STATE OF NEW HAMPSHIRE
INTER-DEPARTMENT COMMUNICATION

FROM: David S. Smith, P.E.
Assistant Administrator

DATE: January 29, 2016
AT (OFFICE): Bureau of Turnpikes

SUBJECT: Turnpike's Replacement and Renewal Program
Annual Report and Status Update

TO:
Victoria Sheehan, Commissioner
Christopher Waszczuk, Deputy Commissioner
William Oldenburg, Asst. Dir-Project Dvlpmt
John Corcoran, Jr., Admin-Turnpikes
Margaret Blacker, Turnpikes Bureau
Douglas Gosling, Admin-Bridge Maintenance
Steve Johnson, Bureau of Bridge Maint
William Cass, Asst. Commissioner
David Rodrigue, Director-Operations
William Boynton, Information Office
Marie Mullen, Director of Finance
Leonard Russell, Admin-Budget&Finance
William Lambert, Admin-Traffic
Eric Thibodeau, Material & Research

MEMORANDUM

Attached please find a status report for the Turnpike Renewal and Replacement (R&R) program. Funding under this program supports the continued need to sustain the turnpike infrastructure to a level whereby each component is in appropriate working order such that it provides the necessary level of service and requires only the anticipated maintenance that would be expected in the life cycle of the infrastructure. This infrastructure primarily includes pavements, bridges, drainage, signage and guardrail along 89 corridor miles of New Hampshire's Turnpikes. Additionally, the funding supports "buildings and grounds" and "real property" facilities including toll plazas, maintenance sheds, park and ride lots and a park facility.

Included in this R&R report is information relating to specific Turnpike assets and the program's project listing for FY 13 thru FY 19.

Funding levels for this program are approved through the legislative budget process and have been set at $9,700,000 and $9,600,000 for FY 2016 and 2017. These funding levels are consistent with the recommendations identified by HNTB, Inc in the January 2012 "New Hampshire Bureau of Turnpikes-Renewal and Replacement Program Assessment Report". An updated R&R program assessment report is anticipated to be completed by Fall 2016.

This "*January 2016-New Hampshire Bureau of Turnpikes-Renewal and Replacement Program Report*" document is also posted on the Bureau of Turnpikes internet website, on the "Capital Projects" page at http://www.nh.gov/dot/org/operations/turnpikes/capital.htm.

TURNPIKE SYSTEM

New Hampshire DOT
Department of Transportation

Legend

- N.H. Turnpike System
- Interstate System
- Exits

N

MAINE

SPAULDING TURNPIKE 33.2 MILES

EASTERN TURNPIKE

CENTRAL TURNPIKE 39.5 MILES

BLUE STAR TURNPIKE 16.2 MILES

MASS.

Turnpike Facts

658 Lane Miles
49 Interchanges
170 Bridges
84 Toll Lanes
9 Toll Plazas
3 Rest Area
6 Maintenances Facilities
6 Park & Rides
1 Recreational Park

December 2015

TPK webmap1-1215.vsd

October 2009

Turnpikes Renewal and Replacement Project Schedule

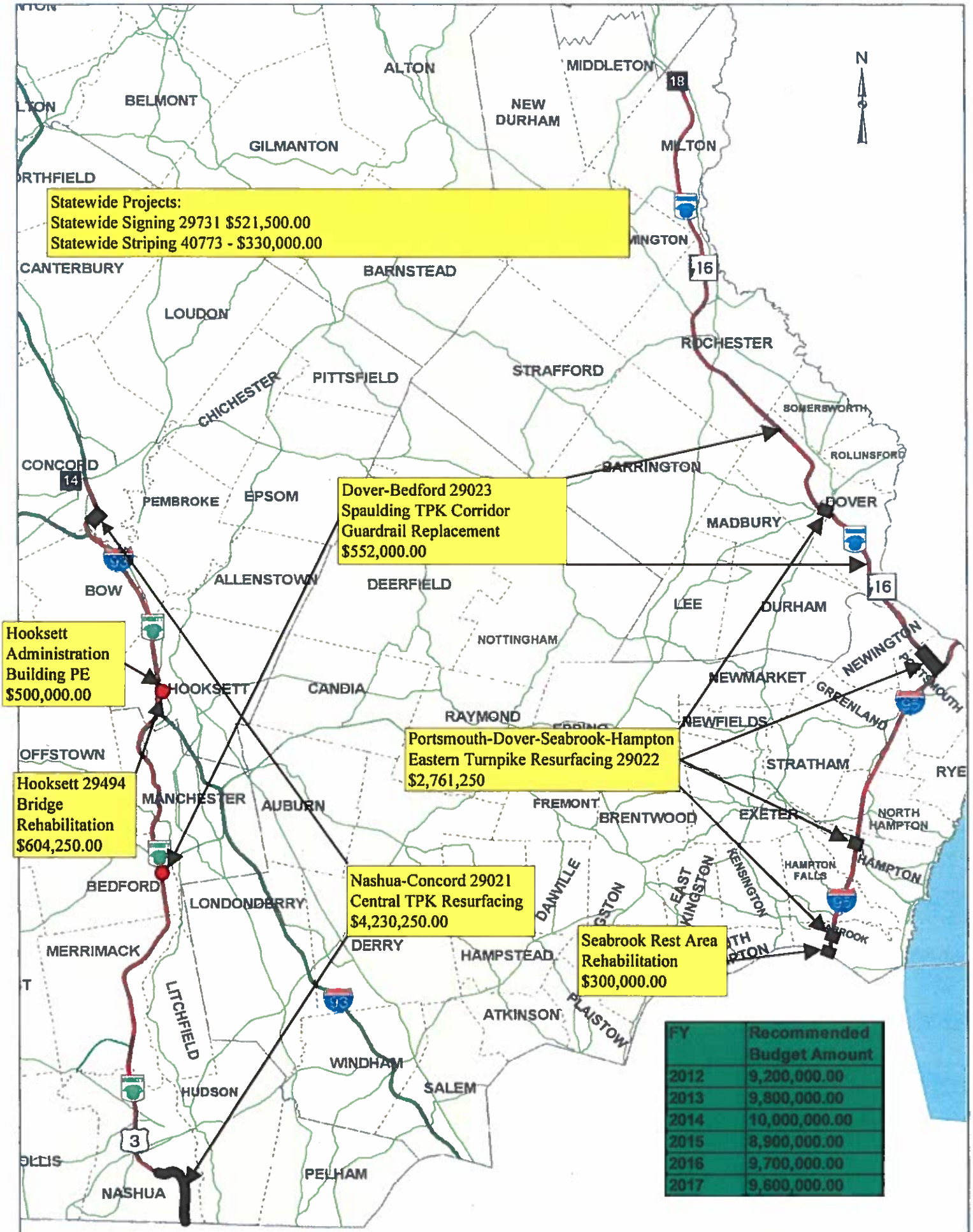
			HNTB Recommended Budget Amount - 2012 Assessment	9,700,000.00
			FY 2016	
Ad Date	**Project Name**	**Project No**	**Project Description**	**Estimate or Bid Cost (Bold)**
January 13, 2015	Hooksett	29494	Bridge Rehabilitation--Deck replacement for Toll Plaza Access Road over NB Off Ramp at I-93 Exit 11 Interchange	**604,241.05**
February 17, 2015	Nashua-Concord	29021	Central TPK Resurfacing: Nashua FEET NB/SB pavement from mm 0.0 to mm 3.0 and Concord mm 35.8 to 36.6	**4,230,229.25**
February 17, 2015	Portsmouth-Dover-Seabrook-Hampton	29022	Eastern Turnpike Resurfacing Portsmouth-Newington from mm 0.0 to mm 1.6, Spaulding Tpk NB and SB Ramps to I-95, Exit 1 Seabrook, Dover Exit 8 and Hampton Liberty Lane/Maintenance Parking lot	**2,761,206.42**
April 28, 2015	Statewide Signing	29731	Signing along FEET, Spaulding and I-95	**521,583.47**
May 19, 2015	Dover-Bedford	29023	Spaulding Turnpike (NH 16) Guardrail Replacement	**551,891.75**
November 8, 2015	Seabrook-Nashua	40268	Renovations to Seabrook Rest Area	**294,917**
February 9, 2016	Statewide Striping	40773	Striping along all Turnpike facilities	330,000
N/A	Hooksett	40772	Turnpike Admin Building Renovations (PE funding)	500,000
(Work by Bureau of Bridge Maintenance)	Merrimack	40354	Exit 10 and 11 Toll Plaza Slab Repairs	**9,181.81**
			FY 2016 Project Total	**9,803,250.52**
			Available from Total Budget Amount	(103,251)

