

2045 LONG-RANGE TRANSPORTATION PLAN: DRAFT FISCAL CONSTRAINT



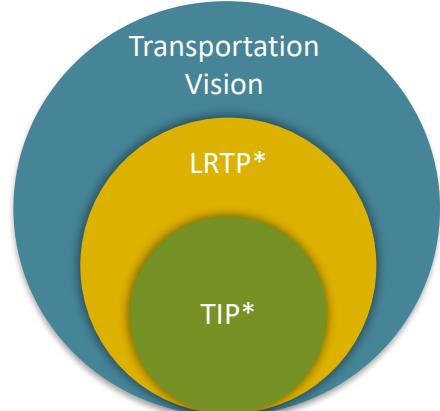
Community Advisory Committee
March 11, 2021

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

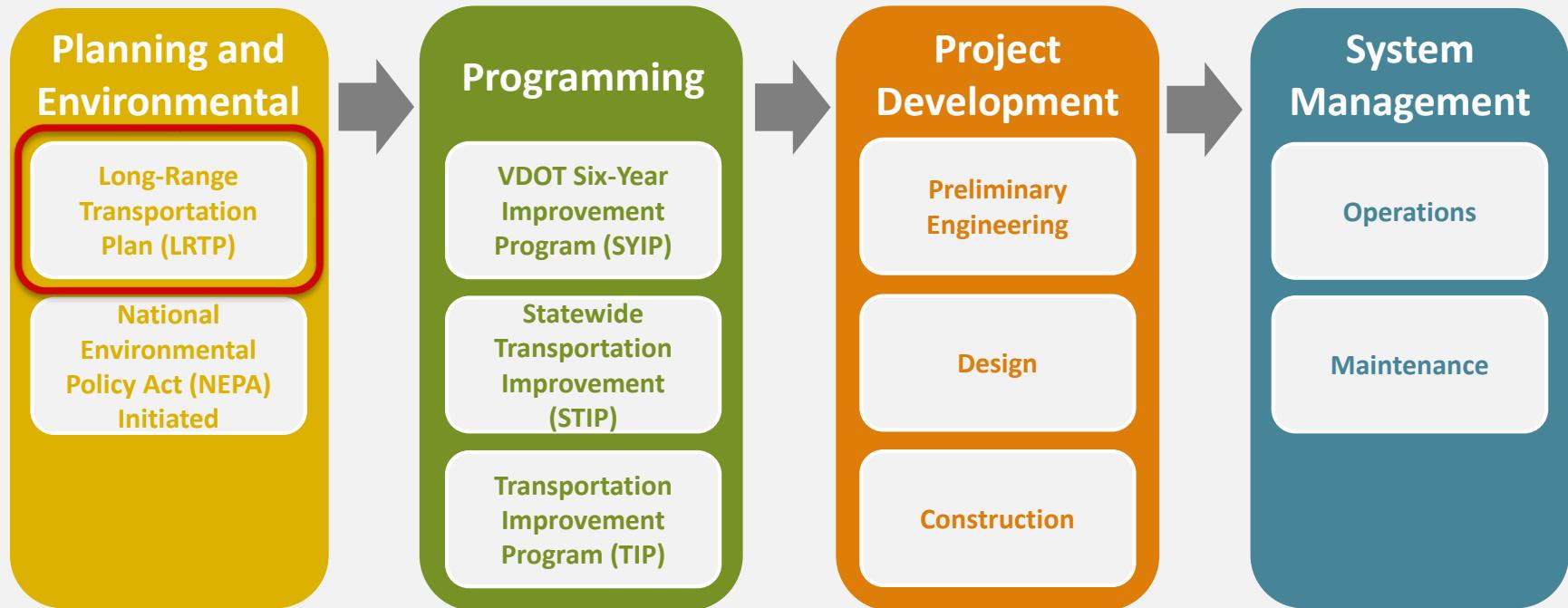


*Fiscally constrained

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

