



## REPORT

**REPORT TO:** Chair and Members of the Planning, Public Works and Transportation Committee

**REPORT FROM:** Matt Roj, Traffic Coordinator

**DATE:** March 7, 2019

**REPORT NO.:** TPW-2019-0002

**RE:** 2019 Traffic Engineering Work Plan

### RECOMMENDATION:

THAT Report No. TPW-2019-0002, dated March 7, 2019, regarding the 2019 Traffic Engineering Work Plan, be received;

AND FURTHER THAT the 2019 Traffic Engineering Work Plan, be endorsed;

AND FURTHER THAT any new in-year requests be prioritized based on safety consideration and community impact, and budget implications may be added to the work plan.

### BACKGROUND:

Traffic Engineering Section of the Transportation and Public Works Department administers maintenance, operations and implementation of traffic control devices, including streetlighting and school crossing guards through operating programs and capital projects. Staff core responsibilities include delivery of those programs and projects, while balancing the needs of the citizens to plan, build, and maintain a complete and sustainable road network.

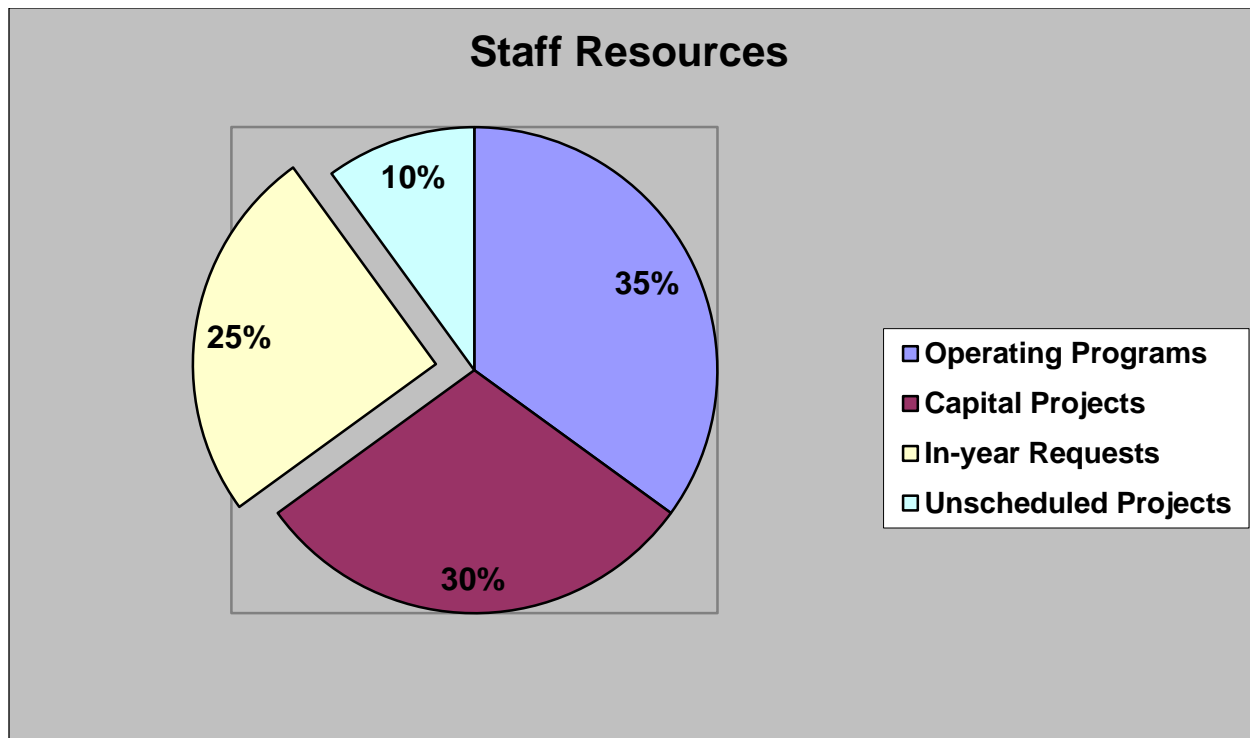
In addition to the Traffic Engineering Section, the Transportation Section deals with longer range and policy projects. The Transportation Section projects are not included in this report.

The primary responsibilities of the Traffic Engineering staff include traffic signs, traffic control signals, pavement markings, streetlighting, traffic calming, active transportation, school crossing guards, legal updates (i.e. by-laws), railway safety, traffic counts, traffic management plans, traffic impact studies, collision reports, road public events and operational safety, and policy reviews.