Turnpikes Renewal and Replacement Project Schedule

			HNTB Recommended Budget Amount - 2012 Assessment	9,600,000.00
			FY 2017	
Ad Date	**Project Name**	**Project No**	**Project Description**	**Estimate or Bid Cost (Bold)**
February 2, 2016	Nashua-Merrimack	40036	Central Turnpike Resurfacing: Nashua FEET NB/SB MM 3 to 5.6; Merrimack Continental Blvd - NH 101A to Industrial Drive Intersection	**3,254,828.61**
February 2, 2016	Rochester-Milton	40038	Eastern Turnpike Resurfacing: Spaulding Tpk from MM 23.3 to 33.4	**3,981,872.81**
April 5, 2016	Statewide Signing	40044	Statewide Signing Improvements	550,000
April 19, 2016	Central Turnpike Drainage	29024	Inlet/Outlet Reconstruction and Sliplining at several locations	600,000
June 7, 2016	Manchester	40367	Black Brook Bridge Scour Repair	750,000
June 14, 2016	Nashua	68024A	Exit 8 P&R Renovations (20% Tpk match to FTA funds; $180k total)	36,000
June 28, 2016	Dover-Rochester-Milton	40040	Spaulding Tpk Guardrail Replacement	400,000
July 2016	Nashua	40855	Roofing Repairs at Nashua Maintenance Shed & Exit 7 DMV/WIC	100,000
(Green Mtn under TSMO Agreement)	Concord-Rochester	40046	Dynamic Message Sign-Conversion temporary to permanent installations	80,000
			FY 2017 Project Total	**9,752,701**
			Available from Budget Amount	(152,701)

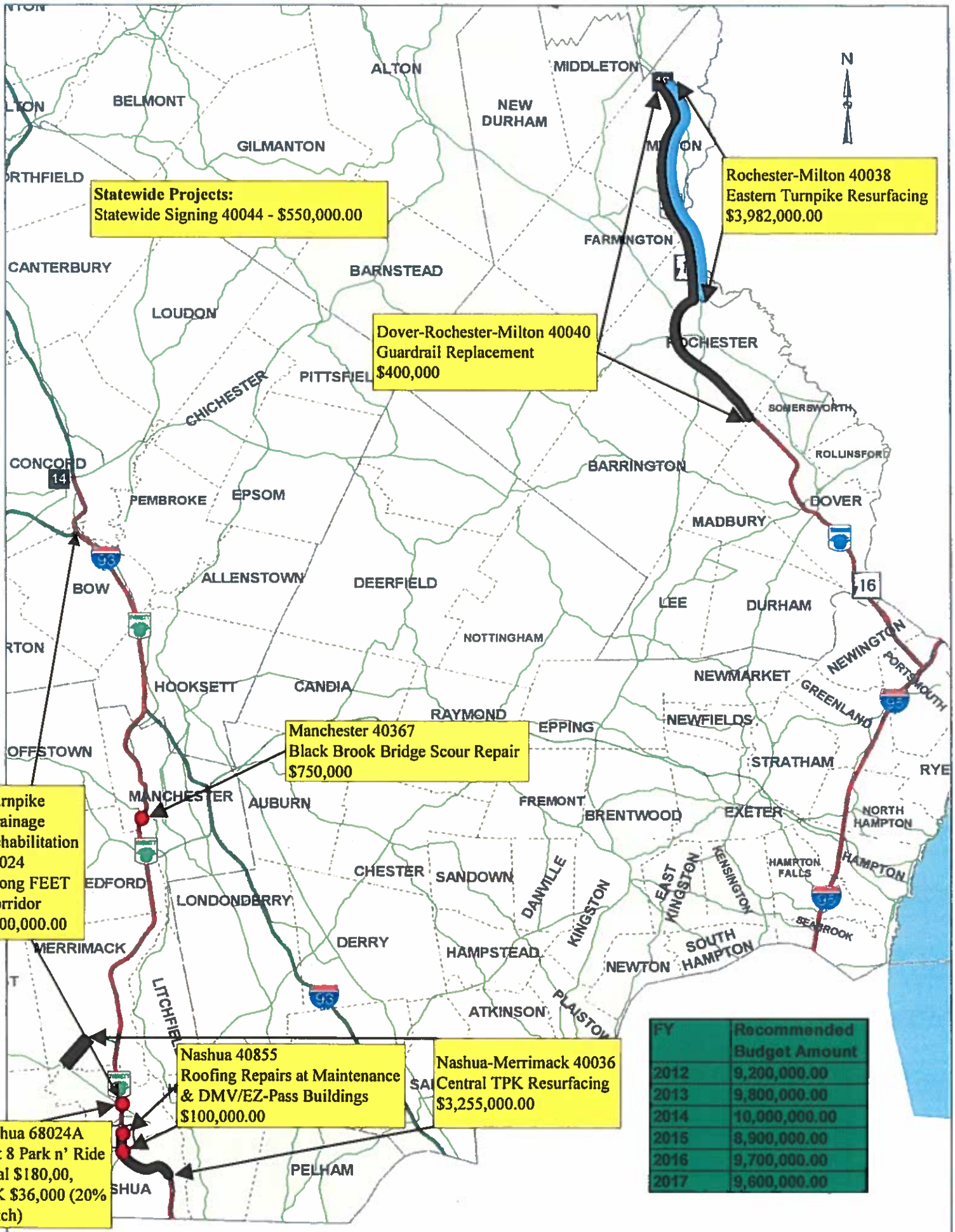
			HNTB Recommended Budget Amount - 2012 Assessment	11,500,000.00
			FY 2018	
Ad Date	**Project Name**	**Project No**	**Project Description**	**Estimate or Bid Cost (Bold)**
February 2017	Merrimack-Manchester	40771	Central Turnpike Resurfacing: Merrimack FEET NB/SB mm 13.2 to 16.2; Exit 12 Merrimack; Manchester I-293 mm 5.8 to 8.0	3,150,000
February 2017	Seabrook-Hampton Falls	40770	Eastern Turnpike Resurfacing: I-95 mm 0.0 to 3.4	3,400,000
February 2017	Statewide Striping	40773	Striping along all Turnpike facilities	300,000
June 2017	Hooksett	40772	Turnpike Admin Building Renovations (CON funding)	2,850,000
February 2018	Portsmouth-Kittery	16189	I-95 High Level Bridge Deck Rehabilitation	1,800,000
			FY 2018 Project Total	**11,500,000**
			Available from Budget Amount	0

