Response, Emergency Staging and Communications, Uniform Management, and Evacuation (R.E.S.C.U.M.E)

TRANSPORTATION NEEDS ADDRESSED

V2I

SAFETY

HOW COULD THIS HELP?

✓ Increases efficiency and effectiveness of incident response due to the applications aid in pre-staging the scene

HOW DOES THIS WORK?

✓ The purpose of the Emergency Communications and Evacuation (EVAC) application is to facilitate coordination for evacuees. During an incident, the Emergency Management Agency (EMA) would have the ability to push information such as evacuation orders by evacuation zone to registered users of the system (either those that have pre-registered, or real-time registration during the event) through the EVAC application.

✓ The Transportation Management Center (TMC) working with the Emergency Operations Center (EOC) will use the EVAC application to coordinate the listing of available transportation resources to assist with special needs evacuation. The EVAC application will dispatch and route the transportation resources to the appropriate location, while providing communications updates to individuals in need of assistance.

SOLUTION IMPROVEMENTS

✓ Safety of Emergency Rescue Responders and Travelers

✓ Distracted driving

✓ Multi-car pile-up

SOLUTION PITFALLS

✓ Infrastructure and freight vehicle must be V2I equiped

✓ Requires software application development

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.

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