DATA’s Roundtable: What You Wanted To Know About Transportation

June 12, 2019

Presented by:
Martin E. Nohe, Chairman, Northern Virginia Transportation Authority
What Does the NVTA do? Planning and Prioritizing for the Region

1. Develop and update the long range, multimodal Transportation Plan for Northern Virginia → TransAction

2. Prioritize and fund regional transportation projects → Six Year Program
Additional Responsibilities

• Provide general oversight of regional programs involving mass transit or congestion mitigation, including carpooling, vanpooling and ridesharing.

• Issue bonds or other debt in such amounts as it deems appropriate.

• Act as a responsible public entity under the Public-Private Transportation Act of 1995.

• Serve as an advocate for the transportation needs of Northern Virginia before the state and federal governments.

• Recommend to the Commonwealth Transportation Board priority regional transportation projects for receipt of federal and state funds.

• The Authority may construct or otherwise implement the transportation facilities in the plan.
Complex, Integrated Process

**PLANNING**
- Regional Transportation Needs
  - Jurisdiction & Agency Plans
  - Other Projects
  - Evaluation using performance measures

  **TransAction**
  - Northern Virginia's Long Range Transportation Plan

  **Long Term Benefits**

**PROGRAMMING**
- NVTA Call for Regional Projects
  - Congestion Reduction Relative to Cost (CRRC)
  - Qualitative Considerations (modal/ geographical balance, cost sharing, etc.)

  **Project Selection Process**
  - NVTA Six Year Program
    - Funded Projects

**FUNDING**
- Cost Sharing Opportunities
  - Local
  - State
  - Federal
  - Other

  **70% Regional Revenue**

- NVTA Revenue Sources
  - CMAQ
  - RSTP

30% Local Distribution Revenue

**Periodic Updates**
• Through 4 funding programs, the Authority is advancing 122 regional multimodal projects across seven modes totaling nearly $2 billion.

• In June 2018, the Authority adopted its FY2018-2023 Six Year Program including an additional 44 regional projects totaling $1.285 billion.
  - $2.5 billion in funding requests.

• The Authority adopted its FY2017 Program July 2016, funding 12 projects for a total funding package of $466 million. This Program will be the last based on projects evaluated in TransAction 2040.

• In April 2015, the Authority adopted its FY2015-16 Two Year Program, funding 37 projects for a total funding package of $346 million.

• The Authority adopted its FY2014 Program in July 2013, funding 33 projects for a total funding package of $196 million.

** The Authority makes programming recommendations for CMAQ/RSTP funds of approximately $78M annually.

** The Authority also provided a recommendation on the $500M Concessionaire Payment as part of the Transform 66 Outside the Beltway Project.
## NVTA-Funded Projects In or Impacting the Dulles Corridor

(Chart 1 of 2)

<table>
<thead>
<tr>
<th>PROJECT</th>
<th>TOTAL PROJECT COST</th>
<th>NVTA FUNDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Innovation Center Metrorail Station</td>
<td>$89,000,000</td>
<td>$69,000,000</td>
</tr>
<tr>
<td>Rock Hill Road Bridge</td>
<td>$100,000,000</td>
<td>$20,604,670</td>
</tr>
<tr>
<td>Route 28 Widening: Prince William County Line to Route 29</td>
<td>$91,100,000</td>
<td>$26,000,000</td>
</tr>
<tr>
<td>Route 28 Widening 6 to 8 lanes (NB from McLearen Road to Dulles Toll Road)</td>
<td>$13,300,000</td>
<td>$11,100,000</td>
</tr>
<tr>
<td>Route 28 Widening 6 to 8 lanes (SB from Dulles Toll Road to Route 50)</td>
<td>$22,200,000</td>
<td>$20,000,000</td>
</tr>
<tr>
<td>Loudoun County Parkway Development</td>
<td>$51,000,000</td>
<td>$31,000,000</td>
</tr>
<tr>
<td>Belmont Ridge Road Widening North of Dulles Greenway</td>
<td>$55,000,000</td>
<td>$20,000,000</td>
</tr>
<tr>
<td>Belmont Ridge Road Widening (Truro Parish Dr to Croson Ln)</td>
<td>$35,863,000</td>
<td>$19,500,000</td>
</tr>
<tr>
<td>Northstar Boulevard - Shreveport Drive to Tall Cedars Parkway</td>
<td>$135,180,000</td>
<td>$64,805,000</td>
</tr>
<tr>
<td>Dulles West Boulevard Widening: Loudoun County Parkway to Northstar Boulevard</td>
<td>$59,314,000</td>
<td>$47,800,000</td>
</tr>
<tr>
<td>Prentice Drive Extension: Lockridge Road (Route 789) to Shellhorn Road (Route 643)</td>
<td>$102,325,000</td>
<td>$76,230,000</td>
</tr>
<tr>
<td>Extend Shellhorn Road: Loudoun County Parkway (Route 607) to Randolph Drive (Route 1072)</td>
<td>$126,750,000</td>
<td>$16,000,000</td>
</tr>
</tbody>
</table>
NVTA-Funded Projects In or Impacting the Dulles Corridor
(Chart 2 of 2)

