

TRUCK PARKING DATA AND PLANNING

*Jeff Purdy, AICP, PTP
FHWA Freight Management and Operations*



U.S. Department of Transportation

Federal Highway Administration

KEY TRUCK PARKING FOCUS AREAS

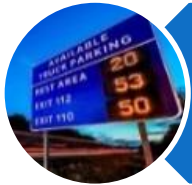


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Parking Capacity

- Creative and innovative means to provide parking capacity



Technology and Data

- Use of technology and data to understand parking demands and maximize utilization of parking



Funding, Finance and Regulations

- Innovative funding and finance to develop, operate and maintain parking facilities



State, Regional, and Local Government Coordination

- State/regional/local government coordination

PARKING CAPACITY

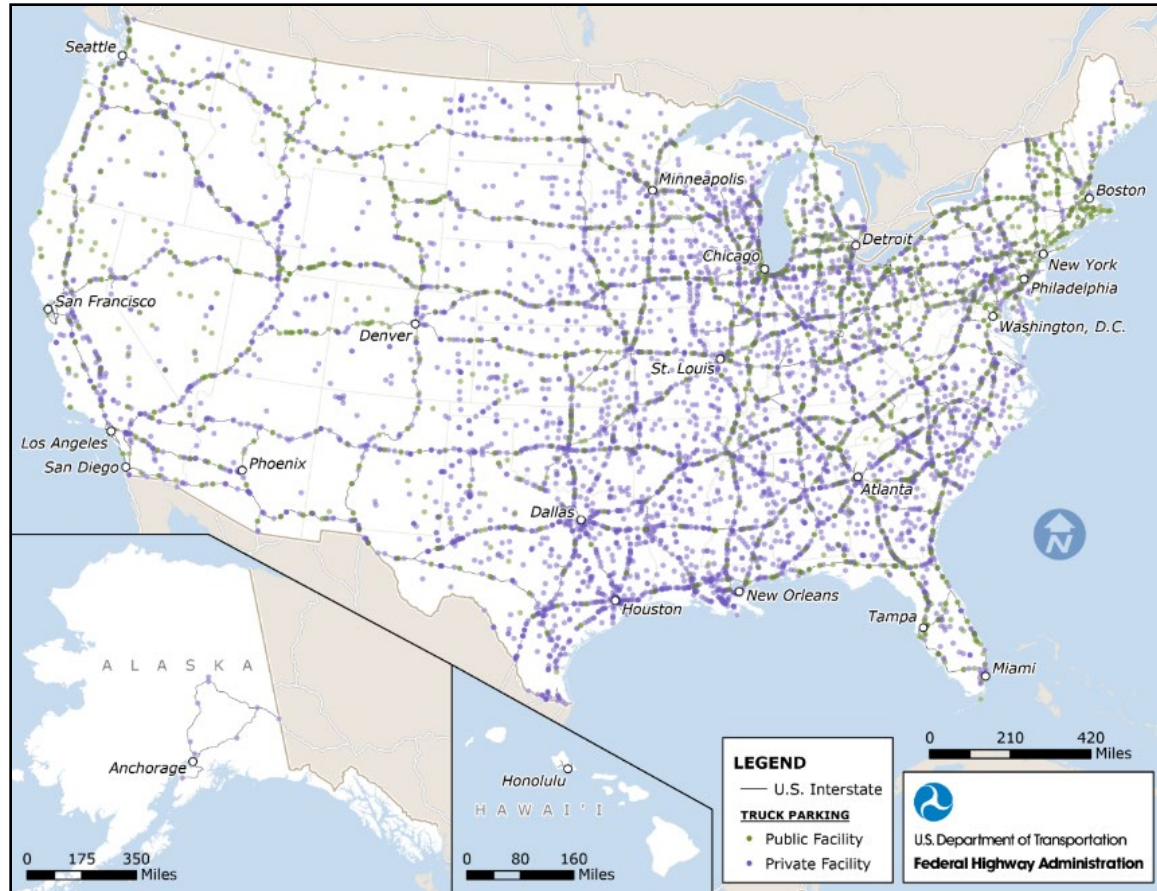


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Jason's Law Survey and Assessment

