

**City of Rochester Hills  
Ten Point Drive crosswalk north of Stag Ridge Drive  
School Parking/Drop off/Pick up Study Summary  
University Hills Elementary School**

Dates of Study: 9/12 and 9/13/2017 (Tuesday and Wednesday)  
Weather: Clear, Dry, Temperatures in the 70's  
Conducted by: Barbara Smith and Jenny McGuckin  
(Compiled data and photos on attached sheets)

Background: This study was conducted at the request of a member of the University Hills Subdivision Homeowners Association. The request was made due to the traffic congestion caused by cars parked on both sides of the street when dropping off and picking up students. They felt that it was creating a traffic safety hazard and suggested parking be prohibited on one side of the street(s).

Procedure: The study was planned for a length of three days but after two days of observation it was decided that a third day would not be necessary. The weather on the days of observation was clear and mild, a great day to be outdoors. There were two observers, each parked facing the crosswalk about 200' north and south of it. During the morning sessions the number of students dropped off and the number that walked was monitored. It was not feasible to do this for the afternoon sessions.

**Summary**

AM Dropoffs: Most of the students were simply dropped off and then the vehicle moved on, but on both days there were at 3 to 4 incidences where the driver parked, got out and either helped students get out, which took just a couple of minutes, or walked the students all the way to the school, in which case they were parked for 5 minutes or more. By about 8:00 AM there were vehicles parked in a row on the west side of Ten Point Drive starting immediately at the crosswalk. With these cars parked on the west side of the street whenever a car dropped off a student on the east side this vehicle was immediately across from a parked vehicle, forcing any moving traffic, such as other residents leaving for work, to have to maneuver between them while watching for students crossing to get to the pathway to school.

It was also noted that on both sides of Ten Point Drive drivers dropping students off, and those that parked on the west side, stopped right at or encroaching into the crosswalk, heedless to the signs posted on each side of the street in front of the crosswalk (see attached Photo Sheet #1). *On the second day, when the first vehicle in this line pulled away another vehicle was so anxious about getting that spot that they clipped the next vehicle in the line while pulling in.*

PM Pickups: Vehicles started parking around 2:40, though on Tuesday one car was already parked at 2:30 when the study began. By the time students were dismissed there were as many as 17 vehicles parked along Ten Point and Stag Ridge Drives, again with some ignoring the posted signs and parking right at the crosswalk. By 3:00 PM on both days there were vehicles parked on across from each other on both Ten Point and Stag Ridge Drives. During both of these afternoon sessions moving vehicles had a hard time travelling. A postal vehicle had to circle around twice to complete deliveries. Some vehicles had to move and re-park in order to allow garbage trucks to get through to make their collections. Fortunately, these occurred before student dismissal.

It is at the time of dismissal that these vehicles being parked across from each other creates the greatest problem. At this point you have students on bicycles flying by, car doors being pulled wide

open, students running and parents walking, sometimes 3 and 4 abreast, in all different directions, and vehicles trying to pull out. Because there are no sidewalks all of these moving entities have to use the roadway. And with vehicles parked across from each other the roadway they must use is narrowed down to the width of, at best, about 15', which doesn't leave much room for error. On Wednesday, even after much of the traffic and many of the students had dispersed a school bus arrived driving north on Ten Point. It had to sit for several minutes south of the Stag Ridge intersection to allow students and parents not paying attention to get into their vehicles and close their doors before there was enough room for it to pass.

Recommendation: Based on the two days of observation it would be recommended that parking, stopping or standing be prohibited on the east side of Ten Point Drive for 300' north and south of the centerline of Stag Ridge Drive, and on the north side of Stag Ridge Drive for 200' east of the centerline of Ten Point Drive. These restrictions could be set for school days only and at certain times if so preferred. However, it should be noted that based on the disregard shown by drivers for the current posted regulations these new restrictions will need to be strictly enforced for them to be the least bit effective.

