



May 22, 2014

Jeff Gonzalez, P.E.  
Hatton Godat Pantier  
3910 Martin Way E  
Olympia, WA 98506

Subject: Oak Springs Speed Study

Dear Mr. Gonzalez:

At the direction of Thurston County, we have conducted a speed study in the existing plat lying north of the Oak Springs project in order to determine the current typical speeds along roadways serving this residential neighborhood. The study consisted of eight locations throughout the project that were determined in conjunction with Mr. Arthur Saint of Thurston County Public Works. The locations were reviewed for a calendar week and the study took into account both travel directions. The speed limit for the area is set by a speed limit sign which posts the area at 25 MPH.

The information was gathered using typical speed study equipment used in the industry, consisting of tube counters installed such that speeds could be established as vehicles traveled over the tubes.

A map showing the locations of the speed equipment is attached. The information gathered at each location in both directions is also attached and is identified by the number at the location. Typically the 85th percentile is representative by the traffic engineering industry as the threshold at which the typical driver operates from a speed standpoint on a given road. The remaining 15 percent of the drivers who are traveling above the 85th percentile are deemed to be operating outside the perceived speeds that a typical driver finds safe.

The following table reflects what the 85th percentile speed is at each location and in each direction. The speed shown represents the entire week and is therefore a very extensive sample of the speed of traffic using the development's roads.

	Total Sample	85th % Speed
Location 1		
Eastbound	3028	23 mph
Westbound	3035	25 mph
Location 2		
Eastbound	1662	24 mph
Westbound	1499	25 mph
Location 3		
<b>Eastbound</b>	<b>1004</b>	<b>27 mph</b>
<b>Westbound</b>	<b>881</b>	<b>27 mph</b>
Location 4		
<b>Eastbound</b>	<b>705</b>	<b>26 mph</b>
Westbound	653	24 mph
Location 5		
Northbound	272	16 mph
Southbound	406	16 mph
Location 6		
Eastbound	291	18 mph
Westbound	362	19 mph
Location 7		
Eastbound	354	22 mph
Westbound	493	23 mph
Location 8		
Eastbound	378	24 mph
Westbound	588	23 mph

The speed study indicates that drivers in the area are generally operating close to the speed limit with Location 3 and Location 4 with the 85 percentile slightly higher than the 25 mph. The higher speeds, if perceived as needing to be solved, could be ameliorated by increasing enforcement.

I hope this letter answers the comments sufficiently. Please call if you have any further questions.

Sincerely,



Gregary B. Heath, P.E.

