

**SUBJECT:** Rouge Valley Drive & Moseby Gate Proposed All-way Stop (Ward 3)

**PREPARED BY:** David Porretta, Manager, Traffic Engineering, ext. 2040

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**RECOMMENDATION:**

- 1) That the report entitled “Rouge Valley Drive & Moseby Gate Proposed All-way Stop (Ward 3)” be received; and
- 2) That Schedule 12 of Traffic By-law 106-71, pertaining to compulsory stops, be amended to include all approaches to the intersection of Rouge Valley Drive & Moseby Gate; and
- 3) That that the Operations Department be directed to install the appropriate signs and pavement markings at the subject location; and
- 4) That the cost of materials and installation for the traffic signs and pavement markings in the amount of \$1,000, be funded from capital project # 083-5350-18056-005 ‘Traffic Operational Improvements’; and
- 5) That York Region Police be requested to enforce the all-way stop controls upon installation of these stop signs and passing of the By-law; and further
- 6) That staff be authorized and directed to do all things necessary to give effect to this resolution.

**PURPOSE:**

This report recommends implementing an all-way stop at the intersection of Rouge Valley Drive & Moseby Gate, to improve intersection operations.

**BACKGROUND:**

Traffic Engineering staff received a request from a local resident regarding traffic safety concerns at the intersection of Rouge Valley Drive & Moseby Gate. Specifically, the resident expressed difficulties in entering the intersection from Moseby Gate due to a steady flow of traffic on Rouge Valley Drive.

The subject intersection is located in Markham Centre, north of Enterprise Boulevard and west of Birchmount Road (see Attachment “A”). Rouge Valley Drive is classified as a 2-lane minor collector street and Moseby Gate is classified as a local street. Stop control at the intersection is currently assigned to Moseby Gate only, giving traffic on Rouge Valley Drive the right-of-way.

**DISCUSSION:**

**All-way stop control warrant analysis was conducted at the subject intersection**

An all-way stop control may be considered where the minimum provincial warrant criteria are satisfied, as outlined in the Ontario Traffic Manual (OTM). The warrant considers both the total vehicular volume and the volume distribution between the intersecting roadways during the busiest hour of the day.

**All-way stop control is recommended at Rouge Valley Drive & Moseby Gate**

In June 2018, Traffic Engineering staff conducted an all-way stop warrant analysis during the busiest one-hour period of a typical weekday at the intersection. The warrant analysis results are as follows:

**Figure 1: Rouge Valley Dr. @ Moseby Gate - All-way Stop Study Results**

CRITERIA #1 Total Traffic Volume (All Approaches)			CRITERIA #2 Volume Assigned to "Minor" Street (Moseby Gate)		
Minimum Criteria	Recorded Value	Criteria Met?	Minimum Criteria (3-way)	Recorded Value	Criteria Met?
350	361	YES	25%	35%	YES

Results of the study have concluded that the minimum justification criteria has been satisfied. The provision of an all-way stop will improve intersection operations and safety by requiring all vehicles to come to a complete stop at the intersection.

**FINANCIAL CONSIDERATIONS:**

The cost of materials and installation for the traffic signs and pavement markings in the amount of \$1,000 will be funded from capital project #18056 "Traffic Operational Improvements." On-going maintenance costs will be managed within the Operations Department's existing operating budget; therefore there is no incremental impact to the operating budget. There is no incremental life cycle impact.

**ALIGNMENT WITH STRATEGIC PRIORITIES:**

The recommendations identified within this report align with the strategic focus for a Safe & Sustainable Community, through the ongoing management of the City's transportation network.

**DEPARTMENTS CONSULTED AND AFFECTED:**

Operations Department has been circulated this report, and acknowledges the operating impacts associated with the additional regulatory signs and pavement markings.

