



# PennDOT Road Weather Information System (RWIS)

**RWIS Data** 

Air temperature

Precipitation type

Surface state

Grip level\*

Surface temperature

Precipitation amount

## **Bureau Of Maintenance and Operation**

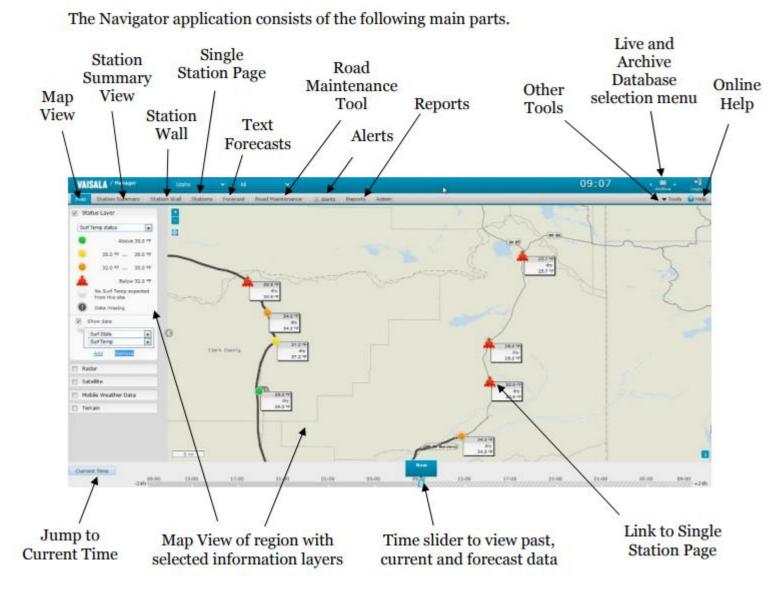
# **Problem/Challenge Addressed**

Not knowing when a severe weather condition will occur, and what will be the best methods to deal with any weather incident.

## **Results/Key Takeaways**

Snow and other weather-related concerns can be predicted and well managed before it escalates

#### Overview of the Application

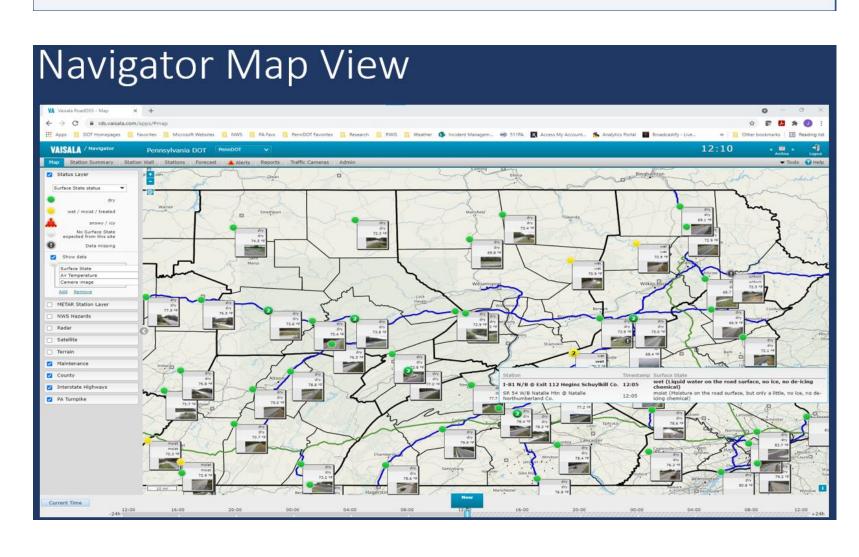


#### **Station Overview**

The Station Overview module will display present weather observations, including wind data from the sensors and camera image(s) from the station will also be when installed. If traffic counting data is available then this will be displayed on this view.

