

TECHNICAL MEMORANDUM

To: Penny Evins
Tracey Fudge
Cc: Soo Lee-Cho
From: Lauren Buford
Maribel Donahue
Katie Wagner, PE, PTOE
Date: October 17, 2025
Subject: Holton-Arms School 2025 Supplemental Analysis

Holton-Arms School
Bregman, Berbert, Schwartz & Gilday

Exhibit 38 (c)
OZAH Case No: CBA-1174-E

Introduction

The following document presents supplemental analysis conducted for the proposed Holton-Arms School ("Holton-Arms" or "School") enrollment cap increase from 670 students to 870 students during the school year and 970 summer campers during the summer. The supplemental analysis is provided to expand on the traffic data used in the Holton-Arms Local Area Transportation Review submitted Friday, September 12th, 2025 (the "LATR"), and to review traffic flow through the Al Marah neighborhood potentially associated with Holton-Arms School.

The objectives of the supplemental analysis in this memo are the following:

- Compare the baseline traffic volumes used in the LATR collected on January 30 and October 9, 2024 to traffic counts collected on September 9, 2025.
- Review the impact of Holton-Arms School operations on traffic through the Al Marah neighborhood.

The findings of the supplemental analysis are summarized as follows:

- A comparison of the traffic volumes used in the LATR and the Fall 2025 traffic volumes shows that the LATR's baseline volumes are higher than the Fall 2025 counts; therefore, the LATR presents a conservative analysis of roadway conditions and the School's traffic impact.
- A review of the vehicles observed driving through the Al Marah neighborhood in the AM and PM peaks indicates Holton-Arms families who have students also enrolled at The Primary Day School ("Primary Day") are the main source of Holton-Arms associated vehicles driving through the Al Marah neighborhood.
 - A minimum number of vehicles were observed during a field visit to enter/exit the Al Marah neighborhood via Burdette Road and via Royal Dominion Drive from/into Holton-Arms. These trips do not preclude vehicles that travel between Holton-Arms and Primary Day.

LATR Volume Comparison

The analysis contained in the LATR is based on traffic counts collected on Tuesday January 30, 2024 and Wednesday, October 9, 2024. The LATR included the following study periods:

- School Year AM School Peak Hour (7:15-8:15 AM)
 - This is when the number of School-generated trips on the network is highest, and any potential impact associated with the proposed enrollment increase would be highest at this time. The morning roadway peak hour (8:15 – 9:15 AM) was not analyzed as the School-generated trips are minimal during this time.

- School Year PM Roadway Peak Hour (3:15-4:15 PM)
 - The afternoon School peak hour (3:30-4:30 PM) and afternoon roadway peak hour (3:15-4:15 PM) overlapped. The afternoon roadway peak hour traffic volumes were used to establish the baseline roadway volumes to provide a conservative analysis.
- Summer Session PM Peak Hour (2:30-3:30 PM)
 - This is when the number of summer camp-generated afternoon trips on the network is highest, and any potential impact associated with the proposed summer camp enrollment increase would be highest at this time.
 - School year roadway volumes were used for the summer PM peak hour analysis as required by the LATR Guidelines. This provides a very conservative analysis scenario as traffic volumes during the summer are significantly lower than during the school year.

Overall Volume Comparison

Additional traffic counts were collected at the study intersections included in the LATR on Tuesday September 9, 2025, when schools and the federal government were in session. The traffic counts are attached to this memo.

A comparison between the traffic volumes used in the LATR and the Fall 2025 counts show that 2025 traffic volumes were lower overall than the volumes analyzed in the LATR. The “peak hours,” the hour when volumes are at their highest, were compared, Table 1 compares the traffic volumes collected among the study’s seven (7) intersections. The general findings of the volume comparison are summarized as follows:

- The morning commuter peak hour is 45 minutes earlier at 7:30-8:30 AM, meaning commuters are more likely to encounter school traffic despite the decrease in roadway volumes.
- The LATR AM School Peak hour volumes are greater than the 2025 AM Roadway Peak hour volumes.
- Both the AM School Peak hour and the PM Roadway Peak hour did not change in time, still occurring at 7:15-8:15 AM and 3:15-4:15 PM, respectively.

Table 1: Percent Change in Study Area Total Volumes between 2024 and 2025

2024 LATR Volumes to 2025 Counts % Change			
AM School Peak (7:15-8:15 AM)	LATR AM School Peak vs 2025 AM Roadway Peak*	PM Roadway Peak (3:15-4:15 PM)	Summer School Peak (2:30-3:30 PM)
-7.29%	-5.19%	-11.87%	-13.23%

*In the LATR, the AM School Peak was analyzed, as it did not overlap with the AM Roadway (or commuter) Peak. As the 2025 AM Roadway Peak overlapped with the LATR AM School Peak, we compared the volumes in case there was more traffic on the roadway than in 2024. Volumes still decreased, meaning the LATR analysis was conservative.

As detailed above, traffic volumes throughout the corridor decreased between what was analyzed in the LATR and the Fall 2025 traffic counts. A likely explanation for this decrease in traffic volume is the stricter return to office mandates that have been put in place between the two time periods of data collection, which have changed commuting patterns. It is likely that fewer people are using the River Road corridor and are instead opting for roadways with a higher capacity or opting for public transportation instead of driving to work and paying for parking five days a week.

Al Marah Neighborhood Traffic Review

An analysis was also completed to review the traffic traveling through the Al Marah neighborhood to better understand neighborhood comments and observations. Field observations were conducted at the intersection of River Road & Royal Dominion Drive as well as River Road & Burdette Road to observe traffic patterns and compare surveys of license plates entering and exiting the neighborhood. Based on field observations, much of the traffic on Royal Dominion Drive within the Al Marah neighborhood is generated by Primary Day located in the southeast quadrant of the River Road/Royal Dominion Drive intersection. Traffic entering the Holton-Arms driveway from the south is almost entirely made up of parents or staff/faculty dropping off students at Primary Day before arriving at Holton-Arms.

This analysis consisted of the following:

- A review of Holton-Arms families with siblings/children enrolled at Primary Day to determine the number of potential Holton-Arms trips generated from Primary Day.
- A review of Holton-Arms families that live in the Al Marah neighborhood to determine the number of potential Holton-Arms trips generated from the Al Marah neighborhood.
- Field survey conducted on Tuesday September 9, 2025, during the peak periods, while schools and the federal government were in session.
 - Included observations of vehicles entering the Al Marah neighborhood via Burdette Road and vehicles traveling between the Holton-Arms and the Al Marah neighborhood via Royal Dominion Drive.
- A review of traffic volumes collected at the River Road and Burdette Road intersection and the River Road and Royal Dominion Drive intersection on the same day as the field survey.

The results of the analysis are summarized below:

Primary Day School/Al Marah Enrollment at Holton-Arms School

- Holton-Arms has 18 families with children enrolled at the Primary Day School (15 student families and 3 employees).
- There are 4 Holton-Arms students who live in the Al Marah neighborhood.
 - No students were observed walking to Holton-Arms from the neighborhood.
- Based on Primary Day enrollment and students living in the Al Marah neighborhood, there are up to 22 vehicles expected to travel between the Al Marah neighborhood and the Holton-Arms School.

Field Observations

To quantify the level cut-through trips associated with Holton-Arms, site observations were conducted at the intersection of River Road & Royal Dominion Drive as well as River Road & Burdette Road during the peak morning arrival and afternoon dismissal periods. The license plate numbers of vehicles entering and exiting the Al Marah neighborhood were surveyed at both intersections and then compared to find any instances of overlap. Vehicle trips recorded at both intersections were further evaluated relative to dual Holton-Arms/Primary Day enrollment numbers to determine whether these trips could fall outside dual Holton-Arms/Primary Day trips.

- License plate survey and field observations on September 9, 2025, show only 8 confirmed instances of vehicles entering or exiting Holton-Arms via the Al Marah neighborhood at Royal Dominion Drive, **as well as** entering or exiting the Al Marah neighborhood at Burdette Road.
 - 6 trips were observed in the morning

- 2 trips were observed in the afternoon
- One bus was captured entering Holton-Arms from the neighborhood.
 - This has been brought to the attention of the School, and it has been confirmed that a substitute bus driver from the bus company was working that day. This is not typical for the School, and the company has been notified so this will not happen again.

