



TO: Whitney Baxter, 9th District Council Member

FROM: Roger T. Mulvaney, PE, PTOE Traffic Engineer Manager

DATE: June 25, 2026

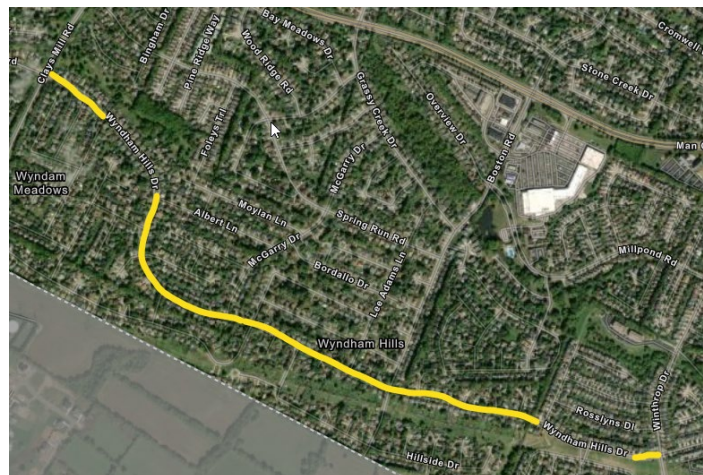
SUBJECT: **Traffic Study on Wyndham Hills Drive**

Per a request from a citizen along Wyndham Hills Drive, the Division of Traffic Engineering conducted a traffic study on Wyndham Hills Drive between Clays Mill Road and Winthrop Drive to determine if traffic calming and/or a speed reduction is warranted on this street

Summary

In Summary, due to the traffic operations and the recorded 85th percentile speeds, Traffic Engineering recommends lowering the speed limit to 30 mph on Wyndham Hills Drive between Clays Mill Road and Winthrop Drive.

The supporting analysis for this recommendation is detailed in the following pages. The study looked at the volume and speed of vehicles utilizing the street for a 168-hour period. Volume and speed data were collected at fourteen locations on Wyndham Hills Drive between Clays Mill Road and Winthrop Drive.



Aerial of Wyndham Hills Drive, study areas and surrounding areas



The Federal Highway Administration's Manual on Uniform Traffic Control Devices (MUTCD) Section 2B.21 addresses speed limits by stating"

Speed zones (other than statutory speed limits) shall only be established on the basis of an engineering study that has been performed in accordance with traffic engineering practices. The engineering study shall consider the roadway context.

Among the factors that should be considered when conducting an engineering study for establishing or reevaluating speed limits within speed zones are the following:

- A. Roadway environment (such as roadside development, number and frequency of driveways and access points, and land use), functional classification, public transit volume and location or frequency of stops, parking practices, and pedestrian and bicycle facilities and activity;
- B. Roadway characteristics (such as lane widths, shoulder condition, grade, alignment, median type, and sight distance);
- C. Geographic context (such as an urban district, rural town center, non-urbanized rural area, or suburban area), and multi-modal trip generation;
- D. Reported crash experience for at least a 12-month period;
- E. Speed distribution of free-flowing vehicles including the pace, median (50th-percentile), and 85th-percentile speeds; and
- F. A review of past speed studies to identify any trends in operating speeds.

Traffic Study

The findings of the speed analysis on Wyndham Hills Drive are as follows:

- A. Wyndham Hills Drive is classified as a residential collector street. On street parking is permitted but most parcels that are adjacent to Wyndham Hills Drive include driveways. While the street consists of single-family residential homes, the lot sizes are moderately sized. There is low to moderate pedestrian and bicycle use on this road typical for a suburban application.
- B. The posted speed limit on Wyndham Hills Drive is 35 mph. Wyndham Hills Drive is briefly bifurcated and has two 22 foot wide lanes with a 13 foot median near Clays Mill Road. Thereafter the road gradually narrows down to 40 foot wide road without a median. Utility strips, sidewalks and streetlights are present on the entire length of Wyndham Hills Drive.
- C. Wyndham Hills Drive is collector in a suburban section of Lexington in the 9th Council District.



- D. A review of the collision history of this roadway per crashinformationky.org registered nineteen (19) recorded collision in the study area during the three (3) years prior to this analysis. Of the nineteen total crashes, at least six (6) involved parked vehicles with 2 injury collisions.

Collision Type	No of Collisions	No of Injury
Angle	5	0
Single Vehicle	3	2
Sideswipe-Opposite Direction	1	0
Sideswipe-Same Direction	2	0
Backing	1	0
Opposing Left Turn	1	0

- E. The following table is a summary of the data collected along Wyndham Hills Drive.

