Rhode Island’s State Transportation Improvement Program (STIP) FFY 2022 – 2031 Rewrite
FFY 2022-2031 STIP – Presentation Overview

- Background
- Program and Financial Analysis
- Performance Management
- Air Quality Conformity Findings
- Transportation Equity Benefit Analysis

STIP

- RIDOT
- RIPTA

STIP Projects

STIP Adoption Process - Next Steps

TAC Questions & Discussion
Transportation Planning in Rhode Island

Must be cooperative, because no single agency is responsible for the entire transportation system.

MPO
Coordinate and compile program of projects to develop the STIP. Develop the STIP text including program and financial analysis, TEBA, and Air Quality Conformity. Actively seek participation from the public and all relevant stakeholders.

RIDOT
State’s Highway network including Bridges, Pavement, Safety, Pedestrian and Bicycle Facilities, Stormwater, Ferry and Rail Transit.

RIPTA
Bus transit, paratransit, flex zone, and commuter services, human services transportation coordination and facilitation of transportation alternatives.
• Identifies the State’s transportation projects and programs for next 10 Federal Fiscal Years (FFY)
• The STIP must be fiscally constrained, meaning cannot spend more on the projects and expenditures than there are funding sources
• Projects in the first 4 years of the STIP (FFY 2022-2025) must identify specific funding sources
• Projects in the last 6 years, or the Outyears (FFY 2026-2031) do not need to identify funding sources, but must reflect reasonably assumed funding levels
MPO Goals & Objectives

Vision
This Plan envisions a multimodal transportation network that connects people, places, and goods in a safe and resilient manner by providing effective and affordable transportation choices that are supportive of healthy communities, provide access to jobs and services, and promote a sustainable and competitive Rhode Island economy.

Goals and Objectives

- **CONNECT PEOPLE & PLACES**
  - Expand connectivity across modes
  - Reduce Travel Congestion
  - Improve regional connectivity

- **MAINTAIN TRANSPORTATION INFRASTRUCTURE**
  - Design roadways to increase transportation choices
  - Achieve a state of good repair
  - Enhance transportation network resilience
  - Enhance transportation safety

- **STRENGTHEN COMMUNITIES**
  - Improve individual and community health
  - Foster social equity
  - Encourage connected communities

- **PROMOTE ENVIRONMENTAL SUSTAINABILITY**
  - Reduce vehicle miles traveled
  - Reduce transportation greenhouse gas emissions
  - Create a network of open space, trails, and paths

- **SUPPORT ECONOMIC GROWTH**
  - Expand connections to jobs
  - Improve freight connectivity access to national/global freight markets
  - Make transportation investments supportive of tourism
STIP Priority Areas

- Asset Management / State of Good Repair
- Congestion Management & Traffic Alleviation
- Improve Connectivity
- Expand Transportation Options
- Multimodal Transportation Safety
- Future Potential Projects – Study & Development
Putting the STIP Together

- Asset Management
  - YES
  - Ready
    - YES
    - Risk Level
      - HIGH
      - Funding Available
        - YES
      - LOW
      - Opportunity
        - YES
    - LOW
    - NO
  - NO
  - NO

Priority Levels:
- Lowest Priority
- Low Priority
- Medium Priority
- High Priority
- Highest Priority
FFY 2022-2025 STIP Funding Sources

Federal: $1.85 billion
State: $1.49 billion
Other Non-highway: $199 million
Total: $3.55 billion
FFY 2022-2025 STIP
Spending by Investment Type

- Program Management and Operations: 31%
- Debt Service: 13%
- Expansion: 5%
- Preservation: 51%
FFY 2022-2025 STIP
System Expansion by Mode

$168 million in System Expansion Projects

Roads & Bridges System Expansion
1. Atwood Ave., Cranston - Pavement Reconstruction and New Sidewalks
2. Oaklawn Ave., Pavement Reconstruction and New Sidewalks
3. I-295 Major Rehab and Adding Auxiliary Travel Lane in Cranston Canyon
4. I-95 / RT. 4 Missing Move

Number of Projects
- Roads and Bridges: 9%
- Bicycle and Pedestrian: 87%
- Transit: 4%
FFY 2022-2025 STIP
Capital Project Spending by Mode

- Roads & Bridges: 87%
- Transit: 8%
- Bicycle & Pedestrian: 5%
- Other Spending: 0%
FFY 2022-2025 STIP
Spending by Mode

**Primary Mode**
- Transit: 22%
- Bicycle & Pedestrian: 3%
- Other Spending: 21%
- Roads & Bridges: 54%

**Secondary Mode**
- Transit: 31%
- Bicycle & Pedestrian: 18%
- Other Spending: 26%
- Roads & Bridges: 25%
FFY 2022-2025 STIP
Spending by Priority Area

- State of Good Repair: 74%
- Expanding Transportation Options: 14%
- Multimodal Transportation Safety: 7%
- Congestion Management & Traffic Alleviation: 3%
- Improving Connectivity: 1%
- Study & Development: 1%
FFY 2022-2031 STIP
Projects by the Numbers

