Office of Intermodal Planning and Investment
Making Connections

Land Use Forum - May 10, 2018
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“. . . Create a unparalleled transportation network, we [transportation] are the invisible platform to which our economy is built.”

- Secretary Shannon Valentine
The Vision for Transportation

- **Virginia continues to be open for business**
  - Spur economic development
- **Best state to raise a family**
  - Improve quality of life
- **21st century multimodal transportation system**
  - Seamlessly connected network
- **Safe, resilient and efficient transportation system**
  - Transportation choice
- **Leverage innovation**
  - Technology is helping to bridge gaps
- **Improve connectivity across the Commonwealth**
  - March 2018 Virginia was named as recipient of Smart Cities Grant
  - Supports Virginia’s efforts to make the state a leader in smart communities
  - Build better framework for initiatives such as expanding broadband
OIPI Supporting the Vision

- Encourage the coordination of multimodal and intermodal planning
- Provide long term multimodal planning to guide smart investment decisions
- Encourage innovation and best practices
- Promote coordination between transportation investments and land use planning
- Three program areas
  - Performance Measures and Performance Reporting
  - VTrans Multimodal Transportation Plan
  - SMART SCALE

Performance Management
- Measures
- Targets

VTrans
- Vision
- Goals & Objectives
- Trends
- Needs

Board Actions
- SMART SCALE
- Policies
- Project Selection
Performance Measures
Performance Reporting

• Moving Ahead for Progress in the 21st Century Act (MAP-21)
• Establishes performance targets for:
  – Asset Management - Pavements and Bridges
  – System Performance - Reliability
  – Congestion
  – Air Quality
  – Safety
• HB2241/SB1331 (2017) - Commonwealth Transportation Board (CTB) establish performance targets for surface transportation
• Important to identify other performance areas that are important - i.e., accessibility, economic vitality, land use, etc.
Performance Reporting

- Understand how the system is working
- Are targets being achieved?
  - If not, why not?
- Determine whether current investment strategies are working
- Evaluate trends to draw parallels between similar areas and identify potential strategies
- Evaluate the short and long-term effectiveness of various treatments
- Inform future development
  - Can performance be maintained by establishing policy?
- Proactively consider trade-offs between investment strategies
- Identify and examine trends
Statewide Transportation Plan

VTrans 2040
Statewide Transportation Plan

Good for Business – Good for Communities – Good to Go

• VTrans establishes goals, objectives, and priorities that cover at least a 20-year planning horizon years.

• VTrans2040 includes:
  — Vision that support the guiding principles, goals, objectives, and is a data-driven trends analysis to provide a framework for implementing the Vision.
  — VTrans Multimodal Transportation Plan 2025 (VMTP), which includes four companion efforts:

  - 2025 Needs Assessment
  - 2025 Recommendations
  - 2040 Scenarios
  - 2040 Freight Analysis
Trends Analysis

- Part of the first phase of developing VTrans2040
- To understand how future trends may shape transportation demand, supply and performance

**TRENDS** (what the world may look like in 2040)

- DEMOGRAPHIC / SOCIAL
- ECONOMIC
- TECHNOLOGICAL
- ENVIRONMENTAL

**OUTCOMES** (what transportation may look like in 2040)

- DEMAND / BEHAVIOR
- SUPPLY / DELIVERY
- OPERATIONS / PERFORMANCE
Trends are telling us that . . .

- Commute times and travel choice matter
  - Lexington city 28.29% walk or bike to work
  - Arlington county 27.24% use transit or rail
  - Nelson county 17.74% travel with someone
- Top 5 industry sectors by payroll shifts in the 2040 economy
- Freight mode shifts in the 2040 economy
- Millennials and Boomers are car-light
  - Transportation can build better communities through placemaking

Why is this important?
*Trends shape the vision and future of the Commonwealth's Transportation network*

Create a great place + People will come + Jobs follow = Community Thrives
Every community type has unique appeal
The ideal neighborhood is a 15-minute livable community
Responding to the VTrans Vision and SMART SCALE
  - Urban Development Area Grant Program restarted
  - Promote economic development
  - Promote land use planning
  - Maximize the use of transportation investment dollars
Benefits of the UDA Grant Program
  - Localities: expertise given on how to pan for missed use development, redevelopment etc.
  - Commonwealth: more compact development, less $$ for transportation expansion, maintenance
  - To both: builds public support for managed growth, more predictable land use and transportation integration
SMART SCALE
SMART SCALE
Factors/Goals that drive process

• Safety – reduce the number and rate of fatalities and severe injuries
• Congestion – reduce person hours of delay and increase person throughput
• Accessibility – increase access to jobs and travel options
• Economic Development – support economic development and improve goods movement
• Environmental Quality – improve air quality and avoid impacts to the natural environment
• Land Use – support transportation efficient land development patterns

Measures do not focus on the size of the problem but instead on expected outcomes
Collaborative Partners

Reality - Transportation needs in Virginia far exceed available revenue

Local Actions
- Support denser mixed-use development conducive to transit, bikeability and walkability
- Housing affordability - to reduce outward (sprawl) growth pressure
- Preserving right-of-way for future transportation - easements
- Involve state and regional stakeholders in local land use planning process - ask for input

State/MPO Actions
- Optimize and fine tune existing transportation infrastructure and services - before major investments
- Provide data/analytical support to help identify needs and develop cost effective solutions
- Involve local land use staff in state and regional transportation planning process - ask for input
Transportation and Land Use Connection

- Transportation connects us to all of our activities, connects communities, and is affected by land use decisions.
- Land uses affect the environment, interact with one another, and depend on transportation and infrastructure in order to function.
- Land use planning relates to the physical environment where we live and work.
- **Local Governments** - Control land use decisions, local transportation investments.
- **State and MPOs** - Make transportation funding decisions.

Localities  State/MPOs
Thank You

- VTrans - www.vtrans.org
- SMART SCALE website - http://smartscale.org
  - Policy Guide and Technical Guide -
    http://smartscale.org/resources/default.asp
  - SMART Portal - https://smartportal.virginiahb2.org
- Performance Measures and Performance Reporting - Under Development
- OIPI office website – Under Development