

Truck Parking Research Overview



U.S. Department of Transportation
Federal Motor Carrier Safety Administration

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2024

SAFETY RESEARCH FORUM

VIRTUAL EVENT



Truck Parking Background

- Shortages of truck parking are a national safety and economic problem.
- Lack of parking mean drivers park in places not designed for them.
 - This presents safety and security challenges for all road users.
- Areas with parking shortages may experience an increase in transportation costs.
 - This may result in a higher cost of goods or doing business.



Goals and Objectives

- **Goals**

- **To improve the safety and security of CMV drivers.**

- **Objectives**

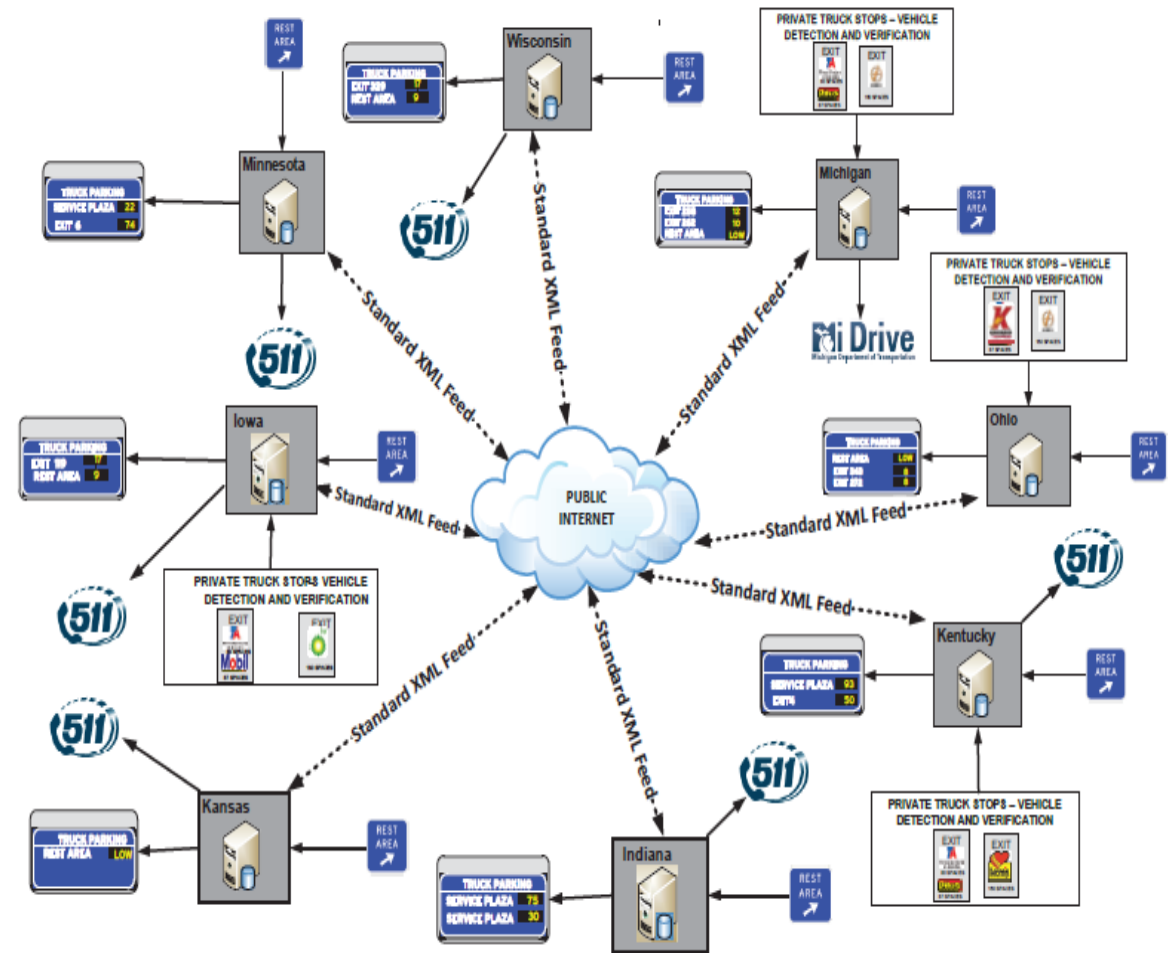
- To advance the adoption of technology that helps drivers obtain truck parking availability information.
- To identify new methods and data sources for measuring truck parking demand and understanding the costs and benefits of parking solutions.
- To engage with industry on new solutions for truck parking information in a connected environment.

Truck Parking Information Management (TPIMS) Activities

- Outreach and Education to Improve TPIMS
- Facilitation of Improvement Efforts
- Exploring TPIMS Alternatives (Data Analysis and Mobile Apps)
- Technology and Standards Development



Source: <https://www.truckersnews.com/news/article/15060658/i-94-truck-parking-information-system-expands>



Source: Regional Truck Parking Information Management System (TPIMS), Kansas Department of Transportation, MAASTO, 2015.

FMCSA Funded Truck Parking Systems and Research

- Truck Parking added to Notice of Funding Opportunities for FMCSA HP-ITD and HP-CMV grants in 2018.
- \$11 M awarded for truck parking by FMCSA since 2018.
- Funding supports TPIMS and truck parking technology and safety research.

Year	State	Type	Project	Amount
2018	Delaware	HP-ITD	Truck parking information system	\$347,237
2020	Texas	HP-CMV	Truck Parking App	\$490,000
2021	Connecticut	HP-ITD	Truck Parking Information Management System	\$1,467,559
2021	Indiana	HP-ITD	Truck Parking Information Management System	\$850,000
2021	Washington	HP-ITD	Truck Parking Technology	\$1,999,752
2022	Texas	HP-CMV	Study of Drivers and Parking	\$350,000
2022	Kentucky	HP-ITD	Truck Parking Information Management System Expansion	\$300,000
2022	Montana	HP-ITD	Truck Parking Information Management System	\$1,145,947
2023	Texas	HP-CMV	Study of Drivers and Parking	\$370,000
2023	Delaware	HP-ITD	Truck Parking Information Management System Expansion	\$320,960
2023	Indiana	HP-ITD	Truck Parking Technology	\$2,000,000
2023	Kentucky	HP-ITD	Truck Parking Information Management System Expansion	\$1,270,400

Truck Parking Intel Research Options and Opportunities



**USING DATA TO SEE
DEMAND; LAYER DEMAND
WITH SAFETY
INFORMATION**



**IDENTIFYING COSTS AND
BENEFITS, RETURN ON
INVESTMENT FOR
PARKING SOLUTIONS**



**UNDERSTANDING USE OF
APPS AND OTHER ONLINE
RESOURCES**

Next Steps

- TPIMS Synthesis, Roadmap for advancing technology adoption
- Exploration of truck parking data exchange
- Truck parking demand dashboard and additional analytics
- Solution oriented analysis of return on investment; costs and benefits
- Continued partnership with stakeholders

Contact Information

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