Based on the field survey, trips travelling into or out of the School via the Al Marah neighborhood are not all considered cut-through trips. If the vehicles were not observed to enter/exit the neighborhood at the Burdette Road intersection, it was assumed that the traffic is generated from within the neighborhood or was generated by a vehicle who entered and exited via Royal Dominion Drive to access Primary Day. Due to the significant number of vehicles observed entering and exiting Primary Day, and the overlap in Holton-Arms and Primary Day enrollment, it is a reasonable assumption that the majority of trips observed traveling through the Al Marah neighborhood and entering/exiting Holton-Arms were also visiting Primary Day.

2025 Traffic Counts

As shown in Figure 1 below, the number of vehicles traveling between Holton-Arms and the Al Marah neighborhood is consistent with the number of Holton-Arms families with children enrolled at Primary Day and living in the neighborhood during the morning peak hours. This indicates that reports of cut-through traffic entering the Al Marah neighborhood via Burdette Road and exit at Royal Dominion Drive are not solely generated by Holton-Arms.

Figure 2 and Figure 3 also present a comparison of peak hour volumes entering/exiting the Al Marah neighborhood at the River Road and Burdette Road intersection and peak hour volumes entering/exiting Holton-Arms via the Al Marah neighborhood at the River Road and Royal Dominion Drive intersection. As Figure 2 and Figure 3 show and given that the number of trips going between Holton-Arms and Al Marah are fairly low and are consistent with the number of families enrolled at Primary Day or living in the neighborhood, the count data and field observations indicate Holton-Arms is not the source of cut-through activity in the Al Marah neighborhood. The vehicles traveling through the neighborhood are more likely related to vehicles that drop-off students at Primary Day and continue on eastbound River Road. As noted in the previous section, a total of eight (8) vehicles were observed to travel through the neighborhood for both the peak AM and PM periods, and the majority of cars observed travelling between the Holton-Arms driveway and the Al Marah neighborhood were observed entering Primary Day.