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<th>PROJECT</th>
<th>TOTAL PROJECT COST</th>
<th>NVTA FUNDED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Route 28 Northbound Widening (between Dulles Toll Road and Sterling Boulevard)</td>
<td>$23,508,200</td>
<td>$20,000,000</td>
</tr>
<tr>
<td>Route 28 Hot Spot Improvements (Sterling Boulevard to the Dulles Toll Road)</td>
<td>$12,400,000</td>
<td>$12,400,000</td>
</tr>
<tr>
<td>Route 28 Widening: Route 234 Bypass to Linton Hall Road</td>
<td>$70,900,000</td>
<td>$69,700,000</td>
</tr>
<tr>
<td>Route 28 Corridor Roadway Improvements - East of Route 234</td>
<td>$228,000,000</td>
<td>$95,000,000</td>
</tr>
<tr>
<td>Route 28 Widening: Godwin Drive to the Southern City Limits</td>
<td>$12,847,000</td>
<td>$3,294,000</td>
</tr>
<tr>
<td>Herndon Metrorail Intermodal Access improvements</td>
<td>$2,000,000</td>
<td>$1,100,000</td>
</tr>
<tr>
<td>Herndon Parkway Intersection Improvements at Van Buren St</td>
<td>$3,000,000</td>
<td>$500,000</td>
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<tr>
<td>Herndon Parkway Intersection Improvements at Sterling Rd</td>
<td>$500,000</td>
<td>$500,000</td>
</tr>
<tr>
<td>East Elden Street Improvements &amp; Widening</td>
<td>$30,902,000</td>
<td>$10,400,000</td>
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**NVTA-approved projects total $365M in the Route 28 and Fairfax County Parkway Corridors.**
Map of NVTA-Funded Projects In or Impacting the Dulles Corridor

* Only transportation projects allocated NVTA 70% funds are displayed on the map. Some member localities are utilizing their 30% funds towards additional projects in the Dulles Corridor area.
NVTA is Funding Seven ITS Deployment/Technology Projects Totaling $17.2M

<table>
<thead>
<tr>
<th>Project</th>
<th>NVTA Funding</th>
</tr>
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<tbody>
<tr>
<td><strong>Arlington County</strong></td>
<td></td>
</tr>
<tr>
<td>Lee Highway Corridor ITS Enhancements</td>
<td>$3,000,000</td>
</tr>
<tr>
<td>Glebe Road Corridor ITS Enhancements</td>
<td>$2,000,000</td>
</tr>
<tr>
<td>ITS Improvements</td>
<td>$10,000,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$15,000,000</strong></td>
</tr>
<tr>
<td><strong>City of Alexandria</strong></td>
<td></td>
</tr>
<tr>
<td>Duke Street Transit Signal Priority</td>
<td>$190,000</td>
</tr>
<tr>
<td>Transit Signal Priority/Traffic Signal Upgrades</td>
<td>$660,000</td>
</tr>
<tr>
<td>ITS Projects</td>
<td>$1,195,491</td>
</tr>
<tr>
<td>Bus Network ITS</td>
<td>$150,000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$2,195,491</strong></td>
</tr>
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NVTA’s Regional Multimodal Mobility Program (RM3P) Project

• NVTA applied for SMARTSCALE Funding for the RM3P Project
  • Commonwealth looking to fund with Innovation Transportation Technology Funds

• Enhance Commuter Parking Data.

