Governor’s Advisory Commission on Intermodal Transportation

2021-2030 Draft Ten Year Plan Overview
Kickoff Meeting #2
July 31, 2019

Kingston Library – Kingston NH
Previous GACIT Meeting

Wednesday June 19th – DOT Offices

- GACIT Process Overview
- Current State of Infrastructure
- CMAQ Program Review
- Corridor Study Program Review
- Design-Build Project Delivery Concept Review
Kickoff Meeting #2

Agenda

• 2019 & 2020 Program Summary
• Color of Money – Funding Review
• Establish Financial Constraint for Draft TYP
• Confirm Strategic Priorities
• Schedule of Hearings & Invitees

Hearing #1 - August 14th – Present Draft TYP
2019 & 2020 Program Summary
Approved Ten Year Plan
Approved TYP (2019 – 2028) Status

Summary of Construction Projects (2019 & 2020)

<table>
<thead>
<tr>
<th>Status of Construction</th>
<th># of Projects</th>
<th>%</th>
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<td>On Track</td>
<td>73</td>
<td>72%</td>
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<tr>
<td>Advanced</td>
<td>7</td>
<td>7%</td>
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<td>Delayed</td>
<td>16</td>
<td>16%</td>
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<tr>
<td>Withdrawn</td>
<td>5</td>
<td>5%</td>
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<tr>
<td>Grand Total</td>
<td>101</td>
<td>100%</td>
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- **101 total projects**: Does not include programmatic breakout projects identified in 2019 & 2020
- **16 Delayed project**: Delays were only 1 or 2 years (7 of the delays were from Municipal requests)
- **5 Withdrawn projects**: Withdrawn projects were completed under other projects or by the municipalities using local funds
Approved TYP (2019 – 2028) Funding

Funding Update:

- **Federal Redistribution**
  - Received $22.7M in September of 2018 (7 Projects)
    - Bridge preservation (3), Resurfacing (2)
    - Road reconstruction A/C (2)
    - I-93 Debt Service A/C
  - Requested Federal Redistribution of $32.7M in September of 2019 – (10 Projects)
    - Bridge (3), T2 Resurfacing (3), Guardrail (3), Roadway (1), GARVEE Debt Service A/C

- **Federal Discretionary Grants Received**
  - INFRA Grant ($5M) Lancaster, NH – Guildhall, VT Bridge Replacement Project
  - Tiger Grant ($10M) Lebanon, NH – Hartford, VT Bridge Rehabilitation Project

- **Grant Application submitted July 2019**
  - Build Grant ($20M) Hinsdale, NH – Brattleboro, VT Bridge Replacement Project

- **HB 1817 (State $20M & Municipal $10.4M)**
  - State: 5 Locations - Franconia, Lebanon (2), Jackson, Lyme-Thetford
  - Municipal: 3 Locations – Manchester (2), Laconia
### Approved TYP (2019 – 2028) Funding

#### 2019-2028 Ten Year Plan

<table>
<thead>
<tr>
<th>FISCAL YEAR</th>
<th>PAVEMENT</th>
<th>BRIDGES</th>
<th>I-93 EXPANSION</th>
<th>MANATED FEDERAL</th>
<th>INDIVIDUAL PROJECTS</th>
<th>ROADSIDE</th>
<th>RAIL</th>
<th>TRANSIT</th>
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| % Grand Total | 20.7% | 20.4% | 2.1% | 8.6% | 22.6% | 2.5% | 0.3% | 8.6% | 6.8% | 7.4% | 100.0% |

*Dollars include indirect costs and inflation (2.55%)*

- Pavement (state & federal) – averages $77M per year
- Bridges (state & federal) – averages $76M per year
- I-93 Expansion - $80M over ten-year period
- Mandate Federal – averages $32M per year
- Individual Projects- $846M over ten-year period
- Transit & Airports - $576M over ten-year period
- Total Program - $3.75B
Color of Money
## Approved TYP (2019 – 2028) Funding