Tuesday, September 12, 2017

Start time: 7:30 AM  
7:51 AM 2 vehicles, 1 NB 1 SB, each stops just before crosswalk, drop off 1 child each  
7:54 AM 1 SB vehicle, drops off 3 children  
7:55 AM 1 SB vehicle, drops off 1 child  
7:58 AM 4 walkers  
7:59 AM 1 SB vehicle, parks 1 car length north of crosswalk, get out to help 2 children  
1 vehicle, SB, parks behind first car, gets out, walks 1 child up to school  
5 walkers  
1 vehicle, SB parks in front of 1st vehicle, encroaching into crosswalk, gets out, walks  
2 children up to school  
8:00 AM 2 vehicles, 1 NB 1 SB, NB stops just north of crosswalk, drops of 1 child, SB stops  
just beyond crosswalk, drops off 1 child  
4 walkers  
8:03 AM 1 vehicle parked at 7:59 AM **leaves**  
2 SB vehicles, 1 stops behind parked vehicle, drops off 1 child, 1 stops south of  
crosswalk, drops off 2 children  
2 NB vehicles, 1 just north of crosswalk, 1 south of crosswalk, drop off 1 child each  
**(at this point there are vehicles across from each other whenever a NB vehicle stops  
north of the crosswalk)**  
8:05 AM 2nd vehicle parked at 7:59 AM **leaves**, still one parked encroaching into crosswalk  
3 walkers  
8:06 AM 1 NB vehicle parks on east side of Ten Point, south of Stag Ridge, walks 1 child to  
school  
4 walkers  
8:07 AM 1 vehicle WB, stopped on Stag Ridge at NE corner, drops off 1 child  
2 walkers  
8:10 AM 1 NB vehicle, stopped just north of crosswalk, dropped off 1 child  
**Vehicles: 9 SB 5 NB 1 WB 21 Children dropped off 22 Children walkers**

Start time: 2:30 PM 1 SB vehicle already parked just north of crosswalk  
2:54 PM 2 vehicles, 1 EB parks on Stag Ridge at SE corner, 1 NB parks just north of sign at  
crosswalk  
**(at this point there are vehicles parked across from each other north of the  
crosswalk)**  
2:55 PM 1 SB vehicle, parks at Stag Ridge intersection  
2:57 PM 1 SB vehicle, parks 1 house north of crosswalk  
2:58 PM 1 SB vehicle, parks 2 houses south of Stag Ridge  
2:59 PM 2 vehicles, 1 SB parks 2 houses south of Stag Ridge, 1 WB parks on Stag Ridge at NE  
corner  
**(at this point there are vehicles parked across from each other on Stag Ridge)**  
3:02 PM 1 SB vehicle, parks 1 house south of Stag Ridge  
3:04 PM 4 vehicles, 1 NB parks just south of Stag Ridge, 1 SB parks 3 houses south of Stag  
Ridge, 1 SB parks 2 houses north of crosswalk, 1 EB parks on Stag Ridge 2 houses  
east of Ten Point  
3:06 PM 1 NB vehicle, parks in front of vehicle just north of crosswalk  
3:10 PM 1 WB vehicle, parks behind vehicle at NE corner  
3:11 PM 3 vehicles, 1 EB parks as 3rd in line from SE corner of Stag Ridge, 1 WB parks as the  
3rd in line from the NE corner of Stag Ridge, 1 NB parks south of drive of house at  
corner of SE intersection  
3:13 PM 1 SB vehicle, turns on to Stag Ridge, turns around, parks 2 houses east of Ten Point  
3:14 PM Children start coming out and all chaos erupts with car doors opening, children,  
parents, and bicycles moving in all directions in the roadway where vehicles are trying  
to maneuver between cars parked on both side of the street in the same area  
**Vehicles: 8 SB 3 NB 3 WB 3 EB**

Wednesday, September 13, 2017

Start time: 7:30 AM  
7:51 AM 2 NB vehicles, stop in line just before crosswalk, drop off 1 child each  
7:54 AM 1 SB vehicle, drops off 1 children just before crosswalk  
7:55 AM 1 SB vehicle, drops off 1 child  
7:58 AM 3 walkers  
7:59 AM 2 SB vehicles, each drops off 1 child, 1 north and 1 south of crosswalk  
4 walkers  
8:00 AM 2 SB vehicles, 1 stops just north of crosswalk, drops of 1 child, 1 pulls into driveway,  
drops off 1 child  
3 walkers  
8:01 AM 2 SB vehicles, 1 drops off 1 child south of crosswalk, 1 parks north of crosswalk,  
walks 1 child up to school  
**(at this point there are vehicles across from each other whenever a NB vehicle stops  
north of the crosswalk)**  
8:03 AM 2 SB vehicles, 1 parks as 2nd vehicle north of crosswalk, walks 1 child up to school,  
1 drops off 1 child south of crosswalk  
8:05 AM 1 SB vehicle, parks as 3rd vehicle in line north of crosswalk, walks 1 child up to  
school  
6 walkers  
8:06 AM 1st parked vehicle **leaves**, driver of 2nd vehicle gets into car  
8:06 AM 1 SB vehicle, quickly pulls up and into space left by 1st vehicle and **clips the 2nd  
parked vehicle** in the process, gets out and speaks with other driver who is now out  
of vehicle, exchange information, driver of 2nd parked car leaves and other driver  
then walks 1 child up to the school  
4 walkers  
8:07 AM 2 vehicles WB, stop in line on Stag Ridge at NE corner, each drops off 1 child  
2 walkers  
8:10 AM 1 SB vehicle, stops just north of crosswalk, dropped off 1 child