• Develop a Mobility as a Service (MaaS) Dynamic Service Gap Dashboard.

• Implement an AI-Based Decision Support System with Prediction.

• Deploy a Data-Driven Tool to Incentivize Customer Mode and Route Choice.
Transportation Technology Committee

• Purpose: To advise the NVTA Executive Director on multimodal transportation technologies and related transportation trends that support (or endanger) the vision of the Authority as stated in its current Five-Year Strategic Plan.

• Reflecting the uncertain future trajectory of transportation technologies and related trends, the scope of the topics that the TTC may consider is intentionally broad, including:
  • Challenges and opportunities related to emerging trends in technology and mobility services, on the local, national and international levels;
  • Changes in public perceptions and travel behavior;
  • NoVA deployment opportunities and barriers;
  • NoVA public policy requirements; and
  • NoVA public education needs.
Annual Northern Virginia Transportation Roundtable

- Jointly organized by ITS Virginia and NVTA (2016-ongoing)
- Focus on disruptive technologies and emerging trends
- Gather thought-leaders in transportation and technology to share insights and ideas
The Authority’s revenues result from legislation passed by the General Assembly in 2013 (HB 2313) and signed into law by Gov. McDonnell.

- HB 2313 provided funding through three revenue sources with a 70/30 split:
  1. **Sales Tax** (0.7%)
  2. **Grantor’s Tax** ($0.15/$100)
  3. **Transient Occupancy Tax** (2%)

- HB 1539 (2018) Repealed **TOT and Grantors** as part of the Metro Funding Agreement

- NVTA Revenue now solely comes from **Sales Tax**
FY2019-2023 Revenue Estimates Before HB 1539

FY2019-2023 Estimated Revenue Breakdown by Tax Type: ORIGINAL

- Sales Tax: $162,843,631
- Transient Occupancy Tax: $232,021,944
- Grantors Tax: $1,366,352,102

FY2019-2023 Estimated Revenue Allocation: ORIGINAL

- 70% Regional Revenue: $528,365,303
- 30% Local Distribution Revenue: $1,232,852,374
FY2019-2023 Revenue Allocations After HB 1539

FY2019-2023 Estimated Revenue Breakdown by Tax Type: REVISED

- Sales Tax: $162,843,631
- Transient-Occupancy Tax: $232,021,944
- Grants Tax: $1,366,352,102

FY2019-2023 Estimated Revenue Allocation: REVISED

- 70% Regional Revenue: $409,905,631
- Lost 70% Revenue: $118,459,672
- 30% Local Distribution Revenue: $956,446,471
- Lost 30% Revenue: $276,405,902
2019 General Assembly Legislation

**Senate Bill 1716 and House Bill 2718**

- Virginia Assembly recently finalized the Governor’s amendments for Senate Bill 1716 and House Bill 2718.
  - Legislation to dedicate funding to Interstate 81 (I-81) improvements.
  - These amendments establish dedicated funding for I-81 while also providing as much as $20 million annually for NVTA—**FY20-$9.3M, FY21-$13.7M, FY22-$20M**.
  - Appreciative of the $20 million, but this is a down payment, and there is a ways to go to restoring the Authority’s revenues.

**Wayfair Decision**

- Small increase in sales tax revenue due to the Commonwealth’s implementation of remote sales tax based on the Wayfair decision.
Upcoming Funding Cycles

- **SMARTSCALE**
  - Process is underway for the third round of funding
  - CTB action June 2019

- **NVTA FY2020-2025 Six Year Program**
  - Call for Regional Transportation Projects in July 2019
    - ESTIMATED $400M available for FY2024-2025
    - Anticipated NVTA action June 2020

- **TransAction Update**
  - Listening Session Winter 2020
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