2019 TSMO365 Peer Exchange Workshop

June 25 & 26, 2019 (9:25-9:35 am)
Salt Lake City, Utah

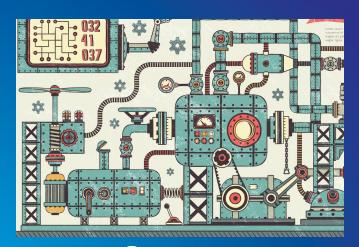
AASHTO CTSO Community of Practice on Road Weather Management

AND

Building a Strong Transportation Systems Management and Operations
(TSMO) Foundation
for

Weather Responsive Management Strategies and Solutions





Weather DATA!

What to do with it?

Collection and Management, Integration, Applications, etc.

ESS Auto Triggers Messaging/Warnings for Curves and Bridges







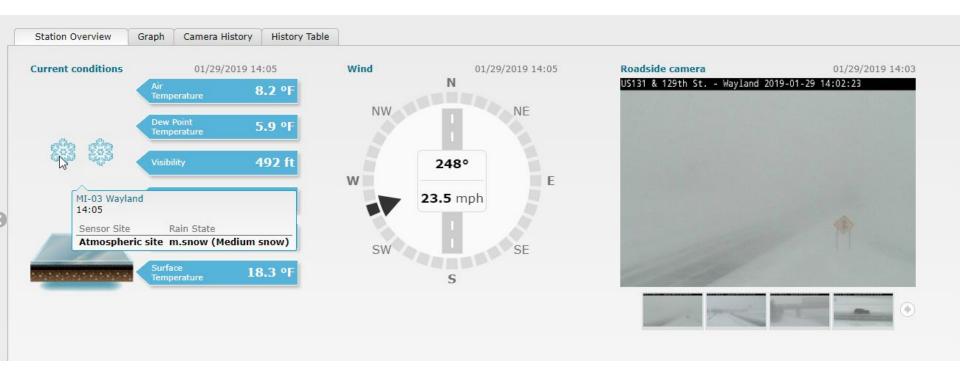
Active ESS Warning System Detects Slippery Road Conditions

Safety Benefits:

- Know when to pay attention (static signs can be just background & unnoticed)
- Alerts drivers when to pay attention
- Gives motorists extra time to react



