



The Corporation of the City of Cornwall
Regular Meeting of Council
Report

Department: Planning, Development and Recreation
Division: Parks and Recreation
Report Number: 2020-391-Planning, Development and Recreation
Prepared By: James Fawthrop, Division Manager
Meeting Date: November 9, 2020
Subject: Lamoureux Park Decorative Lighting and Winter Activities

Purpose

To provide Council information on a proposal to install decorative lighting in Lamoureux Park.

Recommendation

That Council receive Report 2020-391-PDR and direct Administration to proceed with the following items in the short term:

- a. \$15,000 seasonal installation of decorative string lights on and around the clock tower to celebrate the 2020 Christmas season
- b. the establishment of a toboggan hill for the 2021 winter season at the splashpad for an estimated cost of \$5,000
- c. the immediate installation of an insulated ceiling in the splashpad washroom so that the washroom can remain open for the 2021 winter season for an estimated cost of \$25,000
- d. the clearing of snow for the 2021 winter season from the lit portions of the multi-use path network in Lamoureux Park for an estimated cost of \$15,000

Financial Implications

The estimated cost implications for various lighting options are contained within the body of the report. There are no funds contained within the 2020 Budget to support any of the items identified in this report, although there may be funding opportunities through COVID relief funding programs or through joint partnerships with local service clubs.

Strategic Priority Implications

Council's Strategic Priorities for 2019-2022 identify sports and recreation opportunities as the second item under the "Developing waterfront through ownership, partnerships for business, recreational opportunities" initiative.

Background / Discussion

Lamoureux Park Decorative Light Display

A new business motion was passed at the regular meeting of Council on Monday October 26th, 2020, which requested a report on the feasibility of creating a synchronized walking light and music display in Lamoureux Park similar to Brockville's River of Lights display. It was requested that the report be provided in time to take advantage of the upcoming Christmas season. An amendment to the motion was passed which included a request for a temporary lighting option if it is determined that a more significant light and music display is deemed to not be feasible in time for the 2020 Christmas season.

Administration has contacted Ford Electric, the electrical contractor who was responsible for the planning and installation of Brockville's River of Lights as well as the lighting installation at the Brockville railway tunnel.

The following table summarizes the estimated initial project costs for a seasonal synchronized walking light and music display in Lamoureux Park similar to Brockville's River of Lights:

	Cost
Purchase of Decorative Lights	\$50,000
Decorative Light Installation	\$25,000
Decorative Light Removal	\$25,000
Sound System and Controller	\$50,000
Total Initial Cost	\$200,000



The ongoing annual costs to erect a seasonal synchronized light and music display are described in the following table:

	Cost
Purchase of Replacement Lights	\$12,500
Installation of Lights	\$25,000
Removal of Lights	\$25,000
Controller Programming	\$8,000
Total Ongoing Annual Cost	\$62,500

At the regular meeting of Council of November 25, 2019, a motion was passed by Council directing Administration to prepare a report for the 2020 budget process on the cost of re-implementing the Canada 150 lighting display in Lamoureux Park on a permanent basis. The attached capital project sheet was subsequently presented to Council on February 4, 2020, as part of the 2020 Municipal Budget deliberations.

During the Canada 150 lighting display in 2017, the Electrical Safety Authority (ESA) advised that the display was permitted on a temporary basis only and eventually ordered the lighting display to be taken down due to the use of extension cords supplying power to the decorative lights. In order to be approved as a permanent installation, the electrical power supply must be fed from a permanent electrical utility (ie. buried underground or overhead electrical service), and all electrical receptacles and decorative light strings must be elevated beyond the reach of the public.

The following table summarizes the cost to install the required electrical servicing throughout Lamoureux Park to supply electricity to a permanent lighting display:

	Quantity	Unit Rate	Cost
Underground Electrical Supply	800m	\$125	\$100,000
Park Reinstatement	1	\$25,000	\$25,000
Bikepath Reinstatement	1	\$10,000	\$10,000
Total			\$135,000

Due to the difficulties and challenges of maintaining strings of decorative lights within park trees on a permanent basis, Administration recommends the use of coloured flood lights as a permanent alternative for decorative lighting. Coloured flood lights have recently been used at the NAV Centre to highlight significant landmarks (plane and stone house) located on the grounds.

The following are some photos of the coloured flood lights at NavCan:



Currently there are flood lights in Lamoureux Park at the clock tower that are in poor condition and warrant replacement. Also, the existing flood lights at the clock tower do not have the ability to change colour. The City often receives requests from various organizations to change the colour of the clock tower flood lights to recognize various charitable causes (ie. diabetes awareness month, childhood cancer month, etc.)

