



Report to Council

To: Mayor and Council File No:5210-01
Date: May 26, 2025
From: Kendra Kryszak, Manager, Parks and Public Spaces
Subject: Robotic Sports Field Line Painter Purchase

Purpose: To request Council approval for the purchase of a robotic sports field line painting machine.

Recommendation:

THAT Council approve the purchase of a robotic sports field line painter at a cost not to exceed \$75,000 to be funded from the Prior Year Unexpended Uncommitted Balance.

Background:

a. Rationale:

1. Administration currently conducts sports field line painting using ride-on equipment, which can be time-consuming, labour intensive and inconsistent. With an increasing number of sports grounds requesting regular maintenance, and the need for clean and precise line markings for the community and competitive sports use, an upgrade to modern equipment would increase service levels.
2. Modern self driving, robotic sports field line marking machines use GPS technology and programmable templates enabling accurate, consistent layouts for a wide range of sports (ie: soccer, rugby, cricket).
3. A robotic sports field line painter will:
 - Reduce the time and labour required when marking sports fields, allowing for other park tasks to be completed.
 - Improve line precision and visual quality for sport use.
 - Support timely and consistent preparation of fields for multiple sporting codes.
 - Minimize repetitive manual work.
4. Should Council approve the purchase of a robotic line painter, the existing ride-on line painting equipment will be retained as a backup. It will be used in the event of a breakdown of the robotic system or when additional resources are needed to meet scheduling demands.

b. Relevant Policy/Bylaw/Resolutions/Legislative Authority:

N/A

c. Council's Strategic Plan Alignment:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Governance & Organizational Excellence | <input type="checkbox"/> Livability |
| <input checked="" type="checkbox"/> Recreation, Parks & Natural Areas | <input type="checkbox"/> Vibrancy |
| <input type="checkbox"/> Environmental Leadership | <input type="checkbox"/> Not Applicable |

d. Committee Recommendations:

N/A

Financial Implications:

A cost benefit analysis indicates a return on investment within 4 years with a reduction of labour hours, and more efficient use of paint. The estimated savings will be reallocated to improve parks services.

The purchase of the Robotic Sports Field Line Painter is estimated at \$75,000 and could be funded from the Prior Year Unexpended Uncommitted Balance, which has \$3,843,342 in current available funding.

Alternatives & Implications:

If Council chooses not to fund the Robotic Sports Field Painter, the Parks Department would continue painting fields using the existing ride on equipment and no efficiencies and improvements would be realized.

Communication:

N/A

Attachments:

N/A

Reviewed by: Chris Ovens, General Manager, Public Works Operations

Reviewed by: Elma Hamming, Director, Financial Services

Reviewed by: James Rice, Director, Operations

Reviewed by: Kevin Poole, Director, Corporate Administration

Approved by: Peter Weeber, Chief Administrative Officer