

Explore SunTrax.



1 Main Entry Campus

- 20,000-sq. ft. Arrival and Conference Center
- Offices, classrooms, plus indoor and outdoor event spaces
- Smart building technologies

2 Maintenance and Workshops

- 27,000-sq. ft. maintenance building
- 56,000-sq. ft. air-conditioned workshop buildings with 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 High-Speed Oval

- 2.25-mile oval track with 70 mph design speed
- 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
- 28-acre paved open space
- Replicate real-world geometric configurations

11 Wet Test Tracks

- Multiple pavement types
- Controlled wetting system
- Concurrent testing

12 Observation Tower

- 75-foot-tall structure offers a birds-eye view of most testing environments

13 Operations Building

- LEED-Certified building with exceptional training and testing facilities