

TRUCK PARKING NEEDS IN TENNESSEE

Purpose of the Project

Whether needed for staging, pick-ups & deliveries or hours-of-service compliance, truck parking is a critical component of supply chain operations. However, there is a huge gap between the demand and supply of truck parking facilities in many states. The purpose of this project is to provide TDOT with guidance on truck parking issues and opportunities, by identifying parking needs (i.e., addition of capacity and/or construction of new facilities); developing truck parking violation rates (i.e., truck parking on on- and off- ramps) and developing/applying a methodology to identify candidate locations for new truck parking facilities in the State of TN.

Scope and Significance

The scope of the research project includes:

- Collect and process truck, network, and rest area data;
- Synthesize truck parking surveys representing nearly 15,000 driver responses;
- Develop extrapolation factors and estimate truck parking utilization and violations;
- Develop and apply a methodology for new truck rest area location selection.

Expected Outcomes

The following are expected outcomes of this research project:

- Develop models and identify new rest areas;
- Innovative use of GPS data for truck parking analysis can become a “best practice” for other state DOTs;
- Truck parking strategies with the greatest value to TDOT and the trucking stakeholders that support the Tennessee economy;
- Support hours-of-service compliance, unauthorized truck parking and the economic gains that come from highly efficient supply chains;
- Help improve safety in the state of Tennessee;
- Support budget allocation for truck rest area enhancement and enforcement in Tennessee;

Time Period

The time period for the project is January 2019 through Dec. 2019

Contact Information

<p>Principal Investigator (PI): Mihalios Golias Civil Engineering Department University of Memphis 104B ESB, 3815 Central Avenue Memphis, TN, 38152 Phone: 901 678 3048 Email: mgkolias@memphis.edu</p>	<p>TDOT Lead Staff: Daniel Palme Freight and Logistics Division James K. Polk Building, Suite 400 505 Deaderick Street Nashville, TN 37243 Phone: 615.741.4031 Email: Daniel.Pallme@tn.gov</p>
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