

**CITY OF ROCHESTER HILLS
DEPARTMENT OF PUBLIC SERVICES**

November 20, 2012

**TRAFFIC CONTROL
Quail Ridge Subdivision
Intersection Glengrove Drive & Quail Ridge Circle
(Section 19)**

Background

A traffic study was recently performed on August 6, 2012 for Glengrove Drive at its westerly & easterly intersections with Quail Ridge Circle (Quail Ridge Subdivision). This study was initiated by a request from the Quail Ridge Homeowners Association (HOA) Traffic Information Survey dated July 11, 2012. The Quail Ridge HOA had concerns pertaining residential speeding on Quail Ridge Circle and also requested that a stop sign be installed Glengrove Drive at it's east intersection.

The above intersections were reviewed to determine if a change in the type of regulatory traffic control was warranted as established by Michigan Manual Uniform Traffic Control Devices (M.M.U.T.C.D). The existing traffic control order requires that Glenrove Drive yields for Quail Ridge Circle.

A traffic study was completed and reviewed the intersections safe approach speeds, sight distances and safe stopping distances. From our review we found the available sight distances to be adequate with no restrictions at any of the intersection quadrants for the easterly intersection. However, the sight distance for the westerly intersection was adversely impacted and reduced to 137' northerly (horizontal curve) & 185' southerly (spruce tree branches). We also reviewed the past three (3) years of traffic crash data (2009-2011) and found no traffic crashes recorded for either intersection.

Based upon the above study and available safe sight distance the following regulatory traffic control device (stop/yield sign) is recommended. **Glengrove Drive STOP for Quail Ridge Circle (at their westerly intersection).**

Action Requested

Request the Advisory Traffic and Safety Board (ATSB) to support having TCO **SS- 145 -12 &** issued and rescinds **YS-55.4** that the ATSB recommend that the City Council approves the TCO's until rescinded or superseded.

**Marc G. Matich
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