

2045 LONG-RANGE TRANSPORTATION PLAN: DRAFT FISCAL CONSTRAINT

Community Advisory Committee
March 11, 2021

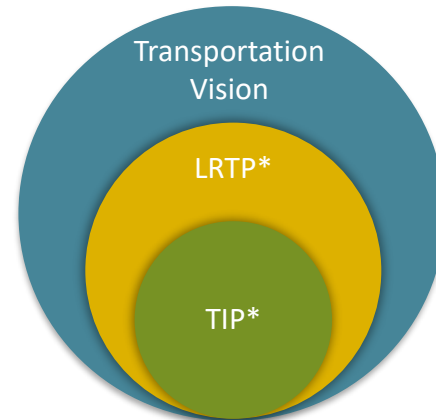
Dale M. Stith, AICP, GISP
Principal Transportation Planner



LONG-RANGE TRANSPORTATION PLAN (LRTP) OVERVIEW



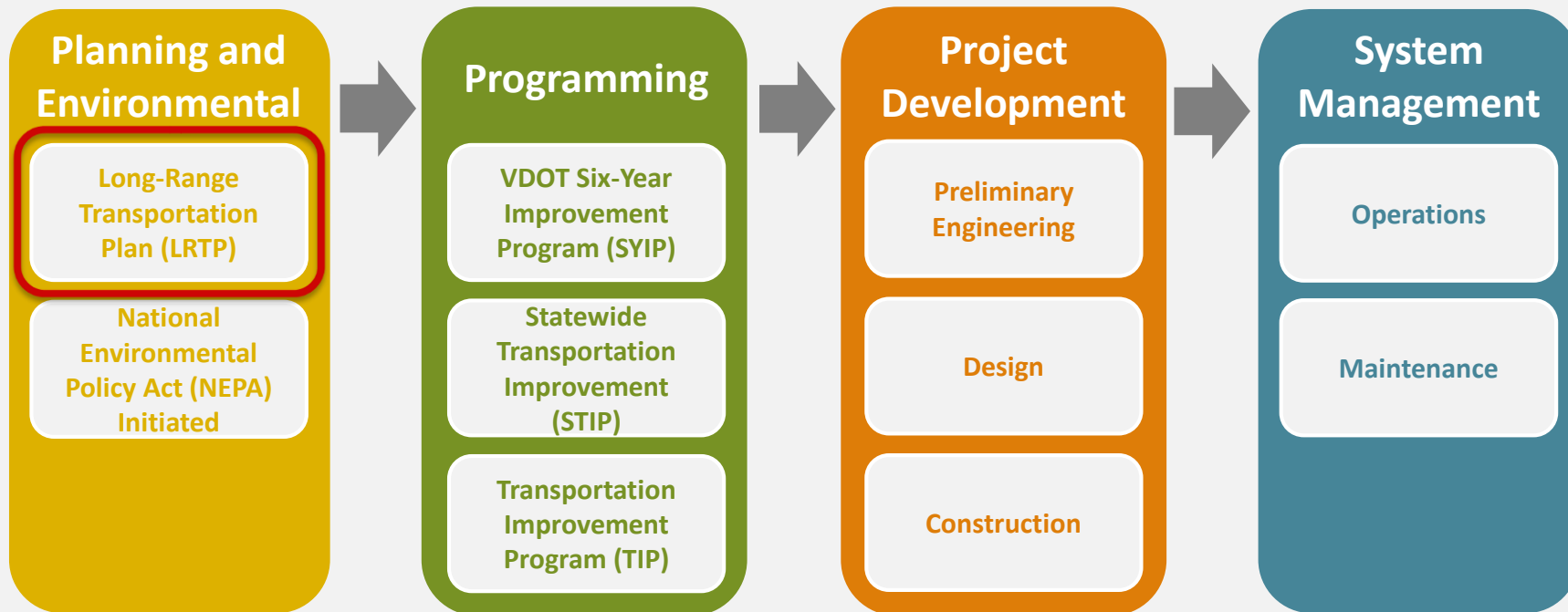
- **Blueprint** for the region's transportation future
- Identifies all **regionally significant transportation projects**
- **Planning horizon of 20 years** and is updated every 5 years
- **"Fiscally Constrained"** demonstrating how projects will be funded