			HNTB Recommended Budget Amount - 2012 Assessment	11,900,000.00
			FY 2019	
Ad Date	**Project Name**	**Project No**	**Project Description**	**Estimate or Bid Cost (Bold)**
July 2018	Portsmouth-Kittery	16189	I-95 High Level Bridge Deck Rehabilitation	1,800,000
February 2018	Nashua-Merrimack	TBD	Central Turnpike Resurfacing: FEET mm 7.6 to 11.7	3,300,000
February 2018	Hampton-North Hampton	TBD	Eastern Turnpike Resurfacing: I-95 mm 4.2 to 6.6	3,500,000
February 2018	Statewide Striping	TBD	Striping along all Turnpike facilities	300,000
April 2018	Statewide Signing	TBD	Statewide Signing	550,000
May 2018	Central Tpk Drainage Repair	40042	Central Turnpike Drainage Repair	500,000
June 2018	Statewide Guardrail	TBD	Statewide Guardrail Replacement	450,000
June 2018	Statewide Bridge Painting	40603	I-95 Bridge Painting	1,500,000
			FY 2019 Project Total	**11,900,000**
			Available from Budget Amount	0



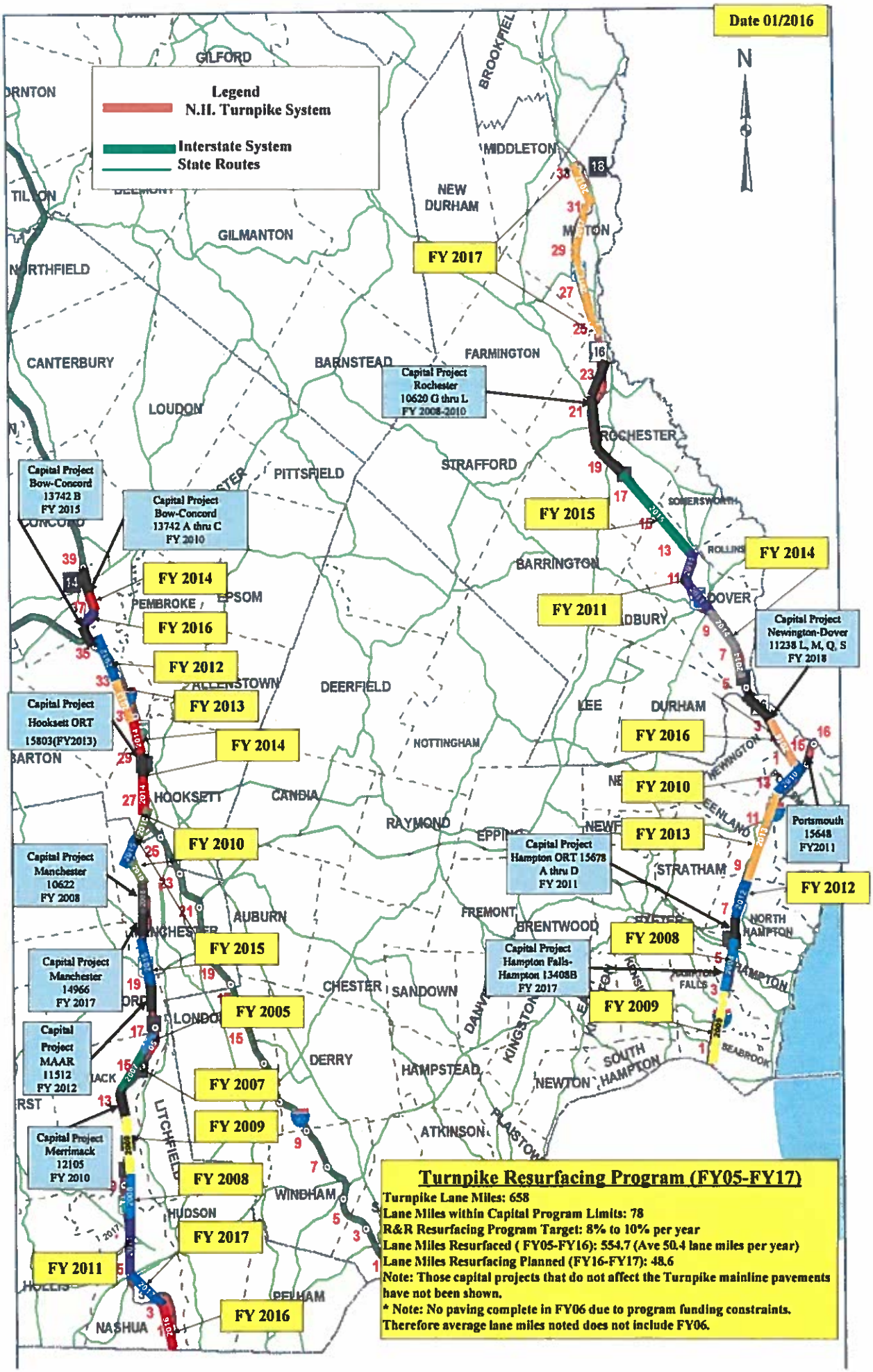
FY	Recommended Budget Amount
2012	9,200,000.00
2013	9,800,000.00
2014	10,000,000.00
2015	8,900,000.00
2016	9,700,000.00
2017	9,600,000.00

State of New Hampshire Turnpike System Renewal & Replacement Program Projects FY 2016.

