

Missouri Department of Transportation partners with Lead Creek Technologies. (LCT) to install the new StaRwis non-intrusive Road Weather Information System across the Missouri River, in Washington, MO.

MODOT and Lead Creek Technologies LLC partner to design and deploy a new RWIS station at the Missouri River Bridge in Washington, MO. The new RWIS includes the OTT HydroMet StaRwis sensor. The StaRwis is a non-intrusive sensor utilizing LED technology. The StaRwis is a solar powered, wireless bridge deck sensor which captures roadway grip/friction data. MODOT's StaRwis is deployed with a variable speed limit sign.

MODOT uses RWIS Environmental Sensor Station (ESS) in the field to collect weather data such as atmospheric parameters, pavement conditions, pavement friction, and visibility.

MODOT uses the information gathered as well as the camera images for maintenance decision support; much of which is essential for winter maintenance activities. The information is also sent to the National Weather. There are currently 40 RWIS systems throughout Missouri, and 6 mobile RWIS (MARWIS) systems.