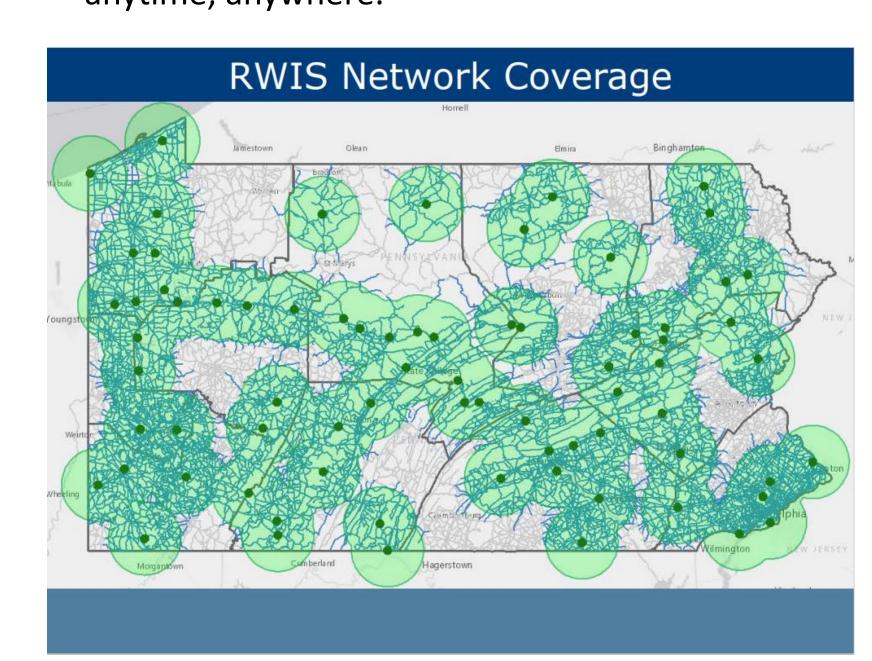


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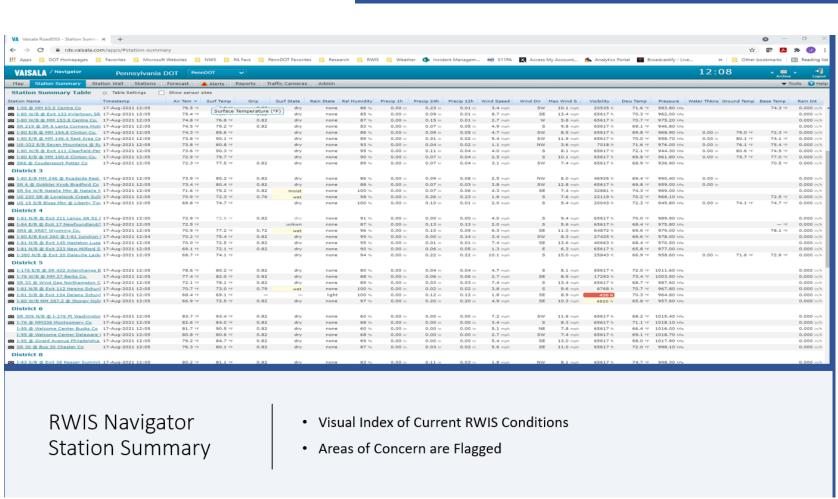


# Method/Process/Product to Resolve Challenge

Road Weather information- knowing exactly what is going on with the roadway, now and in the future- is the key to successful decision making. Combine intelligently designed road weather station, with sophisticated algorithms and smart power management and hosted RoaDSS software solution Giving you a resilient method display and storage, ensuring access to your information anytime, anywhere.



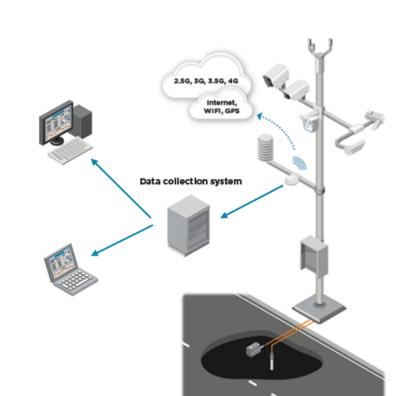


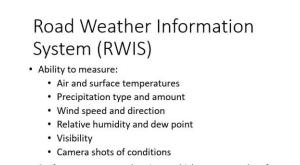


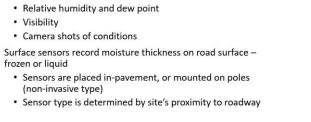


#### Road Weather Information System (RWIS)

- Roadside sites equipped with weather sensors and cameras
- Sites gather and return data over 4G cellular network
  - Data is accessible through a webbased program provided by the vendor
  - Vendor's program provides road weather data in a dashboard view









## **Contact Information**

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