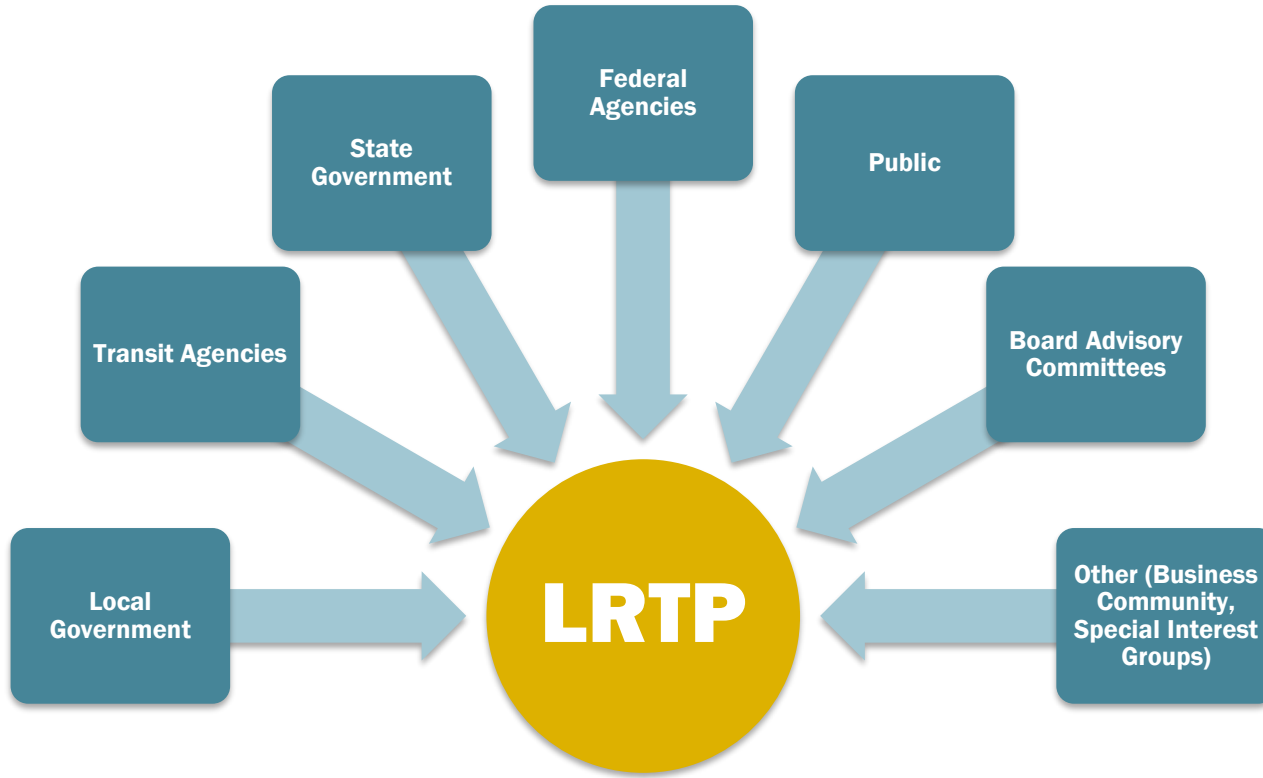
*Fiscally constrained

**Federal and State
Funding Sources:
Projects must be
consistent with
regional LRTP**

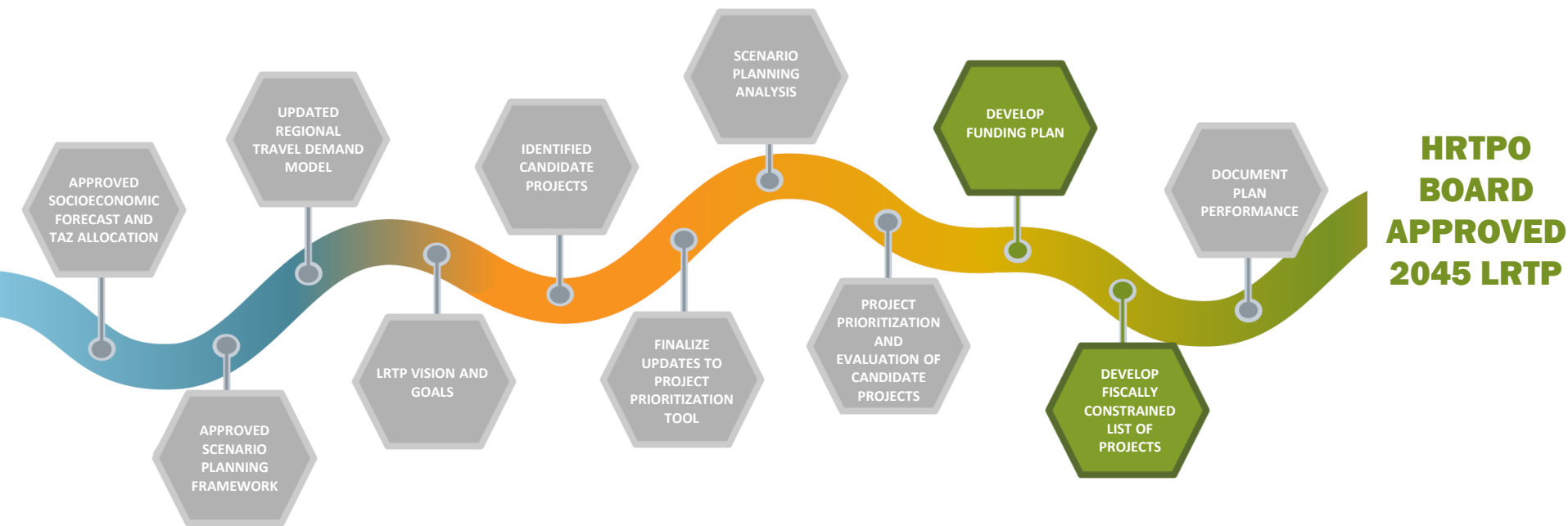
PROJECT PLANNING & DEVELOPMENT PROCESS



LOCAL/REGIONAL/STATE/FEDERAL COORDINATION

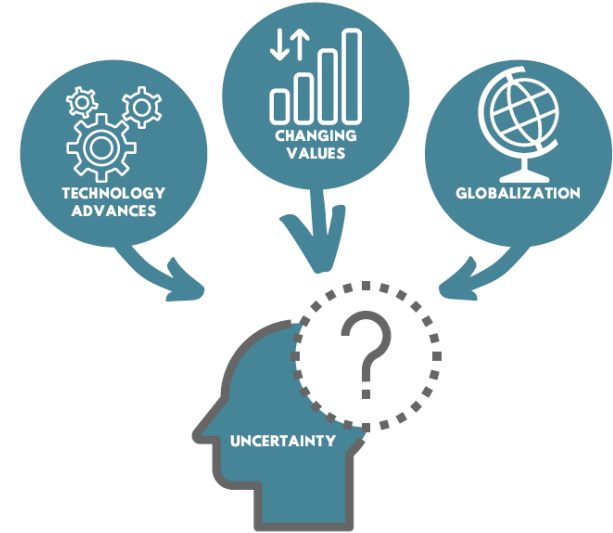


Adoption Date: June 2021





**Changing Conditions: Regional
Priorities, Demographics,
Economy, Technology**



**NEED FOR SCENARIO
PLANNING**

YEAR 1

YEAR 2

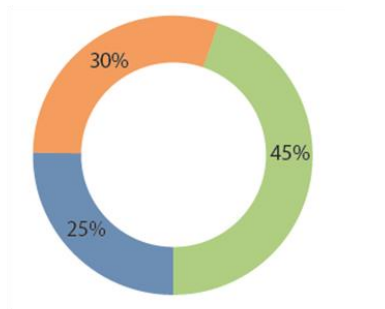
YEAR 3

YEAR 4

YEAR 5



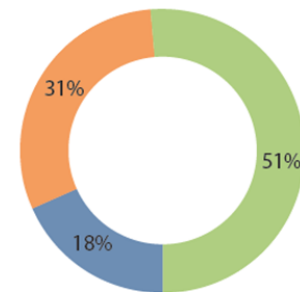
