

TransAction Update

Listening Session

January 9, 2020



Presented by:

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Agenda



1. Purpose of Listening Session
2. Context
3. Key Elements of TransAction
4. Schedule



Purpose of Listening Session



- Official kick-off to the TransAction update process;
- Listen to comments and suggestions on the future of transportation in Northern Virginia;
- Consider adjustments to the TransAction scope of work.

Note: the Public Hearing for the Authority's ongoing Six Year Program update will be held in April 2020.



Context: Why do Long-Range Transportation Planning?

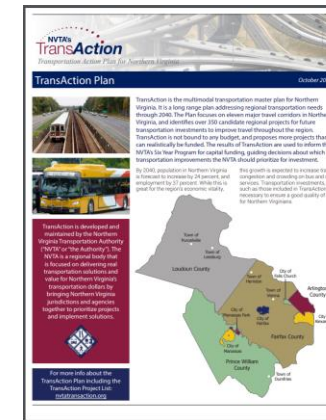
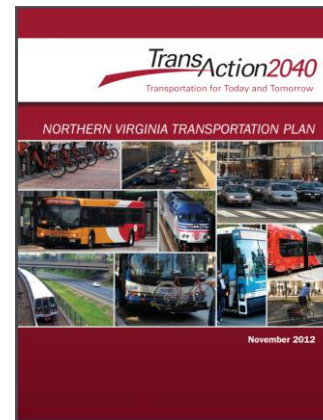
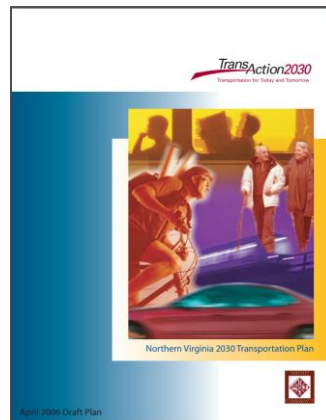
- Understand transportation needs across Northern Virginia and beyond, over the next 20-25 years;
- Evaluate transportation solutions that best meet these needs, and the Authority's vision and goals;
- Unconstrained by geography and funding capacity;
- Informs Authority's decision-making for future investments in the transportation system;
- Statutory requirement.





Context: Two Primary Responsibilities

1. Develop and update the long-range, multimodal Transportation Plan for Northern Virginia → TransAction (updated every five years, last adopted October 2017)

