




CITY OF HAMILTON
PUBLIC WORKS DEPARTMENT
Transportation Operations and Maintenance Division

TO:	Chair and Members Public Works Committee
COMMITTEE DATE:	December 7, 2020
SUBJECT/REPORT NO:	Community Safety Zones (PW20045(a)) (City Wide) (Outstanding Business List Item)
WARD(S) AFFECTED:	City Wide
PREPARED BY:	David Ferguson (905) 546-2424 Ext. 2433 Mike Field (905) 546-2424 Ext. 4576
SUBMITTED BY:	Edward Soldo Director, Transportation Operations & Maintenance Public Works Department
SIGNATURE:	

RECOMMENDATIONS

- (a) That the amendment to the Automated Speed Enforcement pilot project deployment plan and schedule October 2020-September 2021, attached to Report PW20045(a) as Appendix "A" be approved;
- (b) That the additional designated Community Safety Zones which supports the amendment to the Automated Speed Enforcement pilot project, attached to Report PW20045(a) as Appendix "B" and directs staff to amend By-law 01-215, Schedule 34, for implementation in 2021 be approved; and
- (c) That the Outstanding Business List Item, Auxiliary List of Potential Automated Speed Enforcement Locations be identified as completed and removed.

EXECUTIVE SUMMARY

City Council approved the use of Automated Speed Enforcement (ASE) in January of 2020 for a one-year pilot project. Transportation Operations & Maintenance had planned to undertake extensive traffic studies through the spring and summer months of 2020 to create a comprehensive list of locations for the installation of Automated Speed Enforcement. Due to the COVID-19 pandemic and the significant reduction in traffic

volumes, traffic count programs were suspended, and staff were only able to evaluate 75 locations.

With the approval of Report PW20045 Community Safety Zones (CSZ) in July 2020, Council directed staff to report back to Public Works in Q4 of 2020 with an auxiliary list for consideration in consultation with Councillors. Transportation Operations & Maintenance evaluated a list of 58 priority locations identified through the consultation with Councillors and reprioritized the Automated Speed Enforcement pilot project plan.

Each new location was evaluated based on Provincial guidelines and regulations and a new deployment plan and schedule has been created as outlined in Appendix "A" to Report PW20045(a). Due to required notification requirements set by the Province, changes in the schedule will not take place until April 2021 and a new two-week rotation schedule for ASE sites will begin at that time.

The additional locations that were identified by Councillors for consideration of the installation of Automated Speed Enforcement have been identified in Appendix "B" to Report PW20045(a).

Alternatives for Consideration – See Page 4

FINANCIAL – STAFFING – LEGAL IMPLICATIONS

Financial: Not applicable; funding for community safety zones and automated speed enforcement was previously approved on January 13, 202 via Automated Speed Enforcement Report PW20002.

Staffing: N/A

Legal: Amendment to Traffic By-law 01-25, Schedule 34 Designated Community Safety Zones

HISTORICAL BACKGROUND

In February 2019, Council approved the Hamilton Strategic Road Safety Program and Vision Zero Action Plan 2019-2023 through Report PW19015, which identified the use of ASE technology.

On January 13, 2020, Council directed staff to initiate a one-year ASE pilot program to be used in designated school zones and community safety zones utilizing two mobile ASE units to assess the technology and impacts on the City and Provincial offences Court system through Automated Speed Enforcement Report PW20002.

In July 2020, Council approved Report PW20045 Community Safety Zones, which established twelve (12) CSZ's in Hamilton as required under ASE operations. Council further provided the following direction;

- (d) That staff report back to the Public Works Committee no later than Q4 2020 with an auxiliary list of potential Automated Speed Enforcement locations upon consultation with Ward Councillors.

In October of 2020, the ASE pilot project began with the installation and activation of ASE equipment on Stone Church Road East between Pritchard Road and Anchor Road.

