



**City of Kingston
Report to Council
Report Number 24-113**

To: Mayor and Members of Council
From: Brad Joyce, Commissioner, Infrastructure, Transportation & Emergency Services
Resource Staff: Ian Semple, Director, Transportation & Transit
Date of Meeting: April 2, 2024
Subject: Approval of Emergency Vehicle Pre-Emption Equipment

Council Strategic Plan Alignment:

Theme: Regulatory & compliance

Goal: See above

Executive Summary:

The City has initiated the design and reconstruction of the Gardiners Road and Centennial Drive/Creekford Road intersection, with construction expected to begin in Q2 2024. As part of this work, the City will install emergency vehicle pre-emption equipment which allows emergency vehicles to navigate intersections more effectively, ensuring faster and safer response times.

As the signals are owned and operated by the Ministry of Transportation (MTO), a Council resolution to approve the installation of this pre-emption equipment is required.

Recommendation:

That Council approve the installation of emergency vehicle pre-emption equipment at the intersection of Gardiners Road and Centennial Drive/Creekford Road intersection.

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Authorizing Signatures:

ORIGINAL SIGNED BY COMMISSIONER

**Brad Joyce, Commissioner,
Infrastructure, Transportation &
Emergency Services**

ORIGINAL SIGNED BY CHIEF

ADMINISTRATIVE OFFICER

**Lanie Hurdle, Chief
Administrative Officer**

Consultation with the following Members of the Corporate Management Team:

Paige Agnew, Commissioner, Growth & Development Services	Not required
Jennifer Campbell, Commissioner, Community Services	Not required
Neil Carbone, Commissioner, Corporate Services	Not required
David Fell, President & CEO, Utilities Kingston	Not required
Peter Huigenbos, Commissioner, Major Projects & Strategic Initiatives	Not required
Desirée Kennedy, Chief Financial Officer & City Treasurer	Not required

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Options/Discussion:**Background**

The City is undertaking the design and reconstruction of the Gardiners Road and Centennial Drive/Creekford Road intersection. The Ministry of Transportation (MTO) owns, operates, and maintains the assets located at the intersection.

The project includes installation of new traffic signals and the City has included emergency vehicle pre-emption equipment in the design to improve connectivity for priority service along Gardiners Road. Emergency vehicle pre-emption devices enable emergency response vehicles to navigate congested intersections effectively and safely, to get first responders on the scene faster and safer. Pre-emption interrupts the normal traffic signal operations to transfer right-of-way to the direction of an approaching emergency vehicle. This is standard equipment that is already in use at various intersection locations across the city.

Analysis

Design for the Gardiners Road and Centennial Drive/Creekford Road intersection and project area improvements are anticipated to start in Q2 of 2024. Most of the construction is anticipated to be completed by the end of 2024, with the possibility of carryover into 2025, and includes scope to install emergency pre-emption equipment at the location.

As the traffic signals are a Ministry-owned asset, MTO has requested Council approval of the installation of this equipment. The City will be responsible for the installation cost, operation, and maintenance of the equipment.

Financial Considerations

The cost to install the equipment at the intersection is estimated to be approximately \$6,000 and includes temporary and permanent installation of the equipment. The necessary funds are budgeted within the capital budget associated with construction of the intersection improvements. Maintenance costs would be similar to those already apportioned for maintaining similar devices throughout the city.

Contacts:

Ian Semple, Director, Transportation & Transit Services, 613-546-4291 extension 2306

Other City of Kingston Staff Consulted:

Mark Dickson, Project Manager, Transportation Services

Exhibits Attached:

None