



Region of Waterloo

EXPRESSION OF INTEREST

EOI2018-05

Grand River Transit Digital Displays for ION Light Rail

1. **Submission Requirements**

Submission Requirements, Conditions, and Criteria

Delivery of expression of interest submissions to the proper location, and prior to the submission deadline is the responsibility of the proponent. The Region of Waterloo will not be responsible for any EOI submission that is lost or delayed due to method of delivery.

One (1) Original Paper Copy & One (1) Electronic Copy on USB of the EOI submission clearly identified with the EOI number and title must be received by the Region of Waterloo no later than **2:00:59 p.m. EST, Wednesday, September 12, 2018.**

EOI submissions must be enclosed and sealed in an envelope with the envelope template provided affixed securely to the front of the envelope and be delivered to:

The Region of Waterloo
Procurement and Supply Services
4th Floor, 150 Frederick Street
Kitchener, ON, N2G 4J3

Questions pertaining to this assignment must be in writing and shall be directed to:

Joanne Markovic, Materials Analyst/Senior Buyer, Procurement

jmarkovic@regionofwaterloo.ca

The deadline for questions is Wednesday September 5, 2018 at 4:00 pm.

The Region reserves the right to not address questions received after the specified deadline for questions has passed.

Submissions should address the content requirements found herein, be detailed and comprehensive, be clear in language and complete. Each response must be in a sealed envelope or container with the included envelope template attached. Fax, telephone or email submissions will not be accepted or opened.

2. Purpose of Expression of Interest

We are seeking Expressions of Interest for the supply, install and implementation of approximately 45-50 digital passenger information displays to be located outdoors at 22 ION LRT platforms. This information will be used to:

- a. Plan and evaluate budgets,
- b. Assess potential technical requirements, and
- c. Develop potential bid documents.

3. Project Overview

The Region of Waterloo plans to implement outdoor digital passenger information displays at the ION LRT platforms in order to provide customers with real-time departure information for nearby bus stops. The Region is seeking to install up to 44 displays at the 22 ION platforms, and purchase up to 4-8 spares, for a total of approximately 45-50 displays. The scope is to supply the displays, supporting media players, and mounts for the displays; and then install the mounts, the displays upon the mounts, as well as the implementation of supporting power and communications services. The preferred project completion date is December 2018.

4. Technical

a. Potential technical product considerations include:

A. Hardware specs:

1. Displays should be suitable for seven day a week, 24 hour a day continuous outdoor operations; have an operating life of not less than five years of continuous operation to half-life display panel illumination level; have three years parts and labour manufacturer's warranty valid in Canada with extended maintenance and locally-supported service plan options. The vendor of the display monitors must be an authorized dealer of the product within Canada.
2. Displays should have the following specs:
 - a. Resolution: 1920 x1080 Full HD;
 - b. Digital display will be 32";
 - c. Displays shall be weatherproof (provide standards used);
 - d. Units will be commercial grade;
 - e. Colour: preferred grey, can be black;
 - f. Video orientation: both portrait and landscape;

- g. Viewing angle: 170 degrees+;
 - h. Ultra-bright 1000nits+ minimum preferred;
 - i. Demonstrated to be legible under direct sunlight to the approval of GRT;
 - j. Antiglare screen;
 - k. Integrated windows based operating system, or embedded room for media computer specified by GRT to be housed within unit;
- 3. Solution are to include provisions for future audio announcement of next bus departure information;
 - 4. UPS (power back up);
 - 5. Needs to communicate via both wired connection and capable of using Wi-Fi backup;
 - 6. Power supply is hard wired rather than plug-in socket

B. Media player:

- 1. Fanless;
- 2. Operating temperature -40C to +75C;
- 3. HDMI output;
- 4. GB LAN RJ 45 connection;
- 5. Dust and water protection.

b. Potential installation considerations include:

- a. Existing infrastructure should be used at each platform where possible to install the displays and supporting utilities.
- b. Precise display mounting positions will depend on site specific structural, electrical and communications services conditions.
- c. The platform canopy is the preferred mounting site; the horizontal canopy beam is recommended. Mountings should provide an adjustable tilt to accommodate different viewing angles.
- d. Preferred 2.0 m clearance to be provided under signage housing. Portrait orientation preferred. Clearance deviations using landscaped display orientation must be approved by GRT.
- e. Each display shall be supported by UPS. Hard-wired power preferred to plug-in socket.
- f. Communications should be primarily wired by Ethernet cable. Wi-Fi can be considered as an alternative where warranted based on site conditions.
- g. Conduits are accessible through the platform cabinet or by removing cover plates from structural columns. Some flex conduits may need to be added or extended to connect the racks in the cabinet to incoming conduits at ground level.
- h. Each station has an electrical breaker panel and communications rack.

- i. Spare breakers, network ports, and empty conduits are available for power and communications wires.
- j. Wiring can be run in conduits in the structural columns and canopy beam.
- k. A media player will be provided, embedded in the digital display housing.
- l. Vendor to advise if possible, how much rack space is needed in platform cabinet for any additional equipment.
- m. To complete the project each display will be powered and have network connections enabled to the satisfaction of GRT.

4. Required Components for Expression of Interest Submission

Vendor will provide each of the following components in response to this EOI:

- a. Experience completing similar projects for public sector within the last 5 years.
- b. Identify recommended products which would be supplied and a description of conformity to technical requirements.
- c. Any additional technical recommendations for specification changes or enhancements that can be incorporated into bid document development.
- d. Overall project schedule, including approximate timeline to order and obtain (including delivery) the required products, the timeline from award of contract to start of installation, and the timeline to install and implement.
- e. Provide justification for any schedule deviations (from preferred completion date) and highlight potential timing issues for Region of Waterloo to consider during bid preparation.
- f. Provide future maintenance considerations with respect to the hardware.
- g. Provide a high level cost estimate for budgetary purposes broken down by hardware, and installation Services.

SUBMITTED BY

Company Name: _____

Address: _____

REGION OF WATERLOO
TREASURY SERVICES DIVISION (PROCUREMENT)
150 FREDERICK STREET, 4TH. FLOOR
KITCHENER, ONTARIO
N2G 4J3

IMPORTANT:

Bids are to be dropped off at the Treasury Services Division (Procurement) Counter, 150 Frederick Street, 4th Floor, Kitchener, ON. Submissions received in Treasury Services Division (Procurement) after the closing time will NOT be accepted. The onus is on the bidder to ensure that the bid is received

CONTRACT NUMBER: EOI2018-05
CONTRACT NAME: Grand River Transit Digital Displays for ION Light Rail Transit
CLOSING DATE: **Wednesday September 12, 2018**
CLOSING TIME: 2:00:59 p.m.