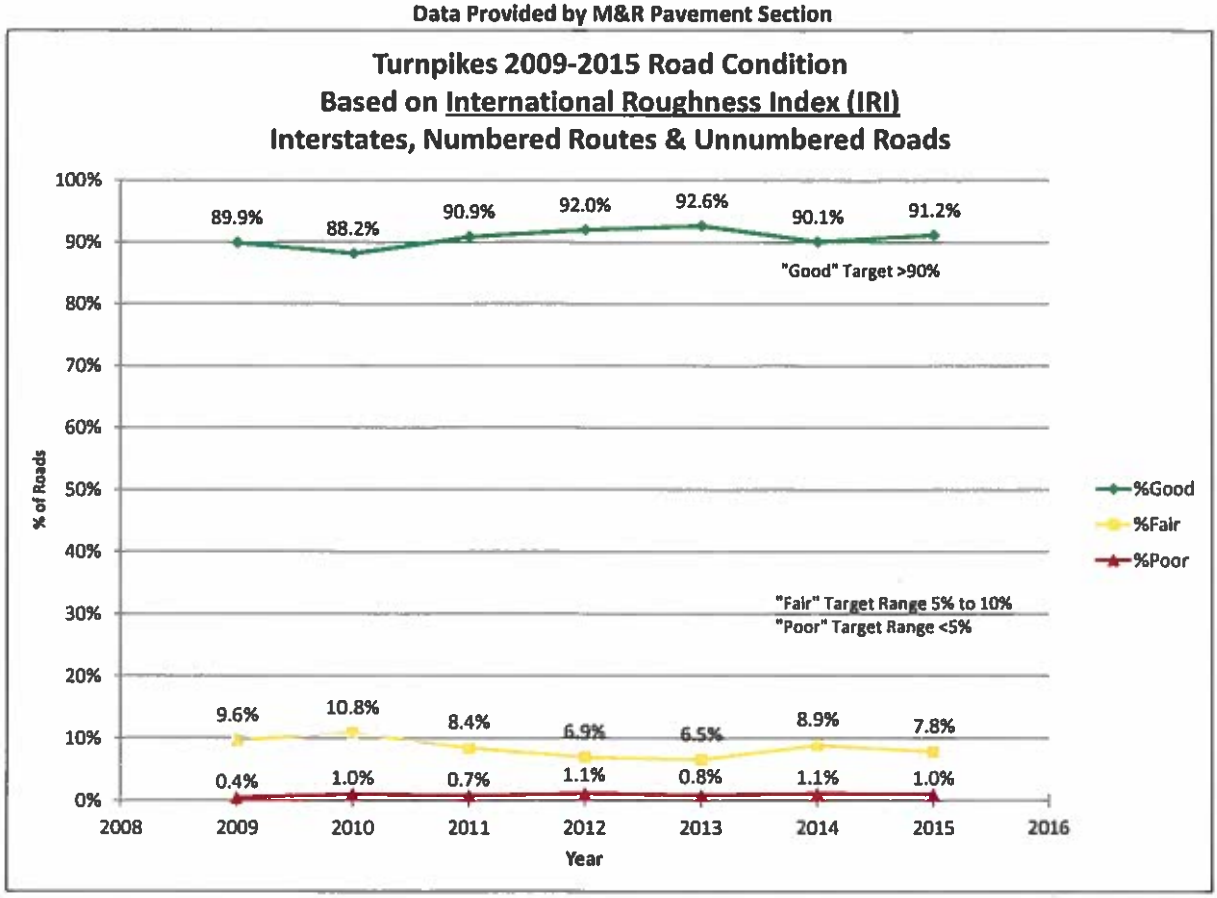


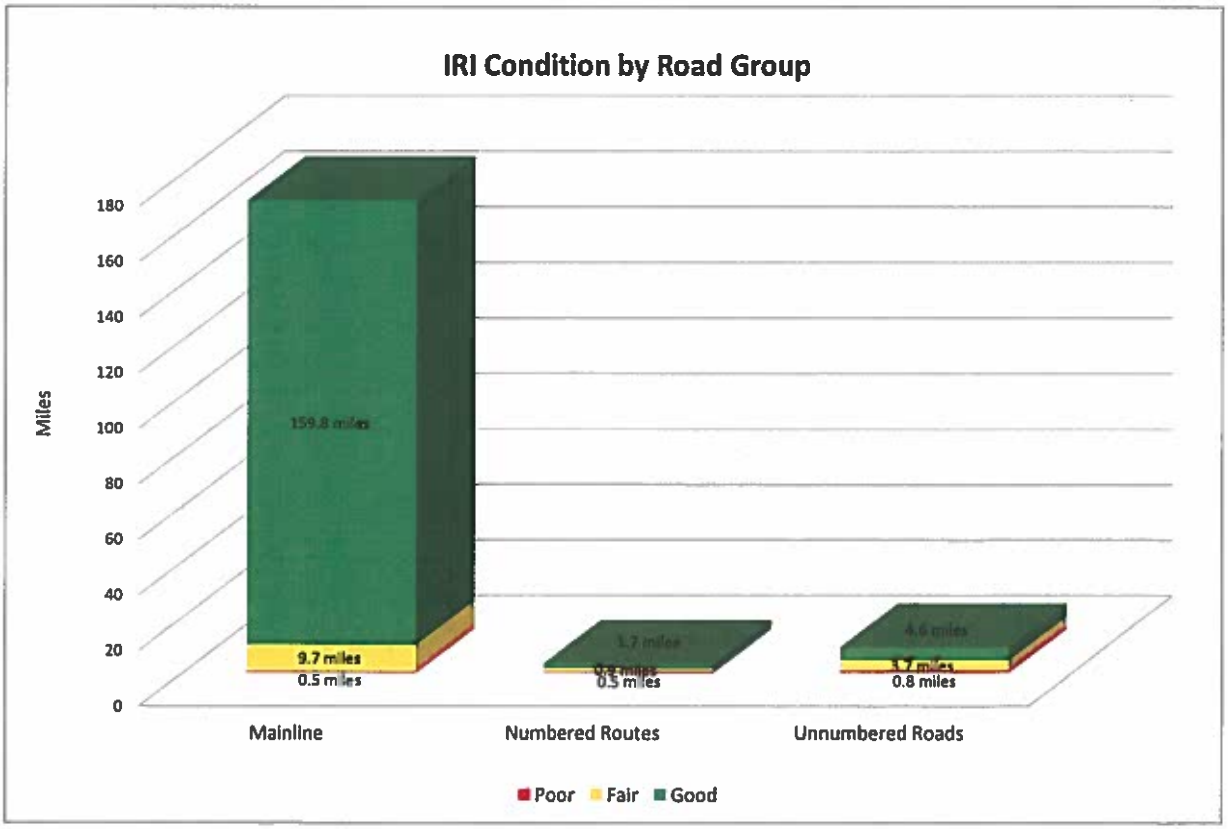
FY	Recommended Budget Amount
2012	9,200,000.00
2013	9,800,000.00
2014	10,000,000.00
2015	8,900,000.00
2016	9,700,000.00
2017	9,600,000.00

