

November 1, 2019

Mr. Chase Timm  
ctimm@lanesend.com

Dear Mr. Timm,

Per your request, a study was completed on Blue Ash Drive between Harrodsburg Road and Clays Mill Road to determine if traffic calming measures are warranted on this local residential street. The study gathered data and reviewed the volume and speed of vehicles utilizing the street. Volume and speed data were collected at one location on Blue Ash Drive for a 96-hour period.

**In summary, the data collected for this study demonstrated that Blue Ash Drive qualifies for traffic calming per Neighborhood Traffic Management guidelines.** This evaluation is detailed in the following pages.



Aerial of Blue Ash Drive study area and surrounding area



## Traffic Study

Data revealed that the average daily traffic over this 4-day period was 1580 vehicles per day on Blue Ash Drive between Harrodsburg Road and Clays Mill Road. The 85<sup>th</sup> percentile speed of vehicles on Blue Ash Drive was 33.00 mph. In addition, it was documented that 74.76% to 78.10% of the vehicles traveling on Blue Ash Drive were traveling over the posted speed limit of 25 mph. The average speed of the vehicles on Blue Ash Drive was around 28.6 mph. The table below shows the data that was obtained over the study time period:

Location	Average Speed (mph)	Mode Speed (mph)	% over 25 mph	85 <sup>th</sup> Percentile Speed (mph)	Peak Hour Volume (vehicles)		Average Daily Traffic Volume (vehicles)	
EB Blue Ash Drive	28.80	25	78.10	33.00	134	207	1091	1580
WB Blue Ash Drive	28.45	25	74.76	33.00	73		489	

The traffic data collected and listed in the previous table for Blue Ash Drive between Harrodsburg Road and Clays Mill Road shows this street meets two of the four traffic calming warrants as prescribed by the NTMP manual.

A review of the collision history in the study area revealed one (1) collision in the past three years on Blue Ash Drive between Harrodsburg Road and Clays Mill Road. None of these collisions involved injuries or fatalities. The type of collisions recorded at this intersection was one (1) sideswipe-same direction collision.

The study area of Blue Ash Drive between Harrodsburg Road and Clays Mill Road has the following characteristics:

- Speed limit: 25 mph, signs posted both sides
- Width: 24 feet (typical)
- Utility Strips/Sidewalks: Present on both sides
- Street lighting: Present
- On-street parking: Not permitted Monday-Friday between 8:00 AM and 4:00 PM, both sides
- Pavement markings: Not present

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 Blue Ash Drive.

- The Division of Police has reviewed this document and has no additional comments.
- The Division of Fire is in opposition to any speed tables. Speed Tables would cause delay and add time to our response in the event of an emergency call. Also, speed tables can be the cause of unwanted fire apparatus damage, leading to repairs funded by tax dollars.



## **Recommendations**

As detailed in the *Neighborhood Traffic Management Program* (NTMP) manual, Blue Ash Drive meets the minimum criteria for mitigation actions along a residential local street based on the documented traffic volumes and speeds. The Minimum Vehicular Volume criterion that was met includes:

- A. Daily Traffic Volumes greater than or equal to 1,000 vehicles per day or Peak Hour Volumes greater than or equal to 100 vehicles per hour.
- B. Daily Traffic Volumes greater than or equal to 750 vehicles per day with at least 25 percent of vehicles traveling at speeds in excess of the posted speed limit, and where 10 percent of the vehicles traveling at speeds in excess of the posted speed limit by 10 mph or more.

**Based on the traffic data and current NTMP criteria, Blue Ash Drive meets the guidelines for Type 2 traffic calming devices.**



## Property Evaluation & Second Petition

At this point, the Division of Traffic Engineering will move forward with determining the average property value in the study area to determine the cost share amount for the installation of speed tables. A second petition will be sent from Traffic Engineering to the property owners explaining the results of this study and what the cost share would be to have traffic calming installed.

Traffic Engineering will remain in touch and let you know before the next letter is sent out.

If you have any questions, please contact me at (859) 258-3830 or via email at [rmulvaney@lexingtonky.gov](mailto:rmulvaney@lexingtonky.gov).

Sincerely,



Roger T. Mulvaney, PE, PTOE  
Traffic Engineer Manager  
Division of Traffic Engineering

RTM/gnf

cc: Jennifer Reynolds, 11<sup>th</sup> District Councilmember  
Nancy Albright, PE, Commissioner of Environmental Quality & Public Works  
Jeffery Neal, PE, Director of Traffic Engineering  
Jim Woods, PE, PLS, Deputy Director of Traffic Engineering  
Greg Lengal, Captain, Division of Fire & Emergency Services  
Tommy Perkins, Lieutenant, Division of Police  
Miguel Lucero, Legislative Aide to CM Reynolds

