

Traffic Sensor

Exhibit 1 – Item 10

10a The Traffic Sensor is an FMCW radar that is mounted overlooking busy traffic areas in primarily urban environments. The purpose is to identify moving vehicles, report their speed and lane of travel in built-lane scenarios for traffic management authorities to monitor traffic flow. Radiolocation is used to detect the moving vehicles in the sensor's field of view. A processor is used to analyze the returned data for identification of traffic in multiple or single lanes. The information is reported back to a central monitoring station by hardwire phone lines. These sensors could be placed at every intersection and along the roadway where ever traffic monitoring is crucial to minimize tie-ups, expedite emergency services, etc.

10b Accurate detection and reporting of vehicles as exposed to the sensor.

10c The Traffic Sensor provides a lower cost solution to expensive loop detectors. Where the inductive loop approach requires a loop for each lane and high installation costs, the Traffic Sensor covers multiple lanes with a single unit, and the installation costs are a fraction of the inductive loop costs, and there are no traffic delays associated with the installation.

Exhibit 2 – Item 10