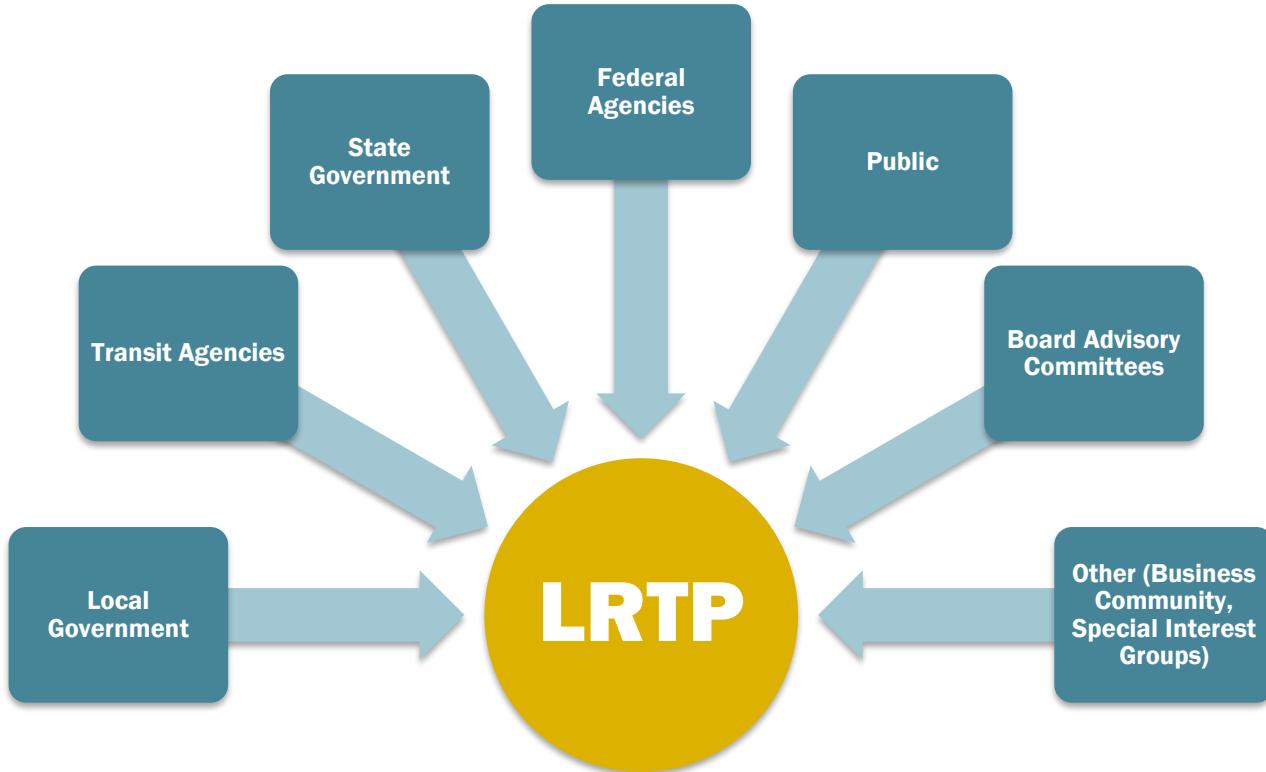


PROJECT PLANNING & DEVELOPMENT PROCESS



LOCAL/REGIONAL/STATE/FEDERAL COORDINATION

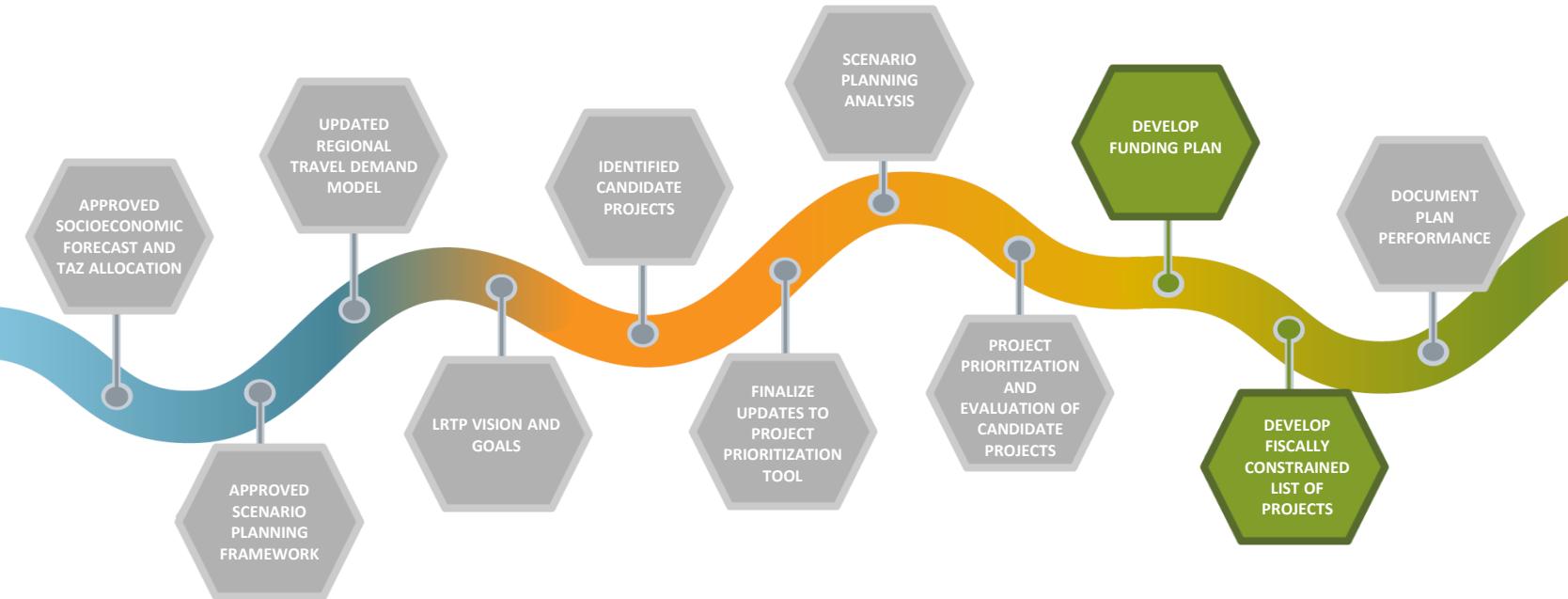
LRTP STAKEHOLDERS



2045 LRTP DEVELOPMENT MILESTONES



Adoption Date: June 2021



**HRTPO
BOARD
APPROVED
2045 LRTP**



YEAR 1

YEAR 2

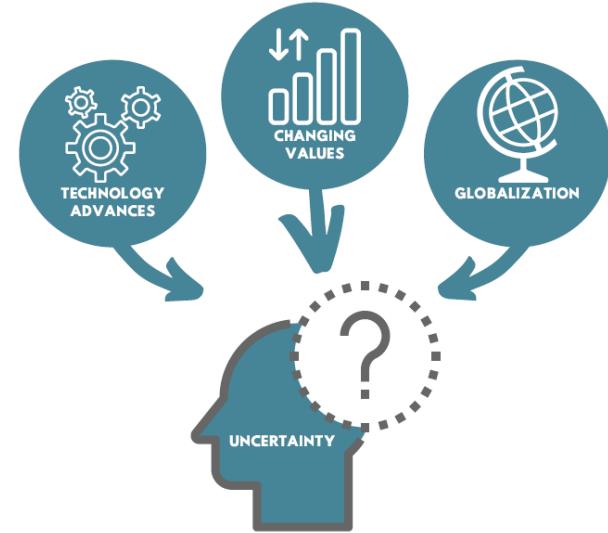
