NORTHERN VIRGINIA TRANSPORTATION AUTHORITY

Transportation Technology Committee Meeting

Tuesday, January 27, 2026
9:00 a.m.
This meeting will be held virtually only and livestreamed via YouTube.

AGENDA

1. **Call to Order/Welcome** — Chair Snyder

Action

2. **Summary Notes of September 30, 2025 Meeting** — Chair Snyder
   Recommended Action: Approve Meeting Notes

3. **Confirmation of the CY2026 Meeting Calendar** — Chair Snyder
   (see attached Item A)

Discussion/Information Items

4. **Member Introductions** — Chair Snyder

5. **TTC Focus Areas** — Keith Jasper, Principal, and Griffin Frank, Regional Transportation Planner
   (see attached Item B)

   a. **Quick Review of Previous TTC Guidance**
   b. **Proposed Development Approach**
   c. **Discussion on Focus Area #1: Regional Technology Coordination and Procurement Strategies**

6. **NVTA Updates** — Monica Backmon, CEO

7. **Adjournment**

Next Meeting
April 28, 2026 9:00 a.m. at NVTA Offices

Item A – CY2026 Meeting Calendar

- All meetings will be held on Tuesdays from 9:00-10:30 a.m. at NVTA offices along with a virtual option.
    - January 27, 2026
    - April 28, 2026
    - July 28, 2026
    - October 27, 2026
    - January 26, 2027

Item B – Transportation Technology Committee Focus Areas

- NVTA Lead
    1. Regional Technology Coordination and Procurement Strategies
    2. Active Transportation
    3. Smart Signals
    4. Automated Traffic Enforcement (ATE)

- Locality/Agency Lead with NVTA Support
    5. Transit Technology Integration
    6. Predictive Safety Analytics
    7. Autonomous Vehicle (AV) Regional Readiness and Coordination
    8. Dynamic Curbside Management and Parking
    9. Artificial Intelligence and Cybersecurity Education

NORTHERN VIRGINIA TRANSPORTATION AUTHORITY

TRANSPORTATION TECHNOLOGY COMMITTEE

Tuesday, September 30, 2025
9:00 a.m. EST
2600 Park Tower Drive, Suite 601
Vienna, VA 22180
This meeting was held in person, virtually on Zoom and livestreamed via YouTube.

MEETING SUMMARY

1. **Call to Order/Welcome**
   - ✓ The meeting was conducted in-person. Chair Snyder called the meeting to order at 9:02 a.m.
   - ✓ **Attendees**:
     - **TTC Members:** Chair David Snyder (City of Falls Church Councilmember); Richard Mudge (Compass Transport and Tech); Evandro Santos (Prince William County); and Brad Stertz (Audi/Volkswagen) attended virtually. Supervisor Margaret Franklin (Prince William County Board of Supervisors); Michael Garcia (Fairfax County Department of Transportation); Ann McGrane (Northern Virginia Transportation Commission); Bob Schneider (OmniRide); and Hillary Orr (City of Alexandria) attended in-person.
     - **NVTA Staff:** Monica Backmon (Chief Executive Officer); Keith Jasper (Principal, Transportation Planning and Programming); Sree Nampoothiri (Senior Manager, Transportation Planning and Programming); Griffin Frank (Regional Transportation Planner); and Starla Couso (Manager, Transportation Planning & Programming) attended in-person.
     - **Others:** Russ Martin (Cambridge Systematics)

2. **Summary Notes of June 17, 2025 Meeting**
   - ✓ A motion to accept the summary notes of the June 17, 2025, meeting was passed unanimously.

3. **Member Introductions**
   - ✓ Participants introduced themselves, representing regional and state agencies, local jurisdictions, and private industries.

- ✓ Two new members were introduced: Ms. Franklin from Prince William County Board of Supervisors and Ms. McGrane from NVTC.

4. Potential Next Steps for TTC Focus Areas

- ✓ Mr. Jasper provided context of the TTC's recent work:
  - The June meeting served as a brainstorming session to identify eight TTC Focus Areas. The purpose of this meeting was to review the TTC Framework analysis, a ranking and qualitative scoring of those areas, discuss prioritization, and define potential next steps for 2026. TTC's input will help shape NVTA's work alongside the upcoming TransAction update (CY2026-2027).
- ✓ The Framework analysis, mentioned above, assessed the relative alignment (high-medium-low) of each focus area across the following criteria:
  - The Transportation Technology Strategic Plan's Strategies 1 through 9
  - NVTA Core Values: Equity, Safety, and Sustainability
  - TransAction Goals: Mobility, Accessibility, and Resiliency
- ✓ Focus Areas were ranked by NVTA staff in the following order:
  1. Transit Technology Integration
  2. Active Transportation
  2. Predictive Safety Analytics
  4. Autonomous Vehicle Regional Readiness and Coordination
  4. Regional Technology Coordination and Procurement Strategies
  6. Dynamic Curbside Management and Parking
  6. Automated Traffic Enforcement (ATE)
  8. Artificial Intelligence (AI) and Cybersecurity Education
- ✓ Discussion Highlights
  - AI and Cybersecurity Education
    - Several members noted that while AI's fundamental concepts are important and can be intertwined with many of the other focus areas, this focus area would be more appropriately handled by private sector or IT organizations.
    - Mr. Garcia informed the group of Fairfax County's recent deployment of a multi-disciplinary group focused on AI.
  - Autonomous Vehicle Regional Readiness and Coordination
    - Ms. Orr stated that the statewide AV legislative group met last week and highlighted personal vehicles as opposed to ride-hailing vehicles, as the framework suggests. She proposed that the TTC focus on regional implementation and readiness

