



To: Kevin Murphy  
City Manager

From: William Taylor  
Superintendent of Police

Date: June 29, 2017

Re: Council Request

William M. Taylor  
Superintendent

Deborah H. Friedl  
Deputy Superintendent

Jonathan C. Webb  
Deputy Superintendent

**7.7. 3/28/17 Councilor Leary – Request City Manager review the use of cameras at City park locations.**

The projected increase in bandwidth and signal traffic from the soon to be purchased wireless cameras prompted the Lowell Police Department (LPD) technology team to reevaluate the strategy to incorporate a mesh style network. This network will eventually be replaced with a hybrid solution utilizing cellular, wireless point to point, and City I-NET direct wiring. The LPD will migrate to a new video management system, radio transmitters, and receivers

The LPD technology team, with assistance from LPD MIS and the city of Lowell computer network specialists researched various technologies and met with several vendors to determine a cost effective method to integrate existing infrastructure with a new and more manageable video network system. The LPD technology team also finalized the redundant video server specification(s) which proved to be a challenge due to the large volume of streaming video and wide spectrum of storage and retention requirements, ranging from 2 weeks to 3 years. The server(s) will be maintained at the Emergency Operations Center (EOC) computer network room (LPD headquarters). To ensure adherence to requirements for storing and saving videos, the data will be backed up at a secure, off-site location.

The LPD currently has cameras deployed in the following locations:

1. Bridge Street
2. Intersection of 3<sup>rd</sup> Street & Read Streets
3. Middle Street
4. Intersection of Gorham & Moore Streets
5. Intersection of Gorham & Olive Streets
6. North Common (north side)

As part of the citywide video expansion project, the following sites have been identified and will be installed in the summer:

1. Eagle Park,
2. McPherson Park (park & pool),
3. North Common,
4. South Common (park & pool),
5. Shedd Park,
6. Hunts Falls Bridge walkway,
7. First Street, and
8. Clemente Park.

Deployment of additional cameras will occur throughout the expansion project.