Portion of 2045
Forecasted Population



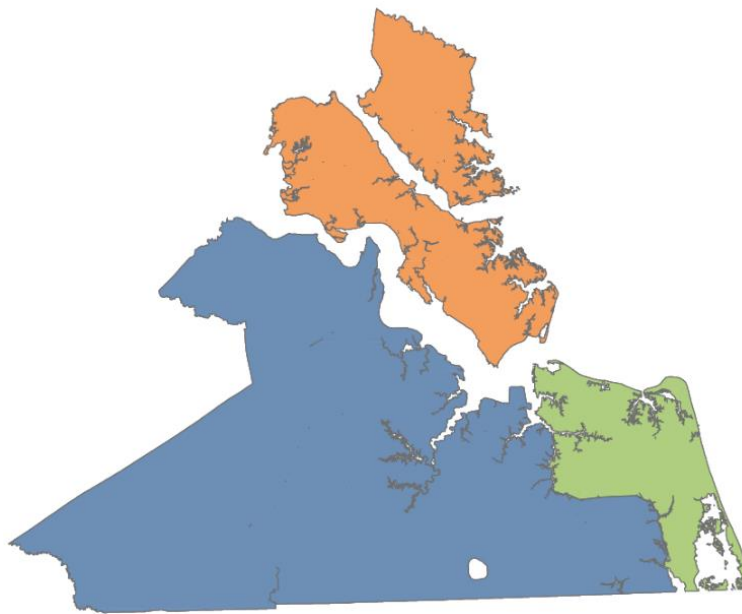
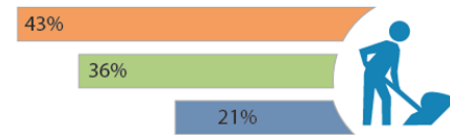
Portion of 2045 Forecasted
Population Growth
2015 to 2045



Portion of 2045
Forecasted Employment



Portion of 2045 Forecasted
Employment Growth
2015 to 2045



YEAR 1

YEAR 2

YEAR 3

YEAR 4

YEAR 5



THE 2045 LONG-RANGE TRANSPORTATION PLAN WILL USE INNOVATIVE PLANNING TECHNIQUES TO ADVANCE AN ADAPTIVE TRANSPORTATION SYSTEM THAT SEAMLESSLY INTEGRATES TRANSPORTATION MODES FOR ALL USERS WHILE IMPROVING QUALITY OF LIFE AND PRESERVING THE UNIQUE CHARACTER OF HAMPTON ROADS.