The overall Traffic Engineering Work Plan is allocated between operating programs, capital projects, in-year requests and unscheduled projects. Each year, in-year public requests consist of approximately 25 percent (%) of the workload. These in-year requests represent a reactive part of the Work Plan. As an example, in 2018, staff recorded more than 100 public requests, which the majority related to speeding and/or aggressive driving concerns. These concerns need to be assessed as part of our Traffic Calming Protocol (TCP). The protocol is currently being updated and will be presented to the Committee in a separate report.

Traffic calming devices such as speed humps are installed in accordance with the Traffic Calming Protocol. Based on the extensive public engagement process and budget constraints, staff implements one (1) intrusive traffic calming project (i.e. speed humps) per year. TCP consists of three main sections: Initial Screening Warrant, Public Engagement, and Traffic Calming Implementation.

Identified below is the Resources Chart which identifies the percentage of time allocated to the four (4) areas within the Traffic Engineering workload. An example of the unscheduled project could be traffic signal pole knockdown and/or controller damage due to a motor vehicle collision at the signalized intersection.



The Transportation engineering staff complement includes two (2) full-time positions plus a Manager that is also responsible for Transportation Planning and Accessible Transit. As part of the 2019 budget, Council approved an additional Traffic Analyst contract position for a 12-month term. It is anticipated that this position will be filled in March/April.

A detailed summary of the 2018 Traffic Engineering core responsibilities are identified in Attachment 1. Through the 2018 election season to the beginning of 2019, staff received 62 in-year Council service requests. A list of the In-year 2018/2019 Council Service Requests is identified in this report and in Attachment 2.

## **COMMENTS:**

The 2019 Traffic Engineering Work Plan is funded through both Capital and Operating budgets.

Below is the list of the ongoing Capital projects identified in the previous Capital budgets (primarily 2018) that will continue in 2019:

- Interconnect Mountainview Traffic Signals – Seven (7) traffic signals and implementation of Centrac's Advance Traffic Signal Management System
- Railway Safety Assessments – Metrolinx Line
- Traffic Signal Legal Drawings Update – Guelph Street/Brucewood Road
- Trucking Strategy Study and Implementation
- Bike Lanes - Barber Drive (West) Signage
- Traffic Signal LED upgrade

The 2019 Traffic Engineering Work Plan includes the following traffic operating, capital, and in-service projects, identified in the following categories:

## **Operating Programs**

### Traffic Signs

- Preventative Traffic Signs maintenance

### Traffic Control Signals

- Preventive Traffic Control Signals maintenance
- Eighth Line/Miller Drive – Advance solar yellow flashers
- Mountainview Rd. S./Barber Dr. – Advance Left turn phase review
- Traffic Signals LED Upgrades – Mountainview Rd. N./River Dr. and Mountainview Rd. S./Argyll Rd.

### Pavement Markings

- Pavement Markings Program – lane lines, stop bars, arrows, crosswalks, bike symbols, “SLOW” symbols
- Accessible Parking Symbols – on-street parking spaces

### Streetlighting

- Preventive Streetlighting maintenance
- Maria St. – Street light replacements

### School Crossing Guards

- School Crossing Guard Program

### Traffic Count Program

- Data Collection and Traffic Counts

### Road Public Events

- 20 Road Public Events (i.e. Santa Claus, Leathertown, cycling events)

### Motor Vehicle Collisions

- Motor Vehicle Collisions Reviews

### Heavy Trucks

- Truck Safety Blitzes

## **Capital Projects**

### Traffic Signs

- Mill Street West (Victoria Ave. to Cobblehill Road) – No Parking zone and yellow centre line
- Municipal Boundary Signs
- Rural Area Sign Improvements – 27 Side Road, Tenth Line, Clayhill Road, Fallbrook Trail, Ninth Line and Eighth Line
- Roundabout – Pedestrian Safety improvements

### Traffic Control Signals

- Accessible Traffic Signals – Mountainview Rd. N./Maple Ave., Mountainview Rd. N./River Dr. and Mountainview Rd. S./Argyll Rd.
- Opticom Replacement Program
- Main Street North (Hwy 7) and School Lane – Traffic Signal Installation
- Traffic Controller Replacements – Guelph St. (Hwy 7)/Brucewood Rd., Guelph St. (Hwy 7)/Delrex and Queen St. (Hwy 7)/Tanners Dr.

- Pedestrian Crossings – Delrex Blvd. (Centennial Middle School) and Armstrong Ave./Sinclair Ave.

