

FY 2010 RESEARCH PROBLEM STATEMENT

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TITLE ([more info](#))

Evaluation of Non Intrusive Pavement sensors

PROBLEM (Description of need) ([more info](#))

The Current Road Weather condition sensors that we use are the FP2000 from SSI. These installations require us to have a core drilled out of the pavement and a conduit for the connection leading back to the Sensor controller. These sensors are expensive, about \$2,000 hardware cost alone for each sensor along with the installation labor and lane closure disruption. Once installed and the years go by, when a new paving project comes through the sensor gets destroyed during the pavement grinding.

PROPOSED RESEARCH, DEVELOPMENT OR TECHNOLOGY TRANSFER ACTIVITY ([more info](#))

Evaluate new technology that is emerging that could be a better solution for a non intrusive pavement sensor. Conduct trial installations and establish standard procedures for installation and integration with our roadway weather reporting structure.

BENEFITS ([more info](#))

Possible lower replacement costs, reduced lane closure disruption and no loss of the sensor during pavement projects.

CONTACT INFORMATION:

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Problem Statement Number: