTA - Federal Transit Administration
- FAA - Federal Aviation Administration
- FRA - Federal Railroad Administration

Miscellaneous

- TYP - Ten Year Plan
- HWY - Highway
- TPK – Turnpike
- FY - Fiscal Year
- SFY - State Fiscal Year
- \$B = Billions - \$M = Millions

Acronyms

Funding Sources

- BET - Betterment
- BRGBIL - BRG (Bridge) + BIL (Bipartisan Infrastructure Law)
- CMAQ – Congestion Mitigation and Air Quality Program
- IJA – Infrastructure Investment and Job Act
- MOBIL - Municipal Owned + BIL (Bipartisan Infrastructure Law)
- NEVI - National Electric Vehicle Infrastructure
- PROTECT - Promoting Resilient Operations for Transformative, Efficient and Cost-saving Transportation
- SAB - State Aid Bridge
- SB367 - Senate Bill 367 (4.2 cents gas tax)
- TA – Transportation Alternative Program
- TIFIA - Transportation Infrastructure Finance and Innovation Act

Discretionary Grants

(Not Typically budgeted in TYP until funded)

36% of IIJA Funding Nationwide = \$900B (FHWA)

- PROTECT (1,2,3)
- Wildlife Crossing Pilot Program (1,2,3)
- Safe Streets and Roads for All (1,2)
- Charging and Fueling Infrastructure (1,2,3)
- National Electric Vehicle Program (1,3)
- Congestion Relief Program (1,2,3)
- Bridge Investment Program (1,2,3)
- Reconnecting Communities Pilot Program (1,2,3)
- Rural Surface Transportation Grants (1,3)
- National Infrastructure Project Assistance – MEGA,INFRA,RURAL (1,2,3)
- Local and Regional Project Assistance Program – RAISE (1,2,3)
- Reduction of Truck Emissions at Port Facilities (1,2,3)

1 - Community Eligible

2 – MPO Eligible

3 – State Eligible

Discretionary Grants

Safe Streets for All (SS4A) (Direct Recipients)

		<u>Award</u>
2022	City of Keene	\$350,000
2022	Rockingham Planning Commission	\$220,000
2022	Town of Haverhill	\$200,000
2022	City of Franklin	\$80,000
2023	Sullivan County	\$320,000
		<hr/> \$1,170,000

Rebuilding American Infrastructure with Sustainability and Equity (RAISE)

2021	City of Manchester (Direct Recipient)	\$25,000,000
2022	City of Berlin (Direct Recipient)	\$19,500,000
2023	General Sullivan Bridge (Newington-Dover 11238S)	\$20,000,000
		<hr/> \$64,500,000

Better Utilizing Investments to Leverage Development (BUILD - Formerly Tiger)

2019	Hinsdale-Brattleboro	\$12,000,000
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Transportation Investment Generating Economic Recovery (TIGER)

2009	I-89 Lebanon-Hartford	\$10,000,000
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Discretionary Grants

Culvert Aquatic Organism Passage (AOP)

2022	Dover (Direct Recipient)	\$421,600
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Congressional Directed Spending (CDS) Funds

2023	Bethlehem - Profile Safe Route to School (NH097)	\$419,250
2023	Warner - Lake Sunapee Rail Trail @ Exit 9 (NH096)	\$1,203,200
2023	Whitefield - Union Street Water and Storm Drainage Rehab (NH095)	\$1,400,000
2022	Dover - Central Ave Complete Streets (NH094)	\$4,500,000
2022	Nashua - Walnut Street Oval (NH093)	\$1,000,000
2022	Keene - Transportation Heritage Trail (NH092)	\$394,800
2022	Hanover - Multi-Use Path (NH091)	\$350,000
2022	Berlin - Mason Street Bridge (NH090)	\$600,000
2022	Lebanon - Mechanic Street Sidewalk Project (NH089)	\$290,250
2022	Nashua - Cotton Mill Transfer Bridge ADA Accessibility (NH088)	\$300,000
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		\$10,457,500