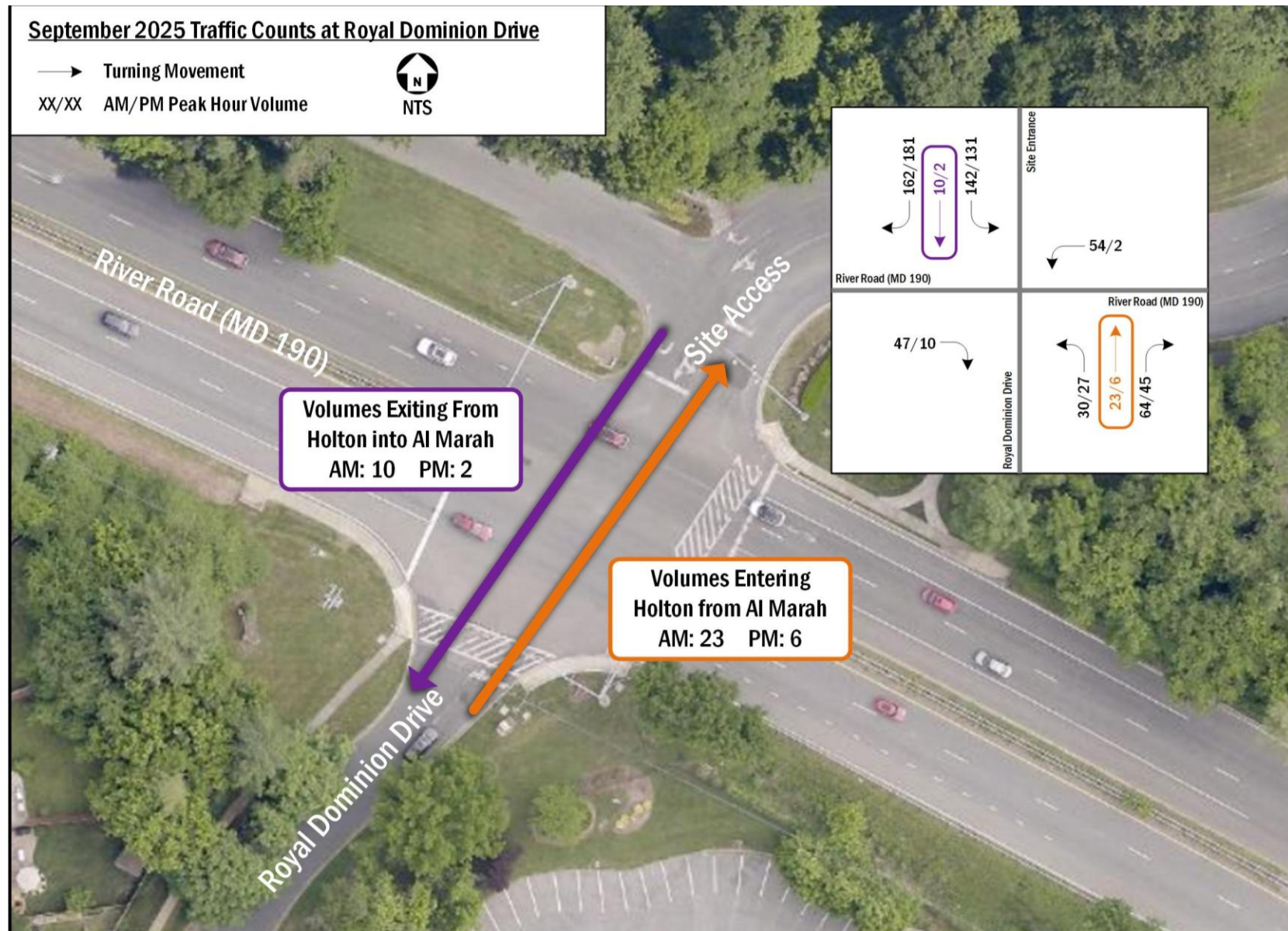


Figure 1: September 2025 Peak Hour Traffic Counts at Royal Dominion Drive

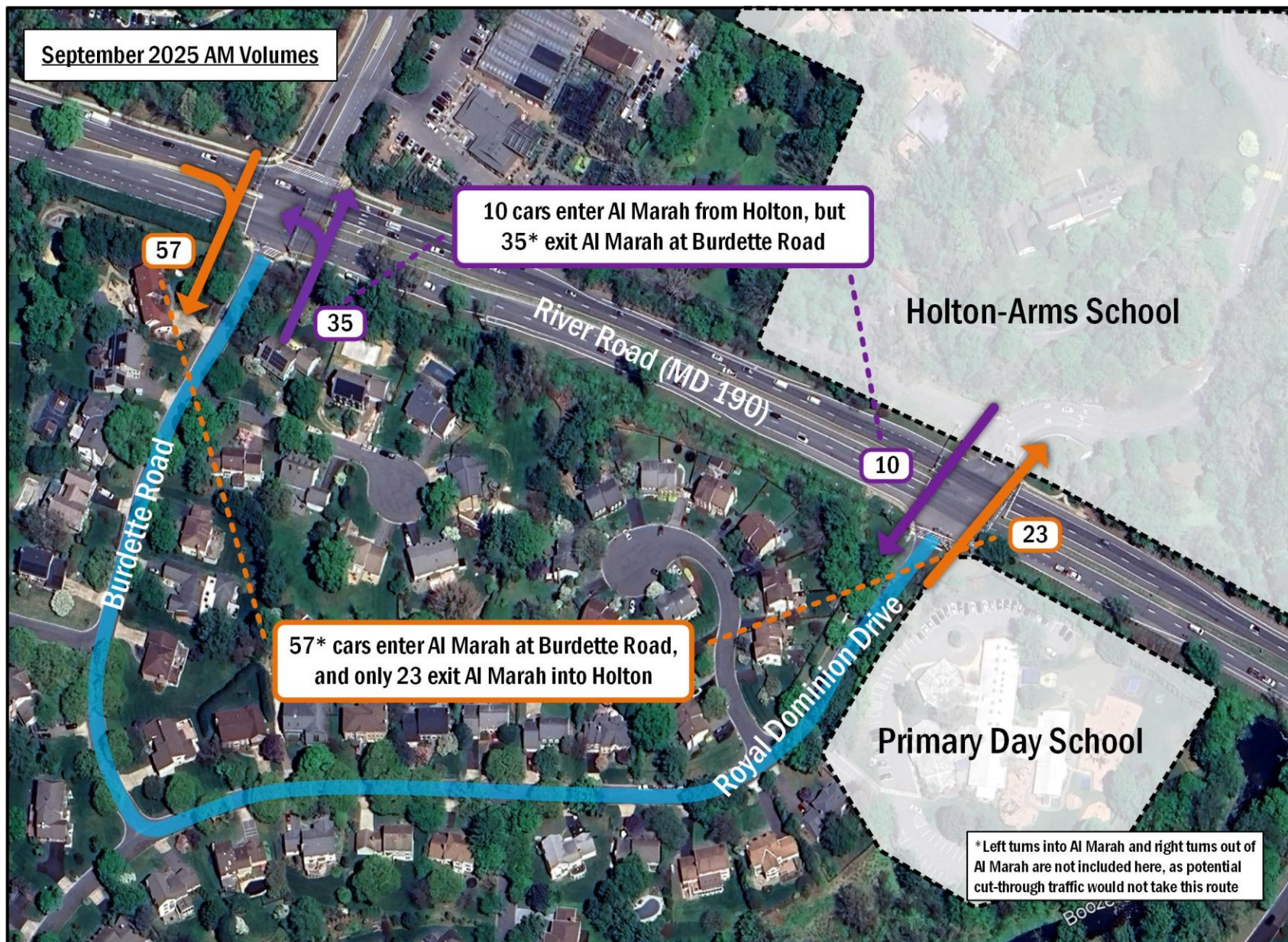


Figure 2: September 2025 AM Peak Hour Volumes

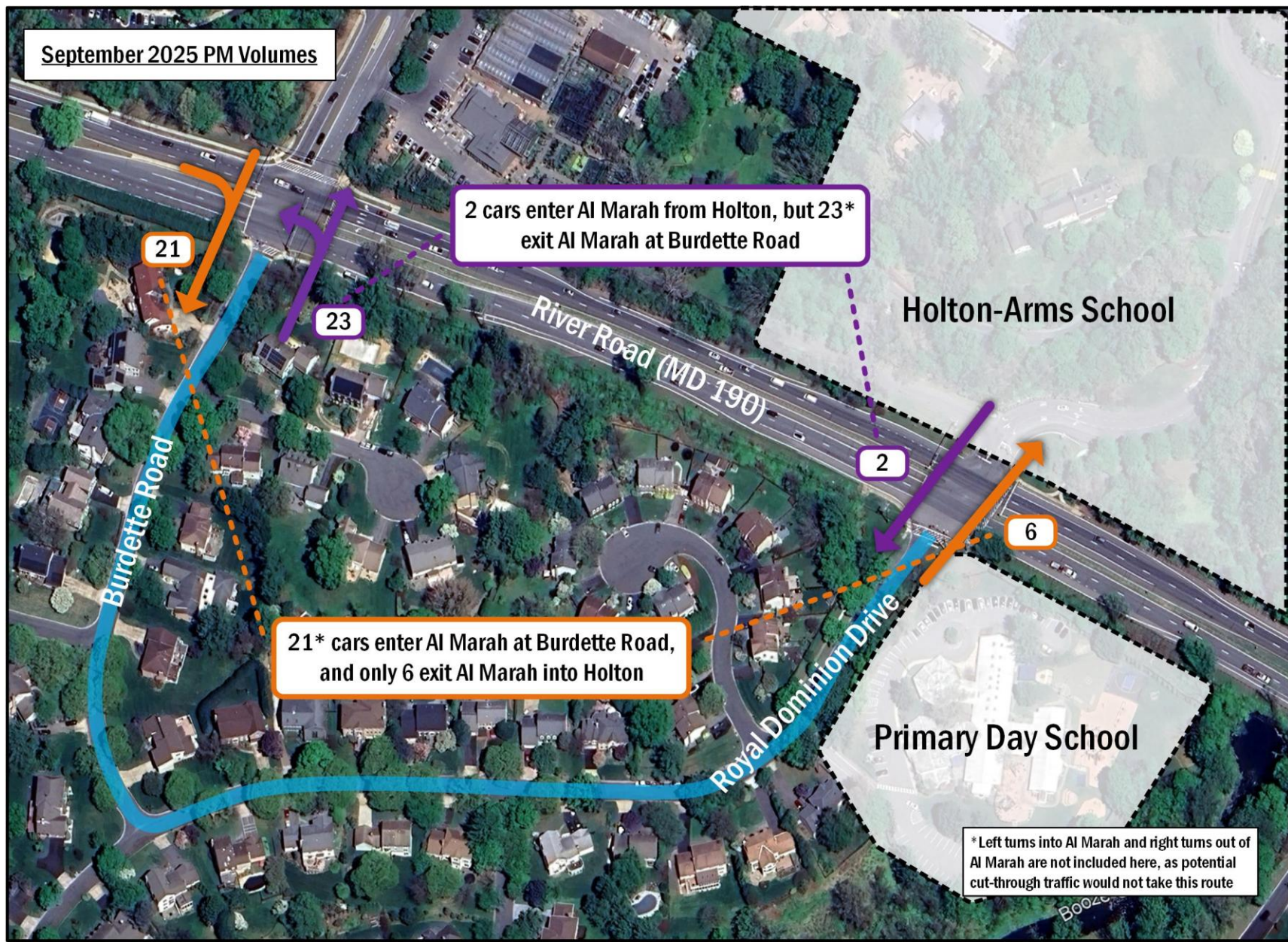


Figure 3: September 2025 PM Peak Hour Volumes

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : <u>Holton Arms School Expansion</u>	Analysis Period: <u>STUDY PERIOD</u>	<u>06:30 AM</u>	to	<u>09:30 AM</u>
Project # : <u>2009-005</u>	Date of Counts: <u>Tuesday, September 9, 2025</u>			
Location <u>Montgomery County, MD</u>	Weather: <u>Partly Cloudy</u>			
Data Source: <u>Gorove/Slade Associates, Inc.</u>				

Analysis Period:	STUDY PERIOD	06:30 AM	to	09:30 AM
Date of Counts:	Tuesday, September 9, 2025			
Weather:	Partly Cloudy			

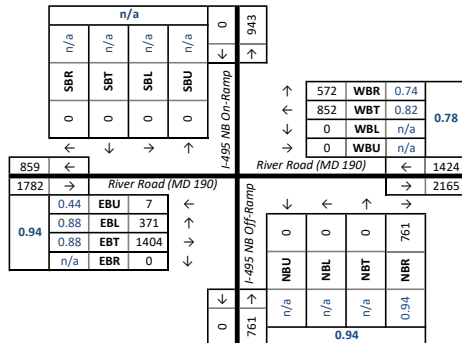
Volumes Displayed as: 3. User-Defined

Intersection Peak Hour (all vehicles): 07:30 AM to 08:30 AM

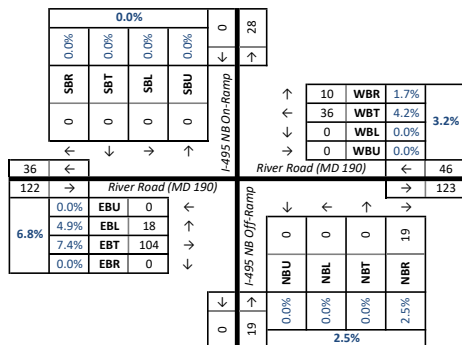
System Peak Hour (all vehicles): 07:30 AM to 08:30 AM

