

Highway 2A - Toronto Hydro Street Lighting Assessment

Date: September 23, 2021

To: Scarborough Community Council

From: Acting Director, Traffic Management, Transportation Services

Wards: Ward 25 - Scarborough-Rouge Park

SUMMARY

At its meeting on June 25, 2021, Scarborough Community Council requested Transportation Services to report back on the Highway 2A - Toronto Hydro street lighting assessment. This report provides a summary of Toronto Hydro's lighting assessment and the recommended options for street lighting on Highway 2A.

RECOMMENDATIONS

The Acting Director, Traffic Management, Transportation Services recommends that:

1. Scarborough Community Council receive this report for information.

FINANCIAL IMPACT

The financial impact for the design, construction, and maintenance of lighting infrastructure along the Highway 2A corridor is estimated to be from \$850,000 to \$1,800,000. Funding for design and partial construction will be included for consideration as part of the 2022 Operating Budget submission for Transportation Services. Funding for the remaining construction and maintenance costs will be included for consideration in the 2023 Operating Budget submission for Transportation Services.

DECISION HISTORY

At its meeting of June 25, 2021, Scarborough Community Council adopted Item SC25.26 entitled "Safety Improvements and Sound Mitigation on Highway 2A" and in so doing, requested staff to report back on the on the Highway 2A - Toronto Hydro Street Lighting Assessment in Fall of 2021., The Committee decision can be found at: <http://app.toronto.ca/tmmis/viewAgendaItemHistory.do?item=2021.SC25.26>

COMMENTS

Transportation Services staff requested Toronto Hydro to perform a lighting assessment of the Highway 2A corridor. This corridor is 2.9 km long with a speed limit of 80 km/h and is part of Toronto's municipal expressway system. The limit of the study is from where Highway 2A merges into Kingston Road to Port Union Road. This corridor falls within the Toronto Region Conservation Authority's (TRCA's) environment sensitive areas. Toronto Hydro has used a third party consulting company, "NMB Engineering" to complete the lighting assessment for Highway 2A. Based on the assessment three (3) possible lighting options have been proposed which are described below.

Option 1 – High Mast Poles with Lighting Assemblies

The preliminary cost estimate for this option is \$1,800,000 which includes an installation of twelve (12) High Mast poles with lighting assemblies in central reservation, eight (8) poles with single lights along Lawson Road and four (4) Wallpak lights for the Highland Creek Underpass.

Option 2 – Aluminum Poles with Double Light Assemblies

The preliminary cost estimate for this option is \$850,000 which includes an installation of thirty eight (38) poles with double lights assemblies in central reservation, eight (8) poles with single lights along Lawson Road and four (4) Wallpak lights for Highland Creek Underpass.

Option 3 – Aluminum Poles with Single Light Assemblies

The preliminary cost estimate for this option is \$1,250,000 which includes an installation of sixty four (64) poles with single light assemblies on both sides of Highway 2A, eight (8) poles with single lights along Lawson Road and four (4) Wallpak lights for Highland Creek Underpass.

Transportation Services will engage with Toronto Hydro to further review and select the best possible option for the design and installation of street lights along the Highway 2A corridor. Staff expect to select a preferred option in the first quarter of 2022 as Transportation Services and Toronto Hydro staff will first need to consider all of the challenges, risks, benefits and costs associated with each option. Once the option is selected, the street lighting design and a detailed cost estimate will need to be completed by Toronto Hydro to obtain a more accurate cost for this project.

CONTACT

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SIGNATURE

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