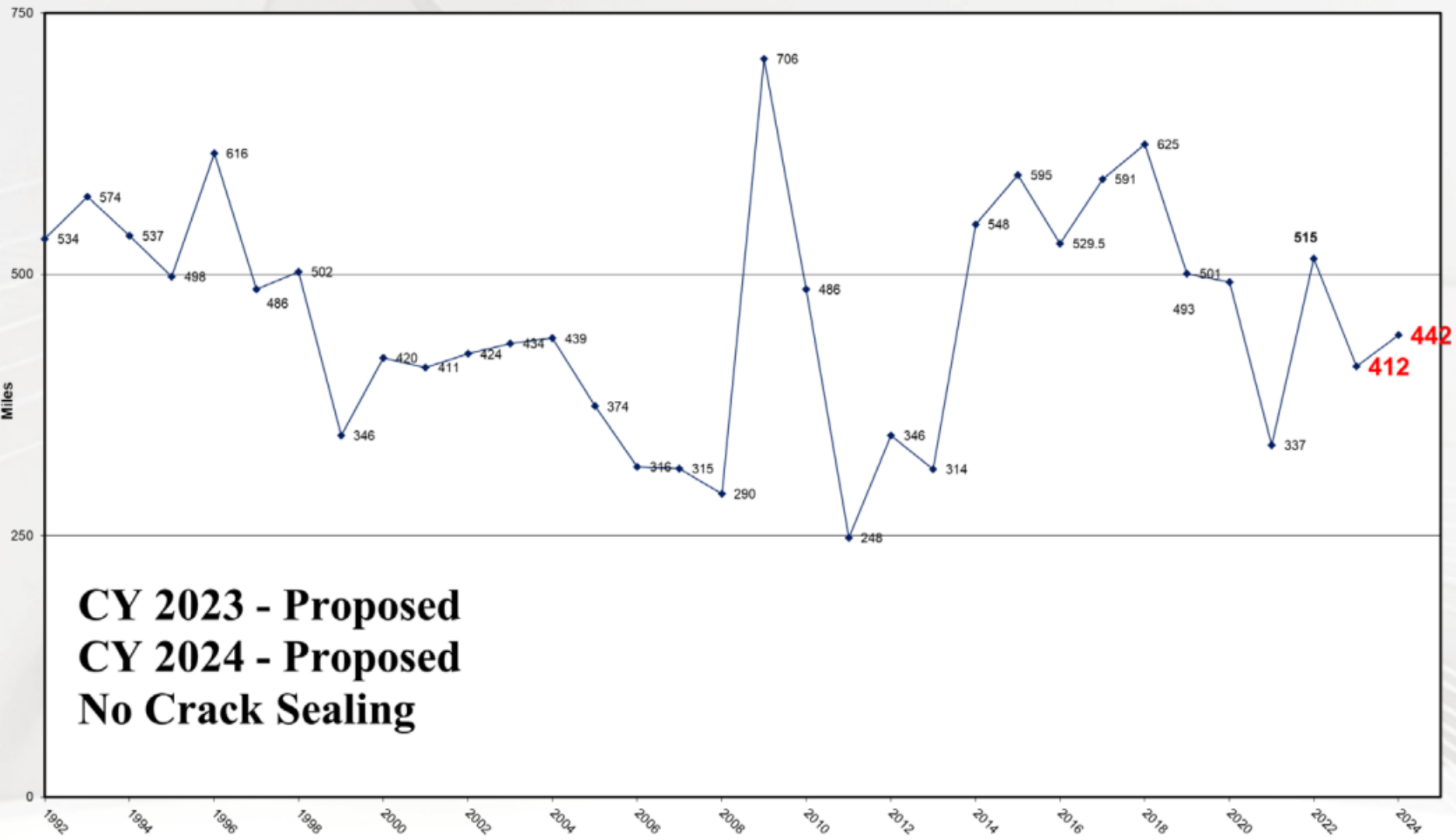
Total Grant Award \$98,549,100

DOT Recent Grant Applications

<i>Date Requested</i>	<i>Project</i>	<i>Project Description</i>	<i>Grant</i>	<i>Project Cost</i>	<i>Grant Amount Requested</i>	<i>Date Received (or anticipated)</i>	<i>Amount Received</i>
<u>Grants Awarded</u>							
2022	Rye 43002	Replacement and upsizing of culverts (3) for fish passage	NOAA-Fisheries Habitat Restoration	\$3,220,608	\$2,876,442	4/1/2023	\$2,876,442
2023	Stratham 43001 TBD	Replace charging station in Bedford, NH	NEVI Electric Vehicle Charger Reliability and Accessibility Accelerator	\$854,260	\$683,408	12/31/2023	\$ 683,408
							\$3,559,850
<u>Grants Pending</u>							
2023	North Hampton - Rye 42312	Route 1A sea wall revetment reconstruction	PROTECT	\$25,300,000	\$20,250,000	2/1/2024	Pending
2023	Cabinet Security 44756	Design and installation of cabinet security statewide.	AID	\$1,000,000	\$1,000,000	Pending	Pending
2024	RWIA 12 New 44754	Design and Installation of 12 RWIS.	ATTAIN	\$2,000,000	\$2,000,000	Pending	Pending
2024		Upgrade 6 signals along NH 101A in Amhearth, Merrimack, Nashua.	ATTAIN	\$6,000,000	\$6,000,000	Pending	Pending