Segments of Wyndham Hills Dr	Avg. Speed (mph)	Speed Limit (mph)	% over Speed Limit	85 th PCTL Speed (mph)	Peak Hour Vol. (veh)		Avg. Daily Traffic Vol. (veh)	
761 EB Wyndham Hills Dr	30.75	35	16.40%	35	162	304	1,027	2,167
761 WB Wyndham Hills Dr	32.14	35	22.00%	36	142		1,140	
810 EB Wyndham Hills Dr	34.98	35	48.60%	40	200	352	1,197	2,493
810 WB Wyndham Hills Dr	32.82	35	30.90%	38	152		1,296	
850 EB Wyndham Hills Dr	32.83	35	28.70%	38	201	358	1,207	2,492
850 WB Wyndham Hills Dr	32.90	35	29.20%	38	157		1,285	
882 EB Wyndham Hills Dr	27.70	35	1.80%	31	194	367	1,216	2,576
882 WB Wyndham Hills Dr	28.98	35	5.30%	33	173		1,360	
913 EB Wyndham Hills Dr	32.14	35	23.50%	37	155	314	1,097	2,389
913 WB Wyndham Hills Dr	31.21	35	15.80%	36	159		1,292	
949 EB Wyndham Hills Dr	35.39	35	54.00%	41	152	310	1,093	2,329
949 WB Wyndham Hills Dr	34.48	35	44.20%	40	158		1,236	
989 EB Wyndham Hills Dr	33.14	35	39.60%	39	152	297	1,033	2,210
989 WB Wyndham Hills Dr	34.13	35	42.70%	39	145		1,177	
1033 EB Wyndham Hills Dr	33.29	35	33.20%	38	164	317	1,038	2,294
1033 WB Wyndham Hills Dr	33.12	35	29.80%	38	153		1,256	
1073 EB Wyndham Hills Dr	31.01	35	14.40%	35	158	296	973	2,145
1073 WB Wyndham Hills Dr	31.20	35	17.10%	36	138		1,172	
1117 EB Wyndham Hills Dr	30.55	35	10.90%	35	172	328	1,066	2,356
1117 WB Wyndham Hills Dr	29.95	35	9.00%	34	156		1,290	
1145 EB Wyndham Hills Dr	35.31	35	51.80%	40	196	363	1,183	2,517
1145 WB Wyndham Hills Dr	36.09	35	59.10%	41	167		1,334	
1189 EB Wyndham Hills Dr	31.39	35	17.50%	36	199	396	1,160	2,677
1189 WB Wyndham Hills Dr	32.17	35	30.10%	38	197		1,517	
Corner with Winthrop	29.47	35	9.20%	34	142	281	916	1,904
Corner with Winthrop	28.19	35	2.50%	32	139		988	



The 85th percentile speed along Wyndham Hills Drive was found to be in the range of 41 mph in the eastbound direction at 949 Wyndham Hills Drive to 31 mph in the eastbound direction at 882 Wyndham Hills Drive. The 85th percentile speed, or the speed at which 85% of the vehicles are traveling at or below, is based on the theory that a large majority of drivers are reasonable and prudent, do not want to have a crash, and want to reach their destination in the shortest amount of time possible. The average speeds were 27 to 37 mph range.

Traffic Engineering used this data to determine the recommended speed limit for this roadway using the Federal Highway Administrations. Using site characteristics, including roadway geometric conditions, traffic volumes and speeds, and recorded crash information, the recommended speed limit for this street is 30 mph.

Emergency Services Review

The Division of Traffic Engineering coordinated with representatives from the Division of Police and Division of Fire and Emergency Services to obtain input regarding traffic and safety operations of Wyndham Hills Drive.

- The Division of Police has reviewed this document and has no objections to the recommendations in this report.
- This office has no objection to the recommendation of decreasing the speed limit to 30mph.

Recommendation

In Summary, due to the traffic operations and the recorded 85th percentile speeds, Traffic Engineering recommends lowering the speed limit to 30 mph on Wyndham Hills Drive between Clays Mill Rd and Winthrop Drive.

Should you have any questions about the information included in this report, please contact Roger Mulvaney in the Division of Traffic Engineering at (859) 258-3830 or rmulvaney@lexingtonky.gov.

RTM/de

cc: Chris Cantrell, Citizen
 Charlie Martin, PE, Acting Commissioner of Environmental Quality & Public Works
 Jeffery Neal, PE, Director of Traffic Engineering
 Jim Woods, PE, PLS, Deputy Director of Traffic Engineering
 Christopher Van Brackel, Lieutenant, Division of Police
 Brian Morgan, Lieutenant, Fire & Emergency Services
 Elizabeth Withers, Legislative Aide to CM Whitney Baxter