### 2019-2028 Ten Year Plan

#### Total Program Dollars by FY

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<th>FY</th>
<th>FMVA 1,4</th>
<th>TIFIA Financing I-93</th>
<th>Connecticut River Bridge GARVEE</th>
<th>Settlement 2</th>
<th>I-93 Debt Service</th>
<th>TIFIA Pledged Pav &amp; Bridge</th>
<th>SA*</th>
<th>Other 3 Matching Funds</th>
<th>Sub Total</th>
<th>Turnpike 7 Improvement</th>
<th>Turnpike R&amp;B</th>
<th>Rail 1</th>
<th>Transit 6</th>
<th>Airport</th>
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<th>% of Total Program</th>
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<td>-</td>
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</table>

| Program Total | 1,698.78 | 11.64 | 65.96 | 224.13 | 94.94 | 84.96 | 140.86 | 1.23 | 48.19 | 2,522.80 | 497.25 | 187.30 | 12.00 | 320.08 | 256.11 | 9,749.54 | 100.0% |
| % of Total Program | 73.5% | 0.5% | 2.0% | 8.9% | 3.8% | 3.3% | 5.0% | 0.0% | 1.8% | 100.0% |

### Revenue

- $1,853.01
- $1,611.64
- $65.96
- $224.13
- $325.57
- $1.23
- $48.36
- $2.528
- $497.25
- $187.30
- $12.00
- $320.08
- $256.11
- $8,750.48

### Surplus/(Deficit)

- $2,577.72
- $1,222.70
- $4.88

- $0.70
- $0.00
- $0.00
- $5.61
- $0.00
- $0.00
- $4.88
- $0.00
- $0.00
- $0.00
- $0.00
- $0.00
- $0.00

### Notes

- Investments for all modes of transportation
- Other modes (Rail/Transit/Airport) – no opportunity to redirect to highway & bridges
- Federal funds – not for operations & maintenance

Amounts in Millions of Dollars
Airport Funding

- Total of $256M programmed in TYP (Average $25.6M/yr)
- Funding primarily Federal Aviation Administration (FAA)
  - Grants Based (Discretionary, Entitlement & State Apportionment)
  - Formula Apportionment
  - Based on FAA Designated Priorities Nationally & Regionally
- Funding restricted for planning studies, preservation, modernization, or expansion of eligible airport facilities. Funding cannot be transferred to other uses.
- NH eligible public-use airports, typically 90% FAA funds, 5% State funds & 5% local funds
- 14 Project Locations in TYP – listed by town & airport name
Airport Locations

• Federally Eligible Airports
  – 3 Commercial Airports (Portsmouth, Manchester & Lebanon)
  – 9 Publicly-Owned Airports (Berlin, Mt Washington, Dean Memorial, Laconia, Claremont, Skyhaven, Concord, Dillant-Hopkins & Boire Field)

• Non-Fed. Eligible Airports
  – 12 General Aviation (public & privately owned) Airports are not federally eligible
Transit Funding

• Total of $320M programmed in TYP (average $32M/yr.)
• Funding primarily Federal Transit Administration (FTA)
• Funding restricted for transit services (i.e. capital, operating & planning). Funding cannot be transferred to other uses.
• SB 241- adds the NH Capitol Corridor project development phase to the TYP
FTA Urbanized Area (UZA) Funding

NH urbanized areas eligible for FTA 5307 funding. **Funds can only be used in designated UZAs**

- **Small Urban Public Transit (direct recipients)**
  - COAST (Cooperative Alliance for Seacoast Transportation) – operates in Portsmouth UZA and Dover-Rochester UZA
  - Manchester Transit – operates in Manchester UZA

- **Nashua UZA Public Transit (direct recipients)**
  - Nashua Transit & CART (Cooperative Alliance for Regional Transportation) – operate in Nashua UZA

- **Boston UZA Public Transit (DOT recipient)**
  - Intercity & CART services & state-owned bus terminals – that operate in/serve Boston UZA
  - NH Capitol Corridor project development
Rail Funding