2045 LRTP SCENARIO PLANNING THEMES



2045 GREATER GROWTH - WATER

What happens if jobs focus on the waterfront, housing choices are varied, and transportation technology adoption is moderate?



2045 GREATER GROWTH - URBAN

What happens if jobs and housing focus in urban areas, with greater multimodal availability and high adoption of connected vehicle technology?



2045 GREATER GROWTH - SUBURBAN

What happens if jobs and housing are developed in dispersed activity centers, with a higher level of truck transportation and high adoption of autonomous vehicle technology?

LRTP SCREENING PROCESS

POTENTIAL PROJECTS

LRTP APPLICABILITY

LOCALITY COMPATIBILITY

PROJECTS EVALUATED FOR 2045 LRTP

2045 LRTP CANDIDATE PROJECTS

ROADWAY CANDIDATE PROJECTS

HIGHWAY



163

INTERCHANGE



28

BRIDGE/TUNNEL



9

INTERMODAL



7

TRANSIT CANDIDATE PROJECTS



19

ACTIVE TRANSPORTATION CANDIDATE PROJECTS



56

TOTAL CANDIDATE PROJECTS

282

CANDIDATE PROJECTS TOTAL ESTIMATE: \$70 BILLION

ACTIVE TRANSPORTATION CANDIDATE PROJECTS COST ESTIMATES

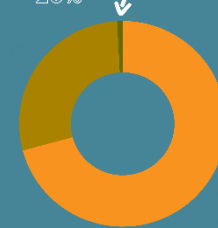
\$600 MILLION

1%

TRANSIT CANDIDATE PROJECTS COST ESTIMATES

\$20 BILLION

28%



ROADWAY CANDIDATE PROJECTS COST ESTIMATES

\$50 BILLION

71%

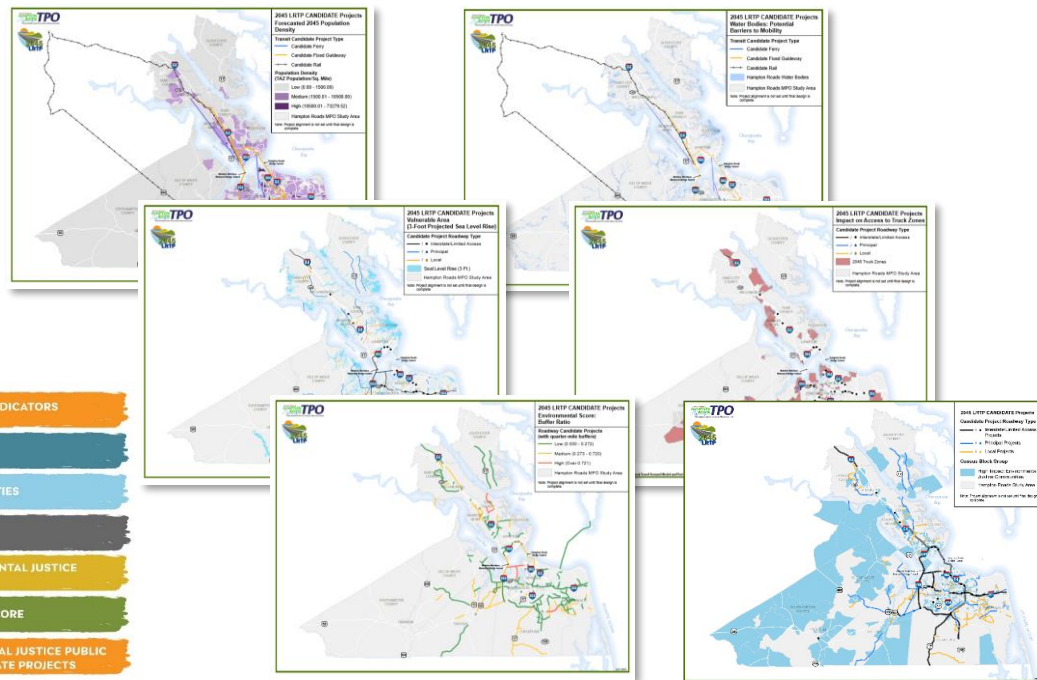
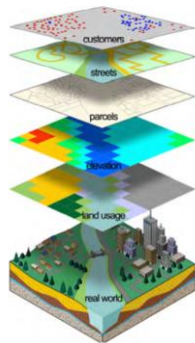
YEAR 1