Intersection:		1. I-495 NB On-Ramp/I-495 NB Off-Ramp & River Road (MD 190)																					
All Vehicles	Direction:	Southbound					Westbound					Northbound					Eastbound						
	Roadway:	I-495 NB On-Ramp					River Road (MD 190)					I-495 NB Off-Ramp					River Road (MD 190)						
	Movement:	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds		
06:30 AM	to 06:45 AM	0	0	0	0	0	0	0	92	62	0	0	0	0	102	0	0	45	259	0	0		
06:45 AM	to 07:00 AM	0	0	0	0	0	0	0	69	71	0	0	0	0	139	0	0	49	305	0	0		
07:00 AM	to 07:15 AM	0	0	0	0	0	0	0	139	109	0	0	0	0	177	0	0	56	385	0	0		
07:15 AM	to 07:30 AM	0	0	0	0	0	0	0	189	115	0	0	0	0	197	0	0	74	400	0	0		
07:30 AM	to 07:45 AM	0	0	0	0	0	0	0	194	124	0	0	0	0	203	0	1	95	350	0	0		
07:45 AM	to 08:00 AM	0	0	0	0	0	0	0	208	140	0	0	0	0	176	0	4	105	297	0	0		
08:00 AM	to 08:15 AM	0	0	0	0	0	0	0	261	193	0	0	0	0	185	0	2	97	357	0	0		
08:15 AM	to 08:30 AM	0	0	0	0	0	0	0	236	196	0	0	0	0	170	0	3	97	378	0	0		
08:30 AM	to 08:45 AM	0	0	0	0	0	1	0	187	183	0	0	0	0	147	0	1	82	215	0	0		
08:45 AM	to 09:00 AM	0	0	0	0	0	0	0	167	172	0	0	0	0	159	0	1	72	235	0	0		
09:00 AM	to 09:15 AM	0	0	0	0	0	0	0	174	182	0	0	0	0	129	0	2	64	258	0	0		
09:15 AM	to 09:30 AM	0	0	0	0	0	0	0	235	158	0	0	0	0	147	0	0	77	192	0	0		
09:30 AM	to 09:45 AM																						
09:45 AM	to 10:00 AM																						
10:00 AM	to 10:15 AM																						
10:15 AM	to 10:30 AM																						
10:30 AM	to 10:45 AM																						
10:45 AM	to 11:00 AM																						
11:00 AM	to 11:15 AM																						
11:15 AM	to 11:30 AM																						
USER-DEFINED PEAK HR		0					1424					761					1782						
07:15 AM	to 08:15 AM	0	0	0	0	0	0	0	852	572	0	0	0	0	761	0	7	371	1404	0	0		
Peak Hour		Overall	U	Left	Thru	Right	SB	U	Left	Thru	Right	WB	U	Left	Thru	Right	NB	U	Left	Thru	Right	EB	
Factor (PHF)		0.91	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.82	0.74	0.78	n/a	n/a	n/a	n/a	0.94	0.94	0.44	0.88	0.88	n/a	0.94
HEAVY VEHICLES (FHWA 4+)	Direction:	Southbound					Westbound					Northbound					Eastbound						
	Roadway:	I-495 NB On-Ramp					River Road (MD 190)					I-495 NB Off-Ramp					River Road (MD 190)						
	Movement:	U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right			
06:30 AM	to 06:45 AM	0	0	0	0		0	0	3	1		0	0	0	6		0	0	14	0			
06:45 AM	to 07:00 AM	0	0	0	0		0	0	3	4		0	0	0	8		0	1	27	0			
07:00 AM	to 07:15 AM	0	0	0	0		0	0	4	3		0	0	0	6		0	0	29	0			
07:15 AM	to 07:30 AM	0	0	0	0		0	0	14	2		0	0	0	4		0	3	22	0			
07:30 AM	to 07:45 AM	0	0	0	0		0	0	3	1		0	0	0	4		0	6	27	0			
07:45 AM	to 08:00 AM	0	0	0	0		0	0	10	4		0	0	0	5		0	5	28	0			
08:00 AM	to 08:15 AM	0	0	0	0		0	0	9	3		0	0	0	6		0	4	27	0			
08:15 AM	to 08:30 AM	0	0	0	0		0	0	10	9		0	0	0	10		0	7	24	0			
08:30 AM	to 08:45 AM	0	0	0	0		0	0	10	2		0	0	0	3		0	3	19	0			
08:45 AM	to 09:00 AM	0	0	0	0		0	0	10	9		0	0	0	7		0	6	16	0			
09:00 AM	to 09:15 AM	0	0	0	0		0	0	6	16		0	0	0	2		0	7	17	0			
09:15 AM	to 09:30 AM	0	0	0	0		0	0	13	26		0	0	0	6		0	7	11	0			
09:30 AM	to 09:45 AM																						
09:45 AM	to 10:00 AM																						
10:00 AM	to 10:15 AM																						
10:15 AM	to 10:30 AM																						
10:30 AM	to 10:45 AM																						
10:45 AM	to 11:00 AM																						
11:00 AM	to 11:15 AM																						
11:15 AM	to 11:30 AM																						
USER-DEFINED PEAK HR		0					46					19					122						
07:15 AM	to 08:15 AM	0	0	0	0		0	0	36	10		0	0	0	19		0	18	104	0			
Heavy Vehicle % (PHV):		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.2%	1.7%	3.2%	0.0%	0.0%	0.0%	2.5%	2.5%	0.0%	4.9%	7.4%	0.0%	6.8%		
INT. PEAK HR (HV ONLY)		0					49					25					128						
07:30 AM	to 08:30 AM	0	0	0	0		0	0	32	17		0	0	0	25		0	22	106	0			
Heavy Vehicle % (PHV):		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	2.6%	3.2%	0.0%	0.0%	0.0%	3.4%	3.4%	0.0%	5.6%	7.7%	0.0%	7.2%		
BICYCLES	Direction:	Southbound					Westbound					Northbound					Eastbound						
	Roadway:	I-495 NB On-Ramp					River Road (MD 190)					I-495 NB Off-Ramp					River Road (MD 190)						
	Movement:	U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right			
06:30 AM	to 06:45 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
06:45 AM	to 07:00 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
07:00 AM	to 07:15 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
07:15 AM	to 07:30 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
07:30 AM	to 07:45 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
07:45 AM	to 08:00 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
08:00 AM	to 08:15 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
08:15 AM	to 08:30 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
08:30 AM	to 08:45 AM	0	0	0	0		0	0	1	0		0	0	0	0		0	0	0	0			
08:45 AM	to 09:00 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
09:00 AM	to 09:15 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
09:15 AM	to 09:30 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
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09:45 AM	to 10:00 AM																						
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10:30 AM	to 10:45 AM																						
10:45 AM	to 11:00 AM																						
11:00 AM	to 11:15 AM																						
11:15 AM	to 11:30 AM																						
USER-DEFINED PEAK HR		0					0					0					0						
07:15 AM	to 08:15 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
INT. PEAK HR (BIKES)		0					1					0					0						
07:45 AM	to 08:45 AM	0	0	0	0		0	0	1	0		0	0	0	0		0	0	0	0			

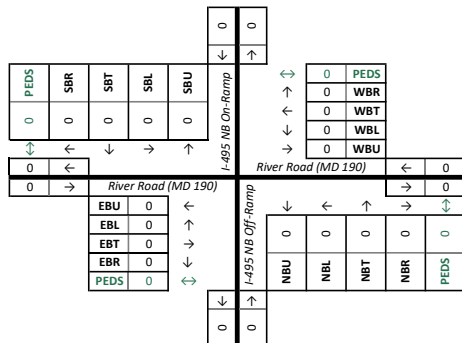
VEHICLE PEAK HOUR VOLS AND PHF: User-Defined (07:15 AM-08:15 AM)



HEAVY VEH PEAK HOUR VOLS AND PHV: User-Defined (07:15 AM-08:15 AM)



PED AND BIKE PEAK HOUR VOLUMES: User-Defined (07:15 AM-08:15 AM)



DATA COLLECTION NOTES :

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : Holton Arms School Expansion
 Project # : 2009-005
 Location : Montgomery County, MD
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period : STUDY PERIOD
 Date of Counts : Tuesday, September 9, 2025
 Weather : Partly Cloudy

06:30 AM to 09:30 AM

Volumes Displayed as: 3. User-Defined

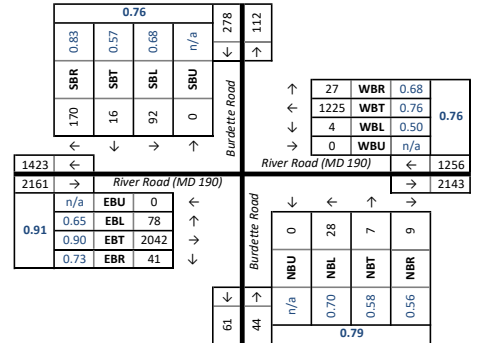
Intersection Peak Hour (all vehicles): 07:30 AM to 08:30 AM