2024	Hampton 40797	Lidar/radar Hampton - Ocean Boulevard	RAISE 24	\$40,000,000	\$20,000,000	Pending	Pending
<u>Grants Not Awarded</u>							
2021	Portsmouth-Kittery 15731	Functional Replacement for the PDA-DPH side barge wharf, SML Bridge ROW Mitigation (South Extension only)	Port Infrastructure Development Program (PIDP)	\$14,400,000	\$10,400,000	12/22/2022	\$0
2023	TBD	Four Charging Stations in Northern NH	NEVI CFI	\$5,280,000	\$4,224,000	12/1/2023	\$0
2023	Stratford 44464 Northumberland 44462	Replacement and upsizing of culverts (3) for animal & fish passage	WCPP-Wildlife Crossing Pilot Program	\$5,802,319	\$4,835,266	12/8/23 - not recieved, will try next year	\$0

3. Historic Paving (1992-2024)

NHDOT Miles of Road Resurfaced



CY 2023 - Proposed
CY 2024 - Proposed
No Crack Sealing

Downward trend since 2018

2. Network Comparison (2014 vs. 2022)

Good: +14%

Fair: +4%

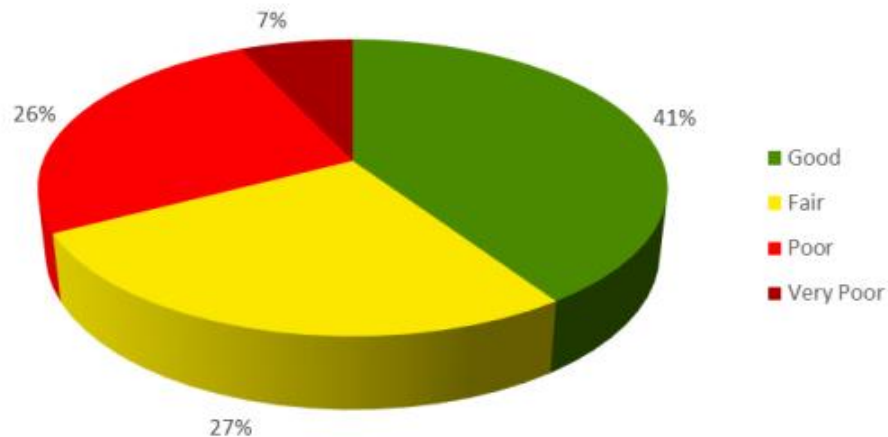
Poor: -13%

Very Poor: - 6%

SAME!

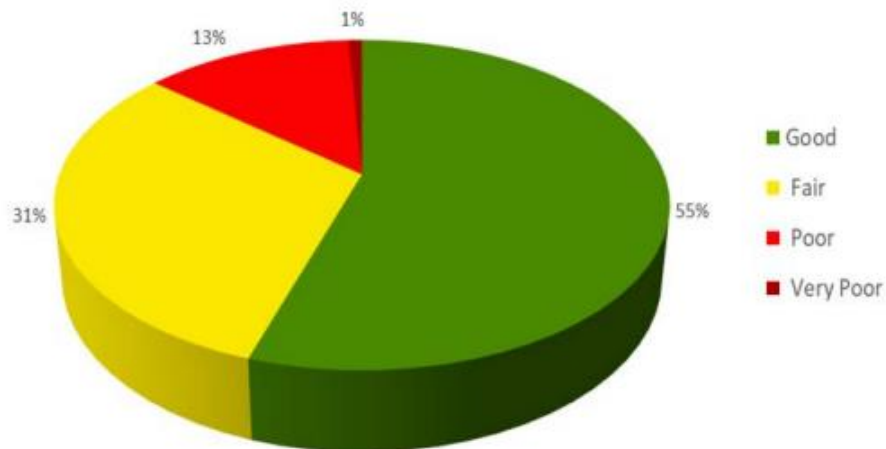
Only possible with
planned & sustained
investments!