- State Departments of Transportation
- Commercial Motor Vehicle Safety Enforcement Personnel
- Truck Drivers, Trucking Operations Managers
- Truck Stop Owners and Operators
- Port Authorities



Source: FHWA

TECHNOLOGY AND DATA



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- Disseminate real-time parking utilization information to maximize use of existing sites:
 - Roadside Intelligent Transportation Systems
 - In-vehicle Technology
 - Smartphone Applications
- Expand use of Variable Message Signs to provide parking locations and utilization
- Utilize funding programs for new technology
- Balance with low-tech signage and new parking capacity
- Tie parking apps/technology to existing platforms
- Tie parking technology to parking reservations



Source: MDOT

TRUCK PARKING INFORMATION SYSTEMS



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- Sensing Technology
 - Video technology
 - In-ground sensors:
 - Wireless fluxgate magnetometers
 - In-ground radar devices
 - Inductive loop detectors
 - Infrared sensors
 - Above-ground radar
 - Side laser scanner
- Data Processing
 - Communications
 - Database management
 - Web formatting/dissemination
 - Predictive algorithm
- Information Dissemination
 - Web portals
 - Smartphone applications
 - Interactive voice response
 - In-cab devices
 - Dynamic message signs (DMS)



Source: FHWA / Minnesota DOT



STATE/REGIONAL/LOCAL GOVERNMENT COORDINATION



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- Ensure truck parking is addressed in State and MPO freight plans.
- Encourage industry involvement in State and MPO freight advisory committees.
- Education/outreach involving general public and elected officials.
- Consideration of truck trip generation, parking, and staging in traffic impact studies.
- Include parking and staging requirements in local zoning for industrial and commercial areas.



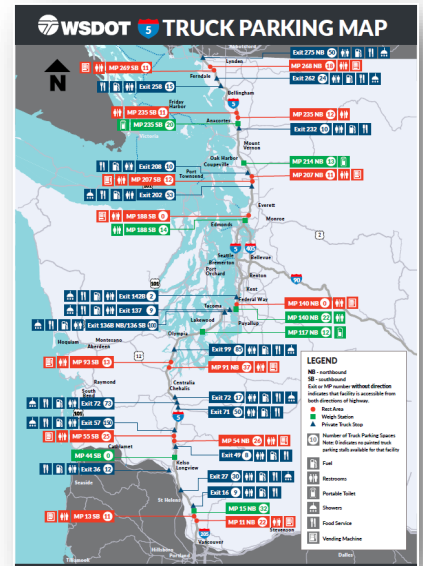
Source: FHWA



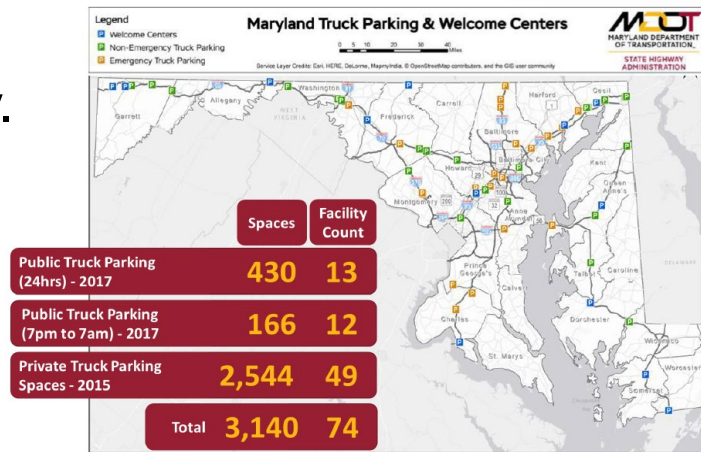
Source: FHWA

STATE AND REGIONAL TRUCK PARKING PLANS

- Baltimore Metro Council Truck Parking Study.
- Truck Parking In Pennsylvania.
- North Jersey Truck Rest Stop Study.
- New York Metropolitan Transportation Council.
- Delaware Valley Regional Planning Commission Regional Truck Parking Study.
- Washington State Truck Parking Study.
- Virginia Truck Parking Study.
- Boston MPO Truck Parking Study.
- Arizona Truck Parking Study.
- Maryland Truck Parking Study.
- I-95 Corridor Coalition.



Source: Washington DOT



Source: Maryland DOT

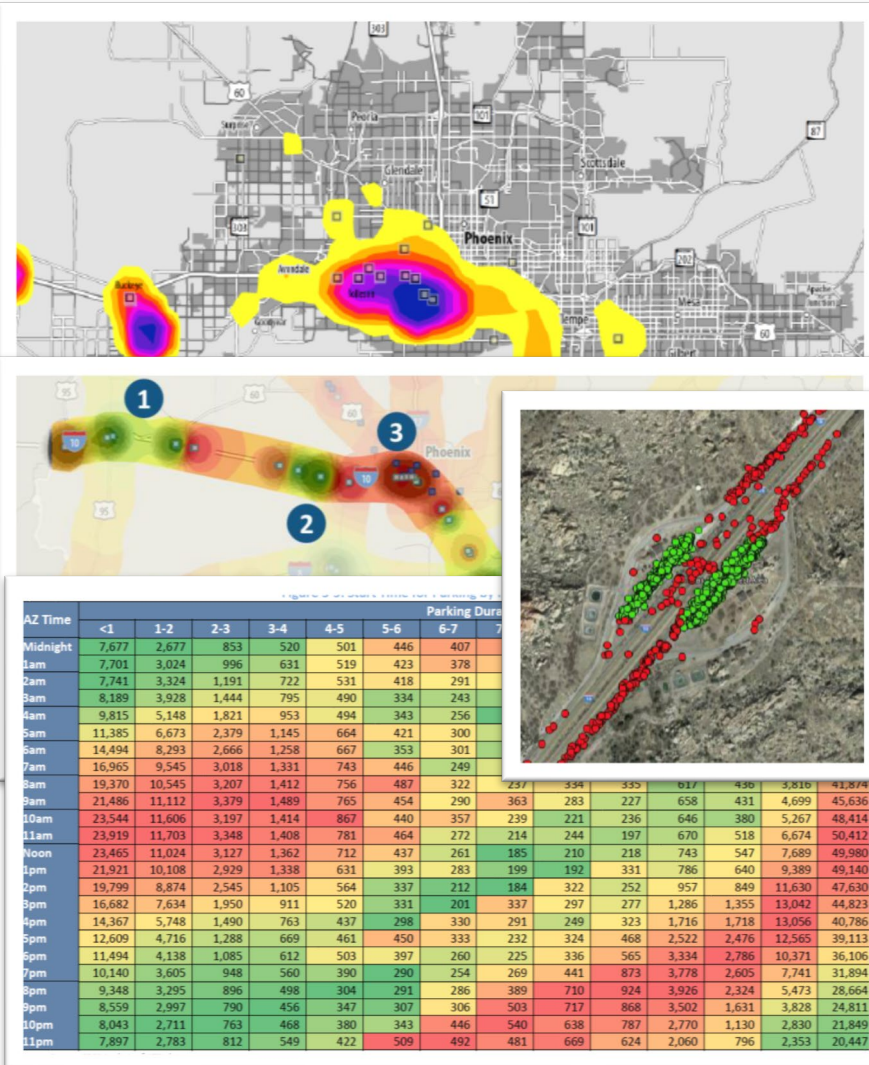
ARIZONA TRUCK PARKING STUDY USE OF DATA



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- Truck volumes and forecasts.
- Truck parking inventory.
 - Public truck parking.
 - Private truck parking.
- Density of truck parking locations.
- Crowdsourced truck parking availability data.
- Locations of truck parking demand.
- Truck parking demand by time of day.
- Truck parking overnight utilization rate.
- Comparison of truck parking supply, demand, and gaps.
- Undesignated truck parking locations.



Source: Arizona DOT

MORE INFORMATION



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Jeff Purdy, AICP, PTP

Federal Highway Administration

Office of Operations

JeffreyPurdy@dot.gov

202-366-6993

https://opsfhwadotgov/Freight/infrastructure/truck_parking/indexhtm