System Peak Hour (all vehicles): 07:30 AM to 08:30 AM

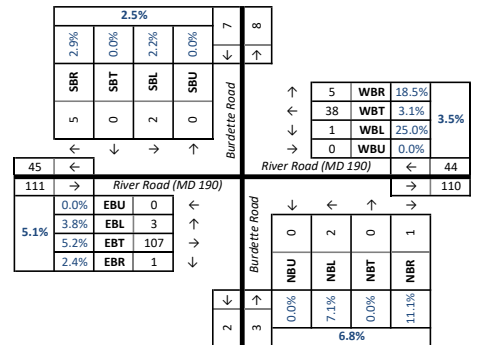
User-Defined Peak Hour: 07:15 AM to 08:15 AM

Intersection: 1. Burdette Road & River Road (MD 190)											
ALL VEHICLES	Direction:	Southbound					Westbound				
	Roadway:	Burdette Road					River Road (MD 190)				
	Movement:	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds
06:30 AM	to 06:45 AM	0	4	0	19	0	0	1	132	2	0
06:45 AM	to 07:00 AM	0	8	1	15	0	0	1	122	4	0
07:00 AM	to 07:15 AM	0	5	1	20	0	0	1	225	4	1
07:15 AM	to 07:30 AM	0	12	1	32	0	0	0	251	2	0
07:30 AM	to 07:45 AM	0	24	2	38	0	0	1	280	6	0
07:45 AM	to 08:00 AM	0	22	7	49	0	0	1	292	9	0
08:00 AM	to 08:15 AM	0	34	6	51	0	0	2	402	10	1
08:15 AM	to 08:30 AM	0	14	1	45	0	0	3	379	10	0
08:30 AM	to 08:45 AM	0	11	1	48	1	1	0	316	8	2
08:45 AM	to 09:00 AM	0	6	1	39	0	0	0	300	7	0
09:00 AM	to 09:15 AM	0	11	0	58	0	0	0	283	13	0
09:15 AM	to 09:30 AM	0	16	1	88	0	0	1	300	11	2
09:30 AM	to 09:45 AM										
09:45 AM	to 10:00 AM										
10:00 AM	to 10:15 AM										
10:15 AM	to 10:30 AM										
10:30 AM	to 10:45 AM										
10:45 AM	to 11:00 AM										
11:00 AM	to 11:15 AM										
11:15 AM	to 11:30 AM										
USER-DEFINED PEAK HR		278					1256				
07:15 AM	to 08:15 AM	0	92	16	170	0	0	4	1225	27	1
Peak Hour	Overall	U	Left	Thru	Right	SB	U	Left	Thru	Right	WB
Factor (PHF)	0.88	n/a	0.68	0.57	0.83	0.76	n/a	0.50	0.76	0.68	0.76
HEAVY VEHICLES (FHWA 4+)	Direction:	Southbound					Westbound				
	Roadway:	Burdette Road					River Road (MD 190)				
	Movement:	U	Left	Thru	Right		U	Left	Thru	Right	
06:30 AM	to 06:45 AM	0	1	0	0		0	0	5	0	
06:45 AM	to 07:00 AM	0	1	0	1		0	0	6	1	
07:00 AM	to 07:15 AM	0	1	1	0		0	0	7	3	
07:15 AM	to 07:30 AM	0	1	0	0		0	0	13	1	
07:30 AM	to 07:45 AM	0	0	0	1		0	0	3	1	
07:45 AM	to 08:00 AM	0	0	0	2		0	1	12	2	
08:00 AM	to 08:15 AM	0	1	0	2		0	0	10	1	
08:15 AM	to 08:30 AM	0	0	0	1		0	0	18	2	
08:30 AM	to 08:45 AM	0	1	0	2		0	0	11	1	
08:45 AM	to 09:00 AM	0	1	0	1		0	0	18	1	
09:00 AM	to 09:15 AM	0	1	0	4		0	0	18	4	
09:15 AM	to 09:30 AM	0	1	0	4		0	0	35	3	
09:30 AM	to 09:45 AM										
09:45 AM	to 10:00 AM										
10:00 AM	to 10:15 AM										
10:15 AM	to 10:30 AM										
10:30 AM	to 10:45 AM										
10:45 AM	to 11:00 AM										
11:00 AM	to 11:15 AM										
11:15 AM	to 11:30 AM										
USER-DEFINED PEAK HR		7					44				
07:15 AM	to 08:15 AM	0	2	0	5		0	1	38	5	
Heavy Vehicle % (PHV):		0.0%	2.2%	0.0%	2.9%	2.5%	0.0%	25.0%	3.1%	18.5%	3.5%
INT. PEAK HR (HV ONLY)		7					50				
07:30 AM	to 08:30 AM	0	1	0	6		0	1	43	6	
Heavy Vehicle % (PHV):		0.0%	1.1%	0.0%	3.3%	2.4%	0.0%	14.3%	3.2%	17.1%	3.6%
BICYCLES	Direction:	Southbound					Westbound				
	Roadway:	Burdette Road					River Road (MD 190)				
	Movement:	U	Left	Thru	Right		U	Left	Thru	Right	
06:30 AM	to 06:45 AM	0	0	0	0		0	0	0	0	
06:45 AM	to 07:00 AM	0	0	0	0		0	0	0	0	
07:00 AM	to 07:15 AM	0	0	0	0		0	0	0	0	
07:15 AM	to 07:30 AM	0	0	0	0		0	0	0	0	
07:30 AM	to 07:45 AM	0	0	0	0		0	0	0	0	
07:45 AM	to 08:00 AM	0	0	0	0		0	0	0	0	
08:00 AM	to 08:15 AM	0	0	0	0		0	0	0	0	
08:15 AM	to 08:30 AM	0	0	0	0		0	0	1	0	
08:30 AM	to 08:45 AM	0	0	0	0		0	0	0	0	
08:45 AM	to 09:00 AM	0	0	0	0		0	0	0	0	
09:00 AM	to 09:15 AM	0	0	0	0		0	0	0	0	
09:15 AM	to 09:30 AM	0	0	0	0		0	0	0	0	
09:30 AM	to 09:45 AM										
09:45 AM	to 10:00 AM										
10:00 AM	to 10:15 AM										
10:15 AM	to 10:30 AM										
10:30 AM	to 10:45 AM										
10:45 AM	to 11:00 AM										
11:00 AM	to 11:15 AM										
11:15 AM	to 11:30 AM										
USER-DEFINED PEAK HR		0					0				
07:15 AM	to 08:15 AM	0	0	0	0		0	0	0	0	
INT. PEAK HR (BIKES)		0					1				
07:30 AM	to 08:30 AM	0	0	0	0		0	0	1	0	

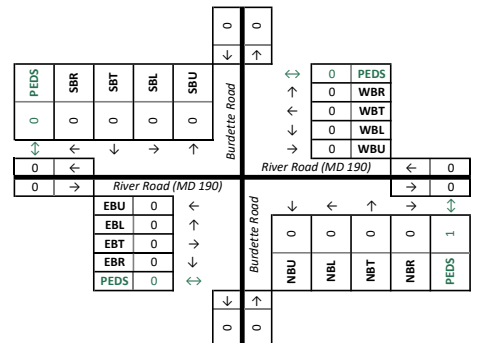
VEHICLE PEAK HOUR VOLS AND PHF: User-Defined (07:15 AM-08:15 AM)



HEAVY VEH PEAK HOUR VOLS AND PHV: User-Defined (07:15 AM-08:15 AM)



PED AND BIKE PEAK HOUR VOLUMES: User-Defined (07:15 AM-08:15 AM)



DATA COLLECTION NOTES :

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : Holton Arms School Expansion
 Project # : 2009-005
 Location : Montgomery County, MD
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period: STUDY PERIOD
 Date of Counts: Tuesday, September 9, 2025
 Weather: Partly Cloudy