YEAR 2

YEAR 3

YEAR 4

YEAR 5



MOBILITY AND ACCESSIBILITY

- Special Needs
- Population
- Congestion
- Travel Time
- Reliability
- Commuting
- Public Transportation
- Active Transportation
- Rail Transportation
- Technology and the Future

CORNERSTONES OF THE REGIONAL ECONOMY

- Military
- Freight
- Tourism

SYSTEM PRESERVATION, SAFETY, AND SECURITY

- Infrastructure Preservation
- Safety
- Infrastructure Security
- Security of Various Transportation Modes

THE ENVIRONMENT

- Sustainability and Resiliency (Climate Change and Sea Level Rise)
- Water Quality
- Air Quality
- Environmentally Sensitive Lands
- Land Use and Transportation

TRANSPORTATION FINANCE

- National
- State
- Construction Cost Increases

PERFORMANCE MANAGEMENT

- System Monitoring
- Measuring Performance (Targets)
- Incorporating Targets into the Planning Process

1 IDENTIFICATION OF TITLE VI/ENVIRONMENTAL JUSTICE INDICATORS

2 IDENTIFICATION OF GEOGRAPHICAL AREAS OF ANALYSIS

3 IDENTIFICATION OF ENVIRONMENTAL JUSTICE COMMUNITIES

4 ASSIGNMENT OF CANDIDATE PROJECT EXTENT

5 IDENTIFICATION OF POTENTIALLY IMPACTED ENVIRONMENTAL JUSTICE COMMUNITIES

6 DETERMINATION OF ENVIRONMENTAL JUSTICE IMPACT SCORE

7 DEVELOPMENT AND IMPLEMENTATION OF ENVIRONMENTAL JUSTICE PUBLIC PARTICIPATION STRATEGIES FOR THE 2045 L RTP CANDIDATE PROJECTS



HRTPO Project Prioritization Tool

Project Utility

Ability to solve a problem

Economic Vitality

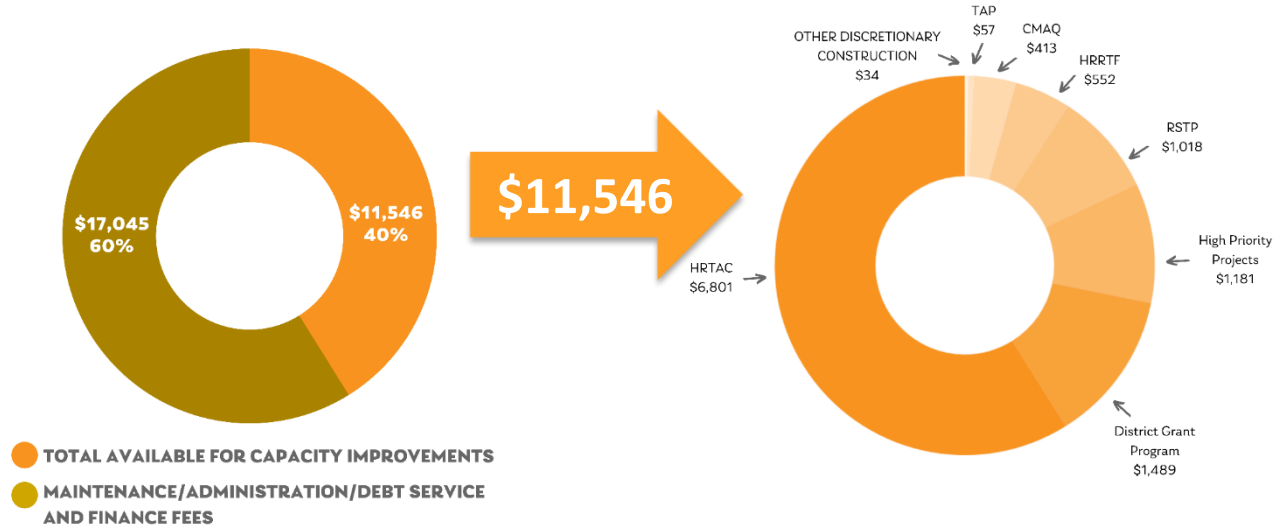
Potential for economic gain

Project Viability

Project readiness and compatibility

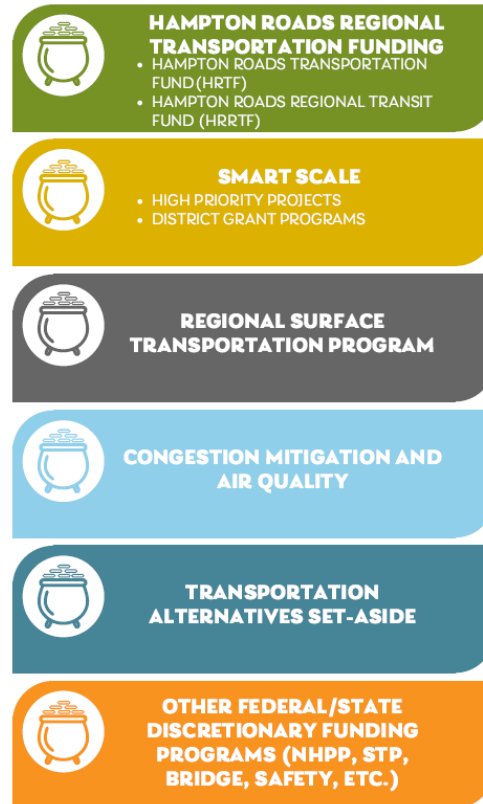
PROJECT UTILITY TOTAL	ECONOMIC VITALITY TOTAL	PROJECT VIABILITY TOTAL	TOTAL SCORE
78	88	40	206
70	86	33	189
78	61	49	188

Total: \$28,591 Million



Source: VDOT and HRTAC

- Fiscal Constraint is the demonstration of sufficient funding to implement proposed transportation improvements
- Transportation funding/revenues “reasonably expected to be available” through 2045
- Project Costs are expressed in Year-of-Expenditure (YOE) dollars
- Project Prioritization Scores used as guide to constrain projects



Revenue Forecast



Project Costs

TOTAL FORECASTED 2021-2045 REVENUES



Total: \$29,610 Million

TOTAL REVENUES FOR MAINTENANCE AND ADMINISTRATION (2021-2045), IN MILLIONS

VDOT and Localities (including SMART SCALE State of Good Repair)	\$13,580
HRTF (Debt Service, Financing Expenses, Set-Aside for Financing)	\$3,190
HRRTF (Maintenance and Administration)	\$275
MAINTENANCE TOTAL	\$17,045

TOTAL REVENUES FOR ADDITIONAL CAPACITY (2021-2045), IN MILLIONS

Regional HRTAC (HRTF and HRRTF) Revenues	\$7,353
Federal and State Revenues	\$4,193
Local/Agency Revenues	\$1,019
ADDITIONAL CAPACITY TOTAL	\$12,565

Sources: VDOT, HRTAC, Localities (Hampton, Newport News, Virginia Beach), SPSA

DRAFT FISCALLY-CONSTRAINED LIST OF PROJECTS



9

Bridge and/or Tunnel Projects

11

Interstate Highway/Interchange Projects

76

Non-Interstate Highway/Interchange Projects (20 Locally Funded)

