



WILDWOOD

MEMO

To: Board of Public Safety

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

Date: September 11, 2019

Re: Proposed Tractor Trailer Restrictions on Pond Road and Smith School Road/Spur

The Department of Public Works has received requests to restrict truck traffic on both Pond Road between State Route 100 and Babler Park Drive, and Smith School Road/Spur between Babler Park Drive and Pond Road. The section of Pond Road is about 2.5 miles in length and is shown on **Exhibit 1**. The pavement width on Pond Road is about 16-18 feet with no shoulders. Smith School Road/Spur is 0.62 miles in length and varies from 12-18 feet in width with no shoulders (**Exhibit 2**). (If these roads were to be constructed as new roadways, current design guidelines would dictate that the pavement width be 22 feet minimum with 5-foot shoulders.)

This issue has been raised in large part due to the anticipated increase in the amount of traffic, particularly tractor trailers, using Pond Road and Smith School Road to avoid the current construction project taking place on Route 109 at Route 100. In addition, restrictions of this kind have also been approved through the Board of Public Safety on other roads in Wildwood. It should be noted that this request is not meant to apply to local traffic, or vehicles making local deliveries.

In response to this request, the Department completed classification counts on Pond Road and Smith School Road. Please see **Exhibit 3** for the location of the counts. Please see **Exhibit 4** for a summary of the data.

