

### Section I – Items for Authority Action

**TO:** Chair and Members of the Authority  
Meeting #6/18, Friday, July 20, 2018

**FROM:** Nick Saccone, Senior Director, Restoration and Infrastructure

**RE:** **DON VALLEY BRICKWORKS MUD CREEK INLET REHABILITATION PROJECT**  
Contract #10008402

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#### KEY ISSUE

Award of Contract #10008402 for construction of a boardwalk, water feature and culvert replacement at the Don Valley Brickworks in the city of Toronto.

#### RECOMMENDATION

**THAT Contract #10008402 be awarded to McPherson-Andrews Contracting for construction services of a boardwalk, water feature and culvert replacement at the Don Valley Brickworks Mud Creek Inlet, at a total cost not to exceed \$602,648, plus HST, as they are the lowest bidder that best meets Toronto and Region Conservation Authority (TRCA) specifications;**

**THAT TRCA staff be authorized to approve additional expenditures to a maximum of 10% of the contract cost as a contingency allowance if deemed necessary;**

**AND FURTHER THAT authorized TRCA officials be directed to take any action necessary to implement the contract including obtaining any required approvals and the signing and execution of documents.**

#### BACKGROUND

The Project area is located within the Don Valley Brick Works (DVBW) Park in Toronto, Ontario. Mud Creek flows adjacent to DVBW, and is a highly altered, flashy watercourse that carries a high sediment load. It has been the focus to considerable work in recent years. It is also the main surface flow input into the DVBW wetlands.

In 2014, City of Toronto's Urban Forestry Natural Environment and Community Programs section requested that TRCA Restoration and Infrastructure staff assist them in addressing concerns with the water levels in the DVBW wetland pond features, as well as concerns around a failing culvert between Mud Creek and the wetland ponds. The existing culvert that was intended to draw flow from Mud Creek into the wetlands is no longer functional, and is blocked with sediment.

In 2016, TRCA retained the services of Cole Engineering Group Ltd. to undertake professional engineering and landscape architectural design services in support of replacing the failing culvert and restoring base flow to the wetlands. TRCA and the City of Toronto have been working with Cole Engineering to develop a plan to re-establish manageable base flow into the wetlands, and allow for ongoing sediment clean out and management to ensure long term viability. The designs will cap and decommission the existing culvert, as well as install a new culvert and an inlet maintenance system to manage sediment. The associated feature will direct the flow of water to the wetlands preventing erosion from damaging the slope, as well as creating a visual park amenity.

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Currently, at the base of the slope, an informal, unsafe footpath meanders along the wetland edge through the flow path of the existing culvert. The project also includes the construction of an elevated boardwalk pathway that will provide safe and formal access to this area of the wetlands. The new boardwalk will connect with the existing DVBW trail system, and will minimize the impact by park visitors on the wetlands.

### RATIONALE

TRCA and the City of Toronto have worked cooperatively on trail infrastructure and trail improvement projects for many years. Many existing trails and trail infrastructure projects on City-owned and managed lands were constructed by TRCA, and there is value to the City in having TRCA provide services that reduce environmental impacts and health and safety concerns in a prompt, cost-effective and environmentally responsible manner. TRCA is able to provide effective management of natural environment projects using their highly specialized expertise and ability to expedite approvals, facilitate community involvement and satisfy sensitive environmental standards.

Request for Tender (RFT) #10008402 was publically advertised on [www.biddingo.com](http://www.biddingo.com) on June 8, 2018, and a mandatory site meeting was held on June 20, 2018. The following contractors attended this meeting:

- Berkim Construction Ltd.;
- CSL Group;
- Dynex Construction;
- Ground Force Foundations;
- Iron Bridge Fabrication;
- Landtar Construction;
- McPherson-Andrews Contracting;
- Midome Construction;
- Natural Design Landscaping;
- Rain for Rent; and
- UCC Group

The Procurement Opening Committee opened the Tenders on June 28, 2018 with the following results:

BIDDERS	TOTAL TENDER AMOUNT (excl. HST)
McPherson-Andrews Contracting	\$602,648
Dynex Construction	\$684,257
CSL Group	\$735,165
Berkim Construction Ltd	\$773,575
Midome Construction	\$1,100,000

Members of the Selection Committee, consisting of TRCA staff (James Dickie, Ted Elmhirst and Ralph Toninger) reviewed the bidders' detailed proposals and evaluated them based on the lowest submitted bid.

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Restoration and Infrastructure staff reviewed the bid received from McPherson-Andrews Contracting Ltd. against its own cost estimate and has determined that the bid is of reasonable value and also meets the requirements as outlined in the contract documents. Further assessment by TRCA staff of McPherson-Andrews Contracting Ltd.'s experience and ability to undertake similar projects was conducted through reference checks, which resulted in positive feedback that McPherson-Andrews Contracting Ltd. is capable of undertaking the scope of work.

TRCA staff recommends that Contract #10008402 be awarded to McPherson Andrews Contracting Ltd. for a total cost not to exceed \$602,648, plus a 10% contract contingency, plus HST as they are the lowest bidder meeting TRCA's specifications.

This project is aligned with leadership strategy number two "Manage our Regional Water Resources for Current and Future Generations", as the culvert replacement and waterfall feature will contribute to maximizing the resilience of our water systems in preparation for predicted changes in climate change and assist with reducing the risk of future flooding within the area.

Additionally, this project aligns with enabling strategy number seven "build partnerships and new business models." TRCA has now completed this work on behalf of the City multiple times allowing us to demonstrate TRCA's expertise and capability in performing this critical maintenance thereby increasing TRCA's financial resilience.

### **FINANCIAL DETAILS**

Funding for this project is provided by the City of Toronto through an Offer of Service (OOS) on a cost recovery basis under account code 117-18.

### **DETAILS OF WORK TO BE DONE**

TRCA will initiate the contract and provide overall project management services. The project includes the key following steps:

- Construction layout, site preparation, tree protection, and erosion and sediment control;
- Dewatering and sediment removal;
- Decommission existing culvert, install new culvert, manhole and headwalls;
- Construct water feature and boardwalk;
- Fine grading and restoration of all disturbed areas and slopes;
- Restoration plantings.

Prior to commencement of any construction activities, TRCA will seek all necessary permits and approvals in partnership with the City of Toronto.

**Report prepared by: Martina Saverino, extension 6400, Ted Elmhirst, extension 6419**

**Emails: [msaverino@trca.on.ca](mailto:msaverino@trca.on.ca), [telmhirst@trca.on.ca](mailto:telmhirst@trca.on.ca)**

**For Information contact: Ted Elmhirst, extension 6419, Ralph Toner, extension 5366**

**Emails: [telmhirst@trca.on.ca](mailto:telmhirst@trca.on.ca), [rtoner@trca.on.ca](mailto:rtoner@trca.on.ca)**

**Date: July 5, 2018**