2014 STATEWIDE CONDITION (IRI)



2014

2022 STATEWIDE CONDITION (IRI)

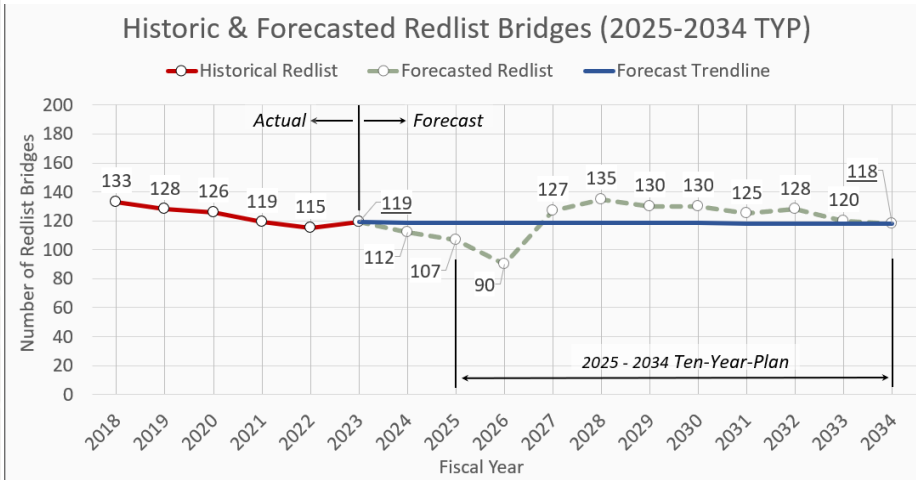


2022

2023 Data Is Not Yet Available

State of the Infrastructure – Red Listed Bridges

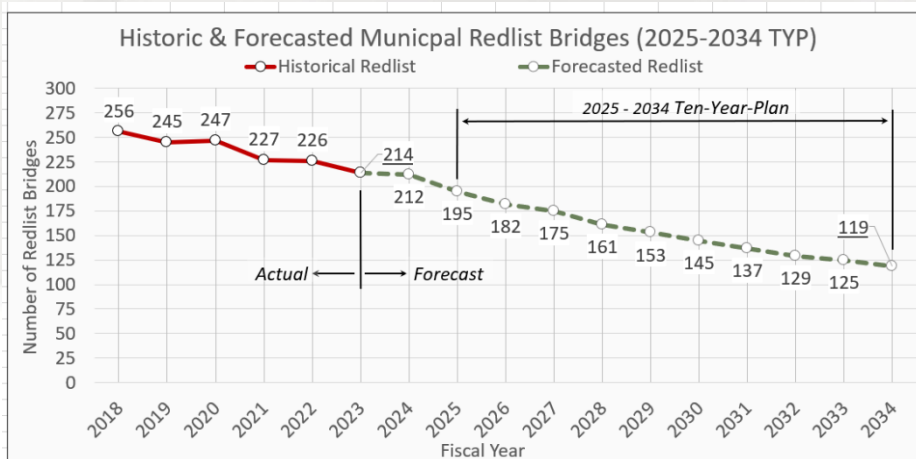
State Red Listed Bridges



State Red Listed Bridge Summary

- Additional \$156M State Bridge Investment
- Bridges removed from State red list 138
- Predicted 118 remain at end of Draft TYP

Municipal Red Listed Bridges



Municipal Red List Bridge Summary

- 214 municipally owned, red-listed bridges.
- 43 already enrolled with the NHDOT for rehabilitation or replacement.
- 56 additional bridges recently enrolled with NHDOT for rehabilitation or replacement.

