HALDIMAND COUNTY
POLICY No. 2007- 03

Subject: **All WAY STOP INSTALLATION WARRANT POLICY**

Purpose:

To establish warrants or criteria that must be met in order to consider the installation of an All Way Stop condition at an intersection.

Policy:

Scope: This policy is intended to be applicable to all roads under the County jurisdiction.

Authority: The Highway Traffic Act authorizes Municipalities to pass by-laws to amend traffic conditions.

Objectives: The goal is to provide a process by which all requests are received, be considered and warrants for the implementation of an all way stop.

Requests

A written request with supporting documentation shall be submitted to the Physical Services Department. Copies will be forwarded to the Ward Councillor.

Warrants

There are two parts to the warrant. All of the warrants in part one must be satisfied to continue with part two.

Part One – Consideration

For a warrant to be considered all of the following must be satisfied.
1.   A minimum posted speed of 50km/h.
2.   The closest traffic control device is located at least 700 meters away for arterial intersection and 250 meters away for secondary intersections.
3.   The intersection has three or four legs with no more than two lanes on each leg. Each leg must be a minimum of 150 meters in length.
4.   For arterial intersections the combined volume of vehicles and pedestrians entering from the minor street over eight hours must be at least 40% of the total volume.
5.   For secondary intersections combined volume of vehicles and pedestrians entering for the minor street over eight hours must be at least 25% of the total volume for a 3-way intersection or at least 35% of the total volume for a 4-way intersection.

Part Two – Warrants

1.   Visibility Conditions

The minimum sight distance of the minor street driver to the major street is less than 95 meters when the major street is 50 km/h or less than 115 meters when the major street speed limit is 60 km/h or higher; and the removal of the sight obstruction is not feasible.

2.   Collision History Warrant

Based on the latest three year period the intersection has met one of (a) or (b):
a) 12 or more correctable collisions for an arterial intersection or
b) 5 or more correctable collisions for all other intersections.

In general a correctable collision would include turning movement or angle type collisions as described in the collision reports.

3.   Traffic Volume Warrant

An arterial intersection has a minimum vehicular traffic of 500 entering the intersection from all legs for each of any eight hours of the day and a combined vehicle and pedestrian traffic volume of 200 entering from the minor street for each of any eight hours of the day; or a secondary intersection has a minimum vehicular traffic of 200 entering the intersection from all legs for each of any eight hours of the day, and a combined vehicle and pedestrians traffic volume of 50 entering from the minor street for each of any eight hours of the day.

4.   Pedestrian Exposure Warrant

An intersection is within 150 meters of a pedestrian generator such as a park, library, community facility, etc., and 50 pedestrians cross the major street in each hour:
a) For any three hours of the day if the intersection is a secondary intersection, or
b) For any six hours of the day if the intersection is on an arterial road.

5.   Combination Warrant

The intersection satisfies any combination of Warrant 2, 3, 4 which are met to the extent of 80% of the stated values.

All those intersections that warrant an all way stop condition will require a report to Council for approval. For those intersections that have been considered and do not meet the warrant, a letter will be sent out to the requesting parties.

Topical Index	Physical Services
Policy Number	2007-03
Short Title	All Way Stop Installation Warrant Policy
SMT Approval Date	
Council in Committee	August 27, 2007 Recommendations 10 and 11
Council Approval Date	September 4, 2007 Resolution 877-07
Originating Department	PS-EI-06-2007
Revisions	