EnableATIS (Advanced Traveler Information System 2.0)

TRANSPORTATION NEEDS ADDRESSED

MOBILITY

HOW COULD THIS HELP?

✓ Improves/transforms system management functions to reflect traveler decisions

HOW DOES THIS WORK?

✓ Enhanced traveler information services record or infer user decisions and other contextual trip data that, when suitably processed to improve or transform system management functions.

SOLUTION IMPROVEMENTS

✓ Unoptimized system management functions

SOLUTION PITFALLS

✓ Infrastructure and vehicle must be V2I equipped

✓ Dependent on volume of probe vehicles for data

✓ Requires software application development

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

Disclaimer: all content is for planning purposes only and published as of Summer 2020. Contact the author at shacav@mdot.maryland.gov with any questions or comments.

MDOT MARYLAND DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION