




CITY OF HAMILTON
PUBLIC WORKS DEPARTMENT
Engineering Services Division

TO:	Chair and Members Public Works Committee
COMMITTEE DATE:	August 10, 2022
SUBJECT/REPORT NO:	Capital Projects to Facilitate Light Rail Transit (LRT) (PW22073) (Wards 1, 2 and 3)
WARD(S) AFFECTED:	Wards 1, 2, 3
PREPARED BY:	Susan Jacob (905) 546-2424 Ext. 2621
SUBMITTED BY:	Susan Jacob, Acting Director Engineering Services Public Works Department
SIGNATURE:	

RECOMMENDATION

- (a) That funding for geotechnical investigations, design assignments, and subsurface utility investigation in the amount of \$550,000 in advance of the 2023 proposed project for Wilson – Victoria to Sherman (4032319109) be approved and that this increase be funded by the following transfers:
- i) A capital budget appropriation of previously approved levy revenue of \$300,000 from the Wilson - Victoria to Sherman Two-Way Conversion project (#4662020012);
 - ii) An additional \$250,000 from the Unallocated Levy Reserve 108020.

EXECUTIVE SUMMARY

Wilson Street from Victoria Avenue North to Sherman Avenue North, Cannon Street West from James Street North to Queen Street North and York Boulevard from Dundurn Street North to Caroline Street North require rehabilitation and/or reconstruction and sewer and watermain upgrades to extend their service life and improve performance prior to construction of the proposed new Light Rail Transit (LRT).

Cannon Street and York Boulevard were previously programmed for construction in 2019 but was deferred to 2023 in the Capital Projects Plan following the pause in the

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LRT works. Wilson Street was previously programmed for two-way conversion in 2023 and road and water reconstruction in 2026.

With recommencement of the LRT project, staff recommend that the construction works on the above parallel routes be completed by Fall 2024 to facilitate construction along LRT corridor. These projects will be added to the 2023 Capital Budget for Council approval. However, there is an immediate need for funds to commence the required initial geotechnical investigations, design assignments, and subsurface utility investigations this year so that the project can be designed and ready for tender for construction after the 2023 Capital budgets are approved.

Costs for Cannon Street and York Boulevard project will be utilizing the preapproval funds.

Staff recommend Council approve \$550,000 for procuring consultant services for design services, geotechnical and other investigations as necessary for Wilson Street: Victoria to Sherman road reconstruction, traffic two-way conversion and watermain replacement and sewer lateral replacement works.

Alternatives for Consideration – See Page 3

FINANCIAL – STAFFING – LEGAL IMPLICATIONS

Financial: The total required for geotechnical investigations, design assignments, and subsurface utility investigation for Wilson Street – Victoria to Sherman is \$550,000. These costs can be funded by an appropriation transfer of previously approved levy revenue of \$300,000 from the Wilson - Victoria to Sherman Two-Way Conversion project (#4662020012) and a transfer of \$250,000 from the Unallocated Levy Reserve 108020. Funding for the Two-Way Conversion of Wilson – Victoria to Sherman originally budgeted in project ID 4662020012 noted above has now been incorporated in the proposed 2023 road project and therefore the WIP funding of \$300,000 being requested as a transfer is surplus.

Staffing: None

Legal: None

HISTORICAL BACKGROUND

The City initiated Capital project Wilson Street - Victoria Avenue to Sherman Avenue involves the conversion of the road to two-way operation. The project Wilson Street - Victoria Avenue to Wentworth Avenue North involves road resurfacing, minor concrete

repairs and traffic signal works. The project Wilson Street - Wentworth Avenue North to Sherman Avenue North involves road and sidewalk reconstruction, sewer construction, distribution and trunk watermain and sewer lateral replacement. The two-way conversion was programmed to be in 2023 and the road and watermain construction was to be in 2026. Efficiencies can be achieved by tendering both projects together in 2023 ahead of construction along LRT corridor to minimize disruption to the City's watermain and transportation networks.

Cannon St: James to Queen and York Boulevard: Queen to Dundurn (West Bound) and York Boulevard-Dundurn to Caroline (East Bound) is a City initiated project which was programmed for 2019 implementation. Due to the cancellation of LRT, the project was delayed for implementation in 2023. The road rehabilitation and trunk watermain construction from Locke Street to Caroline will be tendered for construction in 2023/2024

Both these City initiated Capital Projects are required to be completed before the construction on LRT corridor to avoid traffic congestion.

POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS

None

RELEVANT CONSULTATION

Staff in the LRT Office (Planning & Economic Development), Transportation Operations & Maintenance and Hamilton Water (Public Works) were consulted and in agreement with this report.

ANALYSIS AND RATIONALE FOR RECOMMENDATION

The Departments of Public Works, Engineering Services Division has provided funding requirements and funding source recommendations to initiate geotechnical investigations, Roster Consultant Design assignments and Subsurface Utility Engineering works (See Appendix "A" to Report PW22073).

ALTERNATIVES FOR CONSIDERATION

An alternative is to defer the provision of the required funding to the 2023 Capital Budget process. In this case, the initiation of design and data gathering activities in the projects will be delayed.

This may result in an inability to construct the projects in advance of the major LRT construction led by Metrolinx and increases risks associated with maintaining the

current level of service in the City's watermain network.

This may further result in the construction of the Wilson Street project being concurrent with the major LRT construction led by Metrolinx and cause delay to the conversion of the road to two-way operation.

Financial: Inflationary increases in construction costs could be experienced as well as increased roadway maintenance costs due to the condition of the pavements.

Legal: None

Staffing: None

ALIGNMENT TO THE 2016 – 2025 STRATEGIC PLAN

Economic Prosperity and Growth

Hamilton has a prosperous and diverse local economy where people have opportunities to grow and develop.

Built Environment and Infrastructure

Hamilton is supported by state-of-the-art infrastructure, transportation options, buildings and public spaces that create a dynamic City.

APPENDICES AND SCHEDULES ATTACHED

Appendix "A" to Report PW22073 - Location Map