



# SAWMPO

## 2045 Long Range Transportation Plan

**Adopted: December 2, 2020**



**Staunton Augusta  
Waynesboro**  
Metropolitan Planning  
Organization

112 MacTanly Place  
Staunton, VA 24401  
**Phone** (540) 885-5174  
**Fax** (540) 885-2687  
**SAWMPO.org**

# 2045 Long Range Transportation Plan

## Staunton-Augusta-Waynesboro Metropolitan Planning Organization (SAWMPO)

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### Policy Board

#### Officers

Chair, Bobby Henderson – City of Waynesboro

Vice Chair, Scott Seaton – Augusta County

Secretary/Treasurer, Bonnie Riedesel – Central Shenandoah Planning District Commission (non-voting)

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Steven Rosenberg – City of Staunton

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Jim Shaw – City of Waynesboro

Randy Kiser – Virginia Department of Transportation

Mack Frost – Federal Highway Administration (non-voting)

Michele DeAngelis – Federal Transit Administration (non-voting)

Rusty Harrington – Virginia Department of Aviation (non-voting)

Steve Wilson – Virginia Regional Transit (non-voting)

Wood Hudson – Virginia Department of Rail and Public Transportation (non-voting)

### Technical Advisory Committee

#### Officers

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#### Members

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Luke Juday – City of Waynesboro

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Wood Hudson – Virginia Department of Rail and Public Transportation

Devon Thompson – Central Shenandoah Planning District Commission (non-voting)

Mack Frost – Federal Highway Administration (non-voting)

Michele DeAngelis – Federal Transit Administration (non-voting)

Rusty Harrington – Virginia Department of Aviation (non-voting)

Steve Wilson – Virginia Regional Transit (non-voting)

Terry Short – Virginia Department of Transportation (non-voting)

# 2045 Long Range Transportation Plan

## Report Documentation

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### Contact Information

112 MacTanly Place; Staunton, Virginia 24401  
Phone (540) 885-5174 • Fax (540) 885-2687  
Virginia Relay for Hearing & Voice Impaired: Within Virginia 7-1-1;  
Outside Virginia Voice 800-828-1140 • Hearing 800-828-1120  
Website: [www.sawmpo.org](http://www.sawmpo.org)

### Title

SAWMPO 2045 Long Range Transportation Plan

### Authors

Ann Cundy, Director of Transportation, SAWMPO  
Zach Beard, Transportation Planner, SAWMPO

# 2045 Long Range Transportation Plan

## Disclaimer

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This report has been prepared in cooperation with, and financed in part, by the U.S. Department of Transportation Federal Highway Administration, the Federal Transit Administration, the Virginia Department of Transportation, and the Virginia Department of Rail and Public Transportation. The contents of this report reflect the views of the Central Shenandoah Planning District Commission and Staunton-Augusta-Waynesboro Metropolitan Planning Organization, which are responsible for the facts and accuracy of the data presented herein. The contents do not necessarily reflect the official views or policies of the Federal Highway Administration, Federal Transit Administration, the Virginia Department of Transportation, or the Virginia Department of Rail and Public Transportation. This report is not a legal document, and does not constitute a standard, specification, or regulation. Although much care was taken to ensure the accuracy of information presented in this document, CSPDC does not guarantee the accuracy of this information.

Acceptance of this report as evidence of fulfillment of the objectives of this planning study does not constitute endorsement/approval of the need for any recommended improvement, nor does it constitute approval of their location and design or a commitment to fund any such improvements. Additional project level environmental impact assessments and/or studies of alternatives may be necessary.

## Non-Discrimination Statement

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The SAWMPO ensures non-discrimination and equal employment in all programs and activities in accordance with Title VI and Title VII of the Civil Rights Act of 1964. If you have questions or concerns about your civil rights in regard to this project, or if you need special assistance for persons with disabilities or limited English proficiency, please contact the SAWMPO. For more information, or to obtain a Title VI Complaint Form, view the [SAWMPO PPP and Title VI Plans](#), or call (540) 885-5174.

