



System Overview

State's Highways and Bridges

The System

The highway and bridge network is the backbone of the transportation system moving people, goods, and services within the State of New Hampshire.

New Hampshire's public road system consists of approximately 16,598 miles. The State highway system (Legislative Class I, I, III) has 4,597 miles.

The state highway system is defined as all roads owned by the state, whether maintained by the state or maintained by other public authorities. This system included interstates, turnpikes, numbered highways, non-numbered highways, circles, and ramps.

Miles in this report are measured in Centerline miles using Geographic Information Systems (GIS). Centerline miles, also known as barrel miles, include highways, ramps, and both sides of major highways, such as interstates, and turnpikes.

In instances where a turnpike and interstate run concurrent, all mileage is attributed to the turnpike. For example, Blue Star Turnpike and I-95 are concurrent, all mileage is attributed to the Blue Star.

System Details

If all the miles driven each day in New Hampshire were totaled, it would wrap around the earth well over a 1,000 times. 77% of those miles are traveled on State maintained highways, which consist of 4,597 miles. The remaining traffic is on the town maintained roadways (including urban compacts) which consists of 11,988 miles. In total, there are 16,598 public road miles in the State as classified under RSA 229:5

| Public Roads System | Highway Tiers | | | Miles |
|---------------------|---|-------------------------|----------|---------------|
| | Statewide Corridors | Divided Highway System | (Tier 1) | 840 |
| | | Arterial Roadway System | (Tier 2) | 1424 |
| | Regional Corridors and Local connectors | Regional Corridors | (Tier 3) | 1440 |
| | | Local Connectors | (Tier 4) | 893 |
| | Total | | | 4,597 |
| | Local Roads | Local Roads | (Tier 5) | 12,001 |
| | Total | | | 16,598 |

303 miles of Compact Highways (state owned highways maintained by communities) are included in Tier 4.
Compact Highways can provide the functions of Tiers 1-5.

| NHDOT (AASHTO Scale) Bridges, 10' and greater | | | |
|---|-------------|-------------------|-------------|
| | State | Municipal & Other | Totals |
| Total | 2159 | 1687 | 3846 |
| Red List | 153 | 344 | 497 |
| Mediocre | 796 | 600 | 1396 |
| Good | 1187 | 694 | 1881 |
| Closed or NA | 23 | 49 | 72 |

Effective December 31, 2014, Printed April 1, 2015
Source: Bureau of Bridge Design
Numbers will be updated in April 2016

Condition & Performance

State Highways in Good | Fair Condition

| Year | Miles | Trends |
|----------------|-------|--------|
| 2012 | 2597 | ↓ |
| 2017 Projected | 2385 | ↓ |
| 2017 Goal | 2597 | → |

Highway condition is based on roughness.

State Bridges on Red List

| Year | # | Trends |
|----------------|-----|--------|
| 2012 | 140 | ↓ |
| 2017 Projected | 151 | ↑ |
| 2017 Goal | 140 | → |

Bridge condition is based on structural deficiencies and functional ratings.

Highway Safety - Fatalities

| Year | # | Trends |
|----------------|-----|--------|
| 2012 | 114 | ↓ |
| 2017 Projected | 99 | ↓ |
| 2017 Goal | 0 | ↓ |

Highway safety is measured by the five year average number of fatalities that occurred on state highways system.

Tiers State Highway groups based on like functions

- Tier 1 – Interstates, Turnpikes, and Divided Highways
- Tier 2 – Statewide Corridors
- Tier 3 – Regional Transportation Corridors
- Tier 4 – Local Connectors
- Tier 5 – Local Roads

| | Entity | Centerline Miles | | | | | Subtotals |
|-------|-----------------------|------------------|-------|-------|--------|--------|-----------|
| | | Tier 1 | Tier2 | Tier3 | Tier4 | Tier5 | |
| STATE | Districts 1 | 79 | 311 | 174 | 187 | | 751 |
| | Districts 2 | 74 | 226 | 251 | 162 | | 713 |
| | Districts 3 | 106 | 246 | 268 | 197 | | 817 |
| | Districts 4 | 0 | 198 | 294 | 129 | | 621 |
| | Districts 5 | 280 | 246 | 192 | 121 | | 839 |
| | Districts 6 | 49 | 179 | 259 | 86 | | 574 |
| | Turnpikes | 252 | 16 | 1* | 1* | 1* | 272 |
| | DRED | | | | 5 | | 5 |
| | Town | | | | 4 | | 4 |
| | Other* | | | 1 | | | 1 |
| | Subtotal | 840 | 1,424 | 1,440 | 893 | 1 | 4,597 |
| TOWN | Towns | Local Roads | | | 12,001 | 12,001 | |
| | Total NH Public Roads | | | | | | 16,597 |

*Due to rounding

Turnpike

The New Hampshire Turnpike System consists of 167 miles of limited access highway, 71 miles of which are part of the Interstate Highway System. The State's turnpike system is comprised of three limited-access highways: the Blue Star Turnpike (I-95) and the Spaulding Turnpike, which are collectively referred to as the Eastern Turnpike, and the F.E. Everett Turnpike, also known as the Central Turnpike.

| System | Turnpike System | Centerline Miles |
|--------|------------------|------------------|
| | Blue Star (I-95) | 32 |
| | F.E. Everett | 79 |
| | Spaulding | 56 |
| | Total | 167 |

The State system consists of 4,597 miles of State owned highway. Class IV (compact town roads) highways are part of the State system, which municipalities maintain. All the interstates and turnpikes are designated as Class I highways.

| Public Roads System | State Highway Systems | Legislative Class | | Miles |
|---------------------|-----------------------|--------------------------|-------------|---------------|
| | | Primary State System | (Class I) | 2,344 |
| | | Secondary State System | (Class II) | 2,204 |
| | | Recreational State Roads | (Class III) | 48 |
| | | Sub Total | | 4597 |
| | Town Road | Compact Town Roads | (Class IV) | 303 |
| | | Town Roads | (Class V) | 11,698 |
| | | Sub Total | | 12,001 |
| | | Total | | 16,597 |

(Rounded)

NHS

The federal designated National Highway System (NHS) comprises 1,255 miles of the State's highway system including Interstates, Turnpikes and other priority highways. The NHS supports New Hampshire's mission-critical applications for public safety, emergency preparedness, and transportation as well as provides a network of highways across the country connecting population and economic centers and intermodal facilities by providing a continuous travel corridor from state to state.

| NHS Mileage by Routes | |
|---|--------------|
| Route System | Miles |
| Turnpikes | 167 |
| Interstate | 381 |
| US Routes | 210 |
| State Numbered Routes | 457 |
| Traffic Circles, Non-Numbered State Routes, Local Roads | 32 |
| Ramps | 8 |
| Total | 1,255 |

District and Turnpikes: Ownership -Summer- Winter Maintenance Miles

Ownership is the party responsible for funding, repair or reconstruction of an asset.

Summer maintenance is responsible for repair or preventative maintenance and rehabilitation, such as pothole, culvert and shoulder maintenance.

Winter maintenance includes snow removal, winter treatment, pothole filling and storm cleanup.

| Road Attribute | District | | Turnpikes | |
|-------------------|------------|-------|------------|------|
| | Centerline | Lane | Centerline | Lane |
| Ownership | 4,315 | 8,599 | 272 | 622 |
| Summer Maintained | 4,315 | 8,600 | 272 | 621 |
| Winter Maintained | 3,969 | 7,918 | 276 | 625 |