

## Section II – Items for Executive Action

**TO:** Chair and Members of the Executive Committee  
Meeting #1/19, Friday, February 08, 2019

**FROM:** Derek Edwards, Director, Parks and Culture

**RE:** **INSTALLATION OF AUTOMATIC GATE ENTRY SYSTEMS**  
Heart Lake and Petticoat Creek Conservation Areas

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### KEY ISSUE

Award of Contract #10008808 for the Installation of Automatic Gate Entry Systems at Heart Lake and Petticoat Creek Conservation Areas.

### RECOMMENDATION

**THAT Contract #10008808 for the Installation of Automatic Gate Entry Systems at Heart Lake and Petticoat Creek Conservation Areas be awarded to Hawkins Contracting Services Ltd. at a total cost not to exceed \$123,863, plus 20% contingency, plus HST, it being the lowest bid compliant with TRCA specifications.**

### BACKGROUND

Petticoat Creek Conservation Area (CA) and Heart Lake CA see over 130,000 and 180,000 visitors respectively each year. The front gates at both parks are staffed by attendants during peak operating hours in order to provide customer service and process payment upon entry. The existing entry and exit points to the parks do not have any means of traffic control, making it difficult for staff to enforce traffic flow, and to discourage vehicles using the exit gate as an entry point. Staff also lack the ability to close the exit as may be required by police services during emergencies, such as a missing child. In addition, incidents involving threats and injuries sustained by staff from the public running through the entry points to avoid paying entry fees have increased over the past year. These incidents are a serious concern to the health and safety of staff and visitors that must be addressed.

To address these concerns, staff is proceeding with the implementation of an automatic entry and exit gate system in order to: (1) create a greater level of controlled access and exit points; (2) reduce the risk of physical harm to staff and the public; and (3) ensure that each car comes to a complete stop upon entering and exiting the park. Furthermore, the gate system being installed will have the ability to be integrated with known automatic payment software system that can be installed upon availability of funding.

Staff conducted an assessment of all Parks and Culture managed facilities to determine the need and urgency for automatic gate systems and prioritized this assessment against available annual budgets. The results are as follows:

- Black Creek Pioneer Village and Bruce's Mill CA already have systems in place;
- Petticoat Creek CA and Heart Lake CA have the highest need for a system due to the aforementioned traffic control issues, and health and safety risks;
- Albion Hills CA, Claireville CA, Indian Line Campground and Boyd CA currently see less incidents involving threats and injuries, however, they will also require automatic gate systems upon funding availability to better control access and exit points, enforce traffic flow, and be integrated with an automatic payment software system;
- Glen Rouge Campground will be undergoing an extensive redevelopment plan with Parks Canada for Rouge Park and access control is one of the projects that needs to be

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- addressed as part of this redevelopment; and
- Glen Haffy CA is the lowest priority due to limited traffic volumes and no health and safety incidents recorded to date. As such, TRCA is not planning to install an automatic gate system at this time.

In 2018, TRCA retained the services of landscape architecture firm Harrington McAvan Ltd. and electrical engineering firm MJS Consultants Inc. to complete the design of the automatic gate entry systems at Heart Lake and Petticoat Creek CAs. The automatic gate system will include: automated entry and exit control gates with magnetic loops and arms; control panels and key pads; traffic separation barriers; concrete islands; curbs; and a cable and duct system. The system specified is compatible with known automatic payment software system.

### RATIONALE

Request for Quotations (RFQ) #10008808 was distributed electronically on November 26, 2018, with the following firms attending the mandatory site meeting:

- CSL Group
- Hawkins Contracting Services Ltd.
- Key West Gates
- Mopal Construction
- Ontario Parking Systems
- Roma Advanced Entry Systems

Bids were received by TRCA staff on December 17, 2018 as follows:

Firm	Bid (excl. HST)
Hawkins Contracting Services Ltd.	\$123,863
CSL Group	\$125,455
Mopal Construction	\$142,290
Key West Gates	No bid
Ontario Parking Systems	No bid
Roma Advanced Entry Systems	No bid

The three firms that did not submit bids are suppliers of gate systems and opted to provide pricing to general contractors, as the project involves additional asphalt, concrete and conduit work.

Therefore, based on the bids received, staff recommends that contract #10008808 for the Installation of Automatic Gate Entry Systems at Heart Lake and Petticoat Creek CAs be awarded to Hawkins Contracting Services Ltd. at a total cost not to exceed \$123,863, plus 20% contingency, plus HST, it being the lowest bid compliant with TRCA specifications.

### FINANCIAL DETAILS

Funds in the amount of \$60,962, plus 20% contingency, plus HST for system installation at Petticoat Creek CA are available through TRCA's municipal funding partners within account code #302-01.

Funds in the amount of \$62,901, plus 20% contingency, plus HST for system installation at Heart Lake CA are available through TRCA's municipal funding partners, within account code #006-62.

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Date: January 25, 2019