

Ferry Preclassifier

Determine the fare before arriving at the Booth.

The Ferry Preclassifier is designed to automate the classification of all vehicles as they prepare to enter the ferry and thereby significantly reduce the wait time associated with entry onto the ferry. It uses the latest laser scanner technology to create an accurate profile of the vehicle as it approaches the toll booth. The profile is analyzed and stored in a vehicle record. The vehicle record documents the maximum height, length, number of axles and their locations, the existence of a hitch and the ground clearance of the vehicle. Using this information the system classifies the vehicle into a set of fixed classes. The length of the vehicle along with the maximum height, ground clearance, axles and the vehicle class are presented to the toll collector. The vehicle record complete with the profile is stored for future reference. The system provides a web based system for real time toll collector display and for remote viewing of vehicle records and profiles.

- Designed for Ferry Entry Locations

- Adaptable Design

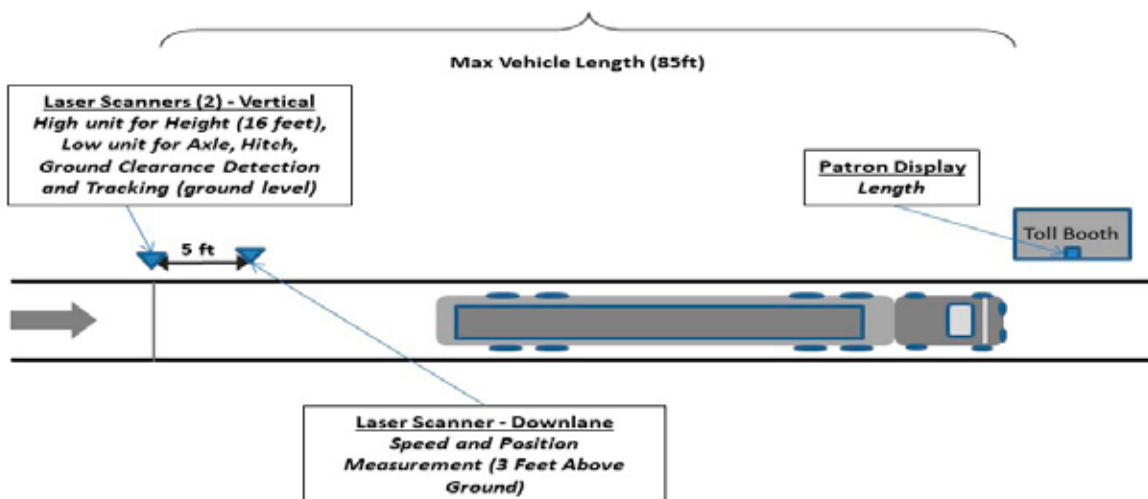
- Hitch Recognition

- Maximum Height, Length, Axles, Ground Clearance

- 0 to 60 mph (Stop & Go)

- Camera Triggering

- AVC to Booth Correlation



Basic System Elements

- Laser Overhead Scanner
- Laser Axle Scanner
- Laser Tracking Scanner
- AVC Controller

Software

- Sensor Interfaces
- Vehicle Tracking/Separation
- Vehicle Profiling
- Vehicle Classification
- Booth Interface
- Camera Triggering
- Host Interface

Vehicle Profile Features

- Axle Locations
- Length
- Height Profile
- Ground Clearance Profile

Special Detection

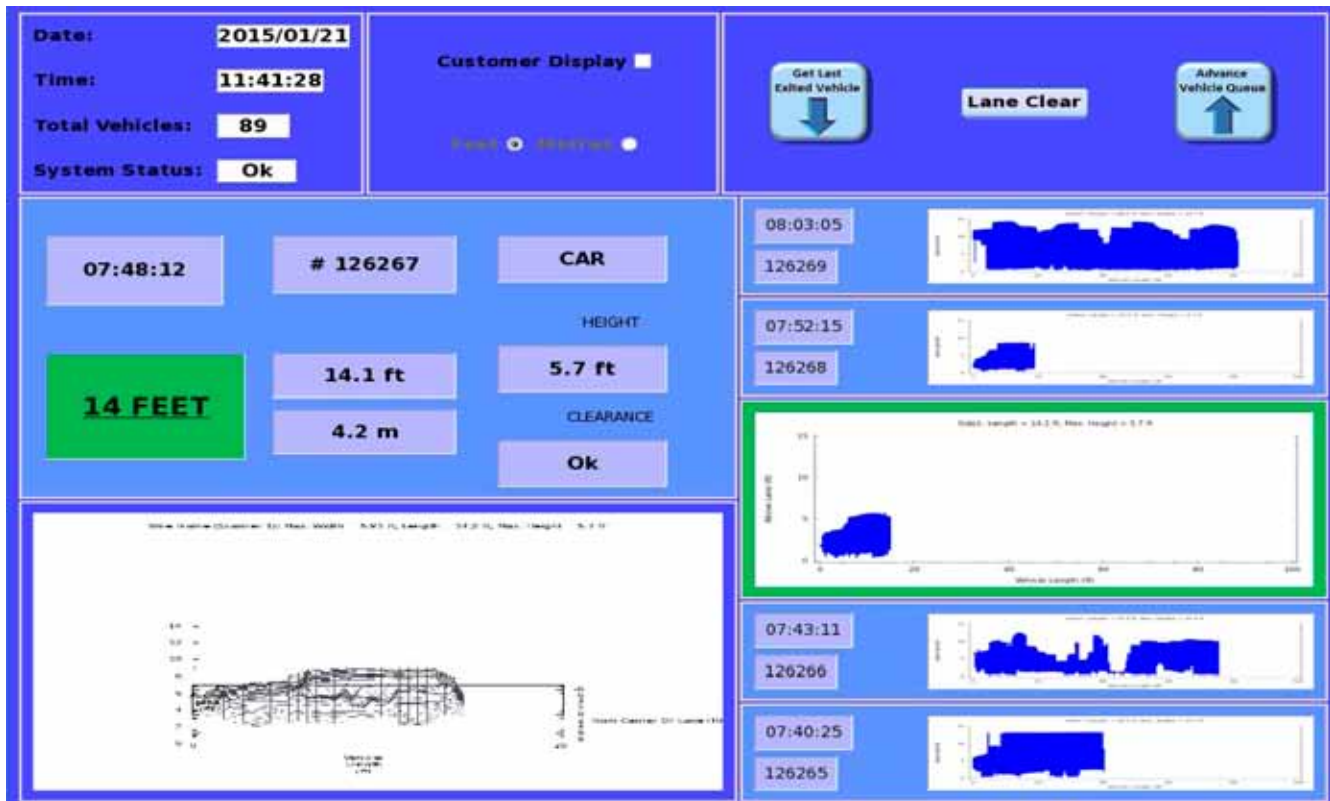
- Hitches
- Forward or Backward Motion
- Vehicle Backouts



Laser Scanner



Industrial PC



AVC to Tag Booth Correlation

Depending on the terminal design, the license plate reader can be used to correlate vehicles passing through a single AVC with the same vehicles as they arrive at one of several toll collection booths. This allows a limited number of classifiers to serve a much large number of toll collection booths.

Contact Info

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