



America's New Center for Transportation Innovation



Our Mission

To accelerate the future of transportation



Our Vision

A continuously-evolving center for the development of innovative technologies that improve transportation safety, efficiency, and accessibility

About

SunTrax is North America's premiere automotive testing facility. Built for innovation and designed to challenge the latest in emerging technologies within the autonomous, CAV, tolling, and performance space. Developed by the Florida Department of Transportation and Florida's Turnpike Enterprise, this innovative complex will position the state as an international leader in next-generation testing, driving high-tech commerce and opportunities to the region.



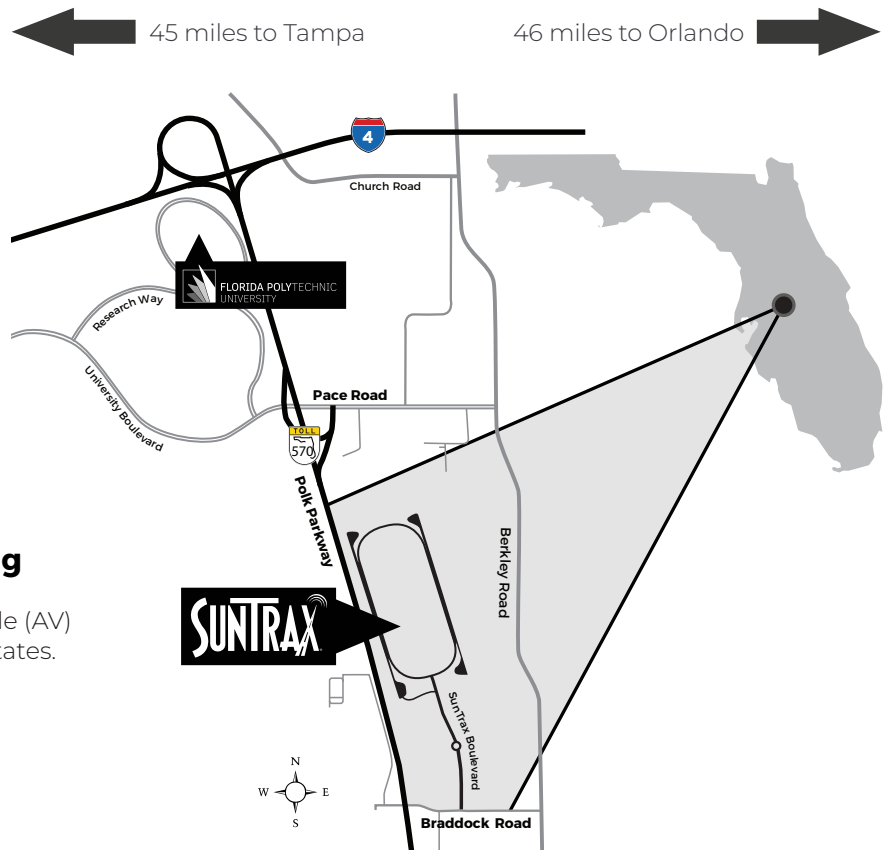
SunTrax is centrally located in Florida, **situated on 475 acres** off I-4 in Polk County, between Tampa and Orlando,



The site is composed of a **2.25-mile-long test track**. The multi-lane track makes it the only highway-speed autonomous vehicle (AV) testing facility in the southeastern United States.



The **200-acre infield** focuses on connected and autonomous vehicle (CAV) testing and features multiple simulated transportation environments.



Project Timeline

SunTrax was developed in two phases. The construction of **Phase One** allowed the Enterprise to test all types of current and future toll technology. Construction began in July 2017, and is now complete. Tolling test operations for Phase 1 began in April 2019.

Phase Two included the infield of the track, which focuses on CAV testing features that have been designed based on extensive input from potential users and industry partners. Construction of the infield began in January 2020 and was completed in fall 2022.