ESS Data Triggers Auto Messaging to DMS





ESS Image - Foggy Conditions



Examples of DMS Motorist Advisories/Warnings

White Out Conditions

WHITE OUT CONDITIONS
ON I-94
REDUCE SPEED

Icy Roads

SLIPPERY ROADS

WB I-94

REDUCE SPEED

Low Visibility

NEXT 5 MI
REDUCE SPEED

Tornado Warning

TORNADO WARNING
INGHAM COUNTY
8:00 - 10:00 AM

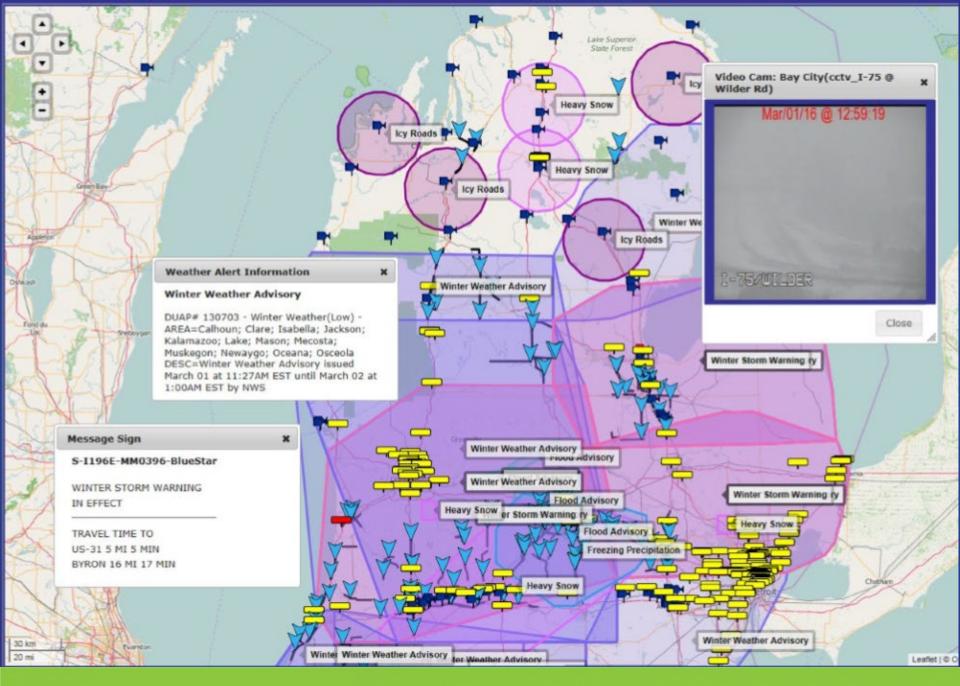


Michigan DOT Vehicle Data Collection Description



RWIS

NWS, ASOS, AWOS, etc.



Early March Winter Storm



Snow Plow Trucks Images on MiDrive

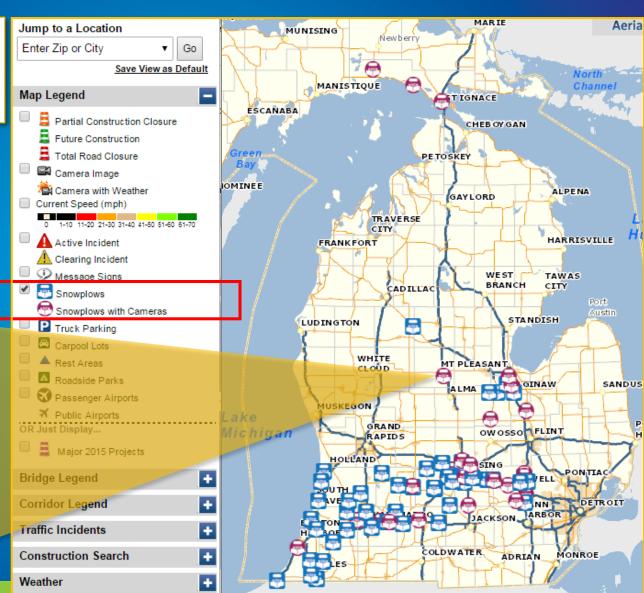


www.Michigan.gov/drive

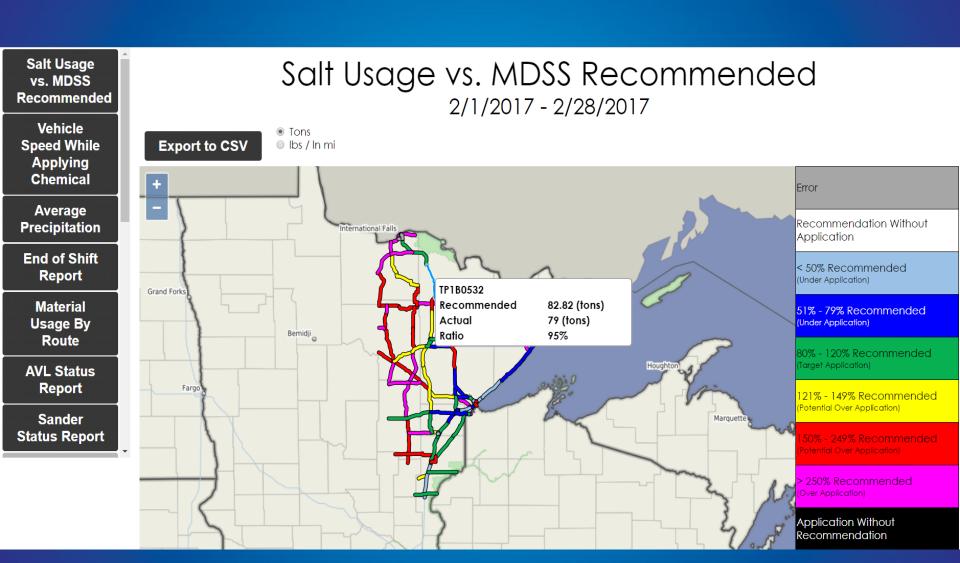
Trucks visible when:

- Driving >10mph
- & Within 50ft of trunkline
- & Plow down and/or spreading material





Data & Performance Metrics - Minnesota DOT MDSS Usage Reports



Data & Performance Metrics

