Probe-based Pavement Maintenance

HOW COULD THIS HELP?

✓ Gathers important roadway data for agencies to act upon

✓ Supports asset management and maintenance

SOLUTION IMPROVEMENTS

✓ Pothole management

✓ Pothole related crashes

HOW DOES THIS WORK?

✓ An application allows vehicle to automatically report potholes or other pavement anomalies.

✓ Provides information to an angency and the public on asset condition

SOLUTION PITFALLS

✓ Infrastructure and vehicle must be V2I equipped

INVESTMENT

+ V2X ROADSIDE UNIT COST PER MILE-FREEWAYS
$52,000

+ V2X ROADSIDE UNIT COST PER INTERSECTION-SIGNALIZED CORRIDORS
$26,000

+ V2X SIGNAL CONTROLLER COST PER INTERSECTION-SIGNALIZED CORRIDORS
$10,000

+ FIBER OPTICS COST PER MILE
$158,000