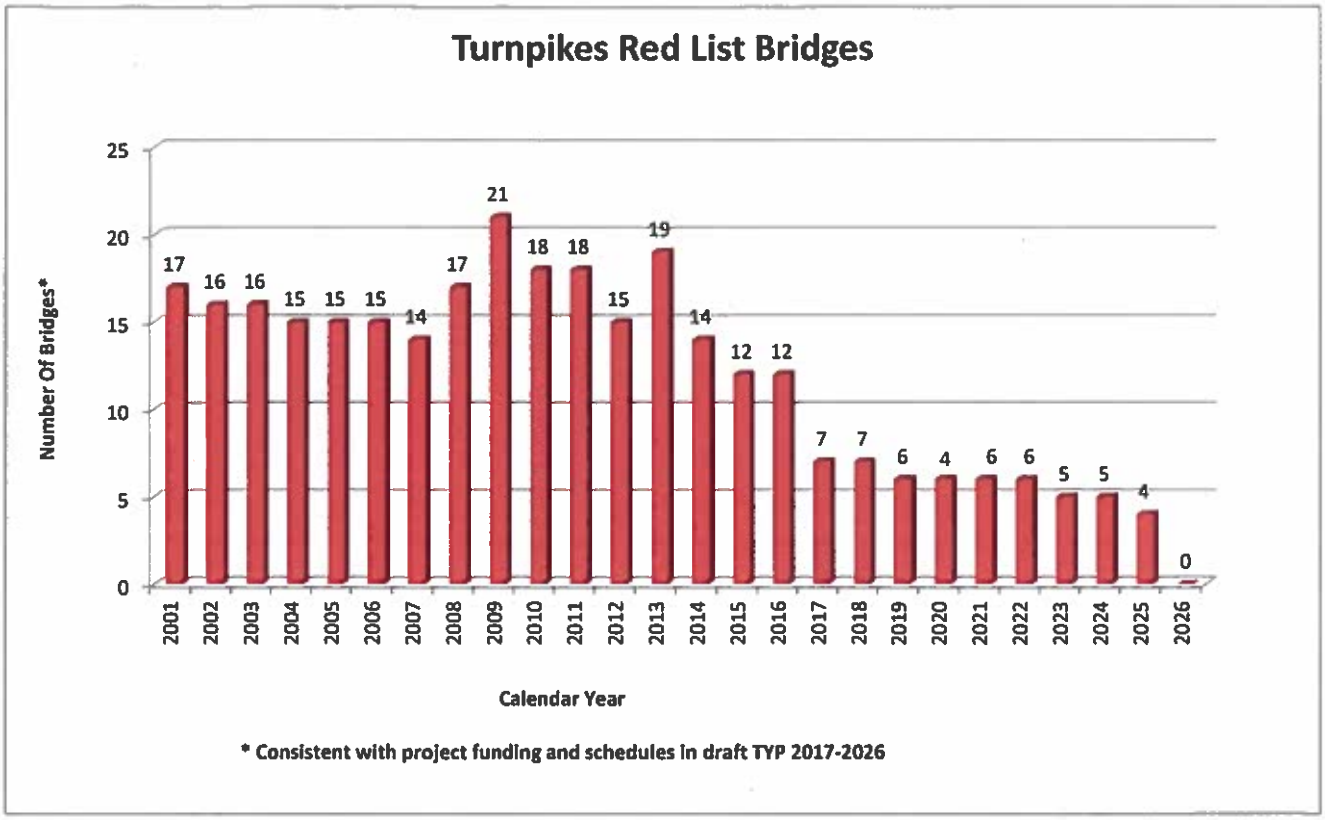
State of New Hampshire Turnpike System Renewal & Replacement Program Projects FY 2017.