Addressing Safety
- Fix 391 number of Bridge Structures
- 106 miles of sidewalks
- 404 miles of pavement
- 31 intersection improvements
- 77 Safety Improvements in 27 municipalities (and counting)

Adding Capacity and Access
- 14 miles to the sidewalk network
- 54 projects improve intermodal connections or access to transit

Geographic Distribution

<table>
<thead>
<tr>
<th>County</th>
<th>Project Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bristol</td>
<td>17</td>
</tr>
<tr>
<td>Kent</td>
<td>48</td>
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<tr>
<td>Newport</td>
<td>37</td>
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<tr>
<td>Providence</td>
<td>159</td>
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<tr>
<td>Washington</td>
<td>58</td>
</tr>
</tbody>
</table>
FFY 2022-2025 STIP
Spending by Phase
RIDOT Program

- Construction: 53%
- Other: 44%
- Design: 3%
STIP Tables
STIP Online Project Mapping Application

FFY2022-2031 STIP Project Dashboard

Asset Information
- Tip ID: 1300
- Asset Type: Sidewalk
- Asset ID: SDW_41
- Asset Name: SDW RI-114N Hope St (Washington St. to Donna Ct.)
- Facility Carried: RI-114N
- Municipality: Bristol
- Asset Treatment: Rehabilitation

Infrastructure Improvements Coming to Your Town
- Pavement: RI-136, Metacom Ave. (Chestnut St. to Warren T/L)
- Pavement: RI-114, Wood St. to Constitution St.
- Sidewalk: SDW RI-114N Hope St (Washington St. to Donna Ct.)
- Sidewalk: SDW RI-114S Hope St (N Farm Dr. to Washington St.)
- Sidewalk: SDW SPC Hope St S (Constitution to Union)

Project Information
- STIP Program: Active Transportation Program
- Tip ID: 1300
- Project Name: Hope and Main Street Sidewalks - Phase 1 (Washington St. to Dyer St.)
- Project Description: This project will repair and replace sidewalks along RI-114 from Washington Street to Dyer Street in Bristol and Warren. This project will be coordinated with TIPID 1299, Hope Street and Ferry Road Resurfacing and Sidewalks - Phase 2.

Last update: a few seconds ago
## FFY 2022-2025 STIP
### Performance Management

<table>
<thead>
<tr>
<th>Goal Area</th>
<th>Measures</th>
<th>Duration</th>
<th>Status</th>
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<tbody>
<tr>
<td>Highway Safety</td>
<td>Fatalities, Serious Injuries</td>
<td>Annual</td>
<td>Annual</td>
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<tr>
<td>Pavement &amp; Bridge</td>
<td>Good and Poor Condition</td>
<td>2- and 4-years</td>
<td>Mid-Period</td>
</tr>
<tr>
<td>System Performance and Freight</td>
<td>Interstate, Non-Interstate, Truck Travel</td>
<td>2- and 4-years</td>
<td>Mid-Period</td>
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<tr>
<td>Congestion Mitigation and Air Quality</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Transit Safety</td>
<td>Fatalities, Injuries, Safety Events, Mechanical Failures</td>
<td>Annual</td>
<td>Annual</td>
</tr>
<tr>
<td>Transit Asset Management</td>
<td>Rolling Stock, Equipment, Facilities, Infrastructure</td>
<td>2- and 4-years</td>
<td>Mid-Period</td>
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</tbody>
</table>
• Section 6 of the STIP includes a preliminary determination of transportation conformity in accordance with Clean Air Act

• Rhode Island is currently in attainment for the six criteria pollutants including CO, Ozone, PM2.5, PM10, NOx, and VOCs under all 1- and 8-hour standards

• Preliminary Transportation Conformity determination based on 1) 40 CFR 93.109(c), 2) application of Transportation Control Measures in SIP, 3) Interagency Consultation, and 4) Fiscal Constraint.

• Section 4 details Regionally Significant Projects > 11 Highway Projects > 3 Passenger Rail Projects > 3 Bus Transit Projects.
FFY 2022-2025 STIP
Transportation Equity Benefit Analysis (TEBA)

**Research**
- Quantify SPG Threshold
- Quantify Significant SPG Presence within Census Tracts
- Mapping Geographic Information Systems (GIS)

**Analysis**
- STIP Asset Investment Analysis
- Transit Access Analysis

**Findings**
- 49.3% of all STIP investments are allocated to Environmental Justice tracts and all EJ tracts are served with significant investments.
- RIPTA routes intersect 99% of carless household tracts, 87% of aging SPG tracts, and 99% of Environmental Justice tracts.
RIDOT Projects in the FFY2022-2031
State Transportation Improvement Program (STIP)

State Planning Council — June 10, 2021

Pamela Cotter, RIDOT
Active Transportation Program

- **TIPID 1300 – Hope and Main Street Sidewalks – Phase 1**
  - Repair sidewalks, other ADA improvements
  - Invest in Revolutionary Heritage Byway
  - $9M beginning in 2023

