

BUDGET COMMITTEE – MARCH 12, 2004

SURVEILLANCE EQUIPMENT AT COMMUNITY CENTRES

Recommendation

The Commissioner of Community Services, in consultation with the Director of Recreation and Culture and the Senior Manager of By Law Enforcement recommends:

That this report be received for information.

Purpose

The purpose of this report is to provide the Budget Committee with information regarding surveillance equipment at Community Centres.

Background - Analysis and Options

Council at its meeting of March 8, 2004, adopted Item 27, Committee of the Whole March 1, 2004, Report No. 25, Altercations at Community Centres and directed that staff provide a report at the Budget Committee meeting of March 12, 2004:

- 1) **“On the feasibility of purchasing surveillance cameras for Al Palladini Community Centre and Woodbridge Pool & Memorial Arena and include the costs associated with respect to purchasing this equipment to add to existing systems at the other community centres”;**
- 2) **“That staff investigate and reports on the feasibility of purchasing a wireless system that is portable for use at any community centre or other locations”;**
- 3) **“That staff provide a report on the costs associated with respect to purchasing additional 2-way radios/cell phones (“Mike” system); and”;**
- 4) **“That the confidential memorandum for the Commissioner of Legal and Administrative Services, dated March 8, 2004, be received.”**

In response to Council direction to provide the cost of purchasing surveillance equipment for the Al Palladini Community Centre and updating the community centres currently having existing systems and equipment, staff provides the following:

Al Palladini Community Centre

Proposal

It is recommended to add six cameras to cover surveillance at all entrances inside the community centre and corridor. Add six-day/night cameras surveillance covering all entrances and parking lots outside. In addition, to add two cameras to be mounted onto the N/W & S/W corner for coverage throughout front parking lot and add one DVR (digital video recorder).

Woodbridge Pool & Memorial Arena

Existing

Currently there are eight cameras surveillance covering parking lots (south, south west, north west), front entrance, lobby, hallway, elevators, change rooms, hallways, arena viewing, and the pool viewing.

Proposal

It is recommended to add one dedicated DVR (digital video recorder). This upgrade to a DVR will allow the video images to be stored in digital format that will provide for local and remote accessing of the system. In addition, the DVR is more reliable and is capable of accommodating more bandwidth and storing more data. The current system is an analog device, which only stores 7 days of video and does not give you the same flexibility as the DVR.

Dufferin Clark Community Centre

Existing

Currently there are sixteen cameras surveillance covering all entrances, corridors and east parking lot. All activity is currently being recorded locally to a dedicated DVR which is accessible through the City's LAN (Local Area Network).

Proposal

It is recommended to add a dedicated DVR (digital video recorder). This upgrade to a DVR will allow the video images to be stored in digital format that will provide for local and remote accessing of the system. In addition, the DVR is a more reliable and is capable of accommodating more bandwidth and storing more data. The current system is an analog device, which only stores 7 days of video and does not give you the same flexibility as the DVR. In addition to, add one zoom dome camera to the North East corner of parking lot to allow better coverage for front and north parking lot.

Garnet A. Williams Community Centre

Existing

Currently there are eight cameras covering surveillance towards main entrances, entrance to gym area, plus both indoor & outdoor skating areas, east parking lot, north parking lot, and inside entrance of the gym. All activity is currently being recorded by a JVC (7 day) Time Lapse Recorder.

Proposal

It is recommended to add a DVR (digital video recorder). This upgrade to a DVR will allow the video images to be stored in digital format that will provide for local and remote accessing of system. In addition, the DVR is more reliable, capable of accommodating more bandwidth and storing more data. The current system is an analog device, which only stores 7 days of video and does not give you the same flexibility as the DVR. In addition it is recommended to add two zoom dome cameras to the front parking & East parking lots.

Chancellor Community Centre

Existing

Currently the fourteen cameras are covering surveillance towards the playground, skating area, parking lot, entrances, main corridors and office. All activity is currently being recorded by a (7 days) time lapse VCR.

Proposal

It is recommended to add a dedicated DVR (digital video recorder). This upgrade to a DVR will allow the video images to be stored in digital format that will provide for local and remote accessing of the system. In addition, the DVR is more reliable, capable of accommodating more bandwidth and storing more data. The current system is an analog device, which only stores 7 days of video and does not give you the same flexibility as the DVR. In addition, to add one zoom dome camera to the north east corner of parking lot to allow better coverage for front and north parking lot.

Father Ermanno Community Centre

Existing

Currently there are ten cameras surveillance covering the main reception, rear entrance, gymnasium door, pool and fitness door, front door entrance, south corridor, north corridor and covering the two bocce court entrances, the east parking lot, the skating arena, and the front parking lot on the existing light posts.

Proposal

It is recommended to add one zoom camera to the north-west corner of the building to allow coverage surveillance towards the north west parking lot, and add one camera inside the bocce area.

