

# Draft Transportation Technology Strategic Plan (TTSP) – Action Plan



*February 10, 2021*



# Recap – Pathway to TTSP Approval

December 2020: Shared draft TTSP 'core content' with TTC and RJACC

- 8 Strategies, 9 NVTA Roles, 3 Core Values

January 2021: Shared draft TTSP (minus Action Plan) with TTC and RJACC

- TTC discussed draft TTSP (full document without Action Plan)
- Comment deadline January 27, 2021

February/March 2021: Expanded review

- Develop draft Action Plan
- Share/discuss draft TTSP with TAC, PCAC, and PPC

April 2021: NVTA consider/approve draft TTSP

May 2021 onwards: Implement Action Plan

- Integrate into TransAction



# Action Plan

- What, When, Who?
- Actions must be traceable to at least one strategy, and include measure(s) of effectiveness;
- Some actions may be triggered by external events, e.g. federal/state legislation, market penetration thresholds;
- Most actions will be initiated by NVTA staff; not all will be implemented by NVTA staff;
- Define a monitoring plan; and
- Define a review and update cycle.



# TTSP Draft Action Plan

## Proposed Structure

- Introduction
- Strategy-Specific Summaries
  - *Overview*
  - *Assumptions Made*
  - *Action Plan*
- Consolidated Actions Table
- Next Steps
  - *Monitoring Progress and Update Cycle*
  - *The Review/Update Process*



# TTSP Draft Action Plan

## Strategy-Specific Summaries

Strategy #\_: TITLE

### Overview

A paragraph describing the predicted time frame in which it will be appropriate to take action, in keeping with the roles described in the draft Transportation Technology Strategic Plan (TTSP), in pursuit of a Strategy.

### Assumptions Made

- Generally, 2 – 5 bullet points.

### Actions

| Item | Responsible Party | Trigger Point | Time Frame | Current Status | Actions | Stakeholders | Metric(s) of Success |
|------|-------------------|---------------|------------|----------------|---------|--------------|----------------------|
|      |                   |               |            |                | •       | •            | •                    |