- Total of $12M programmed in TYP (average $1.2M/yr.)
- Special Railroad Funding (approx. $600k/yr.) primarily comes from lease agreements with private rail operators for use of State-owned rail corridors
  - Funds used for maintenance and construction on state-owned rail lines. **Funds cannot be used for other needs.**
- Railroad Revolving Loan Fund ($1.5M every 3 years) is a State-bonded program per RSA 228:66-a for capital work on Class III and Cog Railroads
NH Rail Corridors

- State-Owned Railroad Lines:
  - 202 miles included in Railroad Operating Agreements
    - 153 miles of active track that is used at least monthly
    - 49 miles of active track used infrequently
  - 339 miles of abandoned / inactive rail lines

- NH has 6 Railroad Operators under agreement to operate services on state-owned lines
  - 4 freight services
  - 2 tourist & excursion services
Turnpike System

- 3 Turnpike Segments
- 89 Miles Long
- 172 Bridges
- 9 Toll Facilities
- Enterprise Fund – All Turnpike revenue must be used on the Turnpike System.

Turnpike Revenue pays for:
- Operation, Maint & Enforcement - $50M
- Debt Service - $44M
- R&R Work - $14M
- Capital Improvements - approx. $30M
- FY19: 124M transactions
  $132M toll revenue
### Turnpike Programs

1. **Turnpike Renewal & Replacement (TRR) -** (approx. $14M/year)
   - Preserve, maintain, and upgrade existing Turnpike Infrastructure
   - Bond Resolution Renewal & Replacement Requirement
     - Annual Resurfacing Program ($7.5M ±)
     - Annual Bridge Painting & Bridge Rehabilitation Work
     - Drainage, Guardrail, Signage, Striping & Building/Toll Plaza Maintenance

2. **Turnpike Capital Program**
   - General Sullivan Bridge Rehabilitation ($33M) 2021-2023
   - F.E. Everett Widening, Nashua-Bedford ($156M) 2021-2025
   - Manchester Exit 7 Reconstruction ($50M) 2024-2026
   - Manchester Exit 6 Reconstruction & FEET Widening ($98M) 2025-2028
   - Bow-Concord I-93 Widening (I-89 to I-393) ($152M)* 2026-2031
     * Only includes Tpk. portion (south of Exit 14), Does not include Federal portion (Est. cost $223M, completion 2034)

3. **All Electronic Tolling (AET)**
   - Dover & Rochester ($20M) 2021-2022
   - Bedford ($16M) 2022-2023
State Funded Programs

1. Betterment – 3¢ state gas tax (approx. $ 26 M/year)
   – 12% Block Grant Aid $ 3.0 M
   – District Resurfacing Program (incl. District leveling) $15.4 M
   – Bridge & Drainage Repairs $ 2.8 M
   – Emergency Repairs & Discretionary Force Account Work $ 4.7 M

2. SB 367 – 4.2¢ state gas tax (approx. $ 36 M/year)
   – 12% Block Grant Aid ($4.1M)
   – I-93 Debt Service ($2.2M ➔ 2025, $23.4M ➔ 2034)
   – State Bridge Aid Program for Municipal Bridges ($6.8M)
   – TIFIA Pledged Paving & Red List Bridges ($23M ➔ 2025, $1.5M ➔ 2034)
## SB367 Expenditure Waterfall

### STATE OF NEW HAMPSHIRE

**SB 367 - AMENDMENT #2015-1810s**

**BUDGETARY ESTIMATES WITH TIFIA FINANCING**

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<tr>
<th>Fiscal Year</th>
<th>S0.042 Dedicated Road Toll Increase</th>
<th>Municipal Block Grant Aid (12% PY Revenue)</th>
<th>Debt Service &amp; Cost of Issuing Bonds Due on $200M TIFIA Financing2 for I-93</th>
<th>Additional State Aid for Municipal Bridges</th>
<th>DOT Operating Budget</th>
<th>Transfer from FY 16 savings in Operating 4</th>
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</table>

