

All-Way Stop Control: Divadale Drive at Sutherland Drive and Divadale Drive at Rumsey Road

Date:	May 20, 2008
To:	North York Community Council
From:	Director, Transportation Services Division, North York District
Wards:	Ward 26 – Don Valley West
Reference Number:	p:\2008\ClusterB\TRA\NorthYork\ny08064 7781

SUMMARY

This staff report is about a matter that the Community Council has delegated authority to make a final decision, provided that it is not amended so that it varies with City policy or by-laws.

To obtain approval for the establishment of all-way stop control at the intersections of Divadale Drive at Sutherland Drive and Divadale Drive at Rumsey Road, coincident with the removal of the existing pedestrian crossovers (PXO's).

The installation of the all-way stop controls, coincidental with the removal of the PXO's, would better serve the needs of pedestrians crossing the roadways.

RECOMMENDATIONS

Transportation Services Division, North York District recommends that:

1. an all-way stop control be established at the intersection of Divadale Drive at Sutherland Drive, coincident with the removal of the existing pedestrian crossover (PXO); and
2. an all-way stop control be established at the intersection of Divadale Drive at Rumsey Road, coincident with the removal of the existing pedestrian crossover (PXO).

FINANCIAL IMPACT

All costs associated with the installation of the all-way stop controls and the removal of the existing pedestrian crossovers are included within the Transportation Services Division's 2008 Operating Budget.

ISSUE BACKGROUND

Transportation Services Division, North York District, was requested by Rebecca Krekiewicz, Vice-Principal, Northlea Elementary & Middle School, to consider the installation of all-way stop controls at the intersections of Divadale Drive at Sutherland Drive and Divadale Drive at Rumsey Road, coincident with the removal of the existing pedestrian crossovers (PXO's).

COMMENTS

The intersection of Divadale Drive and Sutherland Drive forms a 'T' at the east flank of Northlea School. Currently, westbound vehicles on Divadale Drive are required to stop at Sutherland Drive. A pedestrian crossover with flashing overhead beacons is located on the south side of the intersection.

The intersection of Divadale Drive and Rumsey Road forms a 'T' at the west flank of Northlea School. Currently, eastbound vehicles on Divadale Drive are required to stop at Rumsey Road. A pedestrian crossover with flashing overhead beacons is located on the north side of the intersection.

In order to assess existing traffic conditions, this division conducted all-way stop control studies. During the completion of the studies, staff recorded the total volume of traffic which utilized the intersections, observed delays and right-of-way conflicts and noted the intersection geometry.

The following tables illustrate the results of the studies:

Divadale Drive at Sutherland Drive	Actual	Required	Satisfied (YES/NO)
Collision History (three-year review)	0/3 years	6/3 years	NO
Total Vehicle Volumes	162	250 Avg/hr	NO
Vehicle & Pedestrian Volumes Crossing Major Road	133	100 Avg/hr	YES
Percent of Traffic on Major Road	48	= 70	YES
Overall Warrant			YES

Divadale Drive at Rumsey Road	Actual	Required	Satisfied (YES/NO)
Collision History (three-year review)	0/3 years	6/3 years	NO
Total Vehicle Volumes	190	250 Avg/hr	NO
Vehicle & Pedestrian Volumes Crossing Major Road	140	100 Avg/hr	YES
Percent of Traffic on Major Road	51	= 70	YES
Overall Warrant			YES

The results of the all-way stop studies concluded that the warrants for the installation of all-way stop control are satisfied at both intersections.

The establishment of all-way stop control would require the removal of the existing pedestrian crossovers (PXOs). The combination of a PXO and an all-way stop control at an intersection are conflicting means of traffic control. A PXO requires that motorists only yield to pedestrians when crossing the roadway while an all-way stop requires that motorists come to a complete stop.

The establishment of all-way stop control, coincident with the removal of the PXO, would maintain a comfortable pedestrian crossing environment.

Councillor John Parker has been advised of the recommendations in this staff report.

CONTACT

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SIGNATURE

Myles Currie, B.A.
 Director

ATTACHMENTS

Attachment 1: Map – All-Way Stop Control; Divadale Dr at Sutherland Dr and Divadale Dr at Rumsey Rd (ny08064_map)