YEAR 3

YEAR 4

YEAR 5



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



**NEED FOR SCENARIO
PLANNING**

YEAR 1

YEAR 2

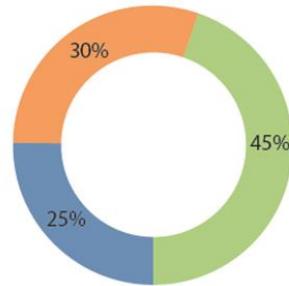
YEAR 3

YEAR 4

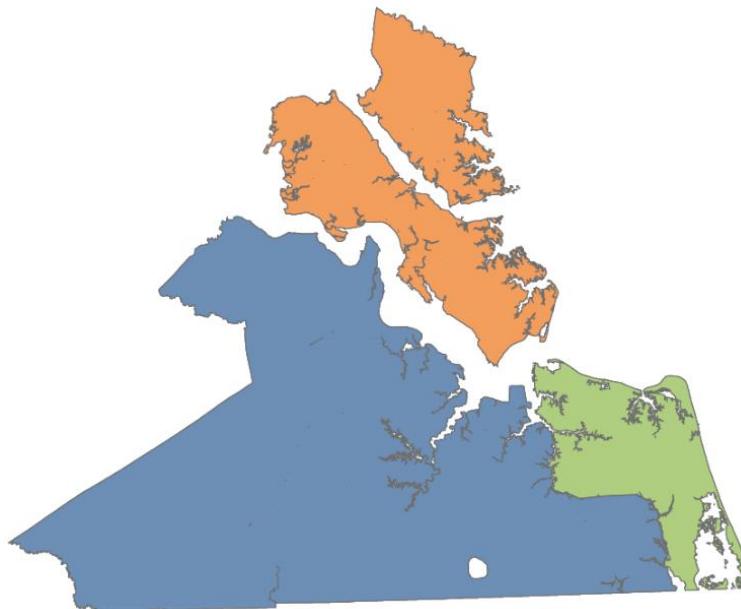
YEAR 5



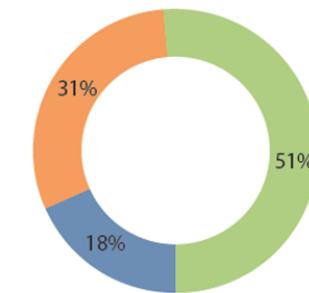
Portion of 2045
Forecasted Population



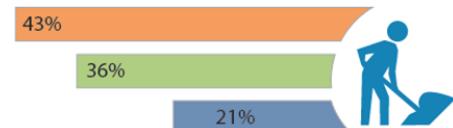
Portion of 2045 Forecasted
Population Growth
2015 to 2045



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

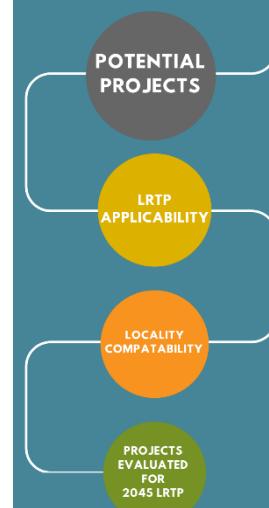
What happens if jobs and housing focus in urban areas, with greater multimodal availability and high adoption of connected vehicle technology?