(how we deal with AVs in NoVA following along with the legislation) rather than the legislative aspect.

- Dr. Mudge shared that Waymo handles 16.6% of all commuter traffic in Phoenix, San Franscisco, and Los Angeles and is entering our region next year (he noted that he would share the article). This would have a large impact on transit and how people move in major cities.
    - Ms. Backmon noted that Waymo is a for-profit service and is different from the governmental side of providing transit that is necessary to meet a more general population's transportation needs.

- Automated Traffic Enforcement
    - Mr. Garcia and Chair Snyder emphasized the importance of traffic safety in their localities due to serious injuries and fatalities on roadways. They both consider Predictive Safety Analytics and ATE to be linked together. Mr. Garcia suggested moving ATE up from its ranking of six (6) due to its proven ability to reduce crashes.
    - Supervisor Franklin shared Prince William County's ongoing pilot project that started in early 2024 with red light, construction zone, and school zone ATE to improve safety. Data collection and analysis are ongoing, with early results showing the cameras serve as an effective deterrent to speeding and crash reduction strategy.
    - Ms. Orr shared that their automated speed enforcement report showed significant reductions in speeding within school zones, a decline in issued and voided citations as accuracy improved, and continued expansion of the program with three additional school sites- full enforcement begins November 1, 2025.
- Predictive Safety Analytics / Smarter Signalization
    - Multiple members supported creating a new focus area on "Smarter Signalization" to consolidate transit signal priority (TSP), adaptive control, and safety analytics.
    - Mr. Schnieder added that there are barriers to signal timing optimization on arterials for transit buses due to signal policies and VDOT has a significant control of these intersections. Ms. Backmon added that the TTC has VDOT members that are not

present, but there should be a conversation with transit bus agencies to help mitigate congestion.
        - Supervisor Franklin suggested involving elected officials and members of the General Assembly in discussions with VDOT, noting they hold greater authority to influence the agency and could help signal management issues.
- Transit Technology Integration
    - Several members suggested lowering this focus area from a high priority for NVTA staff, noting that NVTC and other coordination groups (WMATA, TPB, and APTA) could provide updates on Transit Technology Integration given their established experience and ongoing work in this area.
    - Mr. Jasper stated that the NVTA staff has a keen interest in Transit Technology to promote the efficiency and attractiveness of choosing bus as a comparable mode to driving. This follows the Authority's recently adopted Bus Rapid Transit (BRT) Action Plan.
    - Ms. McGrane and Mr. Schneider noted that battery electric buses (BEBs) are difficult to purchase in the U.S. due to high demand and the "buy American" requirement. Recommended propulsion systems (BEB or hydrogen fuel cell, etc.) could change by the time purchased buses are delivered and operated.
- Active Transportation
    - Mr. Jasper noted that Active Transportation is a large part of the BRT Action Plan since walking and biking to and from BRT stations will be required. Having safe infrastructure for these users will create a safe environment that promotes transit use.
    - Mr. Garcia asked who is responsible for identifying pilot corridors regarding Active Transportation.
        - Ms. Backmon answered localities would identify corridors based on their safety plans and historic knowledge of their own corridors. NVTA would act as a facilitator and assist with tracking and coordination of technologies along these corridors.
- Regional Technology Coordination and Procurement Strategies

- Ms. Orr suggested that jurisdictional staff could map their technology projects.
    - Mr. Jasper added that insights from Transportation Planning Board's (TPB) Member Technology Inventory Survey would guide this effort.

✓ Mr. Jasper encouraged members to share any additional feedback promptly since the committee meets quarterly, noting that staff will explore creating a new "Smarter Signals" focus area. NVTA staff will consolidate the related topics as discussed and will coordinate with an existing regional signals group to avoid duplication before presenting an update at the next meeting (January 2026).

✓ Proposed calendar year (CY2026) meetings to be held quarterly on January 27, April 28, July 28, and October 27 (all will be held on the last Tuesday of the month at 9am at NVTA offices).