Exhibit 1

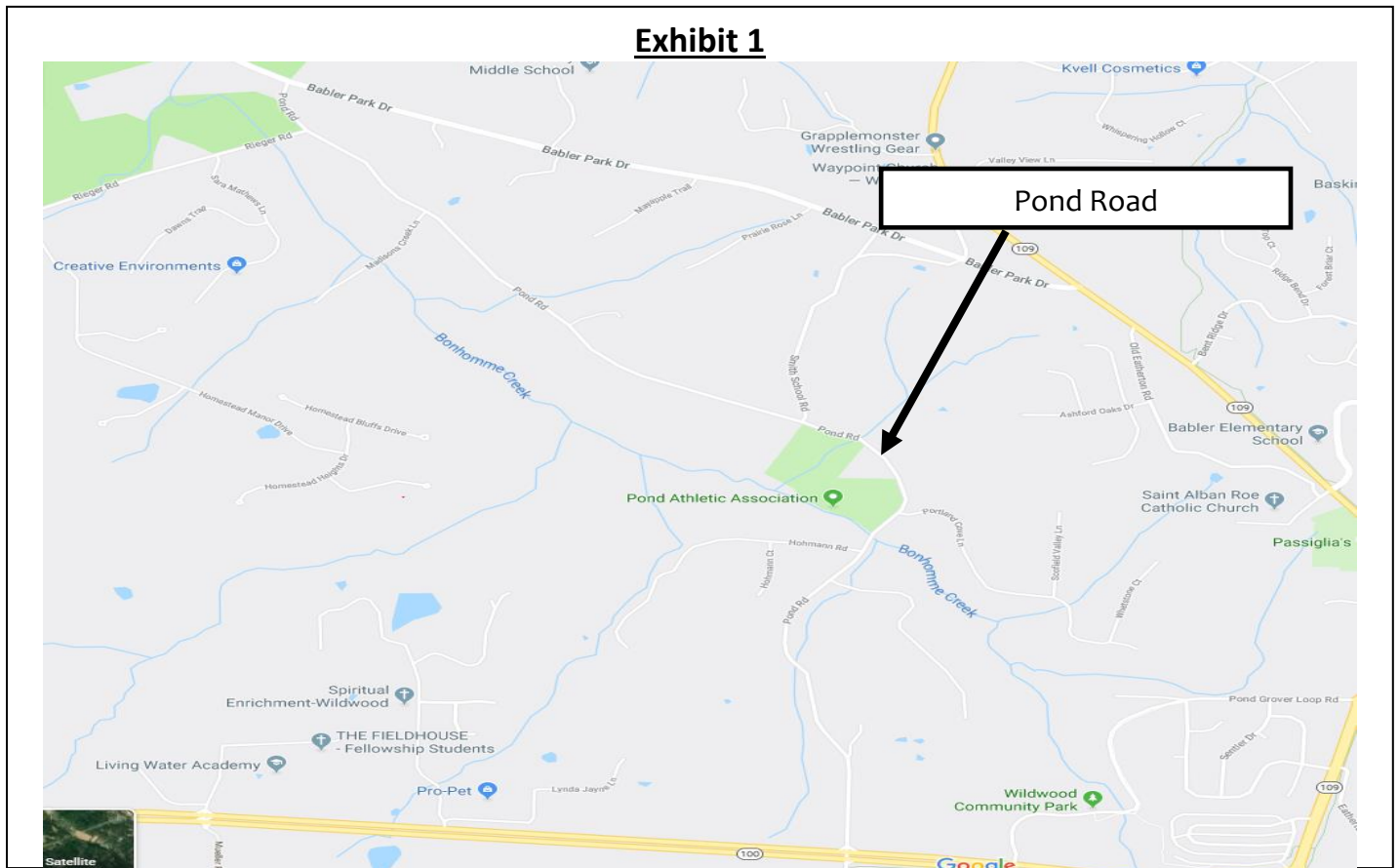