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



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

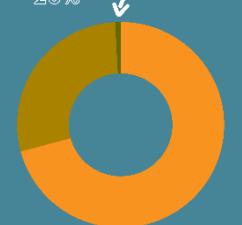
1%

TRANSIT CANDIDATE PROJECTS COST ESTIMATES
\$20 BILLION

28%

ROADWAY CANDIDATE PROJECTS COST ESTIMATES
\$50 BILLION

71%



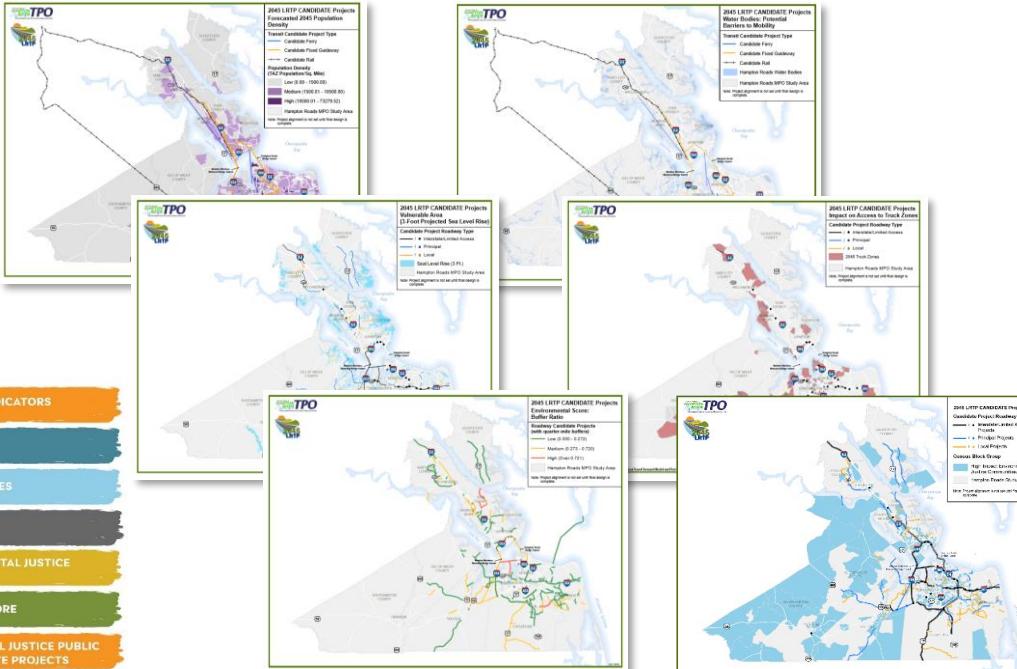
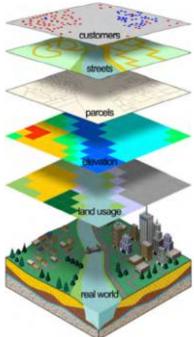
YEAR 1

YEAR 2

YEAR 3

YEAR 4

YEAR 5



- 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 LRTP CANDIDATE PROJECTS

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

YEAR 1

YEAR 2

YEAR 3

YEAR 4

YEAR 5

HRTPO Project Prioritization Tool

Project Utility

Ability to solve a problem

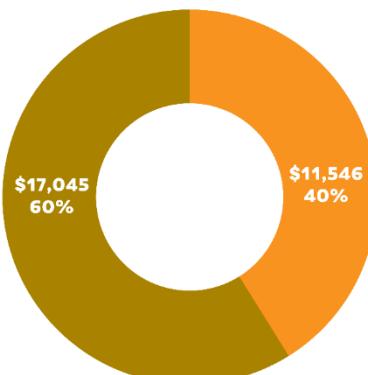
Economic Vitality

Potential for economic gain

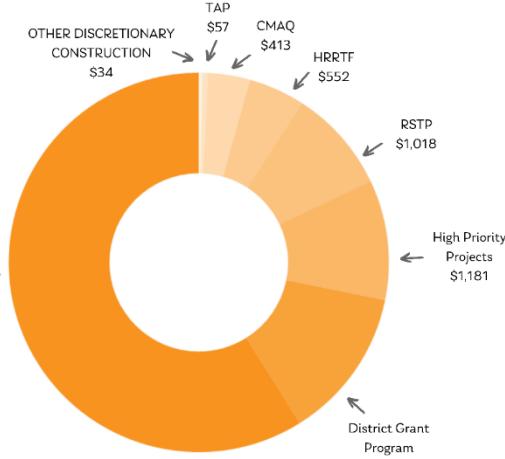
Project Viability

Project readiness and compatibility

Total: \$28,591 Million



\$11,546



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

● TOTAL AVAILABLE FOR CAPACITY IMPROVEMENTS
● MAINTENANCE/ADMINISTRATION/DEBT SERVICE AND FINANCE FEES

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



HAMPTON ROADS REGIONAL TRANSPORTATION FUNDING

- HAMPTON ROADS TRANSPORTATION FUND (HRTF)
- HAMPTON ROADS REGIONAL TRANSIT FUND (HRRTF)



SMART SCALE

- HIGH PRIORITY PROJECTS
- DISTRICT GRANT PROGRAMS



REGIONAL SURFACE TRANSPORTATION PROGRAM



CONGESTION MITIGATION AND AIR QUALITY



TRANSPORTATION ALTERNATIVES SET-ASIDE



OTHER FEDERAL/STATE DISCRETIONARY FUNDING PROGRAMS (NHPP, STP, BRIDGE, SAFETY, ETC.)

