

# Truck Parking Database

Trucking Lab, LLC

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# Bridging Data Gaps for Stakeholders

## **State DOTs**

Reliable Data to Meet  
Jason's Law Mandates,  
Federal Grants, and  
State Freight Plan



**Federal and Local  
Agencies, and MPOs:**  
Strategic Freight Planning

**Need: Reliable truck parking data**

(e.g., inventory, availability, illegal parking identification, amenity, safety, etc.)

# Truck Parking Data: Gaps & Opportunities

## 1. Outdated Existing Truck Parking Data

- 2019 Jason's Survey Data Issues
  - 2,913 locations (15.8%) removed: bankruptcy, discontinued services, wrong coordinates
  - 2,118 new locations added: pull-outs, undesignated spots, new sites

## 2. Parking Availability Often Unmeasured and Costly

- Why it's important?
  - Identify high-demand areas for capacity expansion
  - Detect locations with undesignated parking usage

## 3. Lack of Standardized Approach for Measuring Capacity

- Updating location and capacity information remains challenging.

# Need: Accurate Parking Lot Capacity

- **Counting Criteria**

- Focus on **semi-trailer parking only**.
- **Reduction factors:** Local trucker parking, trailer drop areas, and unpaved lots (gravel or dirt), potholes

- **Counting Methods**

- Direct Count for Paved Lots
- Area-Based Calculation
- Cloud-Sourced Counts

# Need: 24/7 Availability and Utilization

- **Facility Availability by Classification** (for maintenance)
  1. Public w/ Amenities: Rest areas, service plazas, welcome centers
  2. Public w/o Amenities: Weigh stations, shoulders, pull-out areas, ramps
  3. Private (>12 Spaces): Travel centers, mid- to large-sized truck spots, casinos
  4. Private ( $\leq$ 12 Spaces): Fueling stations, gas stations, malls, restaurants
- **Facility Availability by Clustering Methods** (for planning)
  1. Premium Private Parking
  2. Budget Large Full-service Parking
  3. Budget Medium Mixed Parking
  4. Budget Medium Full-service Parking
  5. Budget Small Mixed Parking

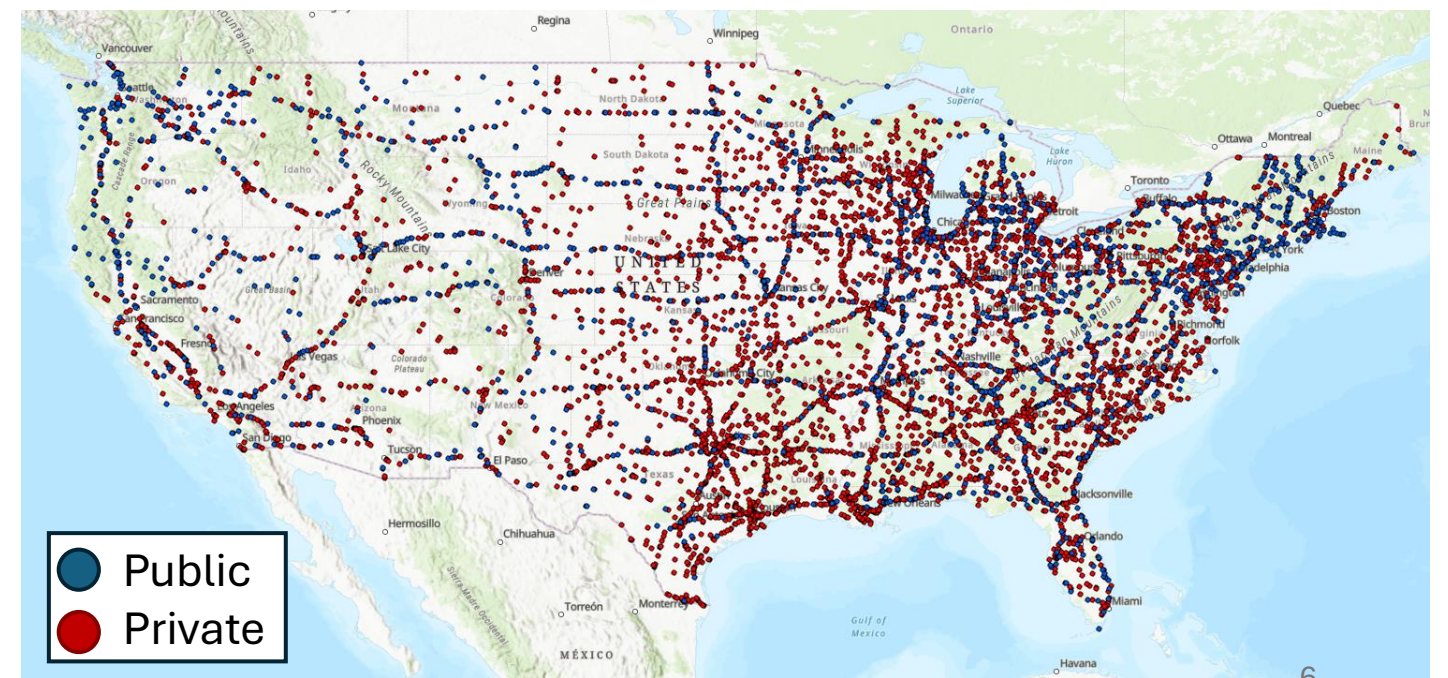
# Our Product: National Truck Parking Data

