

Proposal for Cathedral and Memorial Hall security and network improvements.

The Cathedral budget pays more than \$4,000 (tax in) annually to have a security company confirm that the Memorial hall is locked each night. They do NOT check the Cathedral doors. It is estimated that this service has cost the Cathedral more than \$50,000 over the years. It was decided that we should look at other options to achieve better results for less cost.

An automated door access control system would replace keys with electronic locks and fobs for access to both the Cathedral and Memorial Hall. Keyless fobs would be issued to all who had a need to gain access to the two buildings. For scheduled use times, the first person to arrive would unlock the door and it would remain unlocked for the scheduled period. The door would automatically lock again at the end of the configured schedule. For non-scheduled access the door would open for the person gaining access but remained locked. The entrance doors would be rekeyed one final time, but keys would not be issued. This solution would replace the need for a security company to check the doors.

The security company does not monitor the buildings and grounds, but it would be wise to have a monitoring system in place. Positioning cameras outside the Cathedral and Memorial Hall would monitor the grounds and various doors and windows. Three or four cameras would be strategically placed inside near the entrances. These cameras would record to a system that would be useful in case of vandalism or a break in. The inside cameras could be programmed to send alerts during non-use hours (say, between midnight and 7am).

The cost of these two solutions would be covered by slightly more than two years of the existing monitoring service. The return on investment may be further improved by potential reductions in insurance costs. Neither system requires ongoing fees.

These systems require computer network access and the current network is woefully out of date. This proposal includes the cost to upgrade the Cathedral and Hall network. It includes the components to provide better networking for office computers, backup power for the new phone system and the proposed security camera system so they would continue to operate during a power interruption. (The door access control system has backup power built in. Also included are improvements to the building WiFi network that many enjoy. Clearly during the pandemic, WiFi access is less critical, but it should all be upgraded together. Included in the equipment list is a door sensor for the South Cathedral door and a flood/water detector for the basement.

Base Network equipment	\$3,009.55
Security Cameras and required Networking	\$2,770.35
Door Access Control (2 Doors)	\$3,856.07
WiFi deployment (Hall and Cath)	\$1,561.70
Contingency	\$750.00
Tax-In Total	\$11,947.67

There is no labour costs included in this proposal beyond that of the door access control installation quote. I would propose that Cathedral volunteers can complete the work required to install cabling to the camera and door controller positions.

I would be happy to answer questions related to this proposal.

Peter Jacobs
February 24, 2021