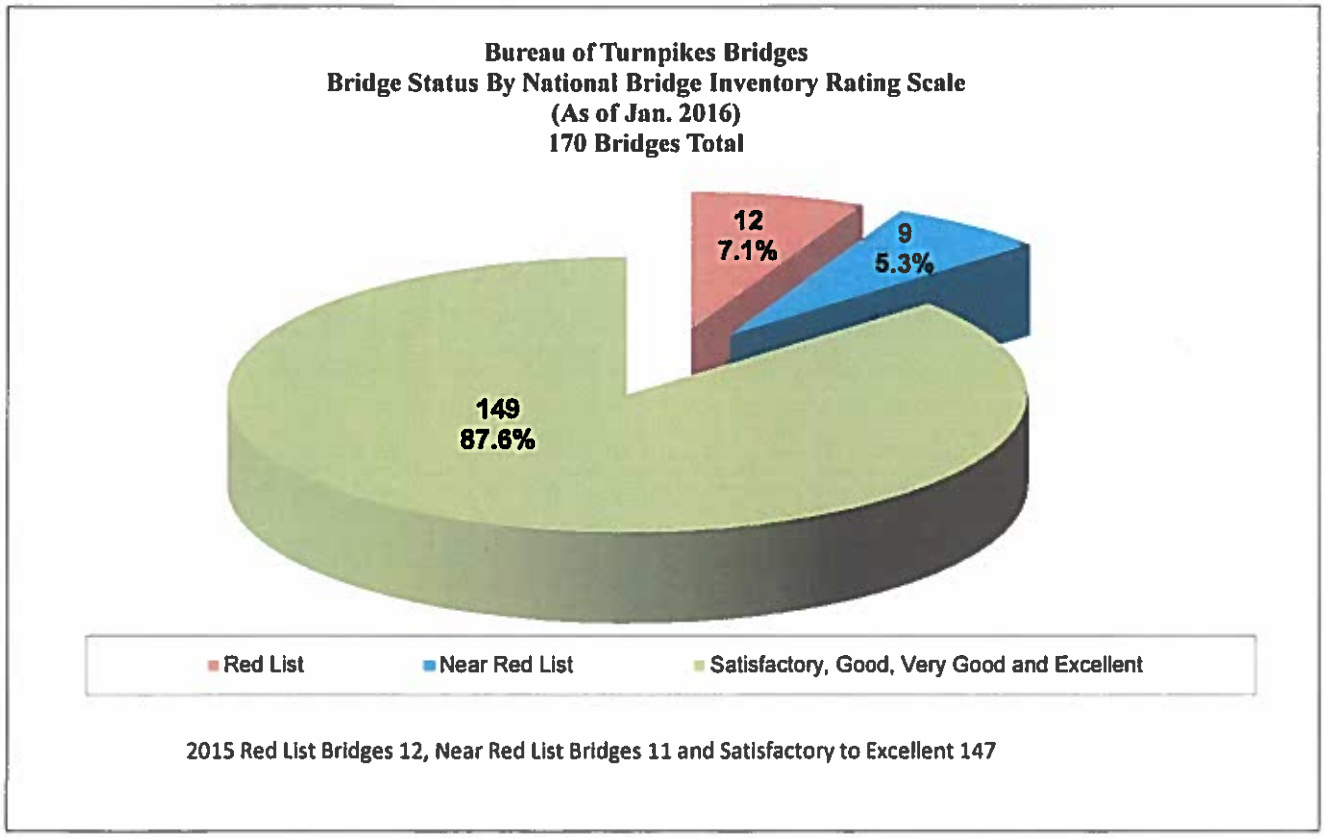

Date 01/2016
N
Legend
N.H. Turnpike System
Interstate System
State Routes
GILFORD
MIDDLETON
NEW DURHAM
GILMANTON
NORTHFIELD
CANTERBURY
LOUDON
BARNSTEAD
FARMINGTON
ROCHESTER
STRAFFORD
PITTSFIELD
BARRINGTON
DOVER
PEMBROKE
EPSOM
DEERFIELD
LEE
DURHAM
NOTTINGHAM
HOOKSETT
CANDIA
RAYMOND
STRATHAM
AUBURN
FREMONT
BRENTWOOD
NORTH HAMPTON
CHESTER
SANDOWN
LONDONDERRY
DERRY
HAMPSTEAD
SOUTH HAMPTON
NEWTON
ATKINSON
LITCHFIELD
WINDHAM
HUDSON
PELHAM
NASHUA
FY 2017
FY 2015
FY 2014
FY 2011
FY 2016
FY 2012
FY 2013
FY 2014
FY 2010
FY 2013
FY 2012
FY 2008
FY 2009
FY 2015
FY 2005
FY 2007
FY 2009
FY 2008
FY 2017
FY 2011
FY 2016
Capital Project Rochester 10620 G thru L FY 2008-2010
Capital Project Bow-Concord 13742 B FY 2015
Capital Project Bow-Concord 13742 A thru C FY 2010
Capital Project Newington-Dover 11238 L, M, Q, S FY 2018
Capital Project Hooksett ORT 15803(FY2013)
Capital Project Manchester 10622 FY 2008
Capital Project Hampton ORT 15678 A thru D FY 2011
Portsmouth 15648 FY2011
Capital Project Manchester 14966 FY 2017
Capital Project Hampton Falls-Hampton 13408B FY 2017
Capital Project MAAR 11512 FY 2012
Capital Project Merrimack 12105 FY 2010
Turnpike Resurfacing Program (FY05-FY17)
Turnpike Lane Miles: 658
Lane Miles within Capital Program Limits: 78
R&R Resurfacing Program Target: 8% to 10% per year
Lane Miles Resurfaced (FY05-FY16): 554.7 (Ave 50.4 lane miles per year)
Lane Miles Resurfacing Planned (FY16-FY17): 48.6
Note: Those capital projects that do not affect the Turnpike mainline pavements have not been shown.
* Note: No paving complete in FY06 due to program funding constraints. Therefore average lane miles noted does not include FY06.

Bureau of Turnpikes Assessment 2015
Data Provided by M&R Pavement Section









R & R Program Bridge Rehabilitation											
FY	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total
#/FY	5	0	1	1	4	2	1	0	1	1	15
$/FY (Millions)	$1.51	$ -	$1.15	$0.85	$2.98	$2.38	$1.60	$ -	$0.66	$0.75	$11.88

* Note: HNTB reommendation is 1 bridge per FY. Turnpike has averaged 1.6 bridges per FY.

S:\Turnpikes\TRR Program\Bridges\Turnpikes Bridges 02-11-16.xlsx

Turnpikes Redlist Bridges							Calendar Year																
CITY/ TOWN	BRIDGE NUMBER	YEAR BUILT	LOCATION	CONDITION	REMARKS	COMPLETED/ TARGET	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Bedford	189/121	1955	US 3 over FEE TPK	Poor deck and substructure	Capital Project #13527	Jul-13	1	1	1	1	1													
Bow	135/160	1957	I-93 SB over I-89,Turker river	Poor deck and substructure	Capital Project 13742B	Aug-15	1	1	1	1	1	1												
Bow	136/160	1957	I-93 NB over I-89, Turkey river	Poor deck and substructure	Capital Project 13742B	Jul-15	1	1	1	1	1	1												
Concord	163/106	1966	I-93 over NH 9	Deck serious, poor substructure	Capital Project 13742C	Sep-10	1																	
Concord	203/087	1957	NH 3 A over I-93	Poor deck and substructure	Capital Project 13742A	Jun-16	1	1	1	1	1	1	1											
Concord	201/096	1958	FEET (I-93) SB over Hall Street	Poor substructure	Future Capital Project 13742	Nov-25								1	1	1	1	1	1	1	1	1	1	
Concord	201/097	1958	FEET (I-93) NB over Hall Street	Poor substructure	Future Capital Project 13742	Nov-25								1	1	1	1	1	1	1	1	1	1	
Dover	200/023	1934	Little Bay/General Sullivan	Closed- All Elements Failing	Capital Project 11238	Jun-22	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
Hampton	120/102	1950	I-95 over Taylor River	Red list section loss	Capital Project 13408B	May-18					1	1	1	1	1	1								
Hooksett	072/136	1978	Access Road over Ramp C	Cracking & spalling	R&R project 29494	Sep-15						1	1											
Manchester	144/066	1957	I-293 over N BR Piscataquog River	Poor deck and substructure	Capital Project14966	Nov-16	1	1	1	1	1	1	1	1										
Manchester	146/064	1957	I-293 over SB Piscataquog River	Poor deck	Capital Project14966	Nov-16	1	1	1	1	1	1	1	1										
Manchester	146/065	1957	I-293 over SB Piscataquog River	Poor deck	Capital Project14966	Nov-16	1	1	1	1	1	1	1	1										
Manchester	149/063	1957	I-293 over Spur D	Poor deck	Capital Project14966	Nov-16	1	1	1	1	1	1	1	1										
Manchester	153/061	1956	I-293 Ramp over I-293	Poor deck	Capital Project14966	Nov-16	1	1	1	1	1	1	1	1										
Manchester	111/066	1957	South Ramp (Ramp K) over FEET	Poor substructure	Bridge Maintenance	Nov-11	1	1	1															
Manchester	099/066	1956	FEET SB Over Black Brook	Section loss	Future Capital Project 16099	Fall 2026					1	1	1	1	1	1	1	1	1	1	1	1	1	
Manchester	099/067	1956	FEET NB Over Black Brook	Section loss	Future Capital Project 16099	Fall 2026					1	1	1	1	1	1	1	1	1	1	1	1	1	
Manchester	107/066	1957	North ramp over FEET	Poor substructure	Bridge Maintenance	Nov-12	1																	
Merrimack	107/131	1954	Baboosic Road over FEET	Poor substructure	Capital Project 13761	Fall 2024					1	1	1	1	1	1	1	1	1	1	1	1		
Merrimack	111/115	1953	Souhegan River	Poor deck and substructure	Capital Project 12105	Jun-11	1	1	1															
Rochester	157/110	1957	Spaulding TPK over NH 125	Deck serious, poor substructure	Capital Project 10620	Jul-11	1	1	1															
Rochester	158/110	1957	Spaulding TPK over NH 125	Deck serious, poor substructure	Capital Project 10620	Oct-09	1																	
Rochester	159/113	1957	Ramp over Wardley Brook	Poor deck and substructure	Capital Project 10620	Oct-13	1	1	1	1	1													
Rochester	128/089	1967	Spaulding Turnpike over US 202A	Deck serious, poor substructure	Capital Project 10620	Oct-13	1	1	1	1	1													
Rochester	139/094	1957	Spaulding Turnpike over US 202	Poor deck , poor substructure	Capital Project 10620H	Oct-13	1	1	1	1	1													
Rochester	117/088	1957	Spaulding Turnpike over Ten Rod Road	Poor deck, poor substructure	Capital Project 10620L	Jan-13	1	1	1	1	1													
Rochester	109/090	1958	NH 11 over Spaulding Turnpike	Poor deck	Capital Project 10620I	Oct-13	1	1	1	1	1													
							21	18	18	15	19	14	12	12	7	7	6	6	6	6	5	5	4	0