# 2045 Long Range Transportation Plan

## Resolution



112 MacTanly Place  
Staunton, VA 24401

Phone (540) 885 5174  
Fax (540) 885 2687

**RESOLUTION APPROVING THE STAUNTON-AUGUSTA-WAYNESBORO  
METROPOLITAN PLANNING ORGANIZATION (SAWMPO)  
2045 LONG RANGE TRANSPORTATION PLAN (LRTP)**

WHEREAS, the Staunton-Augusta-Waynesboro Metropolitan Planning Organization (SAWMPO) Policy Board has developed the 2045 LRTP in accordance with federal and state planning guidelines and requirements; and

WHEREAS, the 2045 LRTP was developed by SAWMPO staff, consultants and the Technical Advisory Committee (TAC), and reviewed by the TAC and Policy Board; and

WHEREAS, the 2045 LRTP included early stakeholder and public outreach, and was released for presentation to the public for comment at the Policy Board meeting, and duly advertised in the local media; and

WHEREAS, the SAWMPO has documented all public comments, and all agency comments received have been addressed;

NOW, THEREFORE, BE IT RESOLVED, by the SAWMPO Policy Board, that it does hereby approve for final adoption the 2045 LRTP on this 2<sup>nd</sup> day of December 2020.

SIGNED:

Bobby Henderson  
Chairman  
Staunton-Augusta-Waynesboro  
Metropolitan Planning Organization

ATTEST:

Bonnie Riedesel  
Secretary/Treasurer  
Staunton-Augusta-Waynesboro  
Metropolitan Planning Organization

# 2045 Long Range Transportation Plan

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## Glossary

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### **23 CFR, Part 450**

Title 23 Code of Federal Regulations, Part 450 is Federal regulations pertaining to statewide and metropolitan transportation planning.

### **23 USC 134**

23 United States Code 134 is the part of the USC that governs the metropolitan transportation planning process.

### **3C**

Employing a Continuing, Cooperative and Comprehensive (3C) planning process is a requirement for all MPOs as specified in 23 CFR 450.300.

### **Average Annual Daily Traffic (ADT)**

Average Annual Daily Traffic is a measure used primarily in transportation planning and transportation engineering. It is the total volume of vehicle traffic of a highway or road for a year divided by 365 days. (Fredericksburg)

### **Accessibility**

Accessibility is the extent to which facilities are barrier-free and useable by persons with disabilities, including wheelchair users.

### **Americans with Disabilities (ADA)**

The Americans with Disabilities Act is a Federal law that requires public facilities, including transportation services, to be accessible to persons with disabilities, temporary disabilities and the conditions related to substance abuse.

### **Constrained Long Range Plan (CLRP)**

Developed and approved by the SAWMPO, the Financially-Constrained Long Range Transportation Plan (CLRP) is a regional plan that includes all transportation projects and programs that the MPO realistically anticipates can be implemented over the next 25 years. In order to receive federal funding, transportation projects must be included in the CLRTP and the TIP.

### **Civil Rights Act of 1964, Title VI**

Title VI of the Civil Rights Act of 1964 prohibits federal agencies and sub-recipients of federal funds from discriminating, on the basis of race, color or national origin, against participants or clients of programs that receive Federal funding. Subsequent laws and Presidential Executive Orders added handicap, sex, age, or income status to the criteria for which discrimination is prohibited.

### **Commonwealth Transportation Board (CTB)**

The 17-member Commonwealth Transportation Board, appointed by the governor, establishes the administrative policies for Virginia's transportation system. The CTB allocates highway funding to specific projects, locates and provides funding for airports, seaports and public transportation.

# 2045 Long Range Transportation Plan

## **Department of Rail and Public Transportation (DRPT)**

Virginia Department of Rail and Public Transportation is an agency under the Virginia Secretary of Transportation (as is VDOT) providing technical and financial assistance to Virginia's public transit.