#### Streetlighting

- Longfield Subdivision – Phase 2 – Street light infrastructure
- Streetlight Pole and Transformer Replacement – Halton Hills Hydro projects
- Bishop Court – Street light improvements
- Rural Intersections Streetlighting – 22 Side Road/Third Line (West), 22 Side Road/ Third Line (East) and 15 Side Road/Third Line

#### Railway Safety

- Mandated Rail Crossing Updates – Metrolinx Line
- Railway Safety Reviews – CN (2 crossings) and Metrolinx Line
- Railway Crossing Repairs – One location to be determined

#### Heavy Trucks

- Trucking Strategy Study

#### Active Transportation

- Acton and Georgetown – Greenbelt connector routes installation
- Joseph Gibbons Public School – Potential sidewalk improvements

#### Legal Updates

- Uniform Traffic Control By-law 84-1 Update
- Signal Drawings, Guelph Street/Brucewood Road - Legal update

### **In-year Service Requests – Scheduled Projects**

Based on previous requests (primarily in 2018), staff have prioritized the in-year requests based on safety and community impacts. The following represents the requests that are expected to be completed in 2019:

#### Traffic Signs

- Farm Vehicle Signs review

#### Traffic Calming

- John Street (Georgetown) – Speed hump installation
- Confederation Street/Ninth Line – Speed limit assessment

- Fifth Line (Limehouse) – Speed limit assessment
- 22 Side Road (Limehouse) – Operational review
- Sixth Line - Speed limit assessment
- Bower Street – Operational review
- Danby Road – Operational review
- River Drive (Mountainview Rd. N. to Rosetta St.) – Lane width reductions
- King Street (Georgetown) – Operational review

#### Operational Safety Reviews

- Arborglen Dr./Arborglen Dr. – Operational review
- Prince Charles Dr./Brucewood Rd. – Operational review
- Barber Dr./Eaton St. – Operational review
- King Street/Green Street – Operational review follow up
- Wildwood Road (Confederation St. to Oak Ridge Dr.) – Operational review
- River Drive/Tenth Line – Operational review
- Sprowl Street/Salmon Way – Intersection improvements
- Eaton St./Chaplin Cres. (E.) – Operational review

#### **Unscheduled Projects**

On an annual basis, respond to issues which are identified through public inquiries and need to be resolved in a timely matter. Examples of these issues are as follows:

- Deployment of radar message boards – approximately 100 locations in 2018
- Parking inquiries
- Schools inquiries
- Traffic Control Signals – infrastructure damage
- Traffic Signs – infrastructure damage
- Traffic study requests
- Streetlighting - malfunctions
- Intersection operational reviews
- Freedom of Information Requests
- Locate requests

As part of the 2019 Operating Budget, Council approved a new Traffic Analyst contract position for a 12-month term. This position will assist in delivering the core programs along with responding to in-year requests. In addition to the requests identified in the report, 49 additional requests are documented in Attachment 2. This list is continually being added to and will be assessed on a priority basis.

Based on current work load, it is expected that most of the requests will be addressed in 2020. If a concern is received that is considered time sensitive, the work program will be re-prioritized to address critical issues as required.

**RELATIONSHIP TO STRATEGIC PLAN:**

There is no relationship to the strategic plan.

**FINANCIAL IMPACT:**

The 2019 Traffic Engineering Work Plan is included within the approved budget.

**CONSULTATION:**

This report was discussed internally within the department.

**PUBLIC ENGAGEMENT:**

Public engagement will be undertaken as required, based on the individual projects.

**SUSTAINABILITY IMPLICATIONS:**

The Town is committed to implementing our Community Sustainability Strategy, Imagine Halton Hills. Doing so will lead to a higher quality of life.

The recommendation outlined in this report advances the Strategy's implementation.

This report supports the Social Well-being pillar of Sustainability and in summary the alignment of this report with the Community Sustainability Strategy is good.

**COMMUNICATIONS:**

Staff will discuss the work plan with the Town's contractors and internal staff, as necessary.

**CONCLUSION:**

The Traffic Engineering staff have developed a detailed 2019 work plan. In-year requests consist of approximately 25 percent (%) of the total workload, which may have a significant impact in the delivery of the work plan. It is anticipated that the majority of this work will be completed in 2019. However, some major projects may continue in 2020 based on the length of the projects and available staff resources. Any additional in-year requests in 2019 will need to be prioritized and added to the overall work plan, and if they can be accommodated within the approved budget. Should the list of additional in year requests exceed the budget, staff will advise Council accordingly.

Reviewed and Approved by,

A handwritten signature in black ink, appearing to read "Maureen Van Ravens". The signature is fluid and cursive, with the first name being the most prominent.

Maureen Van Ravens, Manager of Transportation

A handwritten signature in black ink, appearing to read "C. Mills". The signature is stylized with a large, sweeping horizontal stroke across the top.

Chris Mills, Commissioner of Transportation and Public Works

A handwritten signature in black ink, appearing to read "Brent Marshall". The signature is cursive and somewhat slanted to the right.

Brent Marshall, Chief Administrative Officer