06:30 AM to 09:30 AM

Volumes Displayed as: 3. User-Defined

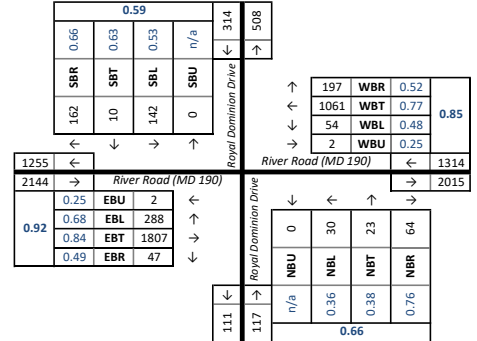
Intersection Peak Hour (all vehicles): 07:30 AM to 08:30 AM

System Peak Hour (all vehicles): 07:30 AM to 08:30 AM

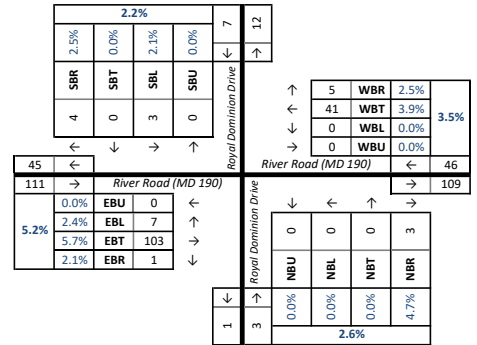
User-Defined Peak Hour: 07:15 AM to 08:15 AM

Intersection: 1. Royal Dominion Drive & River Road (MD 190)																
ALL VEHICLES	Direction:	Southbound					Westbound					Northbound				
	Roadway:	Royal Dominion Drive					River Road (MD 190)					Royal Dominion Drive				
	Movement:	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds
06:30 AM	to 06:45 AM	0	1	0	0	1	0	1	134	1	1	0	1	0	1	1
06:45 AM	to 07:00 AM	0	1	0	1	0	0	0	125	1	3	0	1	0	4	4
07:00 AM	to 07:15 AM	0	4	1	5	0	0	1	224	13	1	0	0	1	3	1
07:15 AM	to 07:30 AM	0	10	0	6	0	0	7	248	24	4	0	0	0	7	2
07:30 AM	to 07:45 AM	0	45	2	47	0	0	10	237	64	0	0	1	6	15	0
07:45 AM	to 08:00 AM	0	67	4	61	0	0	9	233	95	0	0	8	15	21	0
08:00 AM	to 08:15 AM	0	20	4	48	1	2	28	343	14	2	0	21	2	21	2
08:15 AM	to 08:30 AM	0	3	0	8	0	0	5	366	6	0	0	18	1	24	0
08:30 AM	to 08:45 AM	0	2	1	2	0	0	3	319	0	1	0	2	0	2	2
08:45 AM	to 09:00 AM	0	0	0	1	0	0	3	302	3	0	0	2	0	2	0
09:00 AM	to 09:15 AM	0	1	0	1	0	0	2	294	2	0	0	0	0	8	0
09:15 AM	to 09:30 AM	0	4	0	4	0	0	2	307	1	0	0	2	0	6	0
09:30 AM	to 09:45 AM															
09:45 AM	to 10:00 AM															
10:00 AM	to 10:15 AM															
10:15 AM	to 10:30 AM															
10:30 AM	to 10:45 AM															
10:45 AM	to 11:00 AM															
11:00 AM	to 11:15 AM															
11:15 AM	to 11:30 AM															
USER-DEFINED PEAK HR		314					1314					117				
07:15 AM to 08:15 AM		0	142	10	162	1	2	54	1061	197	6	0	30	23	64	4
Peak Hour		Overall	U	Left	Thru	Right	SB	U	Left	Thru	Right	WB	U	Left	Thru	Right
Factor (PHF)		0.92	n/a	0.53	0.63	0.66	0.59	0.25	0.48	0.77	0.52	0.85	n/a	0.36	0.38	0.76
HEAVY VEHICLES (FHWA 4+)		Southbound					Westbound					Northbound				
ALL VEHICLES	Direction:	Royal Dominion Drive					River Road (MD 190)					Royal Dominion Drive				
	Roadway:	Royal Dominion Drive					River Road (MD 190)					Royal Dominion Drive				
	Movement:	U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right	
06:30 AM	to 06:45 AM	0	1	0	0		0	0	5	0		0	0	0	0	
06:45 AM	to 07:00 AM	0	1	0	0		0	0	7	0		0	0	0	1	
07:00 AM	to 07:15 AM	0	2	0	1		0	0	9	0		0	0	0	0	
07:15 AM	to 07:30 AM	0	0	0	0		0	0	15	0		0	0	0	1	
07:30 AM	to 07:45 AM	0	3	0	1		0	0	3	3		0	0	0	1	
07:45 AM	to 08:00 AM	0	0	0	2		0	0	13	1		0	0	0	1	
08:00 AM	to 08:15 AM	0	0	0	1		0	0	10	1		0	0	0	0	
08:15 AM	to 08:30 AM	0	0	0	0		0	0	20	0		0	0	0	0	
08:30 AM	to 08:45 AM	0	0	0	0		0	0	12	0		0	0	0	0	
08:45 AM	to 09:00 AM	0	0	0	0		0	1	19	1		0	0	0	0	
09:00 AM	to 09:15 AM	0	0	0	1		0	1	21	0		0	0	0	3	
09:15 AM	to 09:30 AM	0	0	0	0		0	0	38	0		0	0	0	0	
09:30 AM	to 09:45 AM															
09:45 AM	to 10:00 AM															
10:00 AM	to 10:15 AM															
10:15 AM	to 10:30 AM															
10:30 AM	to 10:45 AM															
10:45 AM	to 11:00 AM															
11:00 AM	to 11:15 AM															
11:15 AM	to 11:30 AM															
USER-DEFINED PEAK HR		7					46					3				
07:15 AM to 08:15 AM		0	3	0	4		0	0	41	5		0	0	0	3	
Heavy Vehicle % (PHV)		0.0%	2.1%	0.0%	2.5%	2.2%	0.0%	0.0%	3.9%	2.5%	3.5%	0.0%	0.0%	0.0%	4.7%	2.6%
INT. PEAK HR (HV ONLY)		7					51					2				
07:30 AM to 08:30 AM		0	3	0	4		0	0	46	5		0	0	0	2	
Heavy Vehicle % (PHV)		0.0%	2.2%	0.0%	2.4%	2.3%	0.0%	0.0%	3.9%	2.8%	3.6%	0.0%	0.0%	0.0%	2.5%	1.3%
BICYCLES		Southbound					Westbound					Northbound				
ALL VEHICLES	Direction:	Royal Dominion Drive					River Road (MD 190)					Royal Dominion Drive				
	Roadway:	Royal Dominion Drive					River Road (MD 190)					Royal Dominion Drive				
	Movement:	U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right	
06:30 AM	to 06:45 AM	0	0	0	0		0	0	0	1		0	0	0	0	
06:45 AM	to 07:00 AM	0	0	0	0		0	0	0	0		0	0	0	0	
07:00 AM	to 07:15 AM	0	0	0	0		0	0	0	1		0	0	0	0	
07:15 AM	to 07:30 AM	0	0	0	0		0	0	0	1		0	0	0	0	
07:30 AM	to 07:45 AM	0	0	0	0		0	0	0	0		0	0	0	0	
07:45 AM	to 08:00 AM	0	0	0	0		0	0	0	0		0	0	0	0	
08:00 AM	to 08:15 AM	0	0	0	0		0	0	0	0		0	0	0	0	
08:15 AM	to 08:30 AM	0	0	0	0		0	0	1	0		0	0	0	0	
08:30 AM	to 08:45 AM	0	0	0	0		0	0	0	0		0	0	0	0	
08:45 AM	to 09:00 AM	0	0	0	0		0	0	0	0		0	0	0	0	
09:00 AM	to 09:15 AM	0	0	0	0		0	0	0	0		0	0	0	0	
09:15 AM	to 09:30 AM	0	0	0	0		0	0	0	0		0	0	0	0	
09:30 AM	to 09:45 AM															
09:45 AM	to 10:00 AM															
10:00 AM	to 10:15 AM															
10:15 AM	to 10:30 AM															
10:30 AM	to 10:45 AM															
10:45 AM	to 11:00 AM															
11:00 AM	to 11:15 AM															
11:15 AM	to 11:30 AM															
USER-DEFINED PEAK HR		0					1					0				
07:15 AM to 08:15 AM		0	0	0	0		0	0	0	1		0	0	0	0	
INT. PEAK HR (BIKES)		0					3					0				
06:30 AM to 07:30 AM		0	0	0	0		0	0	0	3		0	0	0	0	

