

Date: 2023-11-03

Subject: **Request to Begin Procurement — Chinguacousy Züm and Cycling Infrastructure Improvements - Wards 2, 4, 5, and 6**

Contact: Chris Lafleur, Project Leader, Higher Order Transit, EA

Report Number: Brampton Transit-2023-979

Recommendations:

1. That the report from Chris Lafleur, Project Leader, Higher Order Transit EA, to the Committee of Council Meeting of November 29, 2023, re: **Request to Begin Procurement – Chinguacousy Züm and Cycling Infrastructure – Wards 2, 4, 5 and 6** , be received;
2. That, the Purchasing Agent be authorized to begin the procurement to hire the General Contractor for Chinguacousy Züm and Cycling Infrastructure Improvements.
3. That, the Purchasing Agent be authorized to commence the procurement and enter into negotiations with Enseicom Inc. for the Chinguacousy Road Züm Detailed Design, Fabrication and Installation of the Station Stops.

Overview:

- **Chinguacousy Züm is planned to be launched following the start of service for Hazel McCallion Light Rail Transit line. Chinguacousy Züm will connect Cassie Campbell Recreation Centre at Sandalwood Parkway to the Bramalea GO Station on Steeles Avenue via Chinguacousy Road and Steeles Avenue.**
- **Staff is ready to begin procurement for the Chinguacousy Road Züm and Cycling Infrastructure Improvements, which includes hiring the general contractor for the civil construction of Züm and cycling infrastructure. The Capital Works section of the Public Works & Engineering department will manage the General Contractor and the delivery of this infrastructure.**
- **Staff is seeking approval, to enter direct negotiations with Enseicom Inc. for the Züm Chinguacousy Station Stops design, fabrication and installation. Retaining Enseicom Inc. will have a number of benefits including saving on design cost, facilitating and speeding up the building permit approval**

process, reducing timelines, and ensuring compatibility with the existing designs, which will also reduce operating costs.

Background:

In the City of Brampton, Route 4/4A Chinguacousy is one of the busiest conventional bus routes. As a result of increased ridership along the Chinguacousy Road corridor, it is recommended that a Züm service be implemented to accommodate this demand. Moreover, a Züm service along the Chinguacousy Road corridor is recommended in Brampton Transit's latest five-year business plan (2023-2027) and was also identified in the City of Brampton's Transportation Master Plan (2015).

Züm infrastructure including bus bays, upgraded bus pads, transit signal priority (Transit Signal Priority/Emergency Vehicle Priority) and upgraded shelters are scheduled to be installed along Chinguacousy Road between Sandalwood Parkway and Steeles Avenue. Chinguacousy Züm is planned to be launched following the start of service of the Hurontario Hazell McCallion Light Rail Transit line. Metrolinx has stated that the Hazell McCallion LRT will launch no earlier than late 2024. Chinguacousy Züm will connect Cassie Campbell Recreation Centre at Sandalwood Parkway to the Bramalea GO Station on Steeles Avenue via Chinguacousy Road and Steeles Avenue.

Additionally, signalized intersections along the Chinguacousy Road corridor between Sandalwood Parkway and Chinguacousy Road will be upgraded with active transportation infrastructure such as new bicycle signal heads, bike boxes and improved intersection geometry for cyclists. These improvements are being installed to enhance the rideability of the existing multi use path along the Chinguacousy Road corridor.

Current Situation:

Roadway Improvements

The City's Public Works and Engineering department has completed the design and tender package and is seeking Council approval to proceed with procurement. Upon Council approval, a procurement process will start in December 2023 and construction will start in Spring 2024 completing in fall 2024. The Capital Works section of the Public Works & Engineering department will manage the General Contractor and the delivery of this infrastructure.

This contract will include intersection improvements required for implementation of the Züm service along the Chinguacousy Road corridor between Sandalwood Parkway and Steeles Avenue. Züm stops will be constructed at the following intersections as part of the planned contract:

- Sandalwood Parkway
- Fairhill Avenue / Duffield Road
- Bovaird Drive

- Williams Parkway
- Major William Sharpe Drive / Valleycreek Drive
- Queen Street East
- Bonnie Braes Drive / Sterrit Drive
- Dusk Drive / Drinkwater Drive
- Charolais Boulevard
- Steeles Avenue East

The improvements at these locations include construction of the following:

- Concrete bus bays, pedestrian bus pads, sidewalks, street lighting, traffic signals, extending storm sewers, street trees, and the Station Stop installations.
- Station Stop servicing (hydro and communication ducts).

In addition, all remaining traffic signals will be enhanced with transit signal priority and WiFi infrastructure.