## **Environmental Justice**

The 1994 Presidential Executive Order directs Federal agencies to identify and address the needs of minority and low-income populations in all programs, policies and activities.

## **Executive Order 12898**

Executive Order 12898 mandates that federal agencies address equity and fairness or Environmental Justice toward low-income and minority populations.

## **Executive Order 13166**

Executive Order 13166 mandates that federal agencies ensure that people who have Limited English Proficiency (LEP) have meaningful access to federally-conducted and/or funded programs and activities.

## **Federal Highway Administration (FHWA)**

Within the U.S. Department of Transportation, the Federal Highway Administration is responsible for highway issues, including federal laws and regulations related to metropolitan transportation planning.

## **Fixing America's Surface Transportation (FAST) Act**

The Fixing America's Surface Transportation (FAST) Act, passed by Congress in 2015, is a funding and authorization bill to govern United States federal surface transportation spending. The \$305 billion, five-year bill is funded without increasing transportation user fees.

## **Fiscal Constraint**

Ensuring that a given program or project can reasonably expect to receive funding within the time allotted for its implementation.

## **Federal Transit Administration (FTA)**

Within the U.S. Department of Transportation, the Federal Transit Administration is responsible for public transit issues, including federal laws and regulations related to metropolitan transportation planning.

## **Functional Classification**

The process by which streets and highways are grouped into classes, or systems, according to the character of service they are intended to provide. Roadways are assigned to one of several possible functional classifications within a hierarchy according to the character of travel service each roadway provides. Planners and engineers use this hierarchy of roadways to channel transportation movements efficiently and cost effectively.

## **Moving Ahead for Progress in the 21<sup>st</sup> Century Act (MAP-21)**

Moving Ahead for Progress in the 21<sup>st</sup> Century Act was signed into law in 2012 and provides Federal funding authority for surface transportation programs at over \$105 billion for fiscal years (FY) 2013 and 2014. MAP-21 is the first long-term highway authorization enacted since 2005.

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## **Metropolitan Planning Organization (MPO)**

Federal transportation laws and regulations require the establishment of a Metropolitan Planning Organization in every urbanized area of the U.S. with a population over 50,000. MPOs are responsible for meeting the federal metropolitan planning regulations for transportation.

## **Multimodal**

A multimodal transportation system has the availability of multiple transportation options. A multimodal approach to transportation planning focuses on the most efficient way of getting people or goods from place to place, be it by truck, train, bicycle, automobile, airplane, bus, boat, foot and including telecommuting.

## **National Highway System (NHS)**

The National Highway System is an approximately 160,000-mile network consisting of the 42,500 miles of the Interstate system, plus other key roads and arterials through the United States. Designated by Congress in 1995 pursuant to a requirement of the Intermodal Surface Transportation Efficiency Act, the NHS is designed to provide an interconnected system of principal routes to serve major travel destinations and population centers.

## **Paratransit**

Paratransit is defined as comparable transportation service required by the ADA of 1990 for individuals with disabilities who are unable to use fixed-route transportation systems.

## **Performance Measures**

Indicators of how well the transportation system is performing with regard to such things as average speed, reliability of travel and accident rates. Used as feedback in the decision-making process.

## **Policy Board**

The Policy Board directs and approves transportation planning and related implementation activities within the metropolitan area. The Policy Board consists of seven elected or appointed officials from the Cities of Staunton and Waynesboro, Augusta County and VDOT. The Board adheres to and abides by the SAWMPO Bylaws.

## **SAFETEA-LU**

Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users is the 2005 amendment of the U.S. Code Transportation section and related federal funding bill.

## **Scenario Planning**

Scenario planning is a process that evaluates the effects of alternative policies, plans, and/or programs on the future of a community or region. This activity can provide information to decision-makers as they develop transportation plans.

