

Narrative

a) The complete program of research and experimentation proposed including description of equipment and theory of operation.

The U.S. Department of Transportation, Research and Special Programs Administration, Volpe National Transportation Systems Center (Volpe) [Contract No. 18888CP T0004] is providing technical assistance to the U.S. Capitol Police (USCP) implementing a Truck Interdiction and Monitoring (TIMP) Program. The USCP Truck Interdiction and Monitoring Program will require contractor services to investigate, permit and deploy hardware, software and related equipment. The program is intending to provide technology for protection of the US Capitol from a wide range of possible threats.

The goal of this Program is to design and install a system to monitor all approaches to Capitol Hill from the north, south, east and west. To achieve this goal, a combination of CCTV cameras and sensors will be installed to aid in the detection of trucks and buses. The command and control components of this system will be installed at the USCP Headquarters building. The camera and other sensor systems and traffic switching mechanisms will be installed at or near major traffic intersections located within the area surrounding the US Capitol.

b) The specific objectives to be accomplished:

- 1) Create Operational Security System for U.S. Capitol Area – Downtown Washington D.C
- 2) Integrated Camera Monitoring System with Wireless Uplink
- 3) Mobile Shared information platform providing information to public safety personnel.
- 4) Continuous Monitoring of Camera, Sensors, and live information
- 5) Video switching and recording system and display monitors in USCP Headquarters Command Center
- 6) Monitor Vehicle movement through camera
- 7) Provide Integrated Capability to Monitor and Determine Possible Threats

c) How the program of experimentation has a reasonable promise of contribution to the development, extension, expansion or utilization of the radio art or is along lines not already investigated.

This type of wireless network will provide the flexibility for delivery of an integrated sensor system focused on the use of cameras. This type of system has potential for providing a higher level of protection for critical infrastructure operations across the United States. This program intends to further the use of radio technology in new generation infrastructure protection systems.