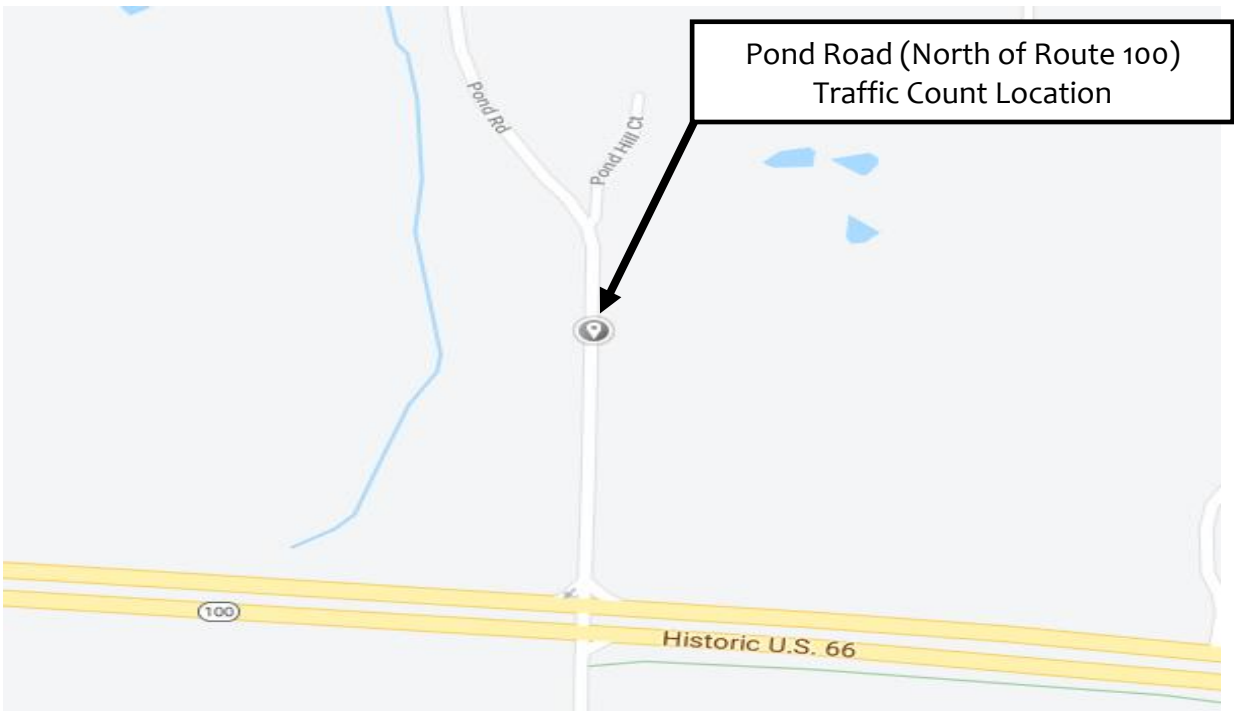




