



To: Council
From: Ross Gellately, Director of Public Works
Date of Meeting: June 22, 2022
Subject: 2022 Capital Streetlights

Recommendation:

That Council instruct staff to proceed with the installation of new streetlights as follows: Raymond Road at County Road 12 (x1), Manning Road at Parkway Estates (x2), and Willbruck Drive, Ault Island (x2) or until Transportation Capital Budget for streetlights of \$15,000 is expended.

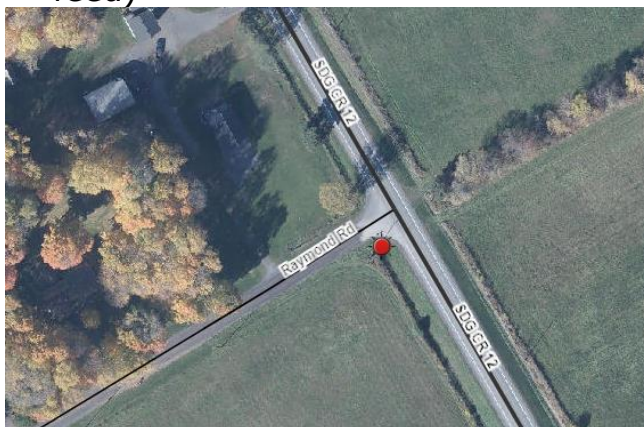
Executive Summary:

The 2022 Transportation Services Capital Budget included \$15,000 for the installation of new streetlights.

Typically, new streetlights are added to the streetlight network on an “as requested basis” with written requests received by residents. Recommendations are proposed by staff based on current conditions, vehicular and pedestrian traffic patterns noted.

Having reviewed the requests staff is recommending the following streetlights be added in 2022:

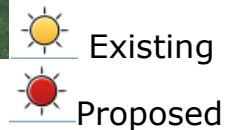
1. Intersection of Raymond Road at County Road 12 (Newington) (1 new streetlight required)
 - Dark intersection on County Road 12
 - Previous requests have been granted for similar requests based on similar risk (Cooper Road 2019)
 - Estimated cost \$6,000 (requires transformer and new secondary feed)



 Proposed

2. Manning Road at Parkway Estates (David and Dale Streets) (X2 streetlights)

- Increased pedestrian traffic as sub-divisions fill in. (Parkway Estates and Roy sub-division on Manning)
- Start at existing lights and next poles west
- Existing poles available for connection
- Estimated costs \$3,500 each, total \$7,000 (transformers currently in place, new secondary feed required for both)



3. Willbruck Drive – Ault Island (x2)

- Vehicular conflict with deer/ dark roadway for pedestrians
- Multiple eligible locations on existing poles
- Estimated Costs \$3,500 each, total \$7,000 (transformers currently in place, new secondary feed required for both)
- Locations to be determined

The intent is to install streetlights as prioritized above until budget (\$15,000) is expended.

Background:

For 2022 multiple requests have been received including:

- Intersection of Raymond Road at County Road 12 (Newington) (1 new light required)
 - Residents request - Vehicular conflict at dark County Road intersection
- Manning Road in the area of Parkway Estates and Roy sub-division. (3-4 new lights required)

- Residents request - Increased pedestrian/child traffic due to development.
- Willbruck Drive, Ault Island (5-6 new lights required)
 - Residents request – roadway dark for pedestrians/deer conflicts with vehicles
- County Road 36, from Mille Roches Road east to Matthew Kieran Crescent (12+ new streetlights required)
 - Residents request – Increased pedestrian/child traffic due to development
 - Request also for sidewalk/multi-use path be installed
 - SDG Counties completing Road Rationalization review in 2022, potential for transfer to Township
- Total new lights requested 20+.

Costs for supply and installation of new streetlights, with 12’ arm (typical installation) is approximately \$3,500 per location plus Hydro One costs, with \$15,000 budgeted in 2022 this provides for up to 4 new streetlights to be installed.

The Township’s recently updated Site Plan and Subdivision Design Guidelines indicates the “street lighting system shall be accordance with the latest editions of the following documents:

- Transportation Association of Canada’s (TAC) Guide for the Design of Roadway lighting,
- Electrical Safety Authority’s (ESA) Guidelines for the Design, Installation, Operation and Maintenance of Street Lighting Assets, Ontario Provincial Standard Drawings Volume 4 – Electrical Work and,
- The Ontario Electrical Safety Code.”

That said these requirements are for new development but must be considered. Meeting these requirements will be a challenge based on logistics and budget.

Further, the terms of reference for the current RFP for Engineering and Planning Development(closing June 28th) includes a review of current streetlight layouts in the existing networks in Long Sault and Ingleside, hopefully identifying gaps in service to meet current standards and liability issues. This report will provide better description of where streetlights should be considered in the urban areas to promote safer active transportation networks.

It is proposed County Road 36 (Post Road) streetlights and sidewalk requests be deferred until SDG County’s Road Rationalization and Townships current infrastructure reviews are completed.

Alignment with Community Strategic Plan:

Goal 2: Sustainable Infrastructure

Objective 2.3: Multimodal Services

Risk and Asset Management Considerations:

Added streetlights will be incorporated into the Asset Management Plan in coming phases. It is necessary to continue to review streetlight placement based on safety criteria and established provisions.

Options:

1. That Council proceed with streetlights at Raymond Road, Manning Road and Wilbruck Drive.
 2. That Council approve alternate locations for streetlights.
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Financial Impact:

Budget of \$15,000 included in the current Transportation Budget is inadequate to cover all requests received.

Additional Capital Budget will need to be added in 2023 to provide for requests currently received and others which may be received moving forward.

Others Consulted:

Residents