Eco-Traffic Signal Timing

HOW COULD THIS HELP?

- ✓ Optimizes the performance of traffic signals

- ✓ Reduces fuel consumption

HOW DOES THIS WORK?

- ✓ An application uses data collected wirelessly from vehicles (and other sources) to optimize the performance of traffic signals, thus reducing fuel consumption and emissions.

SOLUTION IMPROVEMENTS

- ✓ Unoptimized traffic signal timing efficiency

- ✓ Excessive emissions

- ✓ Excessive fuel consumption

SOLUTION PITFALLS

- ✓ Infrastructure and vehicle must be V2I equipped

INVESTMENT

- **+** V2X ROADSIDE UNIT COST PER MILE-FREEWAYS
  N/A

- **+** 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