4

Intermodal/Freight Projects

6

Roadway Studies

4

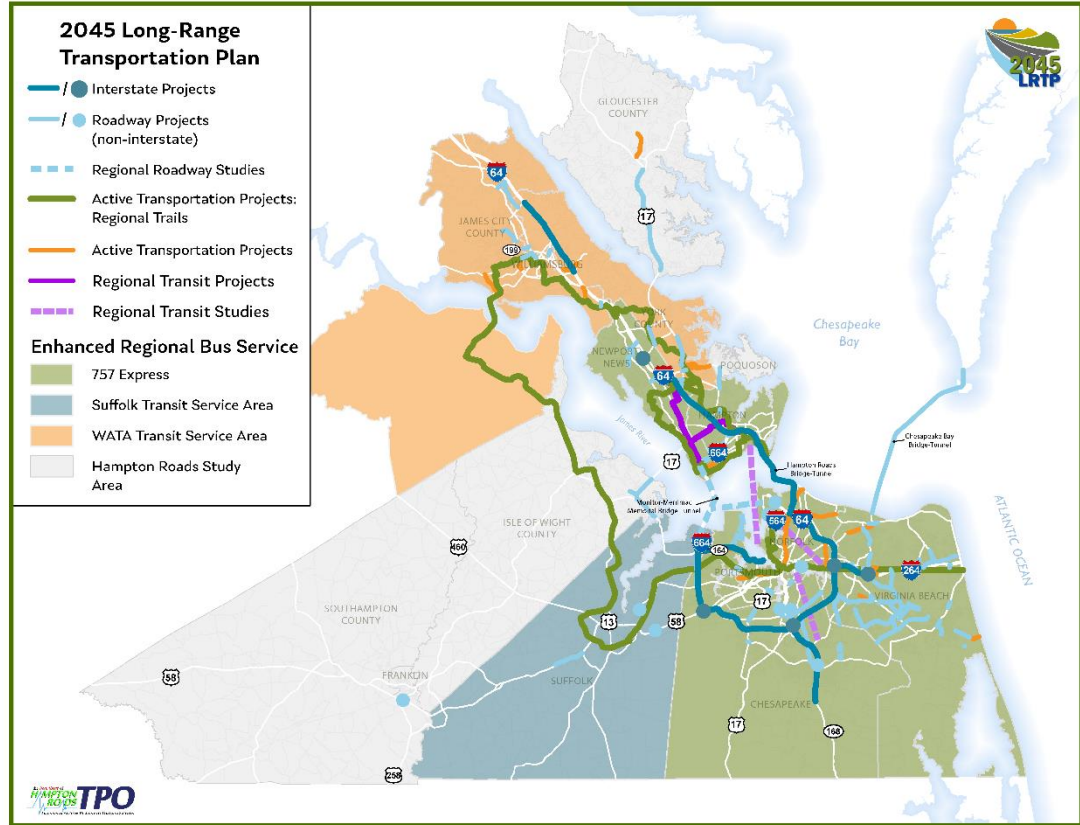
Regional Transit Projects

3

Regional Transit Studies

27

Active Transportation Projects



DRAFT DEMONSTRATION OF FISCAL CONSTRAINT



TOTAL REVENUES FOR ADDITIONAL CAPACITY (2021-2045), IN MILLIONS

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ADDITIONAL CAPACITY TOTAL \$12,565

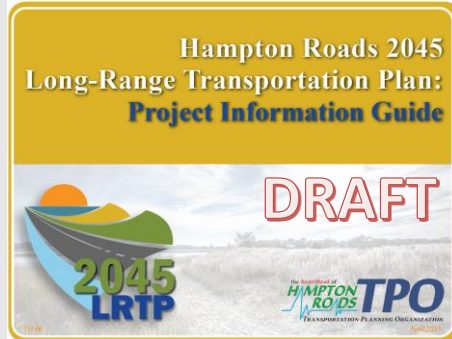
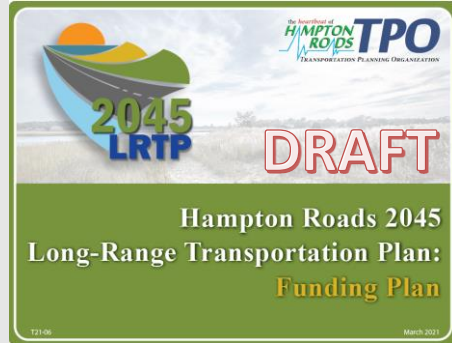
PROJECT CATEGORY	ESTIMATED PROJECT COSTS, IN MILLIONS (YOE*)
Committed Projects	\$4,631
10% Grouped Projects Set-Aside	\$283
Regional Priority Projects (Highway, Transit, and Active Transportation)	\$4,193
Other Planned Additional Capacity Projects (Highway, Transit, and Active Transportation)	\$2,406
Planned Locally Funded Capacity Projects	\$934
Planned Studies	\$87
TOTAL	\$12,534

*YOE – Costs expressed in year of expenditure to properly reflect inflation

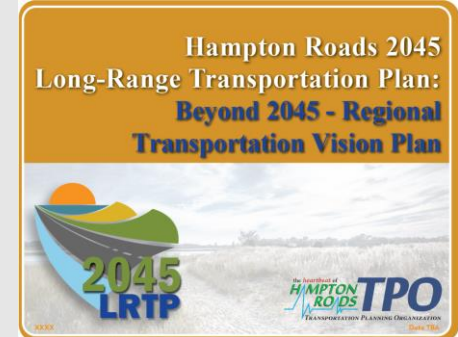
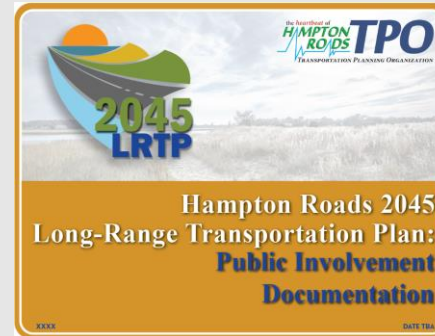
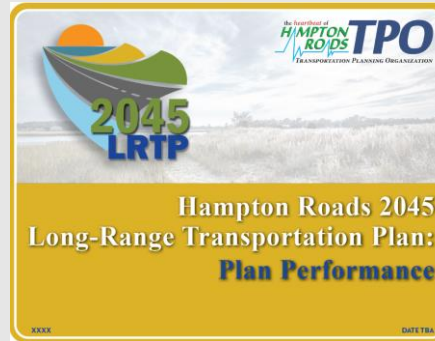
DRAFT AND REMAINING 2045 LRTP REPORTS



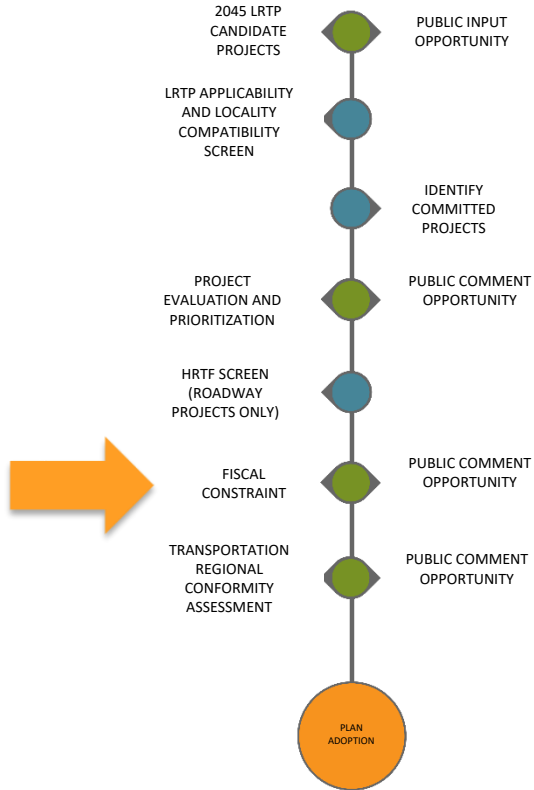
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COMING SOON