Exhibit 3



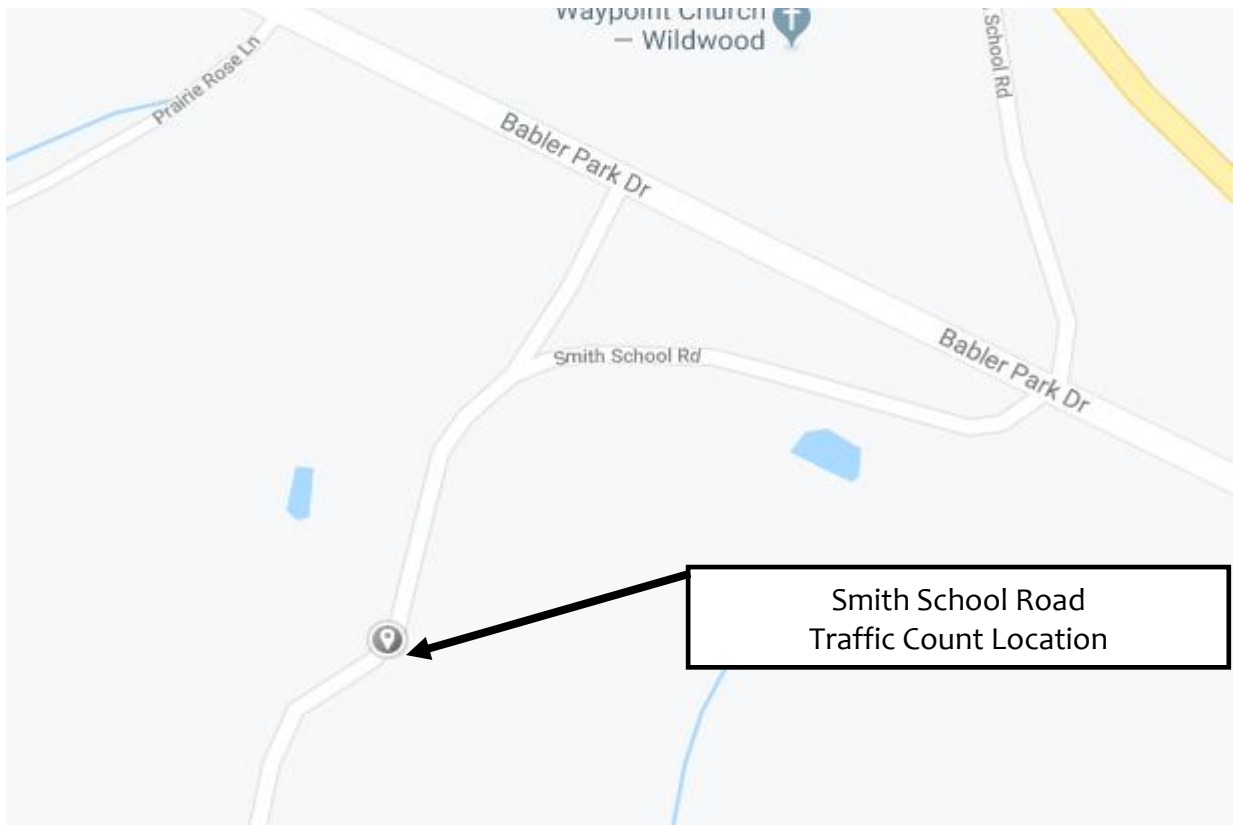
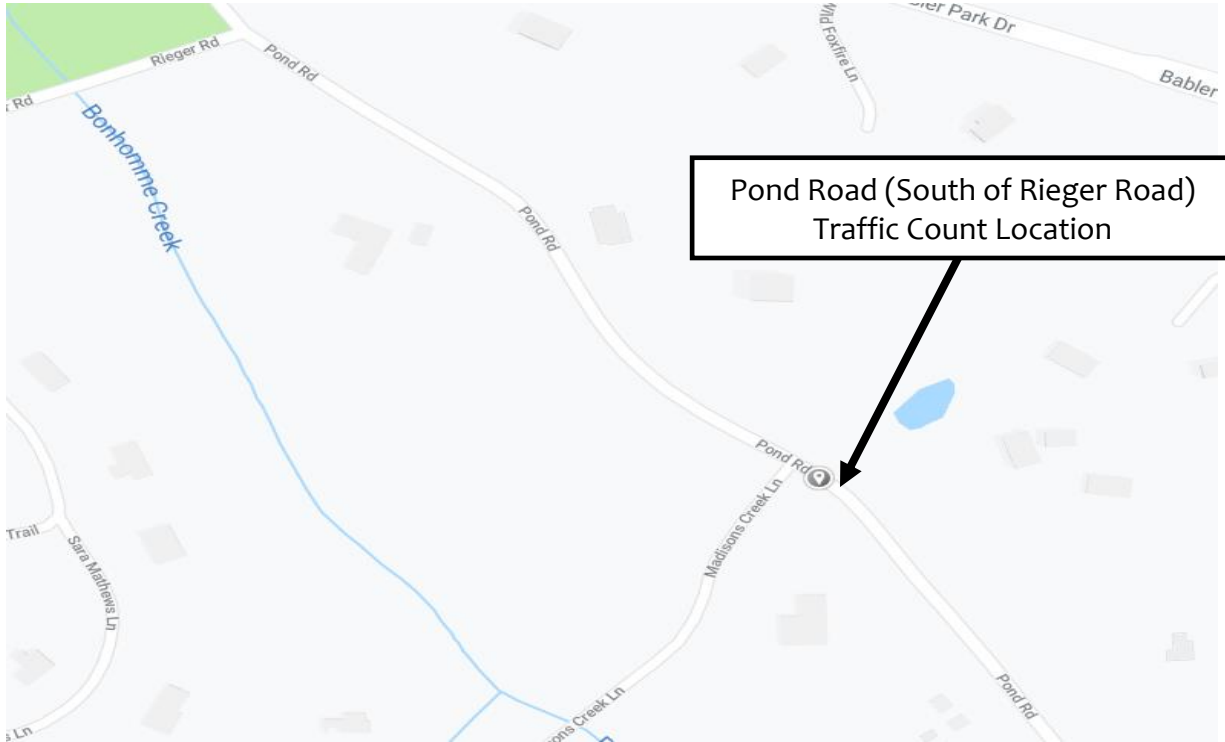


