COMMONWEALTH TRANSPORTATION BOARD

GUIDING PRINCIPLES ON INNOVATION & TECHNOLOGY

DRAFT - 12/1/2017 - envisioned as adoptable by CTB in Jan 2018

To provide a modern transportation system that is safe, enables easy movement of people and goods, enhances the economy, and improves the quality of life across the Commonwealth of Virginia, while also positioning the Commonwealth as a leader in innovative transportation solutions, the Commonwealth Transportation Board (CTB) will enact policies and allocate available Innovation and Technology Transportation Funding (ITTF) resources in accordance with §33.2-358, §33.2-370, and §33.2-1531. These allocations will fund pilot programs and fully developed initiatives pertaining to high-tech infrastructure improvements which shall focus on reducing congestion, improving mobility, improving safety, providing up-to-date travel data, or improving emergency response. The CTB will build upon the efforts conveyed in "Driving Transportation Solutions Through Technology" (January 2016 CTB IT Subcommittee meeting) supporting statewide transportation planning activities established under §33.2-358 and providing allocations of ITTF monies through the Six Year Improvement Plan development process to advance these objectives

The Commonwealth Transportation Board will improve innovation and technology across Virginia's transportation agencies through policies which:

- Strengthen **Virginia's multimodal transportation system** as an integrated network of roadways, rails, rights of way, transit, ferries, bicycle and pedestrian facilities, supporting sustainable local government land use decisions supporting the vision and goals proposed in **"*VTrans*"**.
- Reduce modal conflicts and ensure **public safety and security** on all networks in accordance with "*Virginia's Strategic Highway Safety Plan*".
- Spur positive impacts on the **Commonwealth's economy**, infrastructure investment, and delivery of publicly-provided transportation services.
- Foster university, interagency and private partner **collaboration** in research, experimentation, and projects.

- Integrate the use of **varied high-occupancy modes** appropriate to community needs and demands.
- Ensure **equitable access** to all networks for all Virginians.
- Advance **sustainability** through strategic network initiatives designed to benefit the built and natural environments throughout the Commonwealth.
- Reduce **congestion** on networks by evaluating impacts on safety, modal choices and accessibility, emergency response time, transit performance, and reliability.
- Assure **regular public reporting** and alignment with VTRANS goals through appropriate data collection and analysis by all collaborators.
- Assure that **Information Security and Privacy** are diligently protected across all transportation agencies.
- Foster relationships with academia, the private sector, the Virginia Transportation Research Council, and transportation leaders to ensure the CTB is aware of **Emerging Technologies and Innovations** which might have applications to transportation.
- Leverage all available **procurement approaches** to accelerate deployment and facilitate the creation of economic opportunities for the new Virginia economy within Virginia's transportation agencies.

The Commonwealth Transportation Board will monitor progress in innovation and technology against these principles. The CTB will receive updates on all initiatives, their impacts, lessons learned, and activities related to innovation and technology will be incorporated into the CTB 's annual schedule of meeting topics. ITTF funding discussions will be incorporated into SYIP consideration and VDOT will present its annual report on the use of ITTF funds at a CTB meeting prior to submitting the report to the General Assembly and the Governor. The Board will maintain an Innovation and Technology Committee to provide an ongoing Board-staff forum for discussion of policy, planning and funding issues and as a conduit for these issues to be brought to the attention of the full Commonwealth Transportation Board.