From the VII Homepage: "About 21,000 of the 43,000 deaths that occur each year on U.S. highways result from vehicles leaving the road or traveling unsafely through intersections. To save lives and prevent injuries on roadways, communication between vehicles and between vehicles and the roadside is required. … Data transmitted from the roadside to the vehicle could warn a driver that it is not safe to enter an intersection. Vehicles could serve as data collectors and anonymously transmit traffic and road condition information from every major road within the transportation network. Such information would provide transportation agencies with the information needed to implement active strategies to relieve traffic congestion."

While the goal of the VII POC is to test out the network architecture that has been designed to fulfill the above goals, it will also be the first implementation of a system using the 5.9GHz DSRC band for ITS applications. In order to support the building of the POC (and specifically to help determine the placement of Road-Side Equipment), we need to complete some tests before the build-out, to calibrate our propagation models' representation of DSRC coverage. We will perform drive tests in the vicinity of Booz Allen Hamilton's Herndon and McLean facilities and measure the performance of the DSRC radios we have purchased from TechnoCom.

We may need to provide further DSRC testing, in support of the POC effort, which is why the license extends beyond the building of the POC.