Exhibit 4

Pond Rd. (North of Route 100) Traffic Count Analysis

3 Day Counts (Tue-Thu)

Pre- Route 109 Lane Shift:

September 2017

Total Vehicles – 4411

Articulated Trucks – 8

Buses and Single-Unit Trucks – 135

Average Weekday Traffic (AWT) – 1470

Average Weekday Articulated Truck Traffic (AWATT) – 3

Average Weekday Truck and Bus Traffic (AWT&BT) – 48

Percentage of Articulated Trucks – 0.2%

Percentage of all Trucks and Buses – 3.3%

**Note school was in session*

May 2019

Total Vehicles – 5989

Articulated Trucks – 8

Buses and Single-Unit Trucks – 186

Average Weekday Traffic (AWT) – 2000

Average Weekday Articulated Truck Traffic (AWATT) – 3

Average Weekday Truck and Bus Traffic (AWT&BT) – 65

Percentage of Articulated Trucks – 0.2%

Percentage of all Trucks and Buses – 3.3%

**Note school was in session*

Post – Route 109 Lane Shift:

June 2019

Total Vehicles – 6654

Articulated Trucks – 23

Buses and Single-Unit Trucks – 144

Average Weekday Traffic (AWT) – 2220

Average Weekday Articulated Truck Traffic (AWATT) - 8

Average Weekday Truck and Bus Traffic (AWT&BT) – 56

Percentage of Articulated Trucks – 0.4%

Percentage of all Trucks and Buses – 2.5%

**Note school was not in session*

August 2019

Total Vehicles – 5557

Articulated Trucks – 26

Buses and Single-Unit Trucks – 195

Average Weekday Traffic (AWT) – 1850

Average Weekday Articulated Truck Traffic (AWATT) – 9

Average Weekday Truck and Bus Traffic (AWT&BT) – 74

Percentage of Articulated Trucks – 0.5%

Percentage of all Trucks and Buses – 4.0%

**Note school was in session*

Pond Rd. (South of Rieger Rd.) Traffic Count Analysis

3 Day Counts (Tue-Thu)

Pre – Route 109 Lane Shift:

September 2017

Total Vehicles – 2251

Articulated Trucks – 1

Buses and Single-Unit Trucks – 98

Average Weekday Traffic (AWT) – 750

Average Weekday Articulated Truck Traffic (AWATT) – 0

Average Weekday Truck and Bus Traffic (AWT&BT) – 33

Percentage of Articulated Trucks – 0.0%

Percentage of all Trucks and Buses – 4.4%

**Note school was in session*

Post – Route 109 Lane Shift:

July 2019

Total Vehicles – 2781

Articulated Trucks – 6

Buses and Single-Unit Trucks – 61

Average Weekday Traffic (AWT) – 930

Average Weekday Articulated Truck Traffic (AWATT) – 2

Average Weekday Truck and Bus Traffic (AWT&BT) – 22

Percentage of Articulated Trucks – 0.2%

Percentage of all Trucks and Buses – 2.4%

**Note school was not in session*

Smith School Rd. Traffic Count Analysis

3 Day Count (Tue-Thu)

Post – Route 109 Lane Shift:

July 2019

Total Vehicles – 1486

Articulated Trucks – 6

Buses and Single-Unit Trucks – 25

Average Weekday Traffic (AWT) – 500

Average Weekday Articulated Truck Traffic (AWATT) – 2

















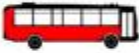










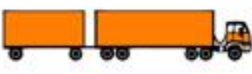






Average Weekday Truck and Bus Traffic (AWT&BT) – 10

Percentage of Articulated Trucks – 0.4%

Percentage of all Trucks and Buses – 2.0%

**Note school was not in session*

*Please note Articulated Trucks are any vehicle that fits classes 8-13 of the Federal Highway Administration’s (FHWA) Vehicle Category Classification. Single-Unit Trucks and Buses make up classes 4-7. See Attached

Class 1 Motorcycles		Class 7 Four or more axle, single unit	
Class 2 Passenger cars		Class 8 Four or less axle, single trailer	
			
			
			
Class 3 Four tire, single unit		Class 9 5-Axle tractor semitrailer	
			
			
Class 4 Buses		Class 10 Six or more axle, single trailer	
			
		Class 11 Five or less axle, multi trailer	
Class 5 Two axle, six tire, single unit		Class 12 Six axle, multi-trailer	
			
		Class 13 Seven or more axle, multi-trailer	
			
			
			

As can be seen in **Exhibit 4**, the number of articulated trucks increased on Pond Road after the Route 109 construction began. This would support the theory that tractor trailers are using Pond Road to avoid the traffic backups due to the Route 109 construction. There were also (6) six articulated trucks that used Smith School Road over a (3) three-day period, and the Department of Public Works believes this road is too narrow to handle the largest, semi-tractor trailer vehicles; however, it should be noted that the overall number of articulated trucks is low. In addition, the Department has requested that the Wildwood Precinct review the crash history for Pond Road, and that information is forthcoming.

Therefore, the Department is requesting the Board's consideration of permanently restricting both Pond Road to through semi-tractor trailers between Route 100 to Babler Park Drive, and Smith School Road/Spur between Pond Road and Babler Park Drive. The restriction would include an exception for Wildwood deliveries. Assuming a motion by the Board in support of restricting through tractor trailers, the Department will prepare an ordinance enabling the restriction for the consideration of the City Council.

I will be available for questions or comments on this matter at the September 12th, 2019 Board of Public Safety meeting.

RCB