| Strategy              | Action   | Immediate  |                    |                   |                                    | Near Term                           |                      |                   |                                    | Mid Term    | Long Term   |                 |
|-----------------------|--|--|--------------------|-------------------|------------------------------------|-------------------------------------|----------------------|-------------------|------------------------------------|-------------|-------------|-----------------|
|                       |  | Jan - March, 2021  | April - June, 2021 | July - Sept, 2021 | Oct - Dec, 2021                    | Jan - March, 2022                   | April - June, 2022   | July - Sept, 2022 | Oct - Dec, 2022                    | 2023 - 2025 | 2026 - 2029 | 2030 and Beyond |
| Major NVTA Milestones |  | TransAction kick-off   |                    |                   | Completion of TransAction Phase 1  |                                     | TransAction adoption |                   | Development of legislative program |             |             |                 |
|                       |  |  |                    |                   | Development of legislative program | Six Year Program Update FY2022-2027 |                      |                   |                                    |             |             |                 |
| 1                     | Reduce congestion  | Increase consideration of innovative technologies in TransAction   | ▶                  |                   |                                    |                                     |                      |                   |                                    |             |             |                 |
|                       |  | Consider transportation technology and innovation in NVTA procurements   |                    |                   |                                    |                                     |                      |                   |                                    |             |             |                 |
|                       |  | Advocate for jurisdictional policies that leverage technology to reduce congestion   |                    |                   |                                    | ▶                                   |                      |                   |                                    |             |             |                 |
| 2                     | Maximize access to jobs, employees and housing   | Increase consideration of innovative technologies in TransAction   | ▶                  |                   |                                    |                                     |                      |                   |                                    |             |             |                 |
| 3                     | Maximize cybersecurity and maximize privacy for members of the public                                    | Increase consideration of cyber security and privacy in TransAction  | ▶                  |                   |                                    |                                     |                      |                   |                                    |             |             |                 |
|                       |  | Increase consideration of cyber security and privacy in NVTA procurements  |                    |                   |                                    |                                     |                      |                   |                                    |             |             |                 |
| 4                     | Minimize Potential for Zero Occupancy Vehicles   | Consider minimization of ZOV Miles Traveled in long-range planning efforts   | ▶                  |                   |                                    |                                     |                      |                   |                                    |             |             |                 |
|                       |  | Develop Policies that discourage ZOV Miles Traveled.   |                    |                   |                                    | ▶                                   |                      |                   |                                    |             |             |                 |
|                       |  | Advocate for the Commonwealth to provide local jurisdictions the ability to levy fees on autonomous vehicles.                          |                    |                   |                                    | ▶                                   |                      |                   | ▶                                  |             |             |                 |
|                       |  | Advocate for legislation that limits ZOV miles traveled.   |                    |                   |                                    | ▶                                   |                      |                   | ▶                                  |             |             |                 |
|                       |  | Advocate for state entities to continue to provide, and perhaps expand, funding for innovative pilot projects and/or research efforts. |                    |                   |                                    |                                     |                      |                   |                                    |             |             |                 |
| 5                     | Develop pricing mechanisms that manage travel demand and provide sustainable travel options              | Develop and support policy(s) that support technology-based pricing mechanisms   |                    |                   |                                    | ▶                                   |                      |                   |                                    |             |             |                 |
|                       |  | Further integrate consideration of pricing mechanisms into planning efforts  | ▶                  |                   |                                    |                                     |                      |                   |                                    |             |             |                 |
| 6                     | Maximize the potential of physical and communication infrastructure to serve existing and emerging modes | Consider preparations for emerging modes and innovations in TransAction  | ▶                  |                   |                                    |                                     |                      |                   |                                    |             |             |                 |
|                       |  | Consider preparations for emerging modes and innovations in NVTA procurements  |                    |                   |                                    |                                     |                      |                   |                                    |             |             |                 |
| 7                     | Enhance regional coordination and encourage interoperability in all systems                              | Increase consideration of interoperability in TransAction  | ▶                  |                   |                                    |                                     |                      |                   |                                    |             |             |                 |
|                       |  | Consider the creation of a committee or panel of experts to review procurement documents   |                    |                   |                                    |                                     |                      |                   |                                    |             |             |                 |
| 8                     | Create a network of charging infrastructure, for use by private and fleet vehicles                       | Increase consideration of EV technology in TransAction   | ▶                  |                   |                                    |                                     |                      |                   |                                    |             |             |                 |
|                       |  | Develop and adopt policies regarding EVs and charging infrastructure.  |                    |                   |                                    | ▶                                   |                      |                   | ▶                                  |             |             |                 |

| Key                       |                           |                        |                        |               |                  |                            |
|---------------------------|---------------------------|------------------------|------------------------|---------------|------------------|----------------------------|
| ▶                         | ▶                         | ▶                      | ▶                      | ▶             | ▶                | ▶                          |
| TransAction Trigger point | Legislative Trigger Point | External Trigger Point | Possible Trigger Point | Direct Action | Follow Up Action | Potential Follow Up Action |



# TTSP Draft Action Plan

## Monitoring Progress and Update Cycle

The TTSP will be reviewed for possible update annually. Typically, the annual review will take place around the anniversary of adoption of the TTSP by the Authority, however, other happenings may trigger the cycle, including:

- Development/adoption of TransAction.
- Adoption or enactment of any new Federal/Commonwealth laws that directly or indirectly pertain to transportation technologies and/or any concept covered within the then-current iteration of the TTSP.
- Relevant actions of NVTA member jurisdictions or other regional bodies.



## Next Steps

- Share draft Action Plan for TTC review and comment by February 19<sup>th</sup> with two-week response deadline.
- The draft TTSP will be presented to the following NVTA Committees, for their initial review, during the February meeting cycle:
  - Technical Advisory Committee (TAC) – 7:00pm on Wednesday, February 17<sup>th</sup>
  - Planning Coordination and Advisory Committee (PCAC) – 6:30pm on Wednesday, February 24<sup>th</sup>
  - Planning and Programming Committee (PPC) – 5:00pm on Monday, March 1<sup>st</sup>
- NoVA Transportation Roundtable – 8:00am on Wednesday March 10<sup>th</sup>
- Next TTC meeting – 8:30am on Wednesday March 24<sup>th</sup> (suggested)



# TTC Feedback Requested

- Thoughts on what you have heard today?
- Beyond NVTA Committees, who should we seek feedback from?
- Are there any related initiatives we should be aware of?
- What level of detail is required for the public-facing versions of the TTSP/Action Plan?
- Suggestions on low-cost visualizations? Examples?



**THANK YOU!**