

**Date:** 2024-02-15

**Subject:** **Request to Begin Procurement for Traffic Camera and Automated Speed Enforcement Programs**

**Contact:** Jason Keddy, Manager, Security Services, and Michael Kralt, Strategic Leader, Project Management

**Report Number:** Public Works & Engineering-2024-176

**Recommendations:**

1. That the report from Jason Keddy, Manager Security Services, and Michael Kralt, Strategic Leader, Project Management to the Committee of Council Meeting of February 21<sup>st</sup>, 2024, re: **Request to Begin Procurement for Traffic Camera and Automated Speed Enforcement Programs**, be received;
2. That the Purchasing Agent be authorized to commence the procurement for the supply and installation of traffic cameras at various intersections; and
3. That the Purchasing Agent be authorized to commence the procurement for the supply and implementation of automated speed enforcement cameras and related services.

**Overview:**

- **On December 7, 2022, the Committee of Council requested that staff provide a report on options for and costs of traffic cameras to support Peel Regional Police with investigations and deter careless driving in the City.**
- **On September 20, 2023, the Committee of Council directed staff to continue to explore the establishment of a Processing Centre for Automated Speed Enforcement (ASE) infractions in Brampton, and to develop a strategy to implement 135 additional cameras over the next four (4) years.**
- **This report seeks Council's authorization to commence two (2) Request for Proposal procurement processes to:**

- **Select a solution for the deployment of license plate recognition cameras, 360-degree video cameras, and a video management platform for the initial 50 intersections and future requirements beyond the initial deployment; and**
- **Select a vendor to provide 185 automated speed enforcement cameras and related software and services.**

## **Background:**

### Intersection Cameras

The cameras installed at intersections are used by Traffic Service Management to view current traffic and road conditions. The City discussed the installation of video cameras at intersections and concerns over privacy and risk.

On December 7, 2022, the Committee of Council requested staff to report back on options and costs for video cameras at intersections to assist with investigations and to deter careless driving at intersections within the City.

At the Committee of Council meeting on February 22, 2023, Peel Regional Police commented in support of adding recording devices to traffic cameras at intersections to provide PRP with additional resources to assist with the identification of those involved in criminal activity, which was referred to staff (RM 9/2023).

### Automated Speed Enforcement

The Joint Processing Centre (JPC) in Toronto currently processes automated speed infractions on behalf of Brampton and many other municipalities in Ontario. The JPC limits the number of images they process on behalf of Brampton due to capacity constraints.

The City is implementing a processing centre to increase the number of hours ASE cameras can issue tickets and provide an increased revenue stream to help offset road safety initiatives geared to reducing fatal and major injury collisions on municipal roadways.

In September 2023, Council directed staff to develop a strategy to implement 135 additional cameras over the next four years, for a total camera number of 185 ASE cameras. ASE cameras must be located within community safety zones or school zones and must meet specific provincial regulatory requirements.

To ensure that ASE continues to be used as intended to reduce vehicle speeds and collisions, particularly in areas where there is a higher volume of vulnerable road users, staff will incorporate the following criteria to assist when determining new locations:

- Operating Speeds
- Vehicle Volume
- Collisions
- Presence of Sidewalks
- Adjacent Schools
- Presence of Parks, Playgrounds and Recreation Areas
- Cut-through Traffic
- School Crossings
- Pedestrian Crossovers
- Active Transportation Facilities
- School Walking Routes

### **Current Situation:**

#### Intersection Cameras - Current Traffic Camera Technology

There are 20 traffic camera devices deployed across the City. The cameras and the affiliated software will not support more advanced video camera technology and will require replacement due to age, and functionality.

The video camera technology at intersections will include at a minimum:

- Cameras to record full video of the intersection and immediate area.
- Specialty cameras for capturing licence plates, and vehicle drivers.
- Artificial Intelligence (AI) to allow for investigations based on at a minimum:
  - Date and time
  - Full and partial licence plate
  - Jurisdiction that the licence plate
  - Geographical location
  - Vehicle colour
  - Vehicle type
- Video Management platform to support the above

The City, in consultation with the Peel Regional Police, identified a total of 50 intersections for the video camera technology.

#### Automated Speed Enforcement - Current Technology

The city currently leases 50 cameras through a contract that was established via a joint procurement process with participating municipalities of the Toronto Joint Processing Centre. These cameras will be replaced through this procurement process, and an additional 135 cameras will be procured for a total of 185 cameras. Detailed requirements will be established in the Request for Proposal document.

## **Corporate Implications:**

### Purchasing Implications:

A public Request for Proposal process will be conducted for each requirement and Proposals will be evaluated in accordance with the published evaluation process within the procurement documents. Purchase approval shall be obtained in accordance with the Purchasing By-law.

All communication with Bidders involved in the procurements must occur formally, through the contact person identified in the RFP Documents.

### Financial Implications:

There is no immediate financial impact resulting from the adoption of the recommendations in this report.

### Traffic Camera:

Council approved initial funding for this initiative as part of the 2023 Capital Budget. Additional funding for the purchase of cameras and resource capacity will be required depending on the implementation schedule. Department staff will either bring a budget amendment report for Council's consideration based on the result of procurement process or include the funding request in the 2025 budget submission and present it to the Mayor for consideration.

### Automated Speed Enforcement (ASE) Camera:

There are currently 50 operational ASE cameras, and approved funding for rental and joint processing center costs for these cameras is currently available under Public Work and Engineering 2024 operating budget. Additional funding for the purchase/leasing of 135 cameras and resource capacity will be required depending on the implementation schedule. Department staff will either bring a budget amendment report for Council's consideration based on the result of procurement process or include the funding request in the 2025 budget submission and forecast and present it to the Mayor for consideration.

Staff expects that once City has implemented its own processing center, the total estimated costs to operate the ASE program including the contract award, additional staffing, court related costs, and centralized processing are expected to be offset by fine revenue from charges issued during the operation of the program.

## **Strategic Focus Area:**

The addition of traffic cameras at intersections and Automated Speed Enforcement (ASE) cameras will support Brampton's Health & Well-being by creating safer streets and communities.

### **Conclusion:**

The report seeks council approval to proceed with the procurements as described in this report.

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