Maple Community Centre

Existing

Currently there are five cameras covering surveillance towards the 1st floor reception, and hallway, 2nd floor main fitness lobby outside squash court and one in the hallway covering the change room floor. All activity is being recorded by a Sanyo Time Lapse Recorder.

Proposal

It is recommended to add a DVR (digital video recorder). This upgrade to a DVR will allow the video images to be stored in digital format that will provide for local and remote accessing of system. In addition, the DVR is a more reliable piece of equipment and is capable of accommodating more bandwidth and storing more data. In addition, add two dome cameras covering the east and south parking lots. Replace the existing dome camera with two rugged dome cameras in the hallways covering the change room entrance, because the existing cameras are being vandalized.

Glen Shields Activity Centre

Existing

Currently there are two cameras surveillance covering towards the skating area and park side. There are two satellite dishes at the Dufferin Clarke Community Centre receiving activity from Glen Shields.

Proposal

It is recommended to disconnect the remote wireless devices from Glen Shields to Dufferin Clark Community Centre. These wireless antennas at the time were implemented due to the fact that there were no high-speed connections available in that area and this was the only other alternative available to accommodate the requirements. Add one DVR (digital video recorder) and two rugged dome camera under the canopy; one for coverage of the park area and the

second to cover the main doors of the building. In addition, add one day/night low lux camera with housing on top of canopy to cover pathways and playground areas.

Rosemount Community Centre

It is recommended to add three cameras to cover surveillance at the entrance inside Rosemount Community Centre and corridor. Add two day/night cameras surveillance covering the main entrance and parking lot outside. These proposed cameras would be connected back to a DVR (Digital Video Recorder). This upgrade to a DVR will allow the video images to be stored in a digital format that will be provided for local and remote accessing of the system. All existing system/cameras that are installed throughout the entire facility will remain as is. This proposed system would be controlled and facilitated by the City of Vaughan personnel.

The total for implementing the surveillance systems and equipment as mentioned above would be at a cost of \$200,500.00 + GST, for a grand total cost of \$216,000.00.

In response to Council direction on the feasibility of purchasing a wireless system that is portable for use at any community centre or other locations. Staff recommends that the By-Law Enforcement minivan be used as a platform for the proposed wireless portable system.

It is recommended to add a Transvu DVR (Digital Video Recorder) specially designed for mobile surveillance and two mini colour cameras to be installed in the vehicle and connected back to the DVR (digital video recorder).

Note-able Features:

- Video storage can be accessed both locally and remotely
- GPS (Global Positioning System) information processing
- Video Motion Detection
- DVR (Digital Video Recorder) 80 Gb Hard Drive

The cost to purchase and install the portable, wireless system would be \$9,000.00 + GST.

Staff has also investigated the costs associated with respect to purchasing additional 2-way radios/cell phones ("Mike" system). Staff recommends that 2 "Mike" system cell phones be supplied at each of the following seven community centre locations; Al Palladini Community Centre, Chancellor Community Centre, Dufferin-Clarke Community Centre, Father Ermanno Bulfon Community Centre, Garnet A. Williams Community Centre, Maple Community Centre, Rosemount Community Centre; and 1 "Mike" system cell phone for the Woodbridge Pool & Memorial Arena. The Mike cell phones will be used to assist program staff during the evening and weekends to obtain assistance in emergency situations.

The implementation cost for the above is \$4,500.00 initially and an annual operating cost of \$7,200.00 for use of the "Mike" cell phone system, based on the basic service package.

Relationship to Vaughan Vision 2007

Service Delivery Excellence and review the level of enforcement, compliance and monitoring of regulations related to public safety is consistent with the surveillance equipment at community centres.

This report is consistent with the priorities previously set by Council. The necessary resources have not been allocated and approved.

Conclusion

The systems currently available and being proposed are both user friendly and offers increased flexibility. Cameras can now swing 360 degrees, pan, tilt, and zoom much more quickly than before. The system can relay feed from 16 different cameras into one monitoring screen, increasing the efficiency of the security guard monitoring a number of different areas. The system also allows the security guard to select which cameras to monitor at a given moment and enlarge the images of those cameras.

Reporting has also been improved from the basic VCR format. The use of digital video recorders (DVR) rather than videotapes makes it much easier to play back and find an incident.

Surveillance systems will never fully replace security officers or the need for Police patrol. It will however, increase the effectiveness of the current on-duty security guards and /or staff. The use of cameras have proven to be an effective deterrent against criminal behavior, and a protection of City assets.

In keeping with Vaughan Vision 2007, in addition to using surveillance cameras, staff will continue to review all options including architectural, and CPTED (Crime Prevention Through Environmental Design) alternatives to provide public safety.

Attachments

None

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Respectfully submitted,

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