Project Public Involvement

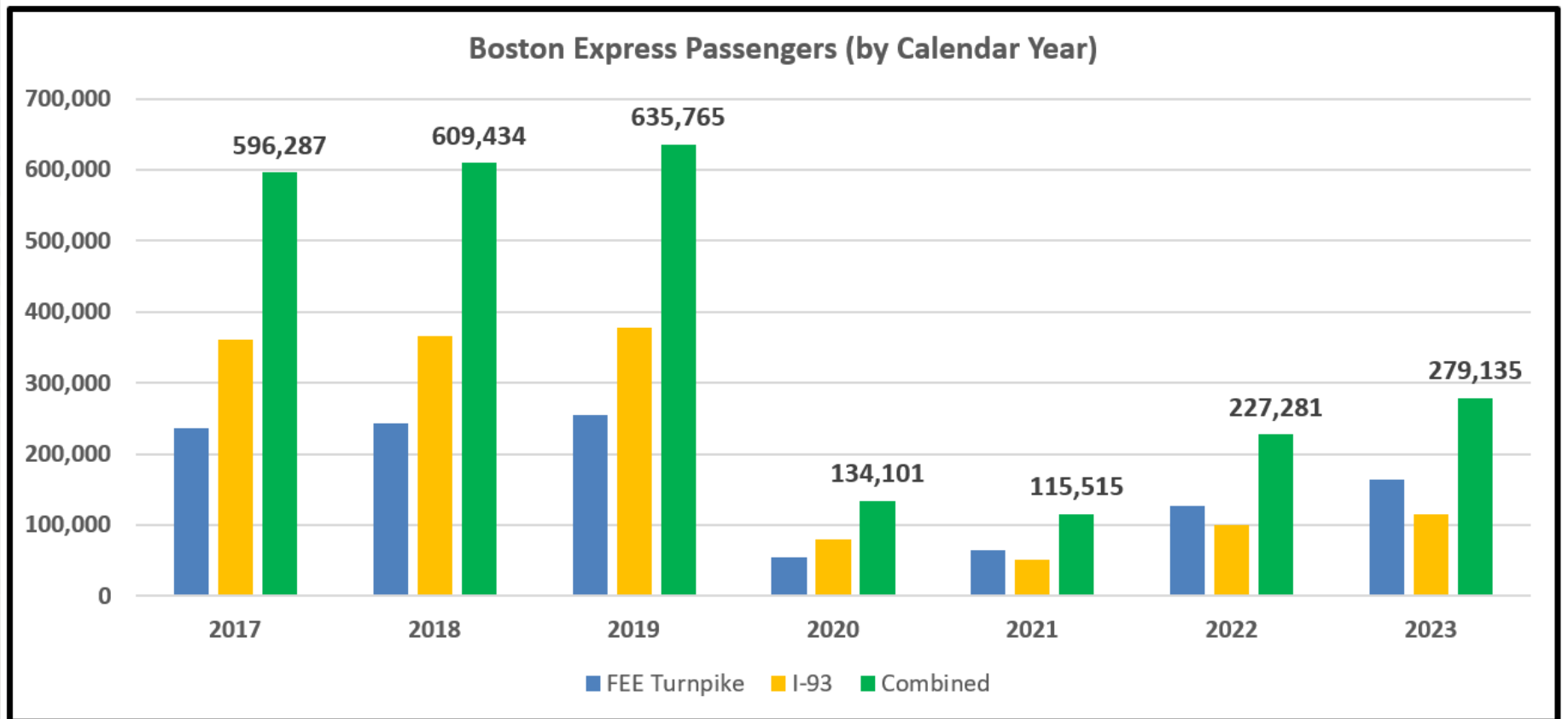
STEPS IN PROJECT DEVELOPMENT PROCESS

- 1 Project Scoping/Data Collection/Coordination**
- 2 Preliminary Engineering Studies/
Environmental Evaluation**
- 3 Identification of a Preferred Alternative/Draft
Environmental Documentation**
- 4 Formal Public Hearing Process**
- 5 Selected Alternative/Final Environmental
Documentation**
- 6 Development of Project Construction Plans/
Acquisition of Right-of-Way**
- 7 Construction of Project**

