



WORTHINGTON DIVISION OF POLICE

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To: Members of Council, Village of Riverlea

April 22, 2010

I wanted to provide some clarification about a Stealthstat report that was completed on W South St. and specifically address the traffic count that was part of the report.

In March of this year I received a request for a Stealthstat report for W South St west of Evening Street. I did not have a report in file so I placed the Stealthstat computer on W South St. at Weatherburn Place. The Stealthstat computer was set up to clock traffic eastbound (receding) and west bound (approaching) traffic.

The computers main function is to determine traffic speed and identify problem areas. The computer also tallies a vehicle count. When the Stealthstat computer was developed it was mainly meant for use on unimpeded roadways. If it is used on roadways with stop signs and driveway entrances it will provide erroneous traffic counts due to the stop and go movement of the vehicles.

The traffic count is tallied based on a Doppler Shift of the radar unit. Due to the layout of the roadway the unit will pick up traffic entering W South Street as far away as High street. For example, a vehicle enters W. South St. from High St. and proceeds westbound the unit tallies one vehicle, as the vehicle stops at Oxford and then continues west it tallies a second vehicle, then as it stops at evening and proceeds west it tallies a third vehicle. As you can see this single vehicle was counted 3 times.

The main focus of the Stealthstat is that the average speed of the vehicles tracked was 20.10 miles per hour for east and west bound traffic.

I also reviewed traffic crashes on W South St and located 16 crashes since July of 2003. Four of those occurred west of Evening Street.

The Division of Police is committed to providing safe routes to school for our children and I am exploring our participation in The National Highway Traffic Safety Administrations Safe Routes to School Program.

If I can be of further assistance please contact me at you convenience.

Sincerely,

Lt. James R. Mosaic

