

Critical Infrastructure Monitoring System (CIMS)

This project has focused on providing surveillance capability to the Port of Boston and its surrounding critical infrastructure, evacuation routes, and other areas of high vehicle and pedestrian traffic. The internet-based CIMS will feature nine, independent and interoperable nodes tied together through a central hub. Each jurisdiction in the Metro-Boston Homeland Security Region (MBHSR) will have full control of their own system, regulating administrative functions and data usage, with viewing and control access to the other jurisdictions' cameras within the region depending on permissions.

The project began in 2005 as an initiative within the MBHSR Law Enforcement Subcommittee. A region-wide survey revealed that surveillance capability existed within Boston, Chelsea, Everett, and Revere, and it was determined that the project would be completed in two phases. Phase I connected the four existing systems and enhanced capacities within Boston. Costs for Phase I were \$1.11M in FFY2004 and \$1.44M in FFY2005. Phase II is a FFY2006 initiative and will provide surveillance infrastructure to the remaining five jurisdictions in the region while enhancing the existing Phase I systems. \$3.45M has been allocated for Phase II.

Project Details

Sites were surveyed by representatives from Boston PD, Boston Transportation Department, MOEP, and Trident Consulting, and 19 camera locations were identified as advantageous for viewing critical areas within the City. Partnerships have been established between BPD and BTM and the Department of Conservation and Recreation (DCR) to allow surveillance infrastructure to be installed on traffic signals within the City. BTM has access to BPD cameras.

Another partnership was formed with the Federal Protective Service (FPS), who has volunteered their space in the JFK building as a hub for the system, providing space on the roof and internet access.

MOEP allocated an additional \$1.79M to the Boston PD for supporting surveillance initiatives, and a 25-camera supplement to Phase I was completed in early 2007 at a cost of approximately \$1.2M. The balance of this allocation will be used to support BPD infrastructure in Phase II of CIMS.

In 2006, MOEP contracted with URS Corporation to provide technical support for the development of the Phase II RFP. Representatives from URS worked with the MBHSR Surveillance Working Group, a subset of the Law Enforcement Subcommittee representing all nine communities, to draft a Technical Requirements Package for CIMS. This document addressed user interface issues as well as technical specifications, and served as the backbone of the RFP requirements.

The RFP for Phase II of CIMS was published in March 2007, and following evaluation of responsive proposals, Smiths Detection-LiveWave was chosen as the vendor.

MOEP and BPD have had discussions with several federal, state, and local agencies, including MassHighway and the US Coast Guard, about potential partnerships through CIMS. These partnerships will be revisited as Phase II takes shape.

Project Status and Action Items

We are awaiting the execution of the Phase II CIMS contract. Once finalized, a design phase will take place to determine the best method for implementing the proposed system, followed by installation.

MOEP is awaiting confirmation from Boston Police that the BPD 25 Camera Supplement to CIMS Phase I has been accepted. There have been networking and hardware issues that have prevented BPD from fully accepting the system to date.

There is also an outstanding balance from the initial Phase I as a networking issue is being resolved.

Funding detail for CIMS is as follows:

PHASE I		
Boston	19 Cameras	\$947,630.07
	Supplemental 25 Cameras	\$1,196,767.00
Backbone	Boston to FPS, FPS to Revere	\$124,888.11
	Chelsea to Everett	\$106,296.50
	Everett to FPS	\$101,020.29
	Revere to Chelsea	\$62,402.34
Phase I Total		\$2,539,004.31
PHASE II		
Boston	# Cameras TBD	\$550,000.00
Camera & Backbone	65 Cameras Total:	\$2,900,000.00
	Brookline – 12 Cameras	
	Cambridge – 8 Cameras	
	Chelsea – 9 Cameras	
	Everett – 3 Cameras	
	Quincy – 8 Cameras	
	Revere – 9 Cameras	
	Somerville – 7 Cameras	
Winthrop – 9 Cameras		
Phase II Total		\$3,450,000.00
CIMS TOTAL		\$5,989,004.31

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