



Connected Vehicle Pooled Fund Study Overview

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VDOT's Vision for Connected and Automated Vehicles

VDOT envisions a future environment where Connected and Automated Vehicle applications provide connectivity between vehicles, roadside infrastructure and wireless devices.

This interconnected environment is expected to meet the following objectives:

- Increased Safety
- Improved Mobility
- Reduced Infrastructure Investments
- Enhanced Traveler Information



Connected and Automated Vehicle Program Development

- **Full-Time Program Manager since Fall 2016**
- **Connected and Automated Vehicle Executive Steering Committee Established**
Sets strategic direction and priorities for VDOT's CAV Program, including outreach & advocacy, implementation and more
- **Connected and Automated Program Plan - Available Now at <http://virginiadot.org/automated>**



VDOT's CAV Program Plan and More is Online

Please visit <http://viriniadot.org/automated>

The screenshot shows the VDOT website home page. At the top left is the VDOT logo with the text "Virginia Department of Transportation". To the right is a navigation bar with links for "About", "Jobs", "Contact", "Maps", "511", and "SMART SCALE Dashboard". Below this is a "REPORT A ROAD PROBLEM" button and a "800-FOR-ROAD (800-367-7823)" phone icon. A secondary navigation bar includes "Home", "Programs", and "Connected vehicles". A main menu bar lists "Travel Center", "Newsroom", "Info Center", "Business Center", "Programs", and "Projects & Studies". Below the menu is a large banner image of a group of children holding a "WALK TO SCHOOL DAY" sign. A search bar is located to the right of the banner. On the left side, there are sections for "Traffic Information" (with a "511" logo) and "SMART SCALE Dashboard". The main content area features a heading "Connected and Automated Vehicle Program" and a sub-heading "VDOT Leading The Way In Using Technology To Improve Safety And Mobility". Below this is an image of a truck platoon on Interstate 66 with the caption "Truck platooning demonstration on Interstate 66".

The screenshot shows the Virginia Connected Corridors website. The top navigation bar includes "Home", "About", "CV Environment", "Get Involved", "News", and "Contact". The main heading is "Virginia Connected Corridors" with a large white stylized "V" logo. Below the heading are two main content boxes. The left box is titled "Get Involved" and contains the text: "VDOT and VTTI are actively seeking third party application developers who are interested in developing and testing in a real-world connected vehicle environment." Below this text is a "More Information" button. The right box is titled "Access Data" and contains the text: "Gain access to the VCC dataset using APIs and other standardized data access methods." Below this text is a "More Information" button.

Connected Vehicle Pooled Fund Study? What's that?!

- **The Connected Vehicle Pooled Fund Study (CV PFS) is a partnership of transportation agencies who have established a program to facilitate the development and evaluation of Connected Vehicle applications**
- **The program will prepare state, local, and international transportation agencies for the deployment of Connected Vehicle technologies**

Objectives

The program will result in the following outcomes:

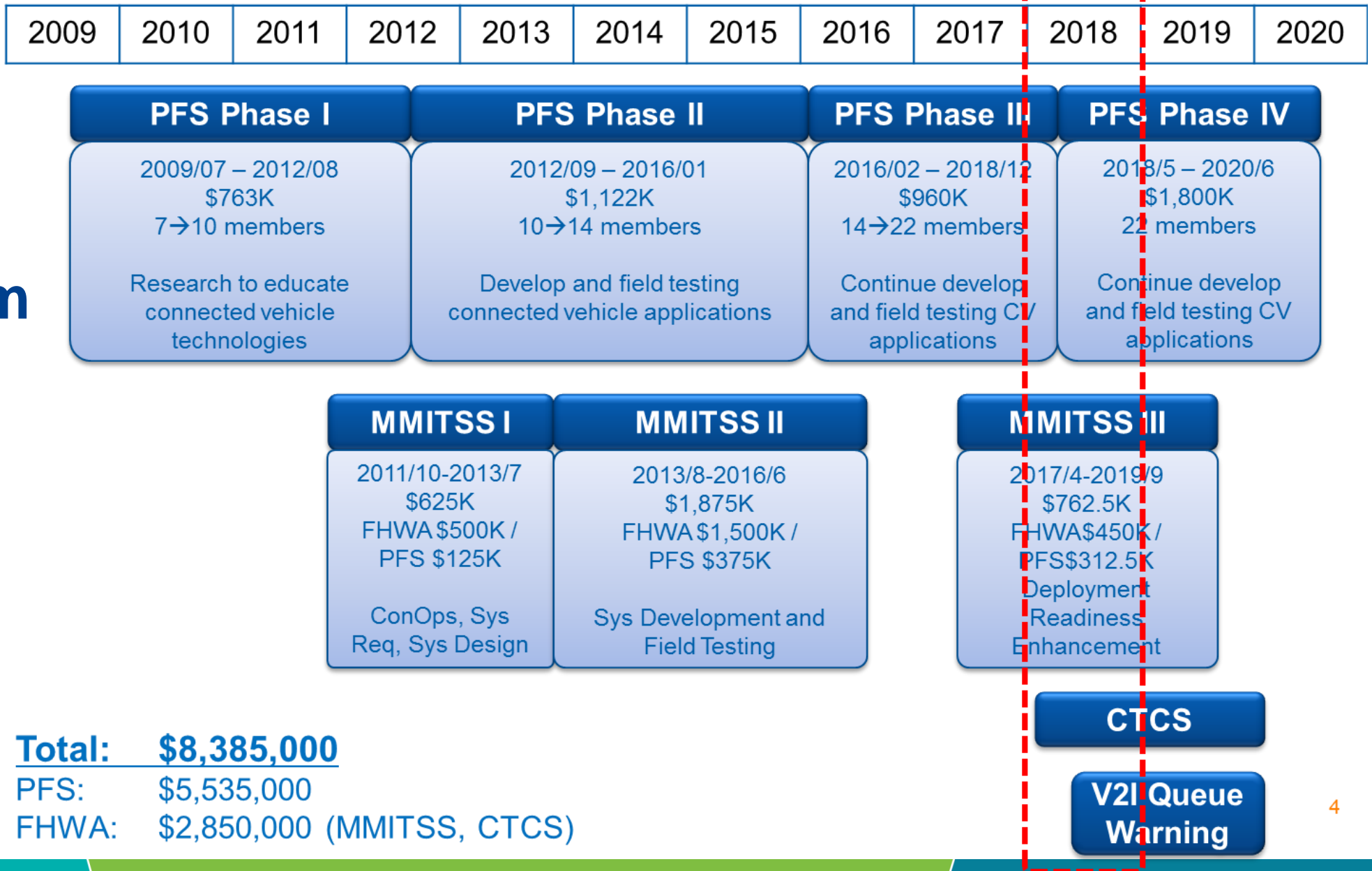
- Development and demonstration of connected vehicle technology, algorithms, tools and applications
- Preparation for field deployments
- Development and deployment documentation
- Lessons learned and identification of challenges from field deployments