- Complete Data on **Truck Parking Lot Capacity + Availability** across 48 States (excluding HI&AK)

#	State	Sites		Spaces	
		Public	Private	Public	Private
4	CA	102	224	1,644	12,184
6	CT	20	13	529	792
7	DE	2	8	105	181
8	FL	87	196	3,051	7,619
9	GA	45	292	1,814	11,191
18	MD	24	51	522	1,904
40	TN	61	147	998	6,554
41	TX	87	911	1,632	33,032
45	WA	95	67	952	2,596
46	WI	40	291	984	6,857

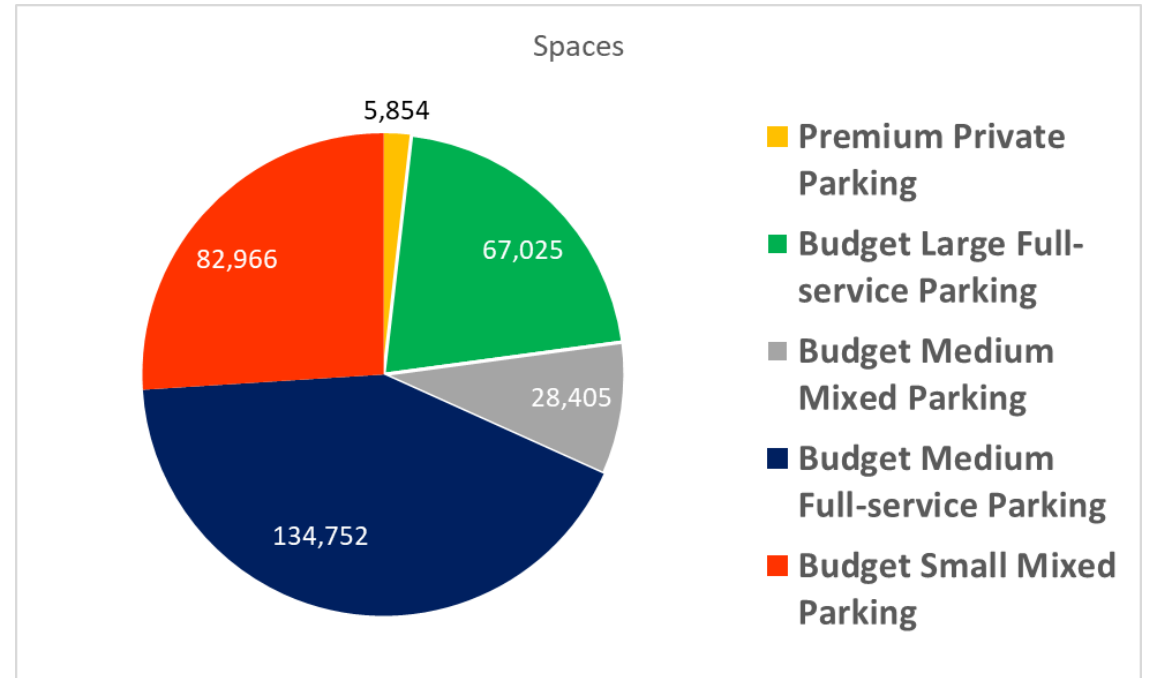
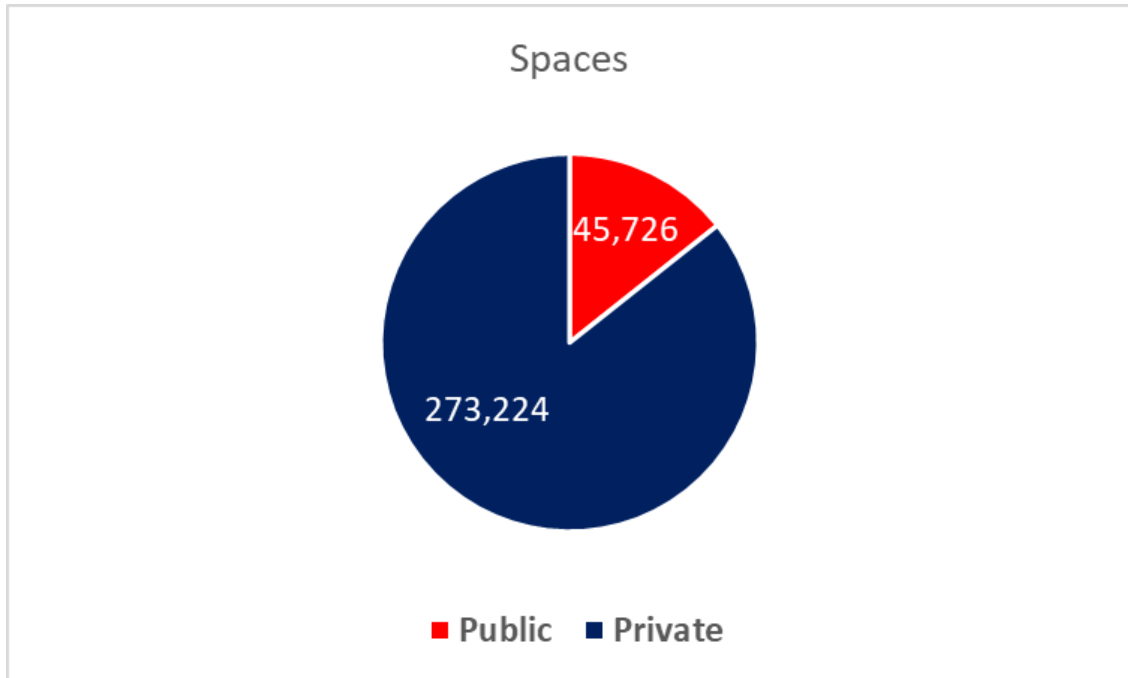
*Parking Lot Statistics for Selected States*