TOTAL FORECASTED 2021-2045 REVENUES



Total: \$29,610 Million

TOTAL REVENUES FOR MAINTENANCE AND ADMINISTRATION (2021-2045), IN MILLIONS		TOTAL REVENUES FOR ADDITIONAL CAPACITY (2021-2045), IN MILLIONS	
VDOT and Localities (including SMART SCALE State of Good Repair)	\$13,580	Regional HRTAC (HRTF and HRRTF) Revenues	\$7,353
HRTF (Debt Service, Financing Expenses, Set-Aside for Financing)	\$3,190	Federal and State Revenues	\$4,193
HRRTF (Maintenance and Administration)	\$275	Local/Agency Revenues	\$1,019
MAINTENANCE TOTAL	\$17,045	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

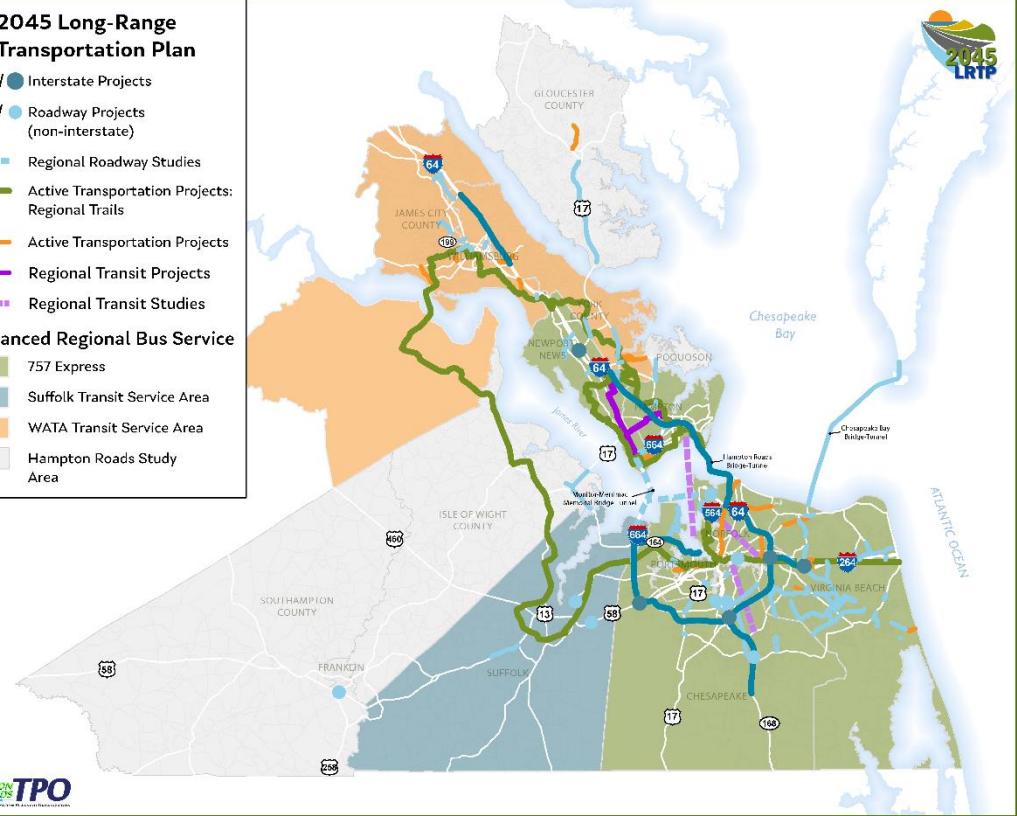
27 Active Transportation Projects

2045 Long-Range Transportation Plan

- / ● Interstate Projects
- / ● Roadway Projects (non-interstate)
- Regional Roadway Studies
- Active Transportation Projects: Regional Trails
- Active Transportation Projects
- Regional Transit Projects
- Regional Transit Studies

Enhanced Regional Bus Service

- 757 Express
- Suffolk Transit Service Area
- WATA Transit Service Area
- Hampton Roads Study Area