5. NVTA Updates

✓ Ms. Backmon shared information:

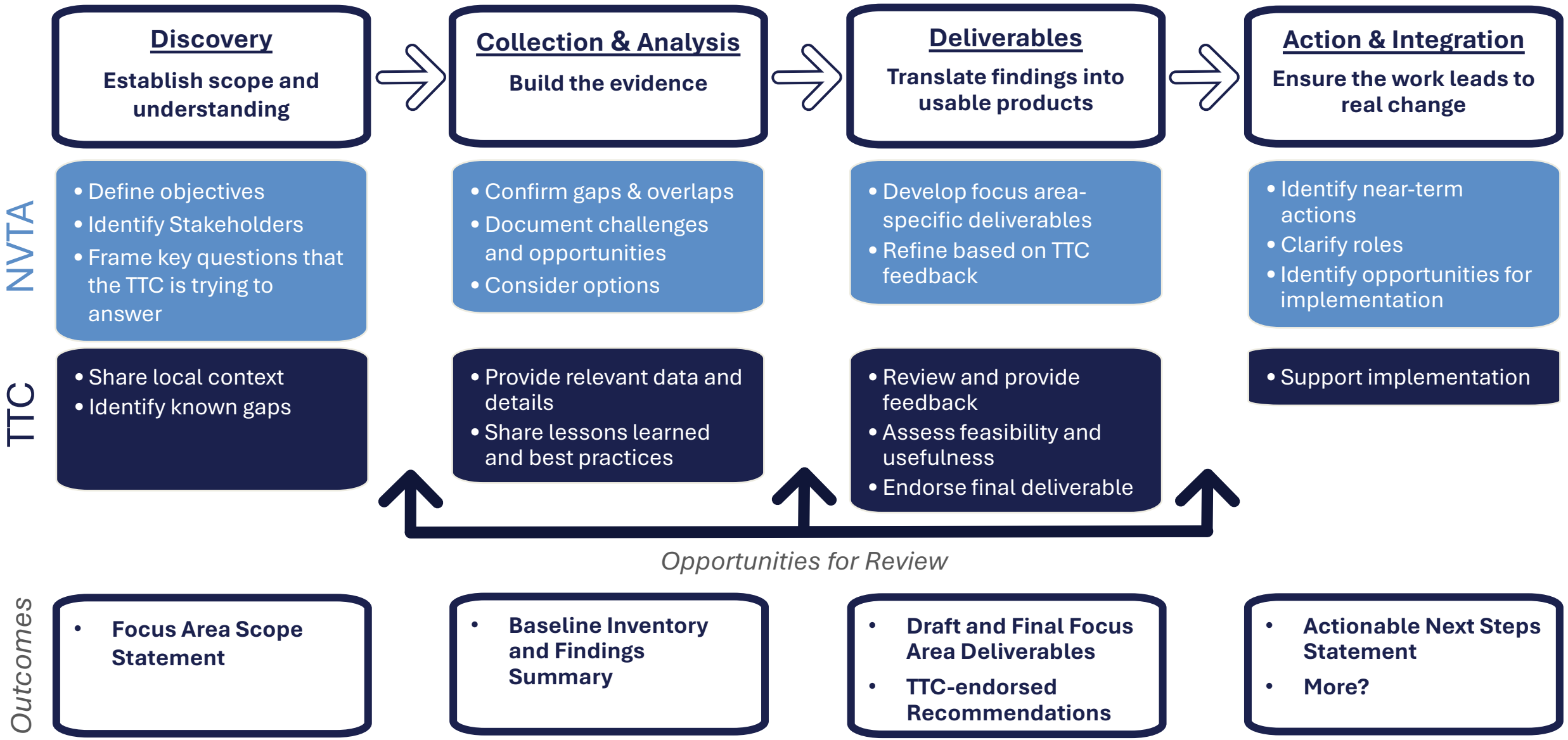
- NVTA's State of the Region's Transportation Event takes place on October 22, 2025, at NVTA offices.
- NVTA is currently in the evaluation phase of its FY2026-2031 Six Year Program. There were 27 applications submitted, totaling $1.3B in requests. Resolutions are due by October 31, 2025.
- The TransAction Update RFP was posted on September 15, 2025, and adoption is expected December 2027. TTC input will inform early phases.
- Supervisor Franklin will serve as TTC Vice Chair going forward.

6. Adjourn

✓ The meeting was adjourned at 10:31 a.m.

✓ The next meeting has not yet been scheduled but is anticipated for late January.

TTC Focus Areas: Proposed Development Approach



Item 5c: Discussion on Focus Area #1 – Regional Technology Coordination and Procurement Strategies

1. What transportation technologies has your jurisdiction/agency implemented over the past 3-5 years?

2. Have you collaborated with adjacent jurisdictions on technology deployments or procurements? If so, what worked, what did not, and what lessons learned would inform this focus area?

3. In the next 2–3 years, what transportation challenge(s) should the region or your jurisdiction/agency address using transportation technology?

4. Where do you see opportunities for future inter-agency collaboration on transportation technology integration and procurement?

NVTA