



Office of  
**INTERMODAL**  
Planning and Investment

## **Office of Intermodal Planning and Investment** Making Connections

**Land Use Forum - May 10, 2018**

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# The Vision for Transportation



*“. . . Create a unparalleled transportation network, we [transportation] are the invisible platform to which our economy is built.”*

**- Secretary Shannon Valentine**

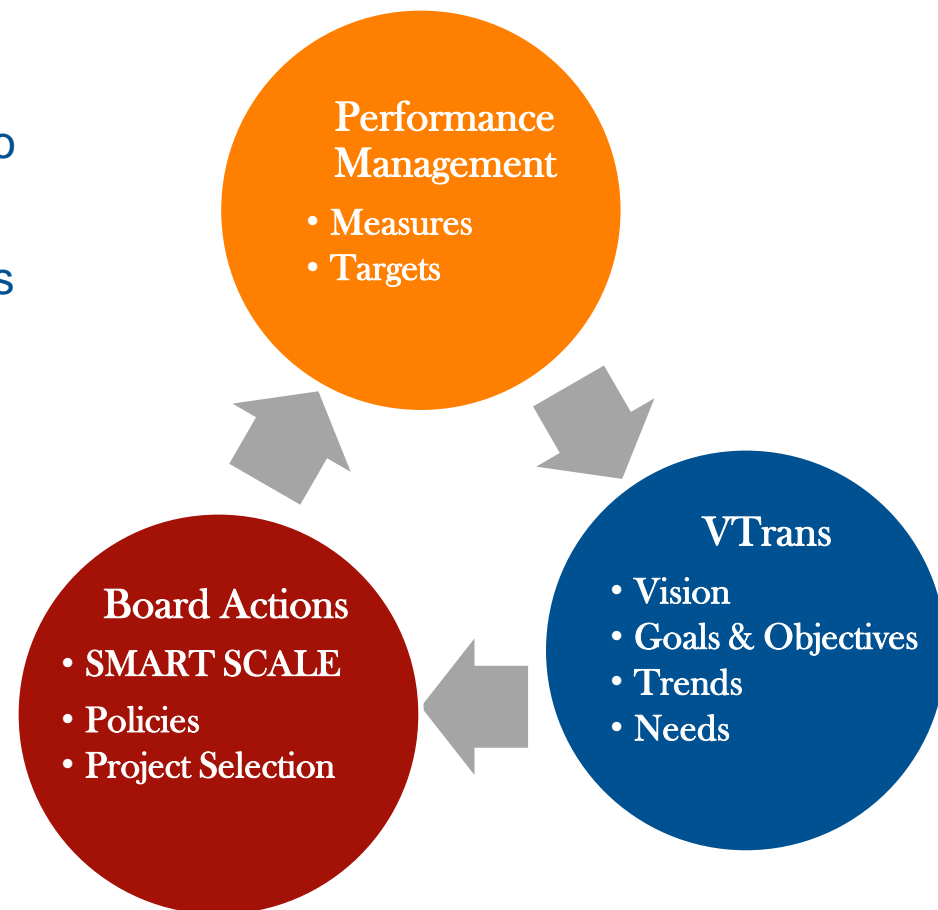
# The Vision for Transportation



- **Virginia continues to be open for business**
  - Spur economic development
- **Best state to raise a family**
  - Improve quality of life
- **21<sup>st</sup> 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 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)

## OUTCOMES

(what transportation may look like in 2040)

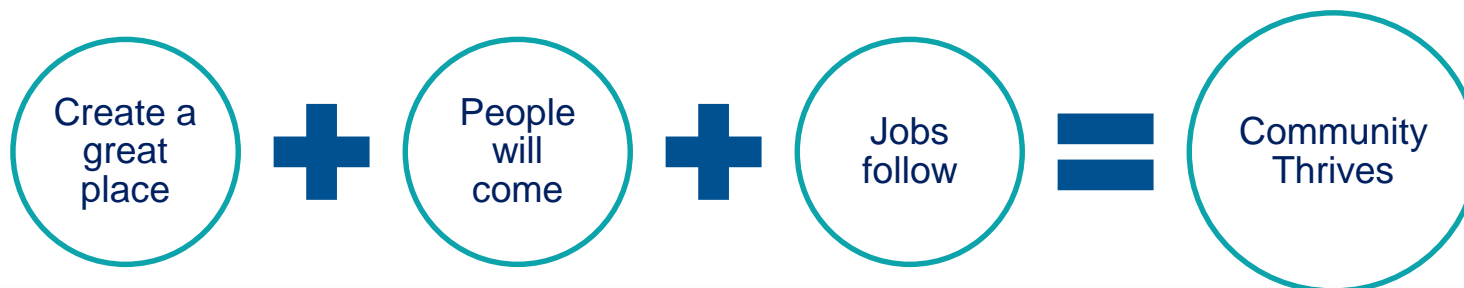


# Trends are telling us that . . .

- 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 Commonwealths Transportation network***



# Trends are telling us that . . .



- 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





# Thank You

- VTrans - [www.vtrans.org](http://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