Administration recommends a phased approach using flood lights to highlight landmarks within Lamoureux Park. Phase 1 would include replacing the existing flood lights at the clock tower using LED flood lights capable of changing colours. Subsequent phases could include installation of coloured LED flood lights around the Cornwall Community Museum, the RCAF Wing, and the remaining bridge pillar.

The following table summarizes the cost to install coloured LED flood lights around the clock tower:

	Quantity	Unit Rate	Cost
Coloured LED Flood Lights	4	\$8,000	\$24,000
Underground Electrical Supply	65m	\$125	\$8,125
Reinstatement	1	\$10,000	\$10,000
Total			\$42,125

Temporary Light Display for Christmas Season

Based on the discussion with Ford Electric, it was determined that there is insufficient time to plan, design, purchase, and install a synchronized light and music display in Lamoureux Park similar to Brockville's River of Lights in time for the 2020 Christmas season.

As an alternative option, Administration recommends a budget of \$15,000 for the purchase and installation of strings of decorative lights to be used on a temporary basis on and around the Lamoureux Park clock tower to celebrate the 2020 Christmas season.

Lamoureux Park Multi-Use Path Lighting

A common criticism received by Administration regarding Lamoureux Park is that the park lighting is inadequate. The multi-use paths located within the east half of Lamoureux Park are lit with decorative lantern style light standards as shown in the following photo:



The existing light standard fixtures are such that the light levels emitted are not bright enough to provide adequate light levels to ensure residents feel comfortable and safe within the park after dusk. With the recent advancements in LED technology, Administration recommends that the existing light standard fixtures be replaced with new fixtures designed to cast appropriate light levels, which would encourage residents to take advantage of the multi-use paths after dark. Also, Administration recommends future consideration of phased expansions of the multi-use path lighting network to include sections of the paths located within the west half of Lamoureux Park, particularly along the Waterfront Trail.

The following map describes potential future phased expansion of the multi-use path lighting:



The following table summarizes the estimated costs for the replacement of existing light standard fixtures and for phased expansion of the multi-use path lighting in Lamoureux Park:

	Quantity	Unit Rate	Cost
Upgrade Existing Lighting			
Replacement Light Fixtures	45	\$650	\$29,250
Subtotal			\$29,250
Expand Lighting Network Around Museum			
Underground Electrical Supply	470m	\$125	\$58,750
New Light Standards	27	\$2,000	\$54,000
Subtotal			\$112,750
Expand Lighting Network Along Waterfront Trail to Boat Launch			
Underground Electrical Supply	450m	\$125	\$56,250
New Light Standards	26	\$2,000	\$52,000
Subtotal			\$108,250
Total			\$250,250

Lamoureux Park Outdoor Activities

During Council deliberations of the new business motion at the October 25th meeting of Council, a Councillor requested that the report also include information on the feasibility of establishing a toboggan hill in Lamoureux Park near the splashpad.

Based on the costs incurred during the Canada 150 celebrations, Administration estimates the costs to establish the toboggan hill to be \$5000. This estimate includes the supply and installation of straw bales to act as protective barriers around trees and act as a backstop at the bottom of the hill, and for the removal of straw bales in the spring and reinstatement of damaged turf.

Should Council decide to instruct Administration to proceed with establishing the toboggan hill, Administration recommends improvements to the splashpad washroom such that the building can remain open throughout the winter season. The splashpad washroom was originally designed to operate for three seasons only. For the Canada 150 celebration, heat was added to the building to allow the washroom to remain open through the winter, however due to the building's original three season design, there were issues with heat escaping through the roof of the building causing a significant accumulation of ice on the roof and icicles around the eaves, which posed a health and safety hazard to the public. If the splashpad washroom were to be considered for year-round use, it is recommended to install an insulated ceiling within the building for an estimated cost of \$25,000.

Another suggested outdoor winter activity would include walking along the lit portions of the multi-use path network in Lamoureux Park. In order to facilitate this activity, snow clearing of these portions of the trail network is required. The cost to provide the winter clearing services is estimated to be approximately \$15,000.

Lastly, Administration is currently considering the feasibility of establishing an outdoor skating rink in Lamoureux park for the 2021 winter season. However the likelihood will be dependent upon finding a suitable location, with access to an adequate water supply, washrooms and change room facilities. Administration will continue to investigate this possibility. The establishment of outdoor rinks are also dependent upon favourable weather conditions during the 2021 winter season.

Document Title:	Lamoureux Park Decorative Lighting - 2020-391-PDR.docx
Attachments:	- Lamoureux Park Lighting.pdf
Final Approval Date:	Nov 4, 2020

This report and all of its attachments were approved and signed as outlined below:

Mark A. Boileau - Nov 4, 2020 - 3:52 PM

Maureen Adams - Nov 4, 2020 - 6:29 PM