DRAFT DEMONSTRATION OF FISCAL CONSTRAINT



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

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

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

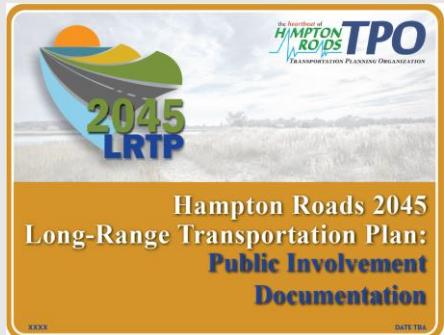
DRAFT AND REMAINING 2045 LRTP REPORTS



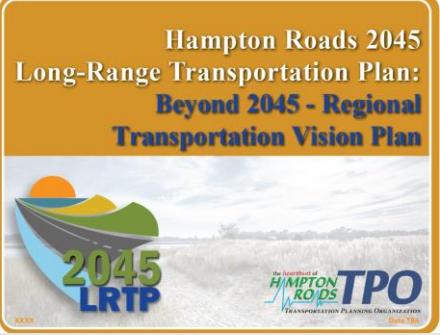
DRAFT



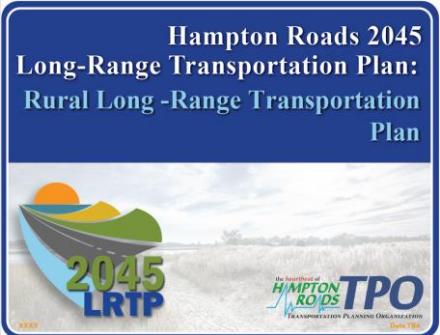
COMING SOON



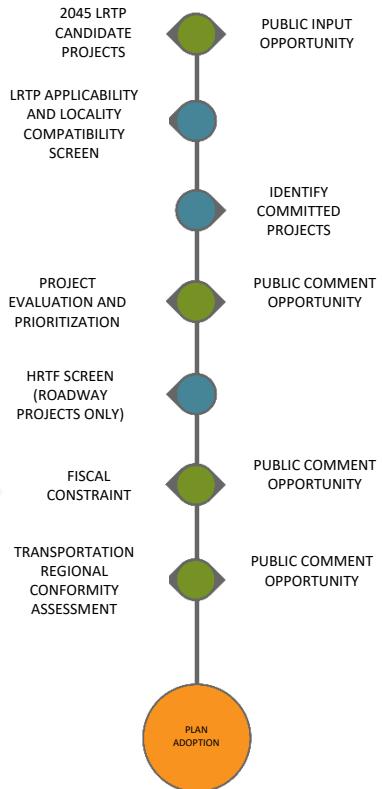
Hampton Roads 2045
Long-Range Transportation Plan:
Beyond 2045 - Regional
Transportation Vision Plan



Hampton Roads 2045
Long-Range Transportation Plan:
Rural Long -Range Transportation
Plan



DRAFT FISCALLY CONSTRAINED LIST OF PROJECTS: OUTREACH



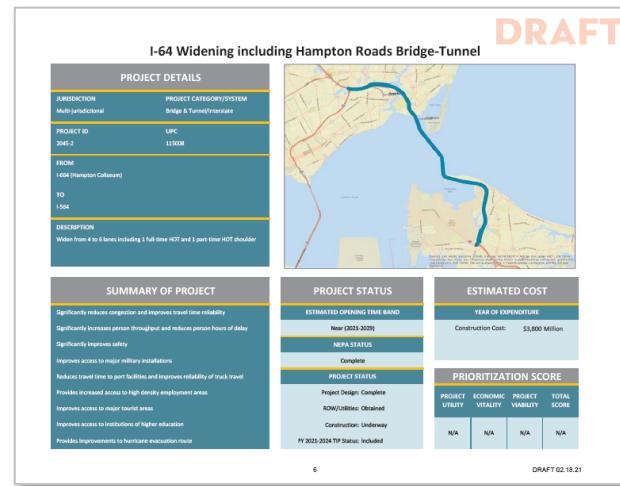
Transportation Technical Advisory Committee

Community Advisory Committee

Freight Transportation Advisory Committee

HRTPO Board

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



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