1. FY 2020 - FY2021 preliminary Committee of Conference Budget estimates; FY2022 - FY 2034 provided by the Department of Safety, assumes a 0.0003% decrease each year thereafter.
2. Actual/Projected debt service based on loan closing 5/24/2016.
   - $200M TIFIA Financing; 9 year deferal period for principal payments
   - All-In True Interest Cost = 1.09%
   - Includes $15,000 annual TIFIA Administrative Fee.
3. Pursuant to SB367 requirements, funds identified will be allocated based on RSA 235:23-a, Highway and Bridge Betterment Account.
4. Savings realized in Highway Maintenance in FY2016 transferred to TIFIA Pledged Paving and Bridge Repair pursuant to CH 0324:10 L16.
State Highway Funded Programs

• SB367 TIFIA Pledged Paving & Bridge Work
  – Program targeted to resurface poor & very poor Tier 3 & 4 roads, as well as address state owned red-list bridges
  – Funded with SB367 revenue totaling $121M over TYP period (2021-2030)
  – 1160 miles of paving on poor & very poor state roads to be completed
  – 23 red list bridges to be reconstructed or rehabilitated
  – Pledged paving ($14M/yr) and bridge ($9M/yr) work through FY25

• Betterment Program ($23M/year)
  – Program created by the Legislature to provide state funding for highway construction, reconstruction & resurfacing and bridge construction, reconstruction, and maintenance for portions of the state’s highway system not supported with federal aid
  – Includes District Resurfacing, Pavement Leveling/Shim Program, Bridge Repairs, Drainage, Traffic Signal Equipment & Discretionary Projects
Once TIFIA pledged paving is completed in FY25, paving on rural roads will be significantly reduced.

- Limited State Funding for Non-Fed Eligible State Roads
- Only Betterment Program & TIFIA pledged SB367 revenue exists for Non-Fed Aid state roads
State Highway Funded Programs

- State Aid Bridge Program ($6.8M/year)
  - Program created by the Legislature to provide state funding for construction or rehabilitation of municipal bridges
  - Funded with $6.8M/year of SB367 Revenue
  - Requires 20% local match ($8.5M total w/ match)
  - 120 bridges enrolled currently through 2029 (64 Red Listed)
  - 84 bridges on the waiting list (53 Red Listed)
    - 20 years of projects at current funding level (2049)
    - Average municipal bridge project cost $1.5M (w/ inflation)

- State Aid Highway Program
  - Legislature discontinued funding under FY18/FY19 Budget
  - Tilton Calef Hill Road project (#29753) remains unfunded
Federal Aid Program

1. FY19 Federal Formula
   - Apportionment - $174M
   - Obligational Limit - $155M (or 89%)

2. FY20 Federal Formula
   - Apportionment - $183M (Estimated)
   - Level federal formula funding assumed in current TYP

3. Federal Funding accounts for 73% of Road & Bridge Total in TYP
Federal Aid Program  Cont.

1. NH FAST Act expires Sept 30, 2020
   - Uncertainty relative to size and elements of future federal transportation act

2. FAST Act also includes rescission of $7.569B
   - 0.5372% is attributed to NH’s share or $40.7M of contract authority
   - Crippling effect on flexibility in executing federal program

3. Transportation Bills are being drafted & debated in Congress
Federal Aid Program - Nationally

Annual HTF spending at current levels plus inflation is estimated to exceed receipts by $16 billion in FY2020, growing to $23 billion by FY2027.

HTF revenues, mainly derived from fuel taxes, will continue to decline due to increased vehicle fuel efficiency and growing use of alternative fuel vehicles.

Source: AASHTO FAST ACT REAUTHORIZATION WHITE PAPER
(Draft September 7, 2018)
Impact/Effect of Inflation

- Over last ten years, construction costs have increased 30%
- Draft TYP Uses 2.8% Annual Inflation rate, over ten years equates to 32% increase
If Congress determines to no longer supplement HTF with General Funds – 50% drop in federal funds is projected for 2021 & 30% drop in 2022 and beyond.