2017

June

Begin highway-speed oval track construction

November

Begin final infield design



2019

April

Highway-speed oval track open for testing

July

Complete final infield design

January 2020

Begin infield construction



2022

Fall

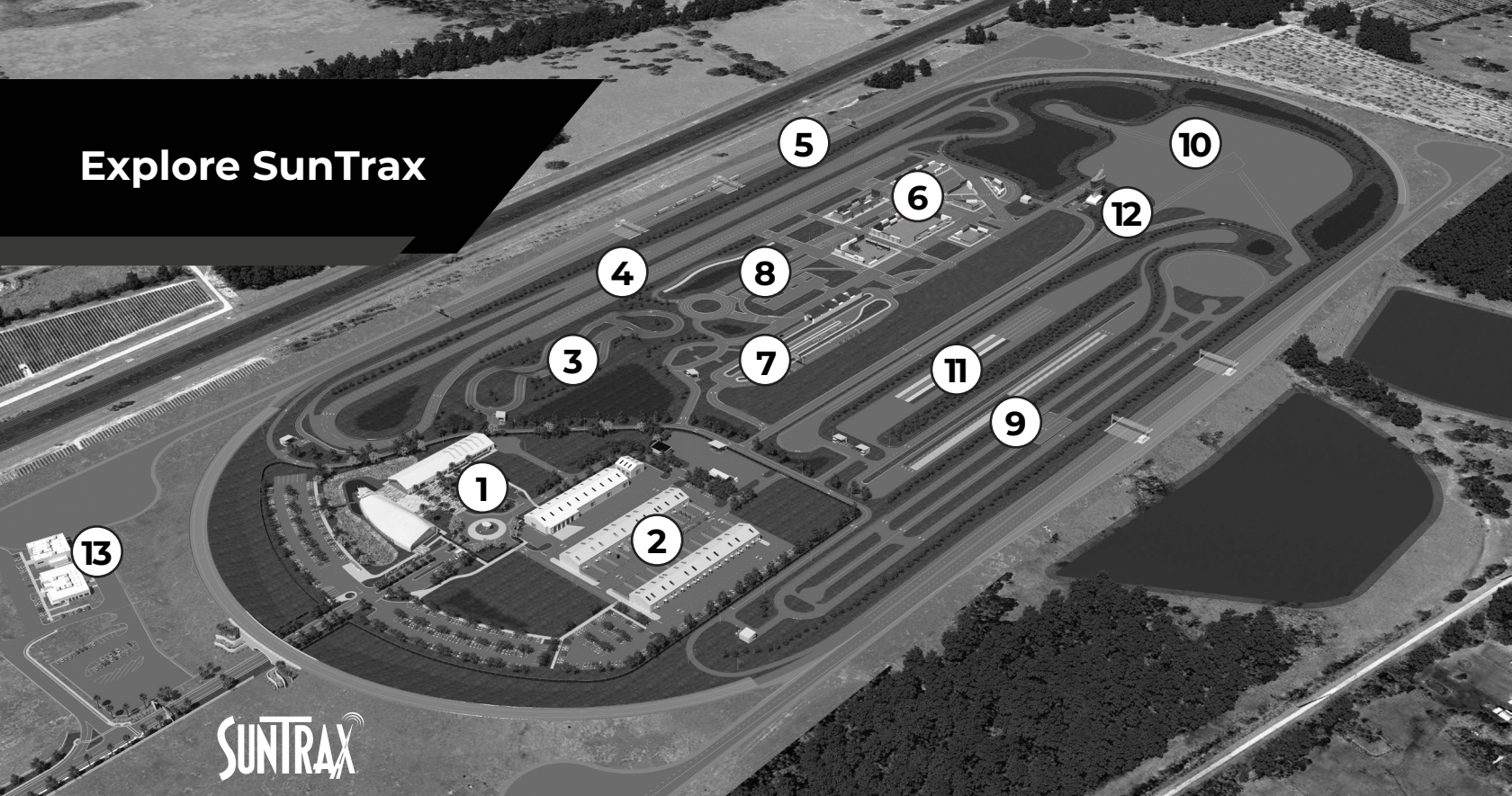
Infield open for testing

To learn more, visit SunTraxFL.com

You can email us at info@SunTraxFL.com



Explore SunTrax



1 Main Entry Campus

- 21,534-sq. ft. Arrival and Conference Center
- Offices, classrooms, plus indoor and outdoor event spaces
- Smart building technologies

2 Maintenance and Workshops

- 28,000-sq. ft. maintenance building
- 56,000-sq. ft. air-conditioned workshop buildings with 18 different 2,800-sq. ft. bays
- Controlled access, resilient high-speed data connection

3 Geometry Track

- Undulating topography built into manufactured hill-scape
- Complex horizontal and vertical curves with irregular grade changes

4 Loop Track

- Incorporates entrance and exit ramps into a multi-lane continuous loop track
- Can be used for maintenance of traffic during road construction and collision avoidance

5 Highway-Speed Oval Track

- 2.25-mile oval track with 70 mph straightaway speed limit
- 1-mile independently operable 5-lane straightaways
- 4 free-flow toll gantries

6 Urban

- Reconfigurable facades simulating city-like buildings using shipping containers
- Simulates complex urban intersection configurations, signalization

7 Pick-Up / Drop-Off

- Replicates multi-modal passenger transfers: airports, hotels, and transit centers
- Adjustable signing and curb-side pick-up and drop-off scenarios

8 Suburban

- Multi-lane roundabout
- Multiple closely-spaced driveways
- Two-lane, two-way traffic

9 Noise, Vibration, and Harshness

- 8 standard "pavement" surfaces
- Tests steering control, durability, and skid control
- External Noise Track

10 Technology Pad

- Accommodates vehicle-in-the-loop testing
- 15-acre total asphalt pad
- Replicates real-world geometric configurations

11 Wet Test Tracks

- Multiple pavement types
- Controlled wetting system
- Concurrent testing capabilities

12 Observation Tower

- 75-foot-tall structure offers a 360° view of most testing environments

13 Operations Building

- LEED-Certified building with exceptional training and testing facilities