Red Box = Year identified as Red List
Green Box = Year removed from Red List (by first quarter of calendar year consistent with Red List Bridge Report issuance or inspection reports)

Turnpike's Bridges

170 Total Bridges

12 Red List (7 in Current Capital Program, 5 in Exp. Capital Program)

Col. 1	Location	Description	Type	Details	Year Built & Rebuilt	Vertical Clearance	Condition	Remarks	Inspection Date Deck, Superstructure, Substructure
14	Concord 42	FEET NB over Hall St. 201/097	IB-C	58.7' Curb to Curb 64.2' Rail to Rail Deck 161' L	1958 1988	16.96	Section Loss	Future Expanded Capital Program Project 13742	11/09/2015, Good, Satisfactory, Poor
15	Concord 42	FEET SB over Hall Street 201/096	IB-C	58.7' Curb to Curb 61.2' Rail to Rail Deck 166' L	1958 1988	13.75	Medium Spalls/ Minor Section Loss	Future Expanded Capital Program Project 13742	11/09/2015, Good, Satisfactory, Poor
39	Dover-Newington	General Sullivan Bridge over Little Bay 200/023	IB-C	24'-0" curb to curb 30.6' rail to rail Deck 1585.0' L	1934, 1950, 2022	18'	Red List Section Lost Closed	Current Capital Program Project 11238S	11/09/15, Closed Failing, Closed Failing, Closed Failing
42	Hampton I-95 - 5	I-95 over Taylor River 120/102	CS	No Curb 226' Rail to Rail Deck 18' L	1950, 1974, 2018	Buried	Red List Section Loss	Current Capital Program Project 13408B	11/17/2015, Culvert Poor
63	Manchester 29	Feet SB over Black Brook 099/066	IB-C	35'-6" Curb to Curb 41.3' Rail to Rail Deck 74L	1956	N/A Above Water	Section Loss	Future Expanded Capital Program Project 16099	11/17/2015, Fair, Fair, Poor
64	Manchester 29	Feet NB over Black Brook 099/067	IB-C	35'-6" Curb to Curb 41.3' Rail to Rail Deck 74L	1956	N/A Above Water	Large Spalls & Heavy Corrosion	Future Expanded Capital Program Project 16099	11/17/2015, Fair, Satisfactory, Poor
69	Manchester 23	FEET & I-293 over N. Branch Piscataqua River St. 144/066	IB-C	45'-0 Rail to Curb NB 45'-0 Curb to Rail SB 95'-6" (+) Rail to Rail Deck 148L	1957, 2016	N/A Above Water	Red List Poor Deck & Substructure	Current Capital Program Project14966	11/17/2015, Poor, Satisfactory, Poor
70	Manchester 22	FEET & I-293 over S. Branch Piscataqua River St. 146/064	IB-C	30'-0"Rail to Curb NB 30'-0 Curb to Rail SB	1957, 2016	N/A Above Water	Red List Poor Deck	Current Capital Program Project14966	11/16/2015, Poor, Satisfactory, Fair
71	Manchester 22-A	FEET & I-293 Spur over S. Branch Piscataqua River 146/065	IB-C	20'-0" Curb to Curb 25.8' Rail to Rail Deck 216 L	1957, 2016	N/A Above Water	Red List Poor Deck	Current Capital Program Project14966	11/16/2015, Poor, Satisfactory, Fair
72	Manchester 21	FEET & I-293 over Spur D 149/063	IB-C	62' curb to curb 73.8' rail to rail Deck 149' L	1957, 2016	16.42	Red List Poor Deck	Current Capital Program Project14966	11/16/2015, Poor, Satisfactory, Fair
73	Manchester 19	FEET & I-293 over FEET & I-293 (Exit 4) 153/061	IB-C	20'-0" Curb to Curb 25.8' Rail to Rail Deck 252L	1956, 2016	16.08	Red List Poor Deck	Current Capital Program Project14966	11/16/2015, Poor, Satisfactory, Fair
75	Merrimack 14	Baboosic Road over FEET 107/131	IB-C	28'-0" Curb to Curb 35.5' Rail to Rail Deck 167'L	1954	15.55	Red List Poor Deck & Substructure	Future Expanded Capital Program Project 13761	11/13/2015, Poor, Satisfactory, Poor

