

**Committee:** Committee of the Whole Administration & Finance

**Date:** July 11, 2022

**Department:** Operations

**Topic:** Request for street lights along Charlotte St. Johnstown

**Purpose:** To determine the feasibility and cost of installing street lights along Charlotte St. in Johnstown.

**Background:** Several inquiries have been made by a Township resident in regard to the possibility of having street lights installed along Charlotte St. in Johnstown. Staff were directed to look into the feasibility and cost to undertake this project. Staff attended the site and the following observations were made:

- There are seven poles located on west side of Charlotte Street from Civic # 42 to 68.
- The poles are all located on the back edge, (property line), of the road allowance.
- The distance of the poles on the west side from the edge of the road varies from 5.0m, (16.5 ft), to 5.5m, (18 ft).
- The distance between poles averages approximately 70m, (230 ft).
- Four poles are located on the east side of the street at across from Civic #42, Civic #57, Civic #61 and Civic #67, (see Map).  
These poles are smaller and utilized to support lines from the grid to the individual homes or as opposing pole support. The smaller poles may need to be replaced to support street light hardware and clear the existing wires should they be selected for light installation. The distance between the poles on the east side is approximately 200m, (656 ft).
- The east side poles average approximately 5.0m from the road edge with the exception of Civic #67 which is 3.6m off the edge of the road.

Lighting units are typically mounted 9.1m, (30 ft), above the road. The conical focal diameter of the emitted light is typically 4m, (13.1 ft). Mounting arms for the lights are typically 3m, (10.1 ft), in length but 5m, (16.5 ft), lengths are available at additional cost.

Street lights are typically mounted along higher traveled streets in urban areas to illuminate the roadway, increase traffic visibility and safety. In rural/urban areas, lights are typically installed to illuminate road intersections. Poles are installed closer to the

road in urban areas whereas in rural areas, poles tend to be further from the road. Given the distances the poles along Charlotte St. are from the edge of the road and the length of the east side poles, none appear to be well suited for light installation due to condition, height or distance from the edge of the road. If lights are not installed properly, blind spots beyond the cone of illumination may result creating a hazard. Should Council decide to proceed with new lights, new poles may be required to install lights correctly.

**Policy Implications:** In 2013, the selection of new streetlight locations was delegated to staff based on the principle of improving public safety on urban streets and at rural road intersections beginning in 2014. The understanding at the time was that members of council would provide staff with suggested installation locations based on taxpayer inquiries and/or personal experience.

**Financial Considerations:** The 2022 budget for new streetlights is \$7000.00

High end cost estimates per light installation excluding non-rebated HST:

Bracket, fixture and ESA permit - \$1,500.00 to \$2,000.00 (3m arm)  
New pole - \$5,000.00

**Total** - **\$6,500.00 - \$7,000.00 / Light**

**Recommendation:** That Committee recommends that Council remain status quo in regard to the lighting on Charlotte St. in 2022 and; direct staff to further plan and budget to install lights in 2023.



Director of Operations



CAO