- 10,007 Parking Sites
- 318,950 Parking Spaces



*Collected U.S. Truck Parking Data*

# Data Composition: Public vs. Private



# Where Our Data Adds Value

- **Upcoming [Truck Parking Safety Improvement Act](#)**
  - (h) Use of funds.— (1) IN GENERAL.—An eligible entity may use a grant under this section for— (A) **development phase activities, including planning**, feasibility analysis, benefit-cost analysis, environmental review, preliminary engineering and design work, and other preconstruction activities necessary to advance a project under this section
- **Upcoming Third Round of [Jason’s Law Truck Parking Survey](#)**
- **[Truck Parking Study](#)** (Up to 22 state DOTs may conduct the study)
  1. Predicted Parking Availability & Utilization
  2. Facility and Amenity Assessment
  3. Detection of Unauthorized Parking
  4. Truck Driver Survey via App
- **Truck Parking Demand Analysis** (i.e., utilizing the [2002 FHWA truck parking demand methodology](#))
- **EV Charging Station and NEVI Studies**

# Why Partner with Us?

## **1. Guaranteed Accuracy, Zero Manual Work**

- Our pre-validated data saves time on facility inspections and facility calls.

## **2. Expertise in Truck Parking**

- Led by a founder with extensive field experience, a Ph.D. in a relevant discipline, and a Professional Engineer (PE) license, we are committed to addressing truck parking challenges.

# Sample Data Access

- **Overview**

- Access a curated sample of our truck parking dataset (e.g., 1-2 Counties) with key metrics: parking lot types, availability, capacity, and essential amenities.
- Tailored for government agencies/consulting firms to assess benefits and applications before full data acquisition.
- File Format: Downloadable Excel spreadsheet or GIS shapefile.

- **Terms of Use**

- Sample data is for evaluation purposes only.
- Limited-time access focused on demonstrating dataset capabilities.

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