DRAFT FISCALLY CONSTRAINED LIST OF PROJECTS: OUTREACH



Transportation Technical Advisory Committee

Community Advisory Committee

Freight Transportation Advisory Committee

HRTPO Board

30-Day Public Review Period – end March 19, 2021

I-64 Widening including Hampton Roads Bridge-Tunnel

DRAFT

PROJECT DETAILS	
SUBMISSION	PROJECT CATEGORY/SECTION
Multi-modal	Bridge & Tunnel/Innovative
PROJECT ID	SPC
2045 2	11008
ROAD	
I-64 (Hampton Coliseum)	
NO	
I-64	
DESCRIPTION	
Widen from 8 to 10 lanes including 1 full-time HOT and 1 part-time HOT shoulder	

SUMMARY OF PROJECT	
Significantly reduce congestion and improve travel time reliability	
Significantly increase person throughput and reduce person hours of delay	
Significantly improve safety	
Improve access to major military installations	
Reduce travel time to port facilities and improve reliability of truck travel	
Provides increased access to high density employment areas	
Improve access to major tourist areas	
Improve access to institutions of higher education	
Provides improvements to hurricane evacuation route	

PROJECT STATUS	
ESTIMATED OPENING YEAR BAND	
Near (2023-2026)	
NEPA STATUS	
Complete	
PROJECT STATUS	
Project Design: Complete	
ROW/Utilities: Obtained	
Construction: Underway	
FY 2023-2024 TSP Status: Included	

ESTIMATED COST	
YEAR OF EXPENDITURE	
Construction Cost: \$3,800 Million	

PRIORITIZATION SCORE				
PROJECT UTILITY	ECONOMIC VITALITY	PROJECT VIABILITY	TOTAL SCORE	
N/A	N/A	N/A	N/A	

6 DRAFT 02.18.21

Funding Plan/Fiscal Constraint

February – March 2021

- Technical Stakeholder and Public Review of Draft Funding Plan/Fiscal Constraint

March 2021

- HRTPO Board Approval of Funding Plan/Fiscal Constraint

Remaining 2045 LRTP Documentation

April 2021

- Transportation/Air Quality Conformity (approximately 3-month process)

May – June 2021

- Complete documentation of 2045 LRTP

June/July 2021

- HRTPO Board Approval of 2045 LRTP

- Approve a Resolution of Support for the draft 2045 Long-Range Transportation Plan Fiscally Constrained List of Projects

HAMPTON ROADS PLANNING DISTRICT COMMISSION
HAMPTON ROADS TRANSPORTATION PLANNING ORGANIZATION
COMMUNITY ADVISORY COMMITTEE (CAC)
CAC RESOLUTION 2021-01

A RESOLUTION OF THE HRPDC/HRTPO COMMUNITY ADVISORY COMMITTEE SUPPORTING THE 2045 LONG-RANGE TRANSPORTATION PLAN (LRTP) DRAFT FISCALLY CONSTRAINED LIST OF PROJECTS.

WHEREAS, the HRTPO Community Advisory Committee's (CAC) provides the HRTPO with a citizen's viewpoint on regional transportation issues, strategies, funding, priorities, and the decision-making process of the HRTPO;

WHEREAS, the development of the 2045 LRTP is in the final stages of its multi-year transportation planning process;

WHEREAS, the HRTPO Board has approved the Prioritization of Scores of the LRTP projects at its January 21, 2021 meeting;

WHEREAS, the HRTPO, in coordination with regional stakeholders, has developed the Draft Fiscally Constrained List of Projects for the 2045 LRTP using Prioritization Scores and forecasted transportation funds;

NOW, THEREFORE, BE IT RESOLVED, that the HRTPO Community Advisory Committee supports the 2045 LRTP Draft Fiscally Constrained List of Projects.

BE IT FURTHER RESOLVED, that the HRTPO Community Advisory Committee respectfully requests that the Hampton Roads Transportation Planning Organization publicize this Resolution on its website and transmit a copy of this Resolution to the HRTPO Board.

APPROVED and ADOPTED by the HRTPO Community Advisory Committee at its meeting on the 11th day of March 2021.

Theresa Danaher
CAC Chair

Carlton Hardy
CAC Vice-Chair