**RECOMMENDED BY:**

Brian Lee, P.Eng  
Director, Engineering

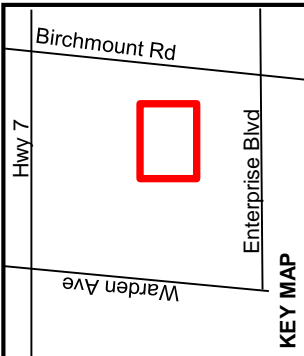


Arvin Prasad, MPA, RPP, MCIP  
Commissioner, Development Services


**ATTACHMENTS:**

Attachment "A" – Map: Rouge Valley Drive & Moseby Gate

Attachment "B" – All-way Stop Control By-Law Amendment



**LEGEND**



Existing All-way Stop

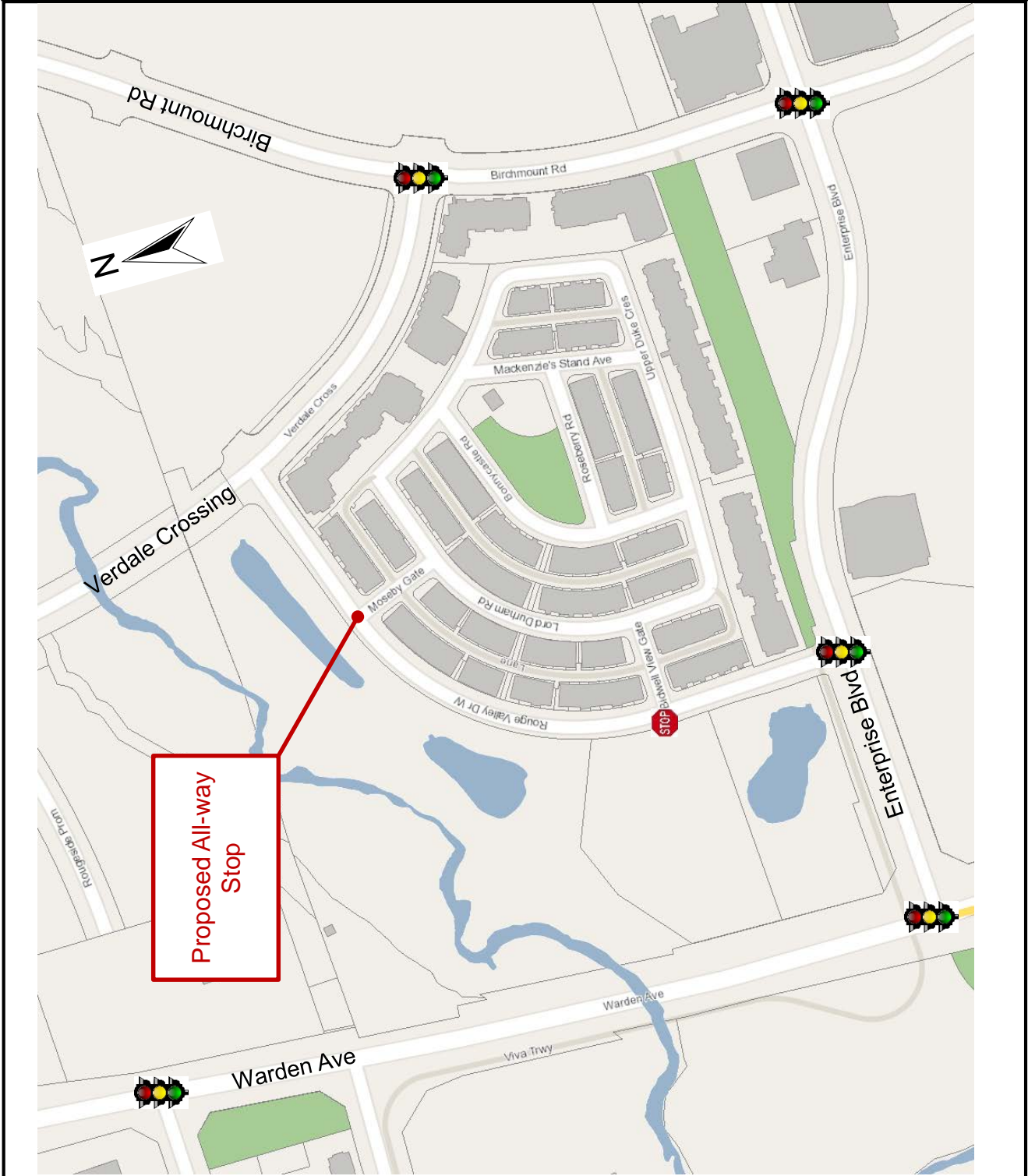


Existing Traffic Signals

**Rouge Valley Dr. @**  
**Moseby Gate**  
**Proposed All-way**  
**Stop**

**MARKHAM**  
 Engineering Dept.  
 November 2018

**ATTACHMENT A**





BY-LAW NUMBER \_\_\_\_\_

TO AMEND BY-LAW 106-71

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BE IT ENACTED BY THE COUNCIL OF THE CORPORATION OF THE CITY OF MARKHAM THAT TRAFFIC BY-LAW 106-71 BE AND THE SAME IS HEREBY AMENDED AS FOLLOWS:

1. That Schedule 12 of Traffic By-law 106-71, pertaining to “Compulsory Stops”, be amended by adding the following:

COLUMN 1	COLUMN 2	COLUMN 3
<u>INTERSECTION</u>	<u>FACING TRAFFIC</u>	<u>LOCATION OF STOP SIGN</u>
Rouge Valley Drive & Moseby Gate	Eastbound on Rouge Valley Drive	South side of Rouge Valley Drive, west side of Moseby Gate
Rouge Valley Drive & Moseby Gate	Westbound on Rouge Valley Drive	North side of Rouge Valley Drive, east side of Moseby Gate

2. The By-Law shall come into force and effect upon receiving the third reading by the Council of the City of Markham and also when authorized signs have been erected.

READ A FIRST, SECOND AND THIRD TIME AND PASSED THIS \_\_\_\_\_

DAY OF \_\_\_\_\_, 2018.

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KIMBERLY KITTINGHAM  
CITY CLERK

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FRANK SCARPITTI  
MAYOR