

Michigan DOT

Traveler Information Systems

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Michigan Department of Transportation

82nd IBTTA Annual Meeting & Exhibition

Safety, Traveler Info and Payment Technologies

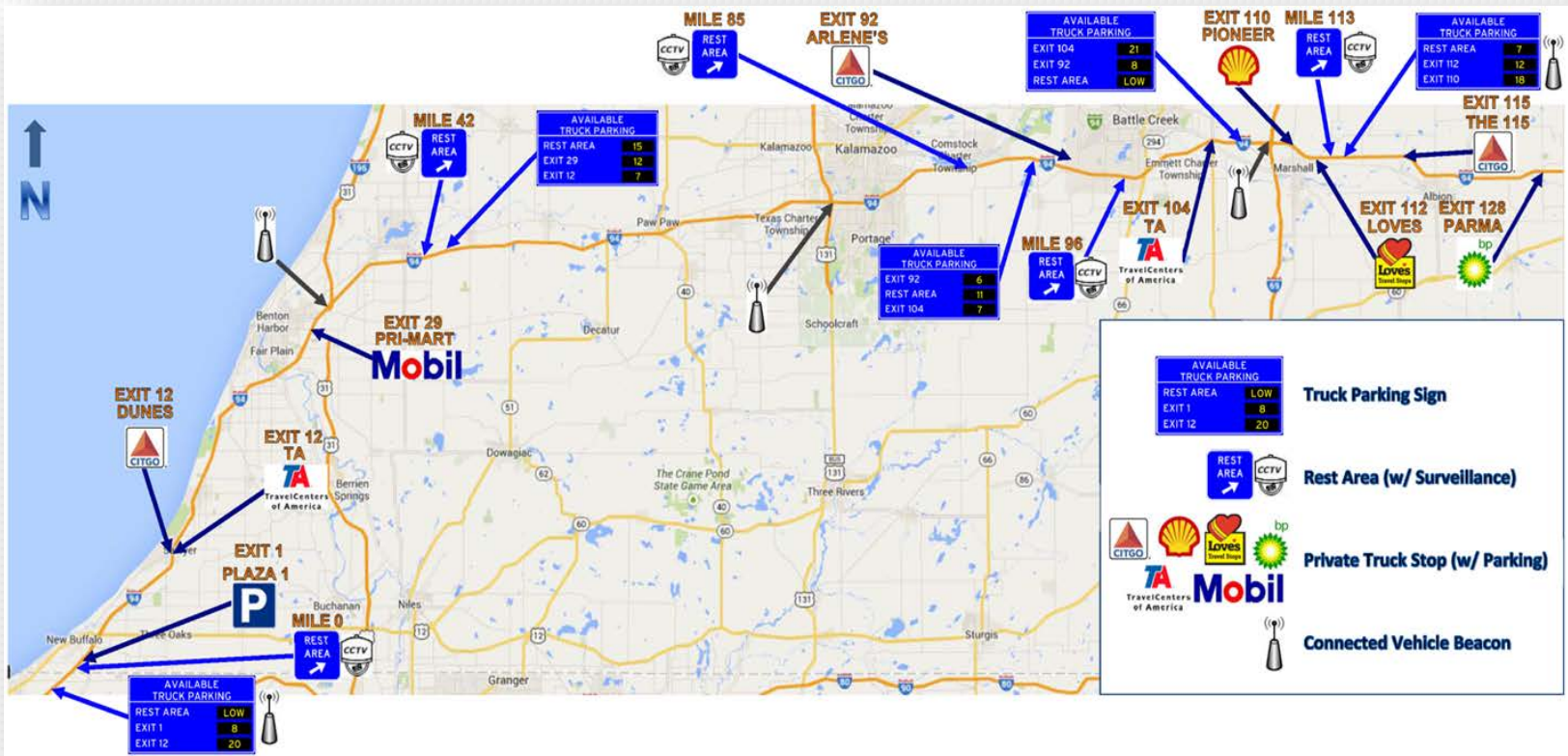
September 16, 2014



Presentation Overview

- MDOT Traveler Information Systems
 - Truck Parking Info and Management System (TPIMS)
 - Weather Responsive Traveler Information (Wx-TINFO)
 - Border Wait Time System

I-94 TPIMS Corridor Overview



TPIMS Info Dissemination

- Dynamic Truck Parking Signs
- Mi Drive Website
- TSPS Website
- Smartphone Applications
- Connected Vehicle Application



Wx-TINFO System

DUAP
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MDOT **MIXON HILL**

Map | Reports | Analysis

Date Selections
Start Date: 03/12/2014 12:00:00 am
End Date: 03/13/2014 12:00:00 am

Weather Selections
 Wx Stations DMS
Display Current Alert
Animate Alert Clear Alert
Last Alert:

Radar: Current By Date
 Animate
Base Short Range Reflectivity: Detroit
Display Radar Clear Radar
Time: 03/12/2014 00:52:00
Opacity:

Trip Data
Time:
Latitude:
Longitude:
Elevation:
Speedometer:
Speed GPS:
Heading GPS:
RPM:
Throttle Position:
ABS Activation:
Brake Activation:
Traction Control Brake:
Traction Control Engine:
Electronic Stability Control:
Wiper Activation:
Surface Temperature:
Ambient Temperature:
Dew Point:
Humidity:

Map: A radar map showing weather conditions over a region including Traverse City, Michigan, and South Bend. A red polygon highlights a specific area with a white callout box containing the text: "S-194E-MM1572-Old US12 HEAVY SNOW USE CAUTION". The map includes a scale bar (30 km / 20 mi) and a Leaflet logo.

Potential Wx-TINFO Messages

- Blowing Snow

**BLOWING SNOW
ON I-94
DRIVE WITH CAUTION**

- Icy Roads

**ICY ROADS
WB I-94
SEEK ALTERNATE ROUTE**

- Severe Thunderstorms

**SEVERE THUNDERSTORMS
METRO AREA
DRIVE WITH CAUTION**

- Reduced Visibility

**REDUCED VISIBILITY
NEXT 5 MI
REDUCE SPEED**

Border Wait Time System

- Location: Blue Water Bridge (International Crossing)
- Partner: Ministry of Transportation – Ontario
- Accesses Delay at Border
- Info for Motorists
 - Roadside DMS
 - Mi Drive Website
 - Applications
- Scalable to other Crossings



MIDOT



Better. *Faster*. Cheaper. Safer. Smarter