Current Membership



Phased Program History



Current Projects

- **Connected Traffic Control System (CTCS): Research Planning and Concept Development**
 - Conducted by WSP USA (PI: Tom Timcho)
- **Multi-Modal Intelligent Traffic Signal System – Phase III: Deployment Readiness Enhancements**
 - Conducted by University of Arizona (PI: Larry Head) and California PATH (PI: Kun Zhou)
- **Basic Infrastructure Message Development and Standards Support**
 - Conducted by Southwest Research Institute (PI: Michael Brown)

Visit the CV PFS Website for Ongoing and Completed Research Projects



Search our site...

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Connected Vehicle Pooled Fund Study – Research

Program to Support the Development and Deployment of Infrastructure Based Connected Vehicle Applications

Contacts

Pooled Fund Study
Management Team
For more information or

All the reports can be found on the research page of the CV PFS Website

http://www.cts.virginia.edu/cvpfs_research

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Thank you!

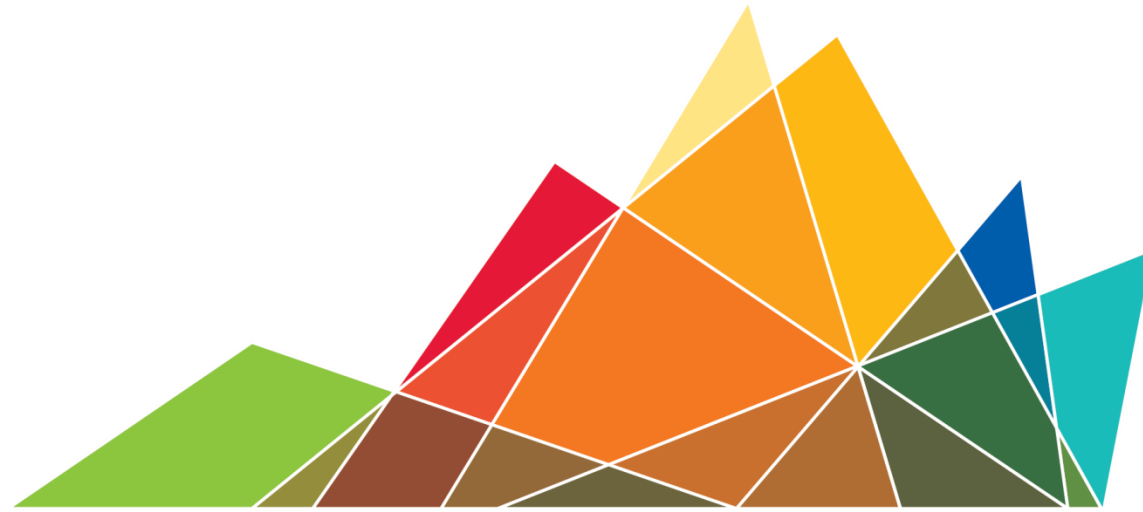
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VDOT | SMARTER**ROADS**