VEHICLE PEAK HOUR VOLS AND PHF: User-Defined (07:15 AM-08:15 AM)



HEAVY VEH PEAK HOUR VOLS AND PHV: User-Defined (07:15 AM-08:15 AM)



Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : Holton Arms School Expansion
 Project # : 2009-005
 Location : Montgomery County, MD
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period: STUDY PERIOD
 Date of Counts: Tuesday, September 9, 2025
 Weather: Partly Cloudy

06:30 AM to 09:30 AM

Volumes Displayed as: 3. User-Defined

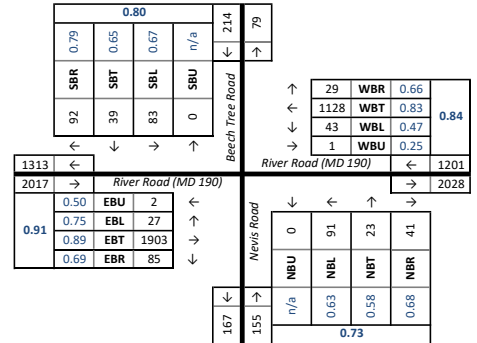
Intersection Peak Hour (all vehicles): 07:30 AM to 08:30 AM

System Peak Hour (all vehicles): 07:30 AM to 08:30 AM

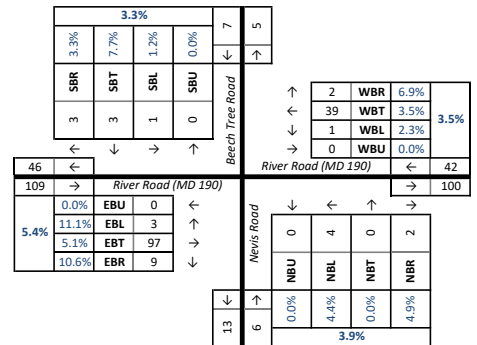
User-Defined Peak Hour: 07:15 AM to 08:15 AM

Intersection: 1. Beech Tree Road/Nevis Road & River Road (MD 190)											
ALL VEHICLES	Direction:	Southbound					Westbound				
	Roadway:	Beech Tree Road					River Road (MD 190)				
	Movement:	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds
06:30 AM to 06:45 AM		0	2	0	6	0	0	0	122	0	1
06:45 AM to 07:00 AM		0	5	0	8	0	0	2	113	1	0
07:00 AM to 07:15 AM		0	7	2	7	0	0	3	221	4	0
07:15 AM to 07:30 AM		0	12	3	24	0	0	4	239	6	0
07:30 AM to 07:45 AM		0	23	15	29	0	0	7	269	6	0
07:45 AM to 08:00 AM		0	31	12	22	0	1	23	279	11	2
08:00 AM to 08:15 AM		0	17	9	17	0	0	9	341	6	1
08:15 AM to 08:30 AM		0	20	4	16	0	1	6	345	3	0
08:30 AM to 08:45 AM		0	9	5	20	0	0	5	284	8	0
08:45 AM to 09:00 AM		0	10	3	15	1	1	8	281	11	1
09:00 AM to 09:15 AM		0	11	3	20	0	1	7	268	13	0
09:15 AM to 09:30 AM		0	22	2	37	0	0	7	263	7	1
09:30 AM to 09:45 AM											
09:45 AM to 10:00 AM											
10:00 AM to 10:15 AM											
10:15 AM to 10:30 AM											
10:30 AM to 10:45 AM											
10:45 AM to 11:00 AM											
11:00 AM to 11:15 AM											
11:15 AM to 11:30 AM											
USER-DEFINED PEAK HR		214					1201				
07:15 AM to 08:15 AM		0	83	39	92	0	1	43	1128	29	3
Peak Hour	Overall	U	Left	Thru	Right	SB	U	Left	Thru	Right	WB
Factor (PHF)	0.93	n/a	0.67	0.65	0.79	0.80	0.25	0.47	0.83	0.66	0.84
HEAVY VEHICLES (FHWA 4+)	Direction:	Southbound					Westbound				
	Roadway:	Beech Tree Road					River Road (MD 190)				
	Movement:	U	Left	Thru	Right		U	Left	Thru	Right	
06:30 AM to 06:45 AM		0	0	0	0		0	0	5	0	
06:45 AM to 07:00 AM		0	0	0	2		0	0	4	0	
07:00 AM to 07:15 AM		0	0	0	0		0	0	7	0	
07:15 AM to 07:30 AM		0	0	0	1		0	0	12	2	
07:30 AM to 07:45 AM		0	1	0	1		0	0	4	0	
07:45 AM to 08:00 AM		0	0	1	1		0	1	12	0	
08:00 AM to 08:15 AM		0	0	2	0		0	0	11	0	
08:15 AM to 08:30 AM		0	2	0	0		0	0	19	0	
08:30 AM to 08:45 AM		0	0	0	1		0	0	11	0	
08:45 AM to 09:00 AM		0	0	0	1		0	0	18	0	
09:00 AM to 09:15 AM		0	0	0	1		0	1	21	2	
09:15 AM to 09:30 AM		0	3	0	14		0	0	22	2	
09:30 AM to 09:45 AM											
09:45 AM to 10:00 AM											
10:00 AM to 10:15 AM											
10:15 AM to 10:30 AM											
10:30 AM to 10:45 AM											
10:45 AM to 11:00 AM											
11:00 AM to 11:15 AM											
11:15 AM to 11:30 AM											
USER-DEFINED PEAK HR		7					42				
07:15 AM to 08:15 AM		0	1	3	3		0	1	39	2	
Heavy Vehicle % (PHV)		0.0%	1.2%	7.7%	3.3%	3.3%	0.0%	2.3%	3.5%	6.9%	3.5%
INT. PEAK HR (HV ONLY)		8					47				
07:30 AM to 08:30 AM		0	3	3	2		0	1	46	0	
Heavy Vehicle % (PHV)		0.0%	3.3%	7.5%	2.4%	3.7%	0.0%	2.2%	3.7%	0.0%	3.6%
BICYCLES	Direction:	Southbound					Westbound				
	Roadway:	Beech Tree Road					River Road (MD 190)				
	Movement:	U	Left	Thru	Right		U	Left	Thru	Right	
06:30 AM to 06:45 AM		0	0	0	1		0	0	0	0	
06:45 AM to 07:00 AM		0	0	0	0		0	0	0	0	
07:00 AM to 07:15 AM		0	0	0	1		0	0	0	0	
07:15 AM to 07:30 AM		0	0	0	0		0	0	1	0	
07:30 AM to 07:45 AM		0	0	1	0		0	0	0	0	
07:45 AM to 08:00 AM		0	0	0	0		0	0	0	0	
08:00 AM to 08:15 AM		0	0	0	0		0	0	0	0	
08:15 AM to 08:30 AM		0	0	0	0		0	0	1	0	
08:30 AM to 08:45 AM		0	0	0	0		0	0	0	0	
08:45 AM to 09:00 AM		0	0	0	0		0	0	0	0	
09:00 AM to 09:15 AM		0	0	0	0		0	0	0	0	
09:15 AM to 09:30 AM		0	0	1	0		0	0	0	0	
09:30 AM to 09:45 AM											
09:45 AM to 10:00 AM											
10:00 AM to 10:15 AM											
10:15 AM to 10:30 AM											
10:30 AM to 10:45 AM											
10:45 AM to 11:00 AM											
11:00 AM to 11:15 AM											
11:15 AM to 11:30 AM											
USER-DEFINED PEAK HR		1					1				
07:15 AM to 08:15 AM		0	0	1	0		0	0	1	0	
INT. PEAK HR (BIKES)		2					1				
06:30 AM to 07:30 AM		0	0	0	2		0	0	1	0	