## **Section 504 of the Rehabilitation Act of 1973**

Section 504 of the Rehabilitation Act of 1973 states that no qualified disabled person shall, solely by reason of his disability, be excluded from participation in, be denied the benefits of or be subjected to discrimination under any program or activity that receives or benefits from federal financial assistance. This Act protects qualified individuals from discrimination based on their disability.

# 2045 Long Range Transportation Plan

## **Smart Scale**

SMART SCALE is the method of evaluating state-wide transportation grant applications on measures such as congestion, safety, economic development, accessibility, etc. The applications are based on the needs identified in VTrans. Localities can submit applications every two-years.

## **State Transportation Improvement Program (STIP)**

The State Transportation Improvement Program is a four-year programmatic document that requires joint FHWA and FTA approval and that portrays the projected use of legally committed federal obligated dollars to transportation projects over the course of the four-year documents. The STIP is produced at least every four years.

## **Transportation Advisory Committee (TAC)**

The Transportation Advisory Committee is a committee of elected officials within the local MPO responsible for communication and coordination between various policy boards and that takes action on issues in the transportation planning process.

## **Transportation Alternatives Program (TAP)**

MAP-21 created a funding category for projects that enhance the compatibility of transportation facilities with their surroundings. Examples of Transportation Alternatives projects include bicycle and pedestrian paths, restoration of rail depots or other historic transportation facilities, and acquisition of scenic or open space lands next to travel corridors.

## **Transportation Analysis Zone (TAZ)**

A traffic analysis zone or transportation analysis zone is the unit of geography most commonly used in conventional transportation planning models. The size of a zone varies, but for a typical metropolitan planning software, a zone of under 3,000 people is common.

## **Transit Development Plan (TDP)**

The Transit Development Plan is an intermediate-range transit plan (usually five years) that examines service, markets and funding to make specific recommendations for transit improvements.

## **Transportation Demand Management (TDM)**

Transportation demand management (TDM), is defined a set of strategies aimed at maximizing traveler choices. TDM provides travelers with choices, such as work location, route, time of travel and mode. In the broadest sense, TDM is defined as providing travelers with effective choices to improve travel reliability.

## **Travel Demand Model**

Travel demand models use current travel behavior to predict future travel patterns from a sample of travel behavior data. Travel demand models are critical tools for planners and engineers, who use them to forecast the transportation needs of the communities they serve.

## **Transportation Improvement Plan (TIP)**

The Transportation Improvement Program is a list of projects and programs that will be implemented over the next six years. In order to receive federal funding, projects must be included in the CLRP and the TIP.

# 2045 Long Range Transportation Plan

**Title VI Civil Rights Act of 1964**

Ensures that no person shall, on the grounds of race, color, sex, national origin, or physical handicap, be excluded from participation in, be denied benefits of, or be otherwise subjected to discrimination under any program receiving Federal assistance from the United States Department of Transportation.

**Transportation Disadvantaged**

People who are unable to transport themselves or purchase transportation due to disability, income status or age.

**Unified Planning Work Program (UPWP)**

This document defines the transportation planning processes and programs used by the Metropolitan Planning Organization and is normally developed and adopted on an annual basis.

**Virginia Department of Transportation (VDOT)**

Virginia Department of Transportation is the agency responsible for statewide transportation facility planning, construction and maintenance.

**Vision List**

The SAWMPO LRTP defines the Vision List as those projects which the MPO has identified as needs for the next 25 years, but which exceed the projected available revenues for the planning period.

**Vehicle Miles Traveled (VMT)**

Vehicle Miles Traveled is the total number of miles driven by all vehicles within a given time and geographic area, and it is used by regional transportation and environmental agencies for planning purposes. Since 1970, vehicle emissions have decreased even as vehicle miles traveled have increased.

**Volume over Capacity (V/C)**

Volume/Capacity ratio: A ratio  $>1$  indicates the facility is carrying more traffic than it can handle and improvements may be needed.