




TO: Shayla Lynch, 2<sup>nd</sup> District Council Member

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

DATE: November 25, 2025

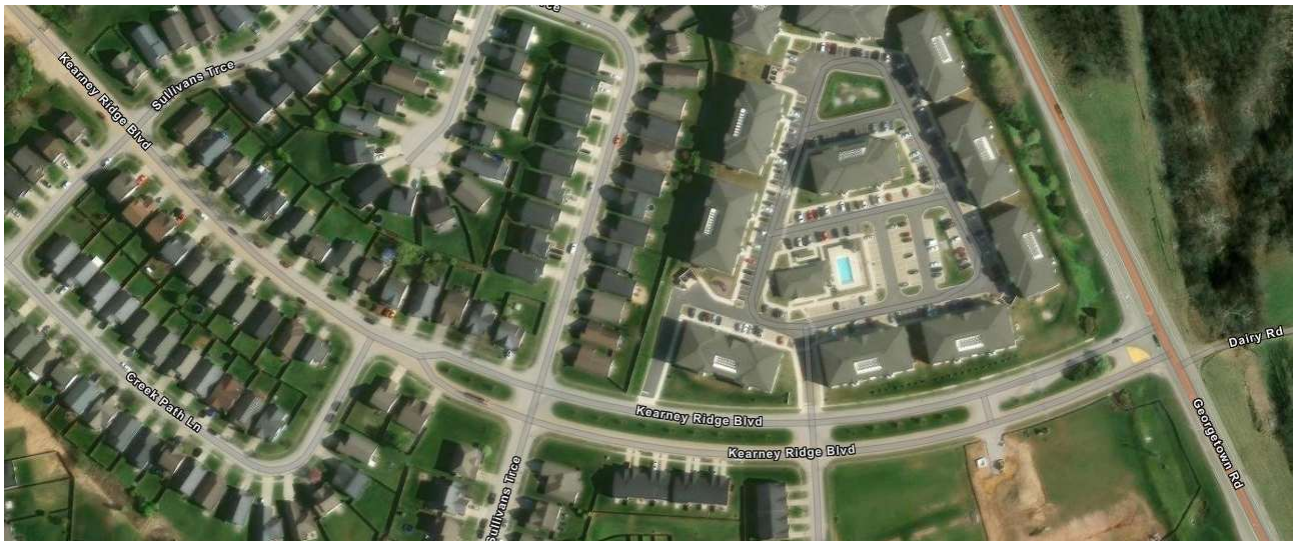
**SUBJECT: Speed Study on Kearney Ridge Blvd**

Per a traffic engineering observation, a study was completed on Kearney Ridge Blvd to determine if a speed reduction is warranted on this street.

**Summary**

In Summary, due to the traffic operations and the recorded 85<sup>th</sup> percentile speeds, **Traffic Engineering recommends lowering the speed limit to 30 mph on Kearney Ridge Blvd from Georgetown Road to the end of the street. In addition to lowering the speed limit on Kearney Ridge Boulevard, Traffic Engineering will install white edgelines to create a visually narrower lane width to assist with lowering driver’s speeds on this street.**

The supporting analysis for this recommendation is detailed in the following pages.



*Aerial of Kearney Ridge Blvd, study areas and surrounding areas*



The study looked at the volume and speed of vehicles utilizing the street for a 72-hour period. Volume and speed data were collected at two locations on Kearney Ridge Blvd. This first location is between Georgetown Road and Sullivans Trace, second one is between Sullivans Trace and Sullivans Trace.

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 85<sup>th</sup>-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 Kearney Ridge Blvd are as follows:

- A. Kearney Ridge Blvd is classified as a residential collector street. On street parking is permitted but most parcels that are adjacent to Kearney Ridge Blvd include driveways. While the street consists of single-family residential homes and multifamily apartments, the lot sizes 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 Kearney Ridge Blvd is 35 mph. Kearney Ridge Blvd is bifurcated and has two 22 foot wide lanes with a 30 foot median between Georgetown Road and Sullivan Trace. Thereafter the road gradually narrows down to 38 feet. Utility strips, sidewalks and streetlights are present on the entire length of Kearney Ridge Blvd.
- C. Kearney Ridge Blvd is collector in a suburban section of Lexington in the 2<sup>nd</sup> Council District.



D. A review of the collision history of this roadway per [crashinformationky.org](http://crashinformationky.org) registered four (4) recorded collision in the study area during the five (5) years prior to this analysis.

Collision Type	No of Collisions
Sideswipe- Same Direction	2
Single Vehicle	1
Rear End	1

E. The following table is a summary of the data collected along Kearney Ridge Blvd.

F. Segments of Kearney Ridge Blvd	Avg. Speed (mph)	Speed Limit (mph)	% over Speed Limit	85 <sup>th</sup> PCTL Speed (mph)	Peak Hour Vol. (veh)	Avg. Daily Traffic Vol. (veh)	
2636 WB Kearney Ridge Blvd	25.56	35	3.70%	31	49	235	516
2636 EB Kearney Ridge Blvd	25.15	35	3.30%	31	39	281	
2559 WB Kearney Ridge Blvd Entering	23.78	35	1.30%	29	11	32	2,072
2559 EB Kearney Ridge Blvd Exiting	28.17	35	9.20%	34	208	2,040	

The 85<sup>th</sup> percentile speed along Kearney Ridge Blvd were found to be in the range of 31 mph in the westbound direction at 2636 Kearney Ridge Blvd to 34 mph in the eastbound direction at 2559 Kearney Ridge Blvd. The 85<sup>th</sup> 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 23 to 28 mph range.

### **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 Kearney Ridge Blvd.

- The Division of Police has reviewed this document and has no objections to the recommendations in this report.
- The Division of Fire and Emergency Services has reviewed this document and has no objections to the recommendations in this report.



## **Recommendation**

**In conclusion, due to the roadway characteristics and 85<sup>th</sup> percentile speeds, Traffic Engineering recommends lowering the speed limit to 30mph on Kearney Ridge Blvd from Georgetown Road to the end of the street. In addition to lowering the speed limit on Kearney Ridge Boulevard, Traffic Engineering will install white edgelines to create a visually narrower lane width to assist with lowering driver's speeds on this street.**

Should you have any questions about the information included in this report, please contact Roger Mulvaney in the Division of Traffic Engineering at (859) 258-3480 or [rmulvaney@lexingtonky.gov](mailto:rmulvaney@lexingtonky.gov).

RTM/de

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