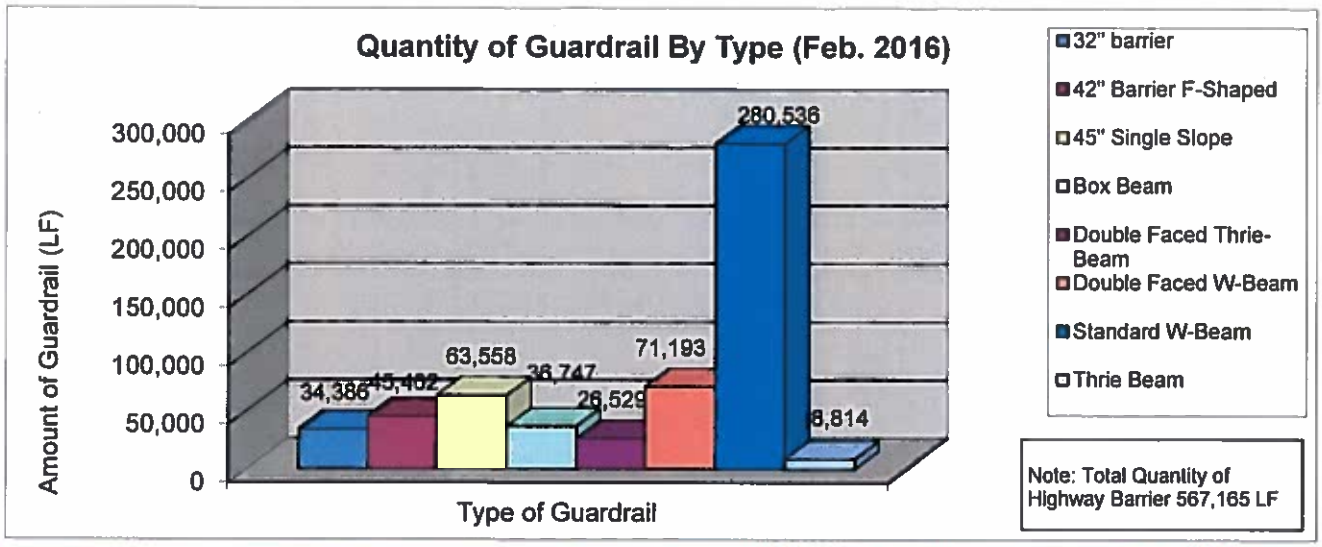
Turnpike's Bridges

170 Total Bridges

9 Near Red List (1 in Capital Program, 3 R&R Program or Bridge Maintenance, 5 in Future Capital Program Projects)

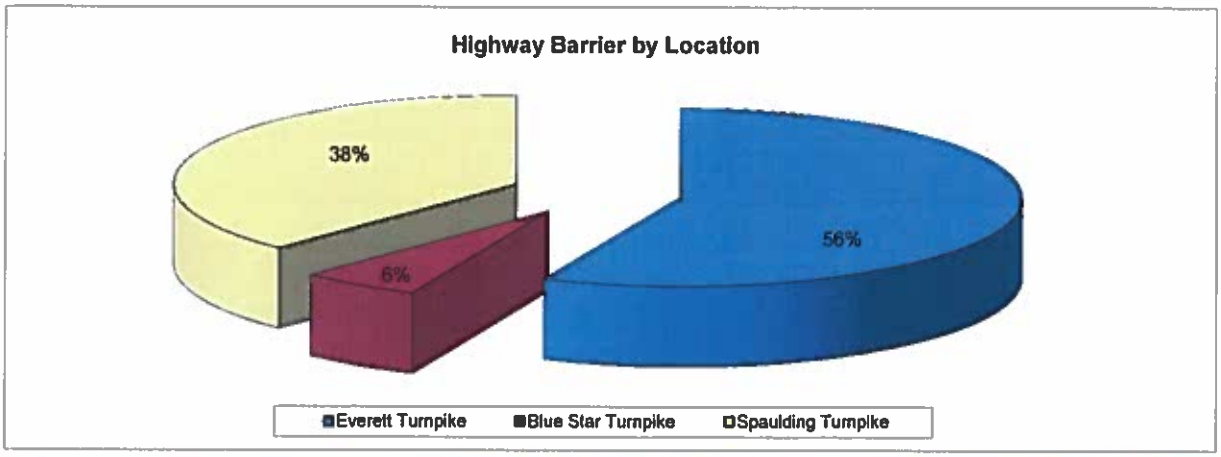
Col. 1	Location	Description	Type	Details	Year Built & Rebuilt	Vertical Clearance	Condition	Remarks	Inspection Date Deck, Superstructure, Substructure
11	Bow 38	FEET Over Dow Road 158/137	CRF	No Curb 153' Rail to Rail Deck 30L	1957 1978	13.83		Assessing for Repairs by Bridge Maintenance or R&R Program	4/7/2014, Culvert Fair
17	Concord 41	FEET NB over B & M RR 203/090	IB-C	71.5' Curb to Curb 73' Rail to Rail Deck 191' L	1957 1988	23.29	Light Cracks/ Minor Spalls	Future Expanded Capital Program Project 13742	5/13/2015, Good, Good, Fair
37	Dover-Newington 2	SB Spaulding Tpk. over Little Bay 201/025	IB-C	28-0"Curb to Curb 29-6" " Rail to Rail Deck 1600' L	1966 1984	22.74	Fine Cracks & Spalls, Rebar Exposed	Current Capital Program Project 11238O	4/22/2015, Fair, Good, Good
44	Hampton I-95 - 6A	I-95 Over Access Road 115/157	CRF	No Curb 186"-0" Rail to Rail Deck 35' L	1950 1976	14.09	Spalled At Joint, Rebar Exposed	Recommended For Rehabilitation Under R&R	5/28/2015 Fair, Fair, Good
59	Manchester 32-A	FEET over Hackett Hill Road 062/062	CRF	No Curb 103' Rail to Rail Deck 30L	1956	14.25	Light Spalling	Assessing For Repair By Bridge Maintenance or R&R Program	4/15/2015, Culvert, Fair
62	Manchester 30	FEET over Stark Lane 091/063	CRF	95-1"Curb to Curb 98-1" Rail to Rail Deck 30L	1956	14.24	Spalled	Future Expanded Capital Program Project 16099	4/2152015 Fair, Fair, Satisfactory
74	Merrimack 15	Wire Road over FEET SB 114/140	IB-C	24'-0" Curb to Curb 21'-6" Rail to Rail Deck 178L	1954 1998	15.75	Damaged Beam & Spalls	Future Expanded Capital Program Project 13761	4/24/2015, Fair, Satisfactory, Fair
76	Merrimack 11	FEET SB over Pennichuck Brook 106/042	IB-C	30'-0" Curb to Curb 33'-0" Rail to Rail Deck 91L	1954	N/A Above Water		Future Expanded Capital Program	4/27/2015, Satisfactory, Fair, Fair
77	Merrimack 11	FEET NB over Pennichuck Brook 107/042	IB-C	30'-0" Curb to Curb 33'-0 Rail to Rail Deck 91L	1954	N/A Above Water	Section Loss & Spalling	Future Expanded Capital Program Project 13761	4/27/2015, Satisfactory, Fair, Fair

Guardrail Location and Condition Assessment



Condition of Highway Barrier	2014		2016	
	LF	%	LF	%
Good or Better	202,741	35.8%	209,208	36.9%
Fair	325,432	57.4%	321,763	56.7%
Poor	38,794	6.8%	36,194	6.4%

* Note: The guardrail condition data is developed using the 2009-2010 M&R van data and updating it with completed projects. Future reporting will reflect updated information developed under the Turnpike guardrail asset management program being developed with AMPS and UNH. No assumption made for guardrail deterioration from January 2015 report as capital program projects have also replaced rail, therefore "poor" is expected to remain constant or reduced.



Guardrail Contracts						
Project #	Project Name	Bid Date	Cost of Project	LF Replaced	Cost Per Foot	Type
14499	Hooksett-Bow	June 21, 2007	$ 2,412,670.00	13040	$ 185	Median Barrier
14938	Bow	April 3, 2008	$ 1,825,162.50	9565	$ 191	Median Barrier
15305	Statewide	June 12, 2008	$ 432,071.00	11500	$ 38	Guardrail
15383	Bow	April 16, 2009	$ 1,699,182.00	11000	$ 154	Median Barrier
15849	Manchester-Hooksett	April 8, 2010	$ 2,229,370.00	11400	$ 196	Median Barrier
15709	Statewide	May 20, 2010	$ 1,287,590.33	39650	$ 32	Guardrail
16379	Bedford-Manchester	February 16, 2012	$ 1,577,907.00	7080	$ 223	Median Barrier
16447	Bedford	February 14, 2013	$ 924,897.50	3780	$ 245	Median Barrier
23782	Portsmouth	February 13, 2014	$ 696,482.10	2020	$ 345	Median Barrier
23785	Seabrook-Portsmouth	May 8, 2014	$ 471,446.20	12060	$ 39	W-Beam & Double Faced W-Beam
29023	Dover-Bedford	May 19, 2015	$ 511,891.75	15305	$ 33	W-Beam & Snow Fence
Total			$ 14,068,670.38	136,400		

* Note: Dover-Bedford 29023 was delayed to CY2016 due to delayed implementation of state budget for FY2016.