- Tremendous negative impact on NH’s program
- Previous TYPs, level funding beyond FAST Act had been assumed to financially constrain the TYP

Source: AASHTO FAST ACT REAUTHORIZATION WHITE PAPER (Draft September 7, 2018)
Federal Aid Program

3,460 Miles – Fed-Aid Eligible
1,142 Miles – Non Fed-Aid Eligible

• Core Federal Programs (FAST Act)
  – National Highway Performance Program (NHPP) -$102M
  – Surface Transportation Program (STP) -$51M
    • Set Aside For Transportation Alternative Program - $2.7M
    • Set Aside for Recreational Trails Program - $1.3M
  – Highway Safety Improvement Program (HSIP) -$9.9M
  – Railway-Highway Crossings Program (RCS) -$1.2M
  – Congestion Mitigation & Air Quality Improvement Program (CMAQ) - $11.2M
  – Metropolitan Planning (MP) - $1.7M
  – National Freight Program (NFP) - $6.3M

• Formula Allocation

• Each Federal Program contains specific requirements on eligible uses

• NH Federal Funding $183M/yr in FY20
Proposed Draft Ten Year Plan Strategies

• 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 & Increase funding for Exit 4A
• 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
Proposed Draft Ten Year Plan Strategies

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

- Fall 2018 – NHDOT and RPC staff work together to develop common project evaluation criteria
- January 2019 – RPC’s submit initial draft of prioritized projects to NHDOT for review
- March 2019 – comments provided to RPC’s
- April 2019 - Community outreach and regional prioritization by RPC’s complete
- 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
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
- 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
## TYP Hearing Schedule

- **Invitee List** – send invitations (?)

<table>
<thead>
<tr>
<th>Executive Councilor</th>
<th>Day</th>
<th>Date</th>
<th>Town/City</th>
<th>Time</th>
<th>Location</th>
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<td>District 2</td>
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<td>Dover</td>
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<td>McConnell Center</td>
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<td>Claremont</td>
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<td>Concord</td>
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<td>9/17/2019</td>
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### District 5
- **District 5**
- **Wednesday**
- **9/25/2019**
- **Nashua**
- **6:00 PM**
- **City Auditorium – 3rd Floor**
- **(use Elm Street Entrance)**
- **229 Main Street**
- **Councilor Debora Pignatelli**

### District 4
- **District 4**
- **Thursday**
- **9/26/2019**
- **Milford**
- **6:00 PM**
- **Town Hall – Banquet Room**
- **Councilor Debora Pignatelli**

### District 3
- **District 3**
- **Tuesday**
- **10/8/2019**
- **Portsmouth**
- **6:00 PM**
- **Portsmouth Public Library**
- **Levenson Room**
- **175 Parrott Avenue**
- **Councilor Russell Prescott**

### District 2
- **District 2**
- **Wednesday**
- **10/2/2019**
- **Rochester**
- **6:00 PM**
- **Community Education & Conference Center**
- **Frisbie Memorial Hospital**
- **170 Ocean Boulevard**
- **Councilor Andru Volinsky**

### District 3
- **District 3**
- **Tuesday**
- **10/15/2019**
- **Keene**
- **6:00 PM**
- **Keene Parks and Recreation**
- **312 Washington Street Room 14**
- **Councilor Andru Volinsky**

### District 2
- **District 2**
- **Wednesday**
- **10/16/2019**
- **Franklin**
- **6:00 PM**
- **City Hall – Opera House**
- **316 Central Street**
- **Councilor Andru Volinsky**

### District 4
- **District 4**
- **Wednesday**
- **10/23/2019**
- **Manchester**
- **7:00 PM**
- **Manchester Community College Auditorium**
- **Councilor Theodore Gatsas**

### District 3
- **District 3**
- **Monday**
- **10/28/2019**
- **Kingston**
- **6:00 PM**
- **Kingston Community Library**
- **56 Church Street by GPS**
- **Actual address: 2 Library Lane**
- **Councilor Russell Prescott**

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**Hearing not confirmed as of 7/29/19**
THANK YOU

QUESTIONS & COMMENTS