



BONET Connections for CIMS Boston Police

In 2007 due to the limited capability of BONET throughout the City of Boston. The CIMS Phase II Camera system was designed fully with wireless antenna technology. Now that the BONET infrastructure has blossomed to encompass a broader scope throughout the city. I recommend that the following existing CIMS wireless hub sites be integrated into the BONET infrastructure.

Mather School Dorchester

Currently this hub is connected to 35 Northampton Street and connects approximately 25 cameras in the North Dorchester / Dorchester Ave corridor. The distance of this backhaul is approximately 2 miles. This should be rerouted to the Parish St Boston Fire Department which is 400 feet away. This would be of a wireless link between the roof of the Mather and the Firehouse. Estimated Cost \$3000.

1875 Dorchester Ave -BHA

This hub serves Dorchester Ave South and connects approximately 10 cameras on Dorchester Ave and the Talbot Ave area. Currently this is connected to the Mather school via a wireless back haul and is only capable of supplying 14 megabits of throughput. This hub should be connected to the Boston Fire Department which is located at 1884 Dorchester Ave. This new link would span approximately 200 feet, and also play into the Cronin Park camera project that is being undertaken by City Hall.

Estimated Cost: \$3000

330 Bowdoin St -Dorchester

This wireless hub serves approximately 10 cameras within the Bowdoin St / Columbia Road area.

This currently linked to 35 Northampton St. The distance of this back haul is approximately 2 miles.

This should be rerouted to the Boston Police Hancock Street facility or to the Mather school and this would pass through the BFD Parish Street fire station (See above) total distance to either site is 2500 feet. Estimated Cost \$3000

Solomon Lewenberg School - Mattapan

This site serves approximately 15 cameras in the Mattapan/ Franklin Field / Codman Sq area. This is currently connected via a back haul to the Walnut Park BHA high rise located at 1990 Columbus Ave. This hub should be connected within the confines of the school that currently houses BONET. A network connection has to be run within the school from the existing CIMS equipment to the BONET equipment. Estimated cost \$2000

Walnut Park

This hub serves the Franklin Park zoo area – Blue Hill Ave / Seaver St / Columbus Ave. The current BPD radio room serves as the primary hub for existing CIMS equipment. BONET is currently connected on site as well. A network connection has to be run between the equipment. Estimated cost \$1000

City Hall

The existing cameras at State and Congress / Tremont and Cambridge and atop City Hall are currently connected through wireless antennas at the JFK Federal Building these should all be repathed to the roof of City Hall and connected to BONET. Estimated cost \$2000

The following recommendations would cut down on equipment outages, strengthen throughput, and negate costly backhaul repairs. The other benefit would increase the ability of gaining resolution to existing cameras.

The total price for the above mentioned recommendations would be \$12,000

Respectfully ,

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