Benefits of Connected and Automated Vehicle (CAV) Technology

- Improve Safety
- Reduce Congestion
- Enhance Mobility
- Minimize Environmental Impacts
USDOT’s Ten Automated Vehicle Proving Ground Designees

- San Diego Association of Governments
- Contra Costa Transportation Authority (CCTA) & Go Mentum Station
- Iowa City Area Development Group
- University of Wisconsin-Madison
- American Center for Mobility (ACM) at Willow Run
- Texas AV Proving Grounds Partnership
- City of Pittsburgh and the Thomas D. Larson Pennsylvania Transportation Institute
- U.S. Army Aberdeen Test Center
- North Carolina Turnpike Authority
The Partnership offers a comprehensive multi-modal environment for research, development, testing and deployment of emerging mobility technologies and solutions.
Florida’s Turnpike Enterprise CAV Initiatives

143-mile pilot project
Road Safety and Fuel Savings

50-mile± future corridor
Florida’s Next Generation Corridor

7-mile corridor
Future Technology Corridor

2.25-mile test track
200-acre infield
Accelerating the Future of Transportation
Driver Assisted Truck Platooning | Road Safety and Fuel Savings

Source: Volvo

Project Location

TPK MP 116
TPK MP 259
Coastal Connector | Florida’s Next Generation Corridor

Project Location

Source: USDOT

Florida Department of Transportation
Colonial Parkway | Future Technology Corridor

Project Location

15 miles to Orlando
35 miles to Port Canaveral

Florida Department of Transportation
**Key Corridor Challenges**

- Pedestrian/Cyclist Safety
- Recurring Congestion
- Unpredictable Travel Times
- Poor Intersection Operations
- Emergency Services, Incidents, and Evacuations

**CAV Technology Solutions**

- Smart Intersections
- Incident Detection Systems
- Fully Connected Vehicles
- Dynamically Reroute Traffic
- Dynamic/Adaptive Signals
- Automated Vehicle (AV) Detection
SunTrax | Accelerating the Future of Transportation

**Project Location**

- 45 miles to Tampa
- 46 miles to Orlando

**Multiple Environments**
**Diverse Scenarios**
**Reconfigurable**
SunTrax | Designed for Evolution

1. Main Access & Building Facilities
2. High Speed Oval
3. Dynamic Test Pad
4. Pick-Up/Drop-Off
5. Urban
6. Complex Suburban
7. Roadway Geometry Track
8. Environmental Test Chamber
9. Loop Track
10. Ring Track

SunTraxFL.com