**Vehicles: 13 SB 2 NB 2 WB 17 Children dropped off 22 Children walkers**

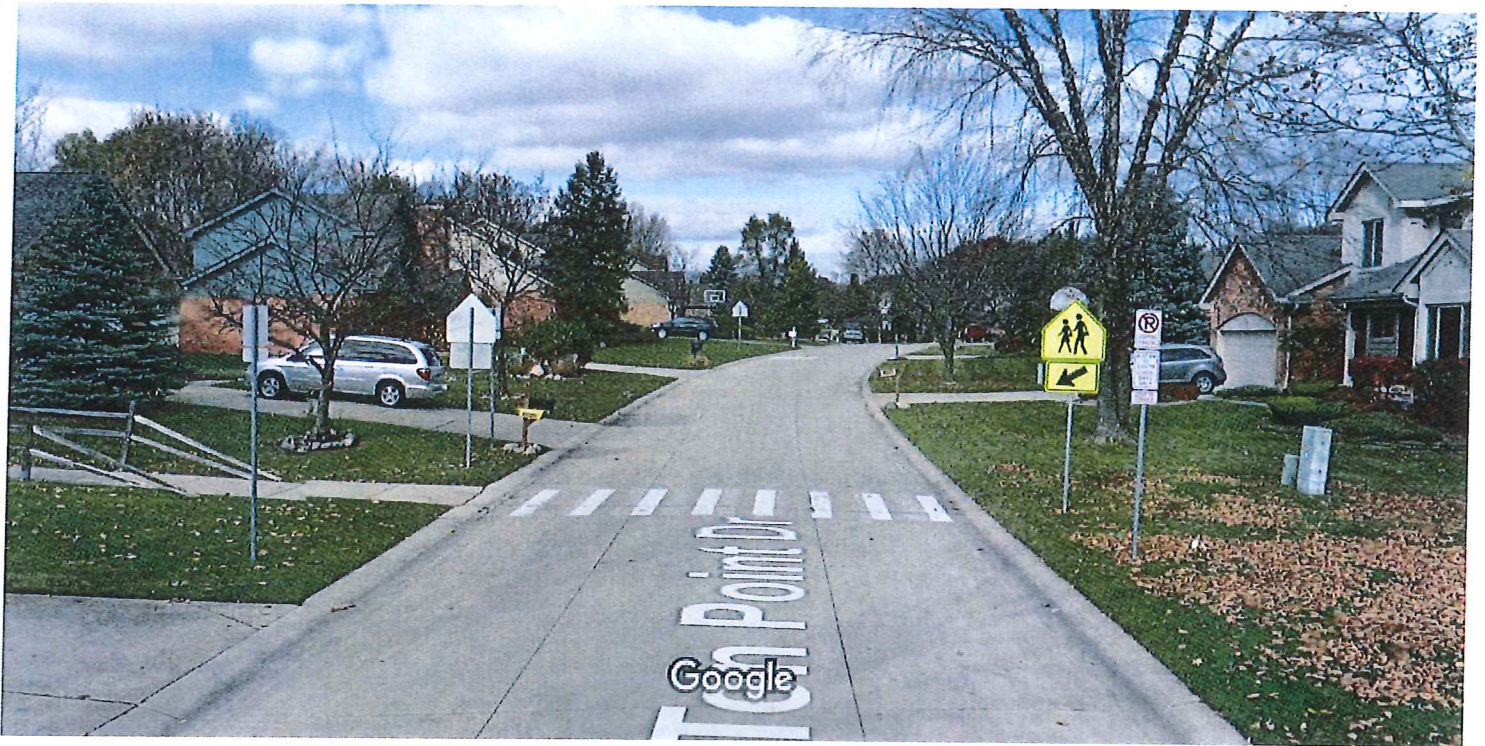
Start time: 2:30 PM  
2:42 PM 1 SB vehicle, parks just north of crosswalk  
2:53 PM 1 SB vehicle, starts as NB vehicle, turns around, parks 2 houses north of crosswalk  
2:54 PM 1 SB vehicle, parks 1 house south of Stag Ridge  
2:59 PM 2 vehicles, 1 SB parked 2 houses south of Stag Ridge, 1 WB parks on Stag Ridge at  
NE corner  
3:02 PM 1 EB vehicle, starts as NB vehicle, turns east on Stag Ridge, parks at SE corner  
**(at this point there are vehicles parked across from each other on Stag Ridge)**  
3:04 PM 1 NB vehicle, parks north of crosswalk,  
**(at this point there are vehicles parked across from each other north of the  
crosswalk)**  
3:06 PM 1 SB vehicle, starts as EB vehicle, turns south on Ten Point, parks 1 house south of  
intersection  
3:07 PM 1 SB vehicle, parks 3 houses north of crosswalk  
3:09 PM 1 NB vehicle, parks on Ten Point at SE corner  
3:10 PM 1 EB vehicle, starts as NB vehicle, turns on to Stag Ridge, parks at SE corner  
3:12 PM 1 SB vehicle, parks as 3rd vehicle north of crosswalk  
3:13 PM 1 EB vehicle, starts as SB vehicle, turns on to Stag Ridge, parks 2 houses from corner  
3:14 PM Children start coming out and the chaos of the day before ensues, although it does  
not seem quite as frantic as on Tuesday.

