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**MEMORANDUM**

To: Robert Kosin  
Village of Barrington Hills

From: Daniel J. Strahan  
Gewalt Hamilton Associates

Date: May 18, 2012

Re: Old Dundee Road  
Traffic Count Information

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Per your request I have reviewed the historical traffic count information for Old Dundee Road and compared the results with recent traffic counts taken on Old Dundee Road.

A traffic count was conducted in May of 2012 that found an average daily traffic (ADT) of 350 trips west of Hawley Woods Road. As there is no outlet west of Hawley Woods Road, it is reasonable to expect that this number of trips was generated entirely by the residential properties located between Hawley Woods Road and the dead end. Based on the 2011 aerial photo there were 25 developed residential properties on Old Dundee Road west of Hawley Woods Road, including developed lots on Jennifer Court.

Section 6-4-3 of the Village Subdivision ordinance notes that for purposes of road design the assigned traffic loading is 16 trips per lot. Based on the number of residential properties currently occupied along Old Dundee Road and applying the criteria of the Village Code, the expected ADT for residential use would be 400 trips. The actual count of 350 trips represents a slightly lower volume (14 trips per lot) than the figure noted in the residential settings.

Similar calculations have been prepared previously, utilizing 2001 and 2007 traffic counts on Old Dundee Road. A summary is included below:

	<b>ADT</b>	<b># Residential Homes</b>	<b>Expected ADT (Based on 16 trips/lot)</b>	<b>Surplus Trip Generation (Equivalent Additional Lots)</b>
<b>2001</b>	300	18	288	1
<b>2007</b>	430	23	368	4
<b>2012</b>	350	25	400	-