



MEMORANDUM

To: Board of Public Safety

From: Rick Brown, Director of Public Works/City Engineer

Date: March 5, 2019

Re: Cut-Through Traffic on Old Eatherton Road (Route 109 to Shepard Road)

At the January meeting of the Board of Public Safety, the issue of speed and cut-through traffic on Old Eatherton Road was discussed. As was previously stated, some residents are concerned with the volume and speed of traffic using this section of road to access St. Alban Roe Church, as well as Lafayette High School. During the morning peak hours, southbound Route 109 traffic backs up at Shepard Road, which results in Old Eatherton Road becoming a more desirable route over Route 109 for parents driving students to St. Alban Roe Church, or some students headed to Lafayette High School. The problem occurs typically during the morning arrival period when St. Alban School or Lafayette High School is loading. It is expected that Old Eatherton Road is also heavily utilized by St. Alban Roe traffic during the afternoon and early evening hours for church and school activities. See **Exhibit 1** for map.

This section of Old Eatherton Road is narrow (16'-22'), is 0.6 miles in length, and the posted speed limit is 25 mph. The road lacks a continuous sidewalk but incorporates a section of the Wildwood Greenway trail. The lack of separate bike and pedestrian facilities contributes to concerns about speeding and cut-through traffic, as pedestrians don't feel safe utilizing the road.

Speed Study

Average Speed = 22 mph

50% Speed = 21 mph

85% Speed = 35 mph

(The 85% speed = the speed at which 85% of traffic is traveling at or below. Traffic engineers typically utilize the 85% speed to establish speed limits.)

Traffic Study

As was requested by the Board at the January 10, 2019 meeting, the Department completed a traffic study of Old Eatherton Road to determine the amount of traffic utilizing the road during the morning school arrival period or afternoon school dismissal period to avoid Route 109 and access St. Alban Roe Church or other destinations. Please note that the Department did not follow or track vehicles, so it is possible some motorists may have stopped at a destination along the way. This data has been provided as **Table 1**.

I will be available for questions regarding this information at the February 7, 2019, meeting of the Board of Public Safety.

RCB

Table 1

Old Eatherton Road Traffic Study

(Route 109 to Shepard Road)

Friday, February 1, 2019

Morning 7:15-8:30 AM					
<u>Direction</u>	<u>Traffic Count</u>	<u>Number of Cut Through</u>	<u>Percentage of Cut Through Traffic (%)</u>	<u>Percentage Cut Through to Route 109</u>	<u>Percentage Cut Through to St. Alban Roe</u>
Northbound	19	0	0	NA	NA
Southbound	32	14	43.8	12.5	31.3
Afternoon 2:30-3:30 PM					
<u>Direction</u>	<u>Traffic Count</u>	<u>Number of Cut Through</u>	<u>Percentage of Cut Through Traffic (%)</u>	<u>Percentage Cut Through to Route 109</u>	<u>Percentage Cut Through to St. Alban Roe</u>
Northbound	14	1	7.1	NA	NA
Southbound	18	4	22.2	11.1	11.1

Wednesday, February 6, 2019

Morning 7:15-8:30 AM					
<u>Direction</u>	<u>Traffic Count</u>	<u>Number of Cut Through</u>	<u>Percentage of Cut Through Traffic (%)</u>	<u>Percentage Cut Through to Route 109</u>	<u>Percentage Cut Through to St. Alban Roe</u>
Northbound	12	0	0	NA	NA
Southbound	44	13	29.5	4.5	25
Afternoon 2:30-3:30 PM					
<u>Direction</u>	<u>Traffic Count</u>	<u>Number of Cut Through</u>	<u>Percentage of Cut Through Traffic (%)</u>	<u>Percentage Cut Through to Route 109</u>	<u>Percentage Cut Through to St. Alban Roe</u>
Northbound	6	0	0	NA	NA
Southbound	11	3	27.3	18.2	9.1

Exhibit 1 – Old Eatherton Road

