Demographic Trends

Forecast Change in Population Growth (By Construction District 2017-2045)

Virginia’s population is forecast to increase by 24% by 2045.

Total State Population (millions)

- 2017: 8,470,020
- 2045: 11,156,024

Total Persons (by age group)

- Under 20: 25%
- 21-64 years: 56%
- 65 and over: 19%

Demographic Trends

Transportation Trends

PAVEMENT AND BRIDGE CONDITION

What do we measure?
Percentage of pavement (lane miles) and bridges (deck area) in good, fair, and poor condition based on defined measurement standards.

How do we measure it?
VDOT collects pavement and bridge condition data yearly. FHWA has established Good and Poor performance rating thresholds.

What are our targets?
Percentage of pavement (lane miles) and bridges (deck area) in good, fair, and poor condition based on defined measurement standards.

How will we get there?
- Increase the lane miles of pavement in good condition and decrease lane miles in poor condition.

TRANSIT FLEET CONDITION

What do we measure?
Percentage of revenue vehicles by asset class that have met or exceed the useful life benchmark.

How do we measure it?
The useful life benchmark (ULB) indicates how many years a vehicle can be in service and still be in a state of good repair (typically 12 years for a bus and 4 years for a van).

What are our targets?
Tier 1 transit providers (>100 vehicles) like VRE, WMATA, HRT develop their own targets and Transit Asset Management Plans. For Tier 2 providers (<100 vehicles) DRPT develops a Group Plan and targets.

2019 Targets
- Commuter Bus: 15% meet or exceed ULB
- Bus: 10% at or past ULB
- Van: 25% at or past ULB

HOW TRAVELERS EXPERIENCE

WHAT TRAVELLED EXPERIENCE

What are our targets?
- Improve reliability for all passenger modes and trucks.
- Reduce the number and severity of truck freight bottlenecks.

WHAT TRAFFIC CONDITIONS

How do we measure it?
- Travel time
- Speed

What are our targets?
- Travel times are goals per day to day
- Improve reliability for all passenger modes

SAFETY PERFORMANCE TARGETS

What do we measure?
Deaths on Virginia’s highways and streets had been on a decline from 2007 to 2014. Due to factors such as distracted driving and growth in travel, fatalities have increased 19.9% between 2014 to 2017. Any transportation related fatality and serious injury is unacceptable.

How will we get there?
- Increasing vehicle miles traveled (VMT) and other socio-economic factors are shifting safety trends. To promote actions toward zero deaths, Virginia sets annual safety targets to evaluate progress toward fatality and serious injury reductions.

 Virginia’s transportation system is a complex network of highways, streets, sidewalks, trails, rail corridors, transit systems, information systems, airports and runways, shipping ports and docks, intermodal connectors, and even a space port. This variety is the essence of a “multimodal” transportation system.