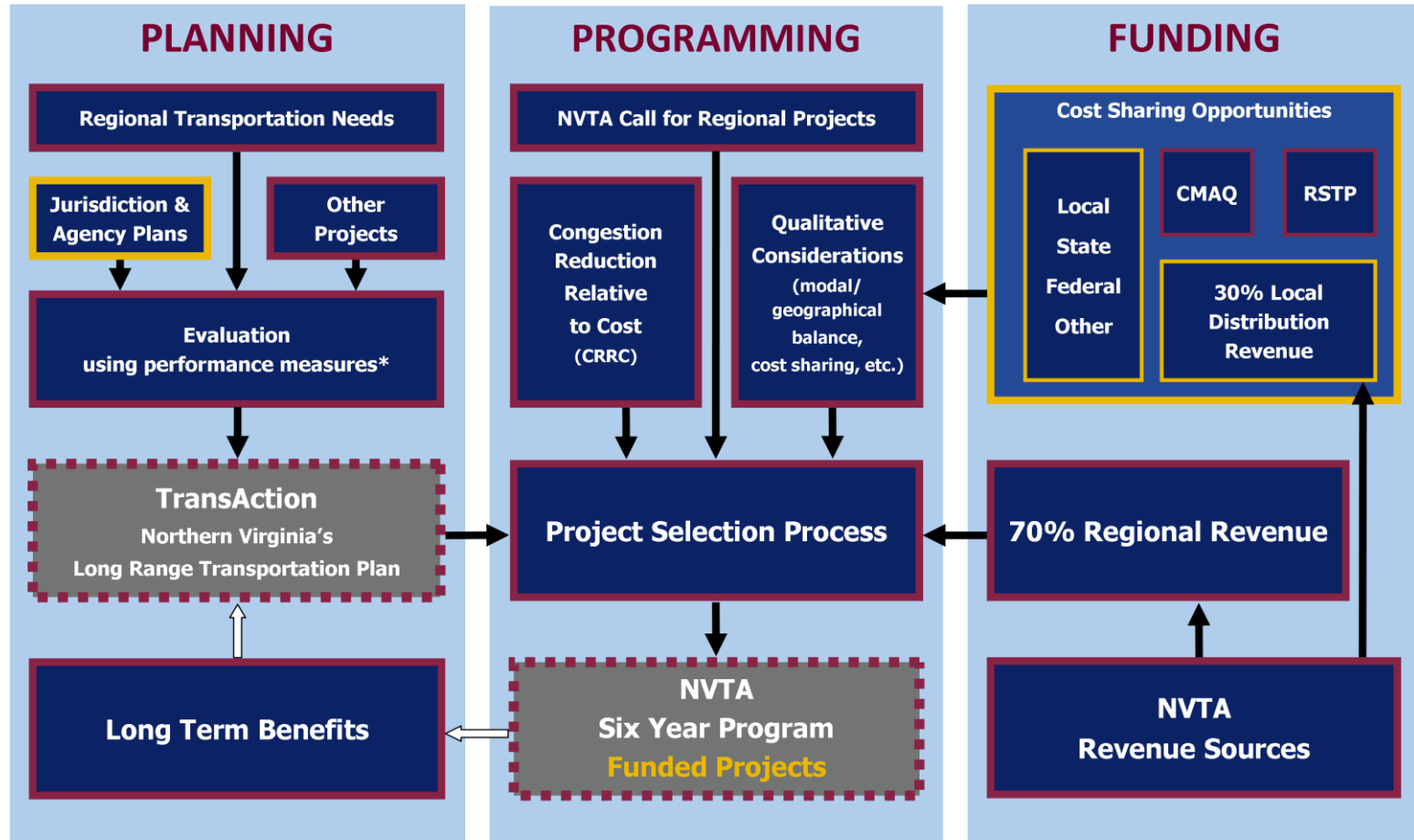


2. Prioritize and fund regional transportation projects → Six Year Program (updated every two years, FY2018-FY2023 Six Year Program adopted June 2018)

Note: In addition to the FY2018-FY2023 Six Year Program, the Authority has funded transportation projects through its FY2014, FY2015-2016, and FY2017 Programs.



Context: Overview of NVTA Process



* Includes Transaction Project Ratings





Context: Vision and Goals

TransAction Vision Statement

"In the 21st century, Northern Virginia will develop and sustain a multimodal transportation system that enhances quality of life and supports economic growth.

Investments in the system will provide effective transportation benefits, promote areas of concentrated growth, manage both demand and capacity, and employ the best technology, joining rail, roadway, bus, air, water, pedestrian, and bicycle facilities into an interconnected network that is fiscally sustainable."

| Goal | Objective | Performance Measure | Weight |
|--|---|--|--------|
| Goal 1: Enhance quality of life and economic strength of Northern Virginia through transportation | Reduce congestion and crowding experienced by travelers in the region | Total person hours of delay* | 10% |
| | | Transit crowding* | 5% |
| | | Person hours of congested travel in automobiles* | 5% |
| | | Person hours of congested travel in transit vehicles* | 5% |
| | Improve travel time reliability | Congestion severity: maximum travel time ratio | 5% |
| | | Congestion duration* | 10% |
| | Increase access to jobs, employees, markets, and destinations | Percent of jobs/population within 1/2 mile of high frequency and/or high performance transit | 5% |
| | | Access to jobs within 45 minutes by auto or within 60 minutes by transit* | 5% |
| Improve connections among and within areas of concentrated growth | Average travel time per motorized trip between Regional Activity Centers | 5% | |
| | Walkable/bikeable environment within a Regional Activity Center | 5% | |
| Goal 2: Enable optimal use of the transportation network and leverage the existing network | Improve the safety of transportation network | Safety of the transportation system | 5% |
| | Increase integration between modes and systems | First and last mile connections | 10% |
| | Provide more route and mode options to expand travel choices and improve resiliency of the system | Share of travel by non-SOV modes | 10% |
| | Sustain and improve operation of the regional system | Person hours of travel caused by 10% increase in PM peak hour demand* | 5% |
| Goal 3: Reduce negative impacts of transportation on communities and the environment | Reduce transportation related emissions | Vehicle miles traveled (VMT) by speed | 10% |

* Measure included in HB 599 rating process.



Key Elements of TransAction



- Vision, goals, objectives, weighted performance measures
- For current and horizon years:
 - Determine baseline transportation needs/issues*, travel patterns and conditions
- Identify/review candidate regional projects
 - Bottom-up
 - Top-down
- Horizon year:
 - Evaluate/optimize performance of project 'packages' in corridor and corridor segments, using weighted performance measures*
 - Scenario (sensitivity) analysis, incorporating Transportation Technology Strategic Plan (current activity)
- Key deliverables
 - TransAction Plan
 - TransAction Project List (candidate future projects for funding in the Authority's Six Year Program)
 - Recommendations and priorities
 - Analytical outputs to support subsequent Six Year Program updates
 - Technical documentation and public-facing information (multiple channels)
 - Public perception polling throughout
 - Public engagement support and findings
 - In-house transportation modeling capability

Items marked with (*) indicate major public engagement inputs



Schedule



- **January 9, 2020** Authority hosts Open House and Listening Session
- **Late Spring 2020** Post Request for Proposals
- **Early Fall 2020** Authority selects consultant; consultant starts work

- **Spring 2021** Public engagement (transportation needs)
- **Fall 2021** Public engagement (priorities)

- **Early Spring 2022** End of primary analytical activity; draft reports available for staff review
- **Late Spring 2022** Authority hosts Open House and Public Hearing; public comment period
- **Fall 2022** Finalize reports
- **December 2022** Authority adopts TransAction



Thank you!



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Transportation Authority**



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