Road Weather Information Systems

Tim Boyer, P.E.
Transportation Engineer
Statewide RWIS Coordinator

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Today

- What is RWIS?
- Why do we need RWIS?
- Ohio RWIS Overview
- Data Uses
Ohio Districts/Counties

Ohio Transportation Engineer's Conference 2016
What is RWIS?

Roadway Weather Information System

Weather stations located along road network

Environmental Sensing Stations (ESS)

Local, ground level information

Valuable readings 24/7/365
Surface Observations

Why does radar sometimes either show or not show correct precipitation?
Surface Observations
Radar Rain/Snow Line
Road Weather Information System

- Pavement temperature and condition
- Precipitation type and intensity
- Temperature and dew point
- Wind speed and direction
- Select others
ODOT’s RWIS
Decisions to Make

1. When and where will event start?
2. What type of event will occur?
3. How much snow/ice will occur?
4. What will the pavement temperature be?
5. What will the wind do?
6. What will the traffic conditions be?
7. When will the event end?
8. What is the forecast following the storm?
Other Data Users

- Snow & Ice Performance
- Research Projects
- Local Media
- MADIS
- MesoNet
- Public Records Request
Contact Information

Tim Boyer, P.E.
Ohio RWIS Coordinator
timothy.boyer@dot.ohio.gov
614-752-5732