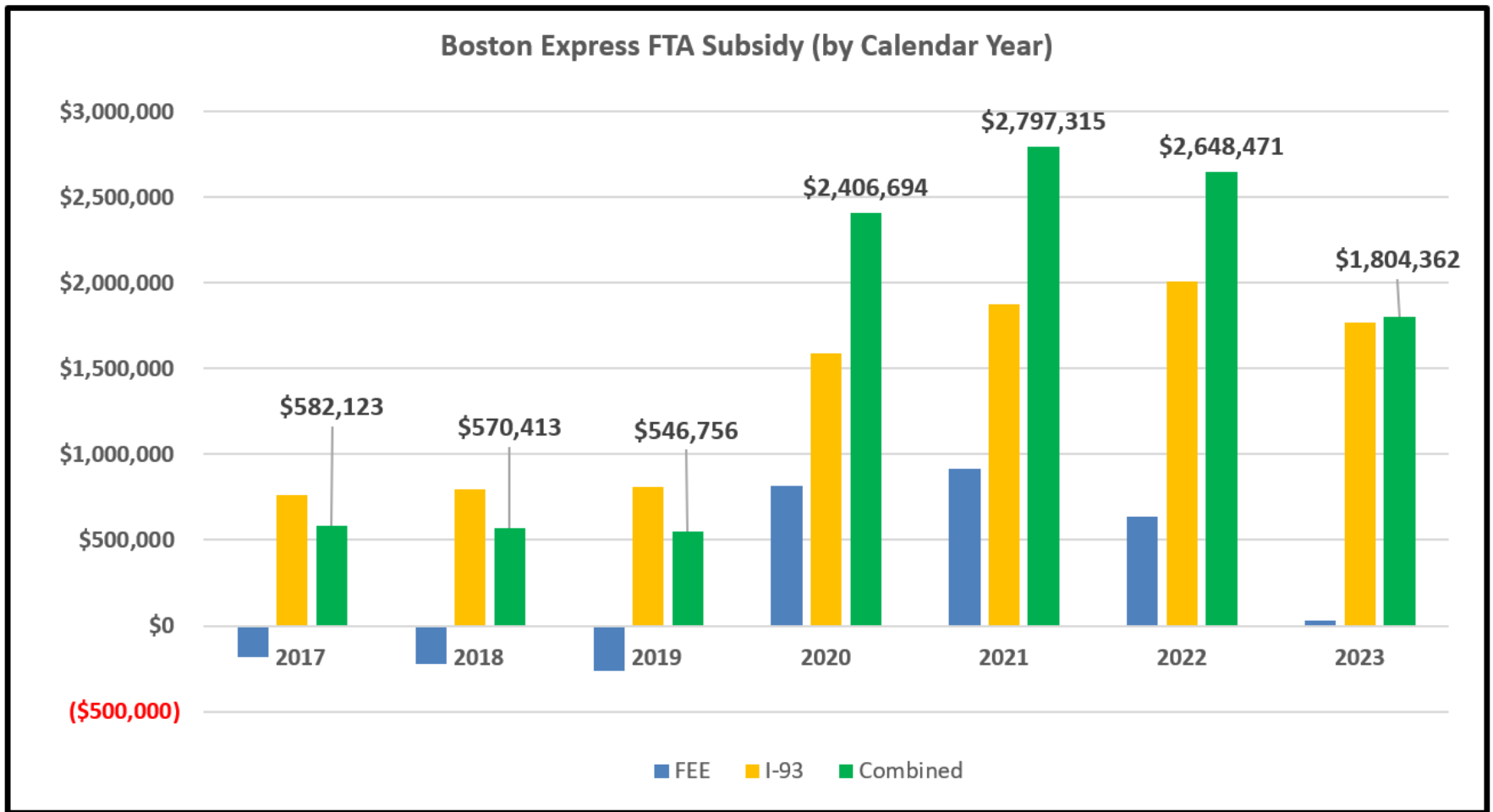
Project Public Involvement

- Public Involvement is Project Dependent
- Typical Public Involvement Could Entail:
 - After data collection, “blank sheet meeting”
 - Stakeholder/Project Advisory Committee
 - During Alternative Studies
 - Public Officials Meeting
 - Public Informational Meeting
 - Preferred Alternative Selected
 - Public Informational Meeting
 - Public Hearing (if acquiring property rights)

Boston Express



Boston Express



Capitol Corridor Project Summary

- Total Contract (FTA Funds) = \$5.4M
 - Completed core components of the study = \$4.6M
- Remaining funds = \$861K
 - Split between Nashua Transit and Manchester Transit Authority for FTA eligible activities
- Additional work is required to complete the New Start grant application = approx. \$861K

Gas Tax (Road Toll) Revenue

Cost of Collection-Road Toll Bureau-Dept. of Safety (1)	0.3 cents
Block Grant Aid to Municipalities (2)	2.7 cents
Highway and Bridge Betterment (3)	2.6 cents
I-93 Debt Service/State Bridge Aid (4)	3.7 cents
Operating Costs- DOT and DOS (5)	12.9 cents
Total Road Toll	22.2 cents

Average distribution is based on percentage of revenue.

