Florida’s Turnpike System
483 miles

138 interchanges
616 toll lanes

2.3 million transactions per day

Over 800 Million transactions per year
FTE Tolls Testing

- Toll equipment (hardware & software)
- Managed lanes and corridors
- Innovative payment systems
SunTrax Phase 1 | Tolls Testing Facilities

Project Location

475 Acre Site

Infield: Phase 2

POLK PARKWAY

Teco-Auburndale Trail

45 miles to Tampa

46 miles to Orlando

Jacksonville

Tallahassee

Orlando

Tampa

Miami
SunTrax Phase 1 | Construction Progress

June 2017

November 2018
The Future of Transportation

The Future is . . .

- Automated
- Connected
- Electric
- Shared

Benefits of CAV . . .

- Improve Safety
- Enhance Mobility
- Reduce Congestion
- Minimize Environmental Impacts
Research & Industry Outreach for Phase 2

- Automakers (OEM’s)
- Tier-One Suppliers
- CAV/Sensor/Camera Companies
- Tech Firms
- Freight & Logistics Companies
- Universities
- Residential/Commercial Developers
- Proving Grounds Operators
- Proving Grounds Designers
FDOT Connected Vehicle Projects

- 16 CV Projects in deployment and planned statewide, to date
- Signal phase and timing (SPaT)
- Dedicated short-range communication (DSRC)
- Pedestrian safety systems

Planning

1. University of Florida (UF) Accelerated Innovation Deployment (AID) Demonstration
2. Implementing Solutions from Transportation Research and Evaluation of Emerging Technologies (I-Street)
3. Gainesville Signal Phase and Timing (SPaT) Trapezium
4. Central Florida Autonomous Vehicle (AV) Proving Ground
5. Driver Assistive Truck Platooning (DATP) Pilot

Design / Implementation

1. I-75 Florida’s Regional Advanced Mobility Elements (FRAME) Gainesville
2. I-75 Florida’s Regional Advanced Mobility Elements (FRAME) Ocala
3. Gainesville Autonomous Transit Shuttle (GAToRS)
4. Florida’s Turnpike Enterprise (FTE) SunTrax
5. Tampa Hillsborough Expressway Authority (THEA) Connected Vehicle Pilot
6. City of Orlando Greenway/Pedestrian Safety
7. SR 434 Connected Vehicle Deployment
8. Downtown Tampa Autonomous Transit
9. Orlando Smart Community 2017 ATCMTD

Operational

1. US 90 SPaT Tallahassee
2. Osceola County Connected Vehicle Signals
SunTrax Project Timeline

- **Dec. 2016**: Sign MOU with Florida Polytechnic University
- **June 2017**: Begin High-Speed Oval Construction
- **Winter 2018**: Publish ITN for a Facility Operator
- **April 2019**: High-Speed Oval Open for Testing
- **July 2019**: Begin Infield Construction

**Timeline Events**:
- **2016**: CFAVP Designated as USDOT AV Proving Ground
- **2017**: Sign MOU with Florida Polytechnic University, Begin High-Speed Oval Construction
- **2018**: Publish ITN for a Facility Operator, Complete Final Infield Design, Begin Final Infield Design
- **2019**: Facility Operator Acquired, Complete Final Infield Design, High-Speed Oval Open for Testing, Begin Infield Construction
- **2020**: Infield Open for Testing
- **2021**: Infield Open for Testing