- **TIPID 5107 – Bellevue Avenue ADA Sidewalk / Access Improvements**
  - Sidewalk repair and replacement, ADA accessibility improvements
  - Improve walkability near retail and dining, Newport Mansions
  - $11.5M beginning in 2025

- **TIPID 9002 – Trestle Trail – West Section - Paving**
  - 5 miles of new bike path from the CT state line to Old Summit Rd.
  - Commitment to RI’s component of the East Coast Greenway
  - $5.5M beginning in 2027
Pavement Program

• TIPID 9536 – RI-117, Centerville Road (Quaker Lane to I-95 SB Ramp)
  • 1.2 miles of resurfacing with new sidewalks
  • Access for schools, retail, recreation centers
  • $7.5M beginning in 2022

• TIPID 1298 – RI-103, Willett Ave (Bullocks Point Ave. to Wampanoag Trail)
  • Full roadway resurfacing from Providence River to Barrington River
  • Sidewalk repairs and extension, ADA ramps
  • $9M beginning in 2023

• TIPID 1329 – RI-94, Reynolds Rd. (Foster T/L to US-44)
  • Reclaim 5½ miles of roadway
  • Improve access to FM Global Research Campus
  • $6.4M beginning in 2024
Bridge Program

- **TIPID 9994 - Bridge Group 47_R -- Pawtucket/Central Falls Amtrak Bridges**
  - Rehabilitate or replace five bridges spanning Amtrak’s Northeast Corridor
  - Maintain links to transit, freight connections in Pawtucket and Central Falls
  - $29M beginning in 2023

- **TIPID 3231 - Bridge Group 24C_H -- Ashton Viaduct**
  - Rehabilitate historic bridge, including 50,000 square feet of deck area
  - Preserve Kelly House bridge link to Blackstone River Bikeway
  - $27M beginning in 2025
Corridor Projects

- **TIPID 3207 – Corridor - Woonsocket**
  - Preserve and rehab 8 bridges and culverts
  - Resurface 1.2 miles of roadway
  - Repair / replace 100,000 square feet of sidewalk
  - $16M beginning in 2023

- **TIPID 3346 – Corridor – Saylesville**
  - Rehab or replace of 6 bridges, including 2 historic structures
  - Resurface 4.5 miles of road
  - Repair / replace 110,000 square feet of sidewalk
  - $12.5M beginning in 2025
Major Capital Projects

• TIPID 9998 – Bridge Group 97 – East Avenue Corridor
  • Rehab and replace 50,000 sq ft of bridge deck area
  • Resurfacing, Active Transportation, transit and safety improvements
  • $27.8M beginning in 2023

• TIPID 9999 - Bridge Group 16D – Route 6 Corridor Improvements
  • Rehab 3 bridges, safety improvements, 5¼ miles resurfacing
  • Complete link between I-295 and new 6/10 Connector
  • $23M beginning in 2022
Thank You

Pamela Cotter
Policy Director
RIDOT

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www.facebook.com/ridotnews
@ridotnews
Fleet replacement: The new diesels

- RIPTA’s 2020 Gillig diesel buses are more than 50% less polluting than 2005 fleet and are more fuel efficient
17 additional ZEVs slated for delivery in 2022

Electric bus facts:
- Current range is roughly 140 miles per charge vs. 400 miles per diesel tank
- On-route chargers coming soon
- Technology continuing to evolve and improve
RIPTA employs 43 mechanics
• Working three shifts daily, including weekends and holidays
• Nearly 900,000 hours of maintenance service over ten years
In an average month, RIPTA buses make **6,982 trips** the bus tunnel, covering a total of **2,883 miles**
ANNUAL ENVIRONMENTAL IMPACT

- **Commuter Miles Reduced**: 2,108,581
- **Total Trips Eliminated**: 50,619
- **CO2 Emissions Reduced (lbs)**: 1,626,128

FY 2020 Annual Report
Ongoing service planning and scheduling as well as Transit Master Plan implementation:

- West Bay service changes – public hearings next month
- Light Rail and/or Bus Rapid Transit – RAISE grant proposal
The Path Forward FFY 2022-2031 STIP Adoption Schedule

<table>
<thead>
<tr>
<th>Milestone</th>
<th>Public Notice (Mail, Web)</th>
<th>Transportation Advisory Committee (TAC)</th>
<th>State Planning Council (SPC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Draft STIP Presented &amp; Request to Authorize Public Hearing</td>
<td>-</td>
<td>May 27</td>
<td>June 10</td>
</tr>
<tr>
<td>Public Comment Period / Public Hearing</td>
<td>June 10 – July 12</td>
<td>June 29 &amp; 30</td>
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<tr>
<td>Public Comment Report Presented / Draft STIP</td>
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<td>July 22</td>
<td>August 12</td>
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<tr>
<td>Final STIP Presented / Adopted</td>
<td>-</td>
<td>August 26</td>
<td>September 9</td>
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<tr>
<td>Forwarded to Governor, then FHWA/FTA for final Approval</td>
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<td><strong>DEADLINE FOR APPROVAL: September 30, 2021</strong></td>
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