**Vehicles: 7 SB 2 NB 1 WB 3 EB**



Photo Sheet #1

Ten Point Drive - facing north - Signs and Plaque read: No Parking, Stopping, Standing 8:00 AM to 5:00 PM School Days Only Here to Corner



Ten Point Drive - facing south - Sign and plaque read: No Parking, Stopping, Standing Between Signs





Photo Sheet #2 - AM

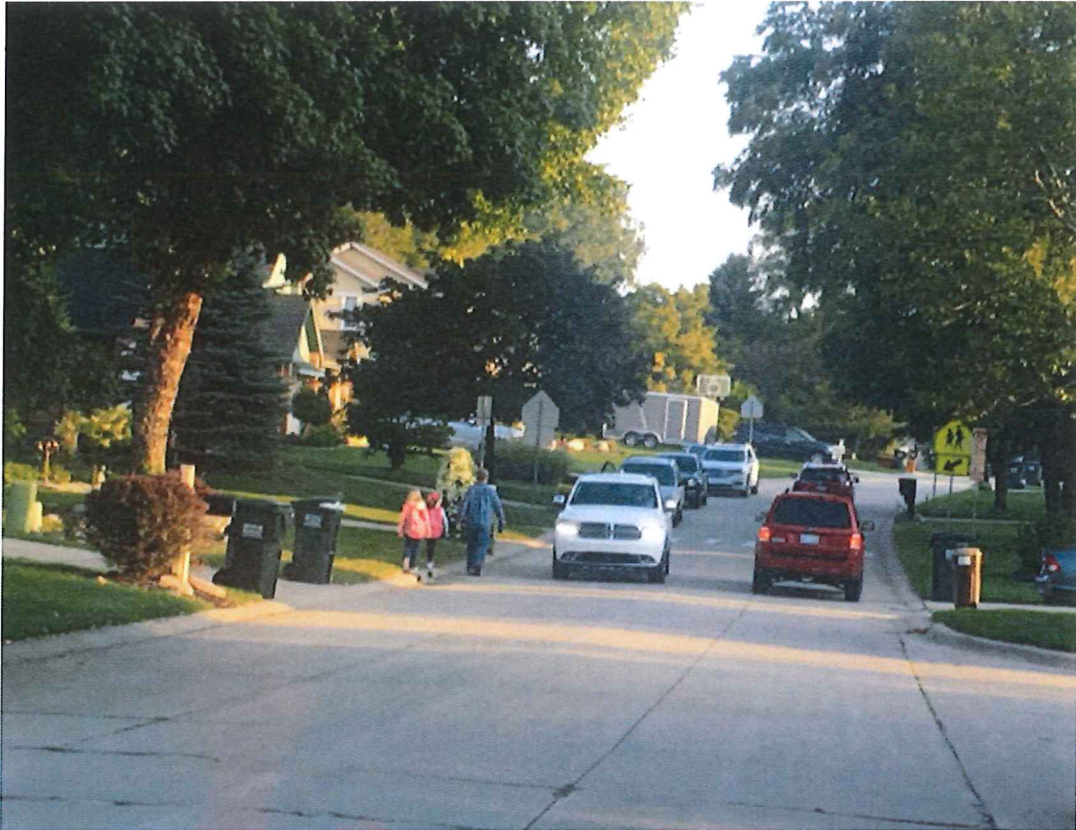




Photo Sheet #3 - AM





Photo Sheet #4 - PM

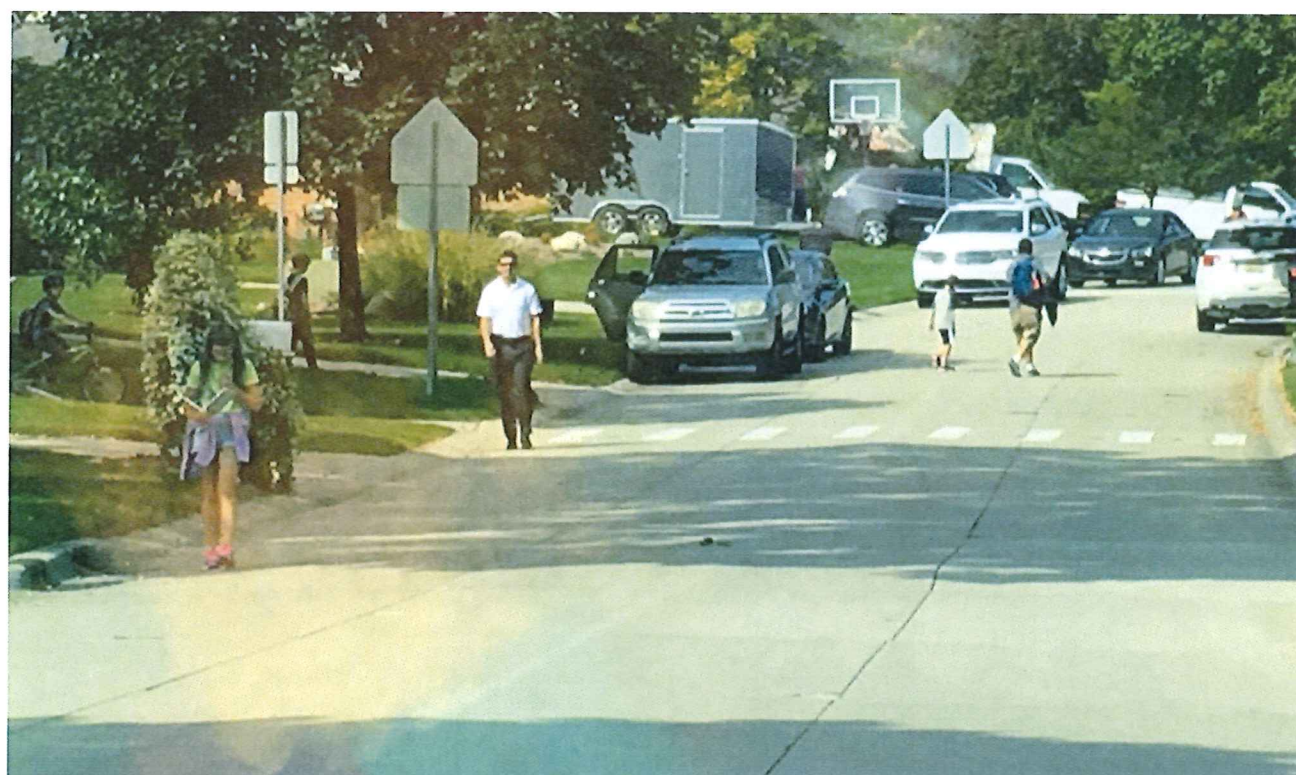




Photo Sheet #5 - PM