Cycling infrastructure including but not limited to the following will be added to all signalized intersections in the Chinguacousy Road corridor between Sandalwood Parkway and Steeles Avenue as follows:

- Bicycle traffic signal head installations. A bicycle signal is an electrically powered traffic control device that provides guidance for cyclists at intersections where they may have different needs from other road users.
- Bike boxes. Designated areas at the head of traffic lane at a signalized intersection that provides cyclists with a safe visible way to get ahead of queuing.
- Enhanced intersection geometry for cyclists such as wider curb cuts, MUP connectivity to intersections etc.

Chinguacousy Road Station Stops: Detailed Design, Fabrication and Installations

The Capital Works Division is ready to begin procurement of Züm Station Stops for Chinguacousy Züm. This contract will include the design, fabrication, and installation of the Chinguacousy Züm Station Stop shelters and related passenger amenities.

The Station Stops will have the same look, function, and amenities as the structures built for all existing Züm services. The Station Stops include custom design features including emergency panels, heaters, illuminated display cases, ad cases, benches, garbage and recycling bins, a CCTV system, and real-time information displays.

Retaining Enseicom Inc., which is the current supplier of the Züm shelters for previous Züm corridors including Queen Street, Main Street, Steeles Avenue, Bovaird Drive and Airport Road, will have a number of benefits including but not limited to the following:

- Maintain brand consistency and customer experience

- Design cost savings by using designs and schematics already prepared by Ensiecom
- Facilitating the building permit approval process
- Reduce timelines - Ensiecom staff are well versed with the detailed contract steps, and installation sequences, to ensure successful and timely installation of the shelters
- Ensure compatibility with existing infrastructure designs which will reduce operating / maintenance costs for the City of Brampton / Brampton Transit

Timing of the Project (Anticipated)

Road works, active transportation infrastructure and shelter installation is anticipated to be completed in late 2024. See below the project schedule for both the Züm Chinguacousy projects from Sandalwood Parkway to Steeles Avenue East:

Council Approval	November 2023
Negotiate with Züm Station Stop Vendor	December 2023
Issue Purchase Order to Züm Station Stop Vendor	January 2024
Issue Tender for Road Construction	February 2024
Road Construction Start	March 2024
Installations by Züm Station Stop Vendor	July 2024
Full Project Completion	October 2024

Corporate Implications:

Financial Implications:

Anticipated Costs

The table below outlines the anticipated costs associated with the recommendations of this report.

Project	Details	Cost (pre-tax)
Züm Chinguacousy Roadway Improvements and Active Transportation Installations	Sandalwood Parkway to Steeles Avenue East	\$4.5 M
Züm Chinguacousy Station Stops	Detailed design, fabrication, installation, and commissioning	\$3.5 M

Sufficient funding is available is capital project #224802-001.

Purchasing Implications

General Contractor for Chinguacousy Züm and Cycling Infrastructure Improvements

A public Procurement Process will be conducted, and the lowest compliant Bid will be eligible for contract award. Purchase approval shall be obtained in accordance with the Purchasing By-law.

All communication with Bidders involved in the procurement must occur formally, through the contact person identified in the Bid Document.

Station Stop Design, Fabrication and Installation for Züm Chinguacousy Station Stops

The Purchasing Agent will enter into direct negotiations with Enseicom Inc. Upon successful conclusion, purchase approval will be obtained in accordance with the Purchasing By-law.

Direct Negotiations are permitted in accordance with Schedule C to the Purchasing By-law as follows:

"To ensure compatibility with existing products, services and construction, to recognize exclusive rights, such as exclusive licenses, copyright and patent rights or to maintain specialized products that must be maintained by the manufacturer or its representative."

Should the negotiations be unsuccessful, the Purchasing Agent will proceed with a competitive procurement for Custom Transit Station Stops detailed design, fabrication, and Installation for Chinguacousy Züm Project in accordance with the Purchasing By-law.

All communication with the Bidder involved in the procurement must occur formally, through the contact person identified in the Bid Document.

Strategic Focus Area:

This report corresponds to:

- **Transit & Connectivity:** Focusing on transportation and a connected infrastructure that is safe, convenient, efficient, and sustainable.

Conclusion:

There is a unique opportunity for the City of Brampton to strengthen our community and grow our economy by increasing transit ridership through service level improvements and infrastructure expansion. Implementing Züm service along Chinguacousy Road will help meet the current and future transit needs of the City.

It is recommended the Purchasing Agent be authorized to commence the procurements for the Chinguacousy Züm and Cycling Infrastructure Improvements as described in this report.

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