POLICY IMPLICATIONS AND LEGISLATED REQUIREMENTS

N/A

RELEVANT CONSULTATION

N/A

ANALYSIS AND RATIONALE FOR RECOMMENDATION

Based on Provincial guidelines for the implementation of ASE and CSZ's, Transportation Operations & Maintenance developed a joint guideline for the implementation of ASE and CSZ's. This guideline is intended to provide a consistent, repeatable, transparent and defined method for designating CSZ's and ASE.

The scored ranking criteria takes roadway characteristics into account such as daily traffic volume, vehicle operating speed, pedestrian volumes, collision history and the presence (or lack of) multi modal amenities to determine areas that would benefit from being designated as a CSZ and ASE installation. The ranking of locations that meet the guideline will ensure that roadways with a greater number of vulnerable road users and higher exposures to roadway safety risk factors will receive priority designation.

During the initial review, a total of seventy-five (75) locations were evaluated for consideration of CSZ and ASE. Due to COVID-19, additional candidate locations were paused as a result of traffic volume counting being suspended during COVID-19 conditions.

As per Council direction, Transportation Operations & Maintenance undertook consultation with all Councillors and revised the ranking of candidate locations. A revised schedule of roadways for inclusion of ASE operations considering Provincial Municipal Consortium guidelines, Provincial regulations and a one-year pilot operation as directed by Council is attached to Report PW20045(a) as Appendix "A".

Transportation Operations & Maintenance re-started traffic counting and speed studies in October of 2020.

While volumes have not returned to pre-COVID-19 volumes, the volumes have returned to a level where data is reasonable in relation to evaluating the additional candidate locations. New candidate locations (58) were reviewed and assessed. Six (6) new locations are proposed to be added (reference Appendix "C" to Report PW20045(a) – ASE New Proposed Location Map) to the ASE pilot program, thereby increasing the total number of locations increased from 12 to 18. In order to accommodate additional locations, Transportation Operations & Maintenance is recommending moving to a two (2) week operation rotation beginning in April for each location.

While generally the top ranked locations were included in the proposed revised ASE pilot deployment schedule, there were several locations identified by Councillors for review and consideration that have not been included in the ASE pilot program. All locations are listed in Appendix "B" to Report PW20045(a), including their ranking score and justification (when necessary) for exclusion for the ASE pilot program. The ASE pilot program is limited in the number of locations that can be assessed due to the use of two cameras, the notification requirements, 12-month pilot schedule term, and other factors such as physical constraints which would interfere with the operation of the ASE cameras.

The eighteen ASE pilot locations, inclusive of the six (6) new proposed locations, provides the pilot program with thorough and representative types of roadways that will provide valuable information for the pilot. The proposed additional locations further enhance the quality and reliability of the post-pilot analysis and reporting.

Transportation Operations & Maintenance will be reporting to Public Works Committee in Q4 of 2021 with a summary of the results of the ASE.

ALTERNATIVES FOR CONSIDERATION

Council has already approved and directed Transportation Operations & Maintenance to implement ASE in designated school zones and community safety zones.

While Council may choose to identify alternate candidates for ASE locations, it is recommended that the guideline be utilized in order to focus on the highest priority locations and to provide a consistent, repeatable, transparent and defined method for implementations.

ALIGNMENT TO THE 2016 – 2025 STRATEGIC PLAN

Community Engagement and Participation

Hamilton has an open, transparent and accessible approach to City government that engages with and empowers all citizens to be involved in their community.

Economic Prosperity and Growth

Hamilton has a prosperous and diverse local economy where people have opportunities to grow and develop.

Healthy and Safe Communities

Hamilton is a safe and supportive City where people are active, healthy, and have a high quality of life.

Built Environment and Infrastructure

Hamilton is supported by state-of-the-art infrastructure, transportation options, buildings and public spaces that create a dynamic City.

APPENDICES AND SCHEDULES ATTACHED

Appendix “A” to Report PW20045(a) – Automated Revised Deployment Schedule
October 2020 – September 2021

Appendix “B” to Report PW20045(a) – ASE Auxiliary Location List

Appendix “C” to Report PW20045(a) – ASE New Proposed Location Map