

Logo:



Abstract:

The purpose of the Elizabeth Emergency Alert System (EEAS) project is to propose an emergency alert system positioned initially at two major intersections that will warn pedestrians and drivers of approaching emergency ambulatory vehicles. The system will be designed and implemented for the city of Elizabeth at two busy intersections adjacent to the city hospital and the city high school: Broad Street and Pearl Street – and – Broad Street and South Street.

The system will consist of transmitters in emergency vehicles that communicate with receivers located before the major intersections. It will utilize existing RFID technology similar to that of the EZ-Pass system; making the necessary modifications and enhancements to ensure the success of the system. This system will activate warning signs strategically positioned in the specified intersections which will alert the public, drivers and pedestrians, of approaching emergency vehicles.

This emergency alert system will serve to benefit the city of Elizabeth by aiding in the prevention of accidents and accelerating ambulance response and travel time.