

# MAASTO Regional Truck Parking

*Truck Parking Information Management Systems (TPIMS)*

## MAASTO TPIMS Project Funding

State	Federal TIGER Grant Award	State Contribution	Total
Indiana	\$4,149,750.50	\$608,580.00	\$4,758,330.50
Iowa	\$3,396,323.36	\$498,086.00	\$3,894,409.36
Kansas	\$3,319,800.40	\$486,864.00	\$3,806,664.40
Kentucky	\$2,780,262.83	\$407,738.00	\$3,188,000.83
Michigan	\$2,741,195.22	\$402,009.00	\$3,143,204.22
Minnesota	\$1,210,326.85	\$177,500.00	\$1,387,826.85
Ohio	\$5,356,717.98	\$785,587.00	\$6,142,304.98
Wisconsin	\$2,045,622.84	\$300,000.00	\$2,345,622.84
<b>Total</b>	<b>\$25,000,000.00</b>	<b>\$3,666,364.00</b>	<b>\$28,666,364.00</b>

**Key Fact:** The Regional TPIMS Project represents a sustained, multi-year focus on improving the efficiency, economic competitiveness and safety of the freight network in Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Ohio and Wisconsin.

## Project Funding

The Regional TPIMS Project has a total estimated capital cost of \$28.6 million (in 2015 dollars). The Regional TPIMS is funded through a \$25 million Federal TIGER grant and state matching funds as shown in the table above. The multi-state collaboration will provide cost efficiencies and innovations in design, procurement and deployment of TPIMS across the MAASTO region.

## Project Benefits

The Regional TPIMS will generate more than \$403 million in benefits through the life of the project by providing truck drivers with reliable, real-time information to make smarter, more efficient truck parking decisions. Better parking information will mean fewer non-routine maintenance repairs on highway shoulders and ramps due to illegal parking. The system also provides more efficient movement of goods, less fuel consumption and reduced emissions by reducing time truck drivers spend looking for parking.

## Project Team

Assisting the MAASTO Partnership in delivering this complex and challenging project is HNTB, a nationally recognized infrastructure solutions firm with more than 60 offices across the U.S., including a presence in each of the eight states of the TPIMS Partnership.



## MAASTO Regional TPIMS at a Glance

- **Funded through a \$25 million federal TIGER grant and state matching funds.**
- **Intended to reduce time searching for parking and to provide safe truck parking alternatives.**
- **Will be deployed in Indiana, Iowa, Kansas, Kentucky, Michigan, Minnesota, Ohio and Wisconsin.**
- **Will monitor truck parking availability and provide real-time information to truck drivers.**
- **Capable of disseminating information through multiple methods, including dynamic signs, smart phone applications and traveler information websites.**
- **In September 2018, will provide its eight partner states with a safer, more efficient and competitive freight system.**

## Project Stakeholders

The following organizations will serve as technical advisors throughout preliminary and final design and assist with trucking industry coordination:

- **Mid America Association of State Transportation Officials (MAASTO)**
- **Mid-America Freight Coalition (MAFC)**
- **American Transportation Research Institute (ATRI)**
- **Owner-Operator Independent Drivers Association (OOIDA)**
- **National Association of Truck Stop Operators (NATSO)**

**Key Fact:** The MAASTO TPIMS is an innovative solution to critical truck parking issues that affect the region's economic competitiveness and the safety and efficiency of the national freight network.

Although access to safe and convenient parking areas for trucks is essential for a robust freight transportation network, truck drivers consistently have difficulty finding areas to safely rest. In 2013, the national Jason's Law Truck Parking Survey revealed that 83 percent of drivers routinely took longer than 30 minutes to find parking. Drivers who have not located parking before reaching their hours of service limits are often forced to park illegally or unsafely, often on the shoulders of highways, on off-ramps or at abandoned facilities. This loss of productivity adds six percent or more to labor costs associated with moving goods through the national freight network.

In response to these concerns, the State of Kansas in partnership with Indiana, Iowa, Kentucky, Michigan, Minnesota, Ohio and Wisconsin are developing a multi-state Regional Truck Parking Information and Management System (TPIMS). The project is funded through a \$25 million TIGER grant and state funds.

The Regional TPIMS is envisioned to be a network of safe, convenient parking areas with the ability to collect and broadcast real-time parking availability to drivers through a variety of media outlets including dynamic signs, smart phone applications and traveler information websites. This will help drivers proactively plan their routes and make safer, smarter parking decisions.

With implementation of the Regional TPIMS in 2018, truck drivers will have the ability to weigh the value of driving an extra five to 20 miles to secure available parking without fearing the unknown or experiencing a lack of availability upon arrival. This will increase drivers' overall productivity and efficiency.