DOT Administrative Recommendations

PROJECT NAME	PROJECT NUMBER	PROJECT AMENDMENT
DOT ADMINISTRATIVE PROJECT UPDATES		
Recommend projects to add ¹ - \$12.2M		
CLAREMONT	27691	Add Project - NH 12A, bridge rehabilitation carrying NH 12A over Sugar River - \$1.7M
LONDONDERRY	41715	Add Project - Operational and capacity improvements at the intersection of NH 28 & Stonehenge Road. - \$3.9M
NORTH HAMPTON	24457	Add Project - Superstructure replacement of bridge carrying US 1 over Boston & Maine RR (Red List Bridge) - \$5.6M
NORTH HAMPTON	43938	Add Project - Culvert replacement of an approximate 4' x 4' concrete/stone box culvert - \$1.0M

1 - Project dollars are within Ten Year Plan Years 2025 - 2034

DOT Administrative Recommendations

PROJECT NAME	PROJECT NUMBER	PROJECT AMENDMENT
DOT ADMINISTRATIVE PROJECT UPDATES		
Recommend projects to remove ^{1,2} - \$111.3M		
GOFFSTOWN	41597	Remove Project - Bridge Replacement-Center Street over Harry Brook- Br. (Withdrawn - LPA) - \$1.3M
MANCHESTER-HOOKSETT	42753	Advanced Project - Address Preservation needs on 5 bridges in Manchester & Hooksett on I-93 NB - \$4.0M
MERRIMACK	41588	Safety & capacity improvements to the US3/Wire Road intersection (Withdrawn - Combined with Merrimack 29174) - \$1.2M
MOULTONBOROUGH	41580	Remove Project - Complete street improves in Moultonborough Central Village from Blake Rd to Old Rte. 109 (~.5m) (Withdrawn - Low priority for the town) - \$1.6M
SALEM	42884	Advanced Project - Improve signal operation at 28 intersections to identify hardware and software upgrades needed. - \$1.5M
STATEWIDE, RED LIST BRIDGES	40817	Remove Project - To rehabilitate and reconstruct state red list bridges (Withdrawn) - \$96.2M - Funds transferred to Bow-Concord (13742)
SURRY	41470	Remove Project - Address bridge carrying NH 12 over NHRR (Abandon) (Withdrawn LPA) - \$1.3M
WATERVILLE VALLEY	43734	Remove Project - Reconstruct 3,406 LF of road to include bike/ped lane on Valley Rd, Tecumseh Rd, Snow's Brook Rd (Withdrawn LPA) - \$1.3M

1 - Project dollars are within Ten Year Plan Years 2025 - 2034

DOT Administrative Amendments

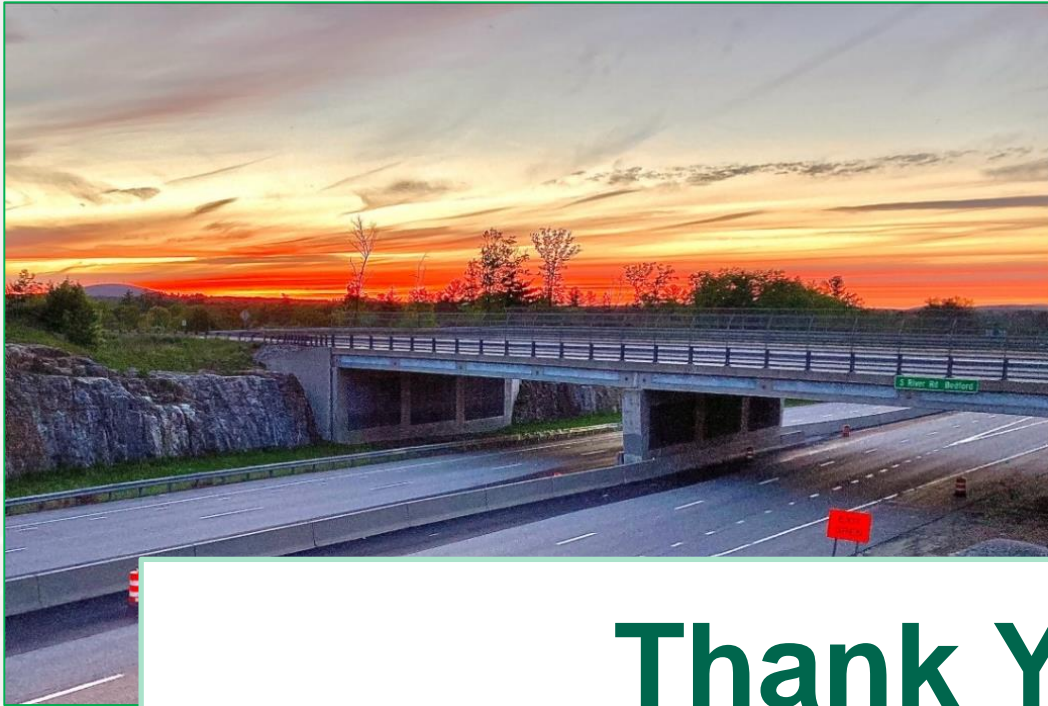
PROJECT NAME	PROJECT NUMBER	PROJECT AMENDMENT
DOT ADMINISTRATIVE PROJECT UPDATES		
Recommend Projects to Update ^{1,2} \$154.3M		
BOW - CONCORD	13742	Update Cost - I-93 widening from south of I-89 to Exit 14 (Toll) and Exit 14 to Merrimack River Bridge (FHWA) - \$97.5M. Funds transferred from Statewide Red List Bridges (40817)
CHARLESTOWN	40667	Update Cost -Reconstruct or Rehabilitate from NH 12A in Southern Charlestown to Almar Street (Approx 2.4 miles) - \$3.0M
CONCORD	41468	Update Cost -Address Priority Bridges carrying I-93 NB & SB over Merrimack River (136/117 & 136/116) in Concord - \$1.7M
CORNISH	44417	Update Cost - Address the Red List bridge (064/108) carrying Cornish Toll Bridge Road over Connecticut River - \$1.3M
DERRY-LONDONDERRY	13065B	Update Cost - Construction of a new connecting roadway from the I-93 Exit 4A 13065A project east (~ .4m) - \$4.5M
DOVER	41824	Update Cost - Bridge Superstructure Replacement for NH 16 NB (#106/133) and SB (#105/133) over Cocheco River - \$7.7M
DOVER - SOMERSWORTH - ROCHESTER HAMPTON	29604	Update Cost - NH108 Complete Streets improvement (U-3 alt Ext 10 study) from Indian Brook Rd. to Innovation Dr. (~ 5m) - \$15.9M
	40797	Update Cost - Improvements to NH 1A (Ocean Boulevard) from State Park Road to NH 27 (High St). - \$2.3M
MANCHESTER	16099	Update Cost - Preliminary Engineering & ROW for reconstruction of the F.E. Everett Turnpike at Exit 6 & 6 - \$4.9M
MANCHESTER	16099A	Update Cost - Reconstruct and widen Exit 6 (Amoskeag) in Manchester. - \$5.1
MANCHESTER	16099B	Update Cost - Reconstruct Exit 7 - \$2.5M
NASHUA-MERRIMACK-BEDFORD	13761A	Update Cost - FE Everett Turnpike widening of a 2-lane section from Exit 8 (Nashua) to Exit 10 (Merrimack). - \$1.5M
PORTSMOUTH	43760	Update Cost - Soundwalls/privacy fence along I-95 in Portsmouth - \$6.4M

1 - Project dollars are within Ten Year Plan Years 2025 – 2034

2 - Cost increases from scope changes and material cost escalation

DOT Administrative Amendments

PROJECT NAME	PROJECT NUMBER	PROJECT AMENDMENT
DOT ADMINISTRATIVE PROJECT UPDATES		
Administration Corrections		
NEW CASTLE, NH 1B CAUSEWAY	44493	Add project back to the Draft TYP - Modifications to the portion of Route 1B that runs from Goat Island to New Castle Island - Inadvertently removed.
PORTSMOUTH, NH - KITTELY, ME	44404	Remove Project - Underdeck painting of the bridge over Piscataqua River (High Level Bridge) Portsmouth (Withdrawn) - \$3.0M - Inadvertently Added



Thank You!