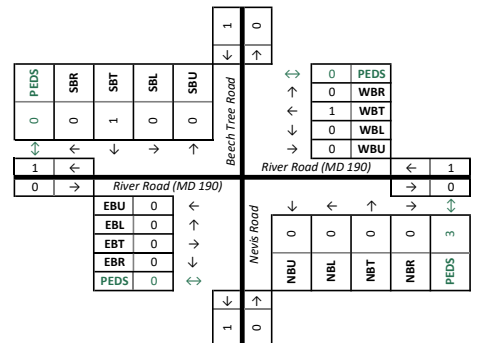
VEHICLE PEAK HOUR VOLS AND PHF: User-Defined (07:15 AM-08:15 AM)



HEAVY VEH PEAK HOUR VOLS AND PHV: User-Defined (07:15 AM-08:15 AM)



PED AND BIKE PEAK HOUR VOLUMES: User-Defined (07:15 AM-08:15 AM)



DATA COLLECTION NOTES:

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : <u>Holton Arms School Expansion</u>	Analysis Period: <u>STUDY_PERIOD</u>	<u>06:30 AM</u>	to	<u>09:30 AM</u>
Project # : <u>2009-005</u>	Date of Counts: <u>Tuesday, September 9, 2025</u>			
Location <u>Montgomery County, MD</u>	Weather: <u>Partly Cloudy</u>			
Data Source: <u>Gorove/Slade Associates, Inc.</u>				

Analysis Period:	STUDY PERIOD	06:30 AM	to	09:30 AM
Date of Counts:	Tuesday, September 9, 2025			
Weather:	Partly Cloudy			

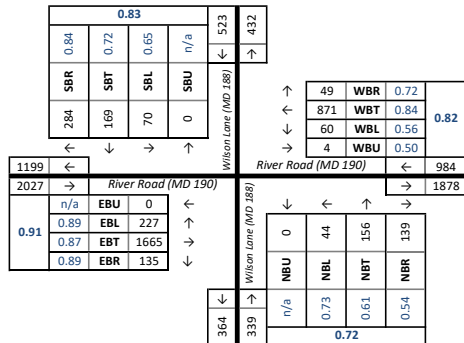
Volumes Displayed as: 3. User-Defined

Intersection Peak Hour (all vehicles): 07:30 AM to 08:30 AM

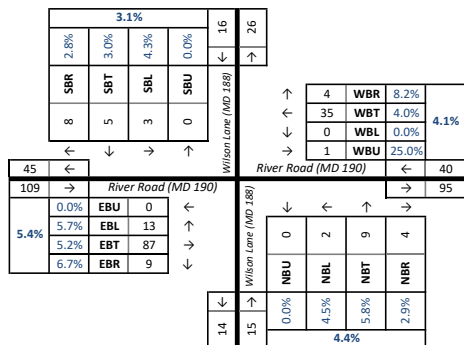
System Peak Hour (all vehicles): 07:30 AM to 08:30 AM

Intersection:		1. Wilson Lane (MD 188) & River Road (MD 190)																					
All Vehicles	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound						
		Wilson Lane (MD 188)					River Road (MD 190)					Wilson Lane (MD 188)					River Road (MD 190)						
		U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds		
06:30 AM	to 06:45 AM	0	5	13	23	0	1	0	98	2	0	0	1	3	1	0	0	13	303	8	0	0	
06:45 AM	to 07:00 AM	0	3	17	24	0	0	2	87	2	0	0	5	6	3	0	0	24	362	33	0	0	
07:00 AM	to 07:15 AM	0	11	18	46	0	0	4	174	3	0	0	8	14	8	0	0	15	456	39	1	0	
07:15 AM	to 07:30 AM	0	9	24	67	0	1	4	173	5	0	0	9	19	29	0	0	43	476	38	0	0	
07:30 AM	to 07:45 AM	0	11	40	85	0	2	15	182	15	0	0	15	38	64	0	0	60	428	38	2	0	
07:45 AM	to 08:00 AM	0	23	59	48	0	0	27	256	17	0	0	8	35	23	0	0	60	337	35	0	0	
08:00 AM	to 08:15 AM	0	27	46	84	0	1	14	260	12	0	0	12	64	23	0	0	64	424	24	0	0	
08:15 AM	to 08:30 AM	0	31	18	81	0	1	5	256	7	0	0	18	23	17	0	0	66	455	24	0	0	
08:30 AM	to 08:45 AM	0	13	57	59	0	0	3	227	11	0	0	11	26	8	0	0	80	246	20	2	0	
08:45 AM	to 09:00 AM	0	9	50	51	0	0	5	232	8	0	0	18	30	9	0	0	71	280	20	1	0	
09:00 AM	to 09:15 AM	0	13	57	66	0	1	4	212	4	0	0	11	15	11	0	0	43	307	20	0	0	
09:15 AM	to 09:30 AM	0	17	50	59	0	0	4	196	4	0	0	22	20	8	0	0	44	285	12	1	0	
09:30 AM	to 09:45 AM																						
09:45 AM	to 10:00 AM																						
10:00 AM	to 10:15 AM																						
10:15 AM	to 10:30 AM																						
10:30 AM	to 10:45 AM																						
10:45 AM	to 11:00 AM																						
11:00 AM	to 11:15 AM																						
11:15 AM	to 11:30 AM																						
USER-DEFINED PEAK HR		523					984					339					2027					2	
07:15 AM to 08:15 AM		0	70	169	284	0	4	60	871	49	0	0	44	156	139	0	0	227	1665	135			
Peak Hour Overall		U	Left	Thru	Right	SB	U	Left	Thru	Right	WB	U	Left	Thru	Right	NB	U	Left	Thru	Right	EB		
Factor (PHF)		0.92	n/a	0.65	0.72	0.84	0.83	0.50	0.56	0.84	0.72	0.82	n/a	0.73	0.61	0.54	0.72	n/a	0.89	0.87	0.89	0.91	
HEAVY VEHICLES (FHWA 4+)	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound						
		Wilson Lane (MD 188)					River Road (MD 190)					Wilson Lane (MD 188)					River Road (MD 190)						
		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right			
06:30 AM	to 06:45 AM	0	1	1	0		0	0	5	0		0	0	0	0		0	0	19	0			
06:45 AM	to 07:00 AM	0	0	0	1		0	0	1	0		0	2	1	0		0	1	31	0			
07:00 AM	to 07:15 AM	0	0	0	3		0	0	4	0		0	0	2	0		0	0	24	0			
07:15 AM	to 07:30 AM	0	0	1	1		0	0	10	0		0	0	1	1		0	3	16	2			
07:30 AM	to 07:45 AM	0	1	1	3		1	0	3	0		0	1	2	0		0	3	26	3			
07:45 AM	to 08:00 AM	0	0	3	3		0	0	10	4		0	0	2	2		0	2	22	3			
08:00 AM	to 08:15 AM	0	2	0	1		0	0	12	0		0	1	4	1		0	5	23	1			
08:15 AM	to 08:30 AM	0	1	0	2		0	1	12	0		0	2	0	2		0	3	33	1			
08:30 AM	to 08:45 AM	0	0	2	3		0	0	8	1		0	0	1	0		0	2	11	3			
08:45 AM	to 09:00 AM	0	0	0	1		0	0	16	0		0	1	0	0		0	1	18	1			
09:00 AM	to 09:15 AM	0	1	2	3		0	1	21	0		0	0	0	1		0	0	17	3			
09:15 AM	to 09:30 AM	0	2	2	2		0	0	18	1		0	4	2	0		0	1	14	2			
09:30 AM	to 09:45 AM																						
09:45 AM	to 10:00 AM																						
10:00 AM	to 10:15 AM																						
10:15 AM	to 10:30 AM																						
10:30 AM	to 10:45 AM																						
10:45 AM	to 11:00 AM																						
11:00 AM	to 11:15 AM																						
11:15 AM	to 11:30 AM																						
USER-DEFINED PEAK HR		16					40					15					109						
07:15 AM to 08:15 AM		0	3	5	8		1	0	35	4		0	2	9	4		0	13	87	9			
Heavy Vehicle % (PHV)		0.0%	4.3%	3.0%	2.8%	3.1%	25.0%	0.0%	4.0%	8.2%	4.1%	0.0%	4.5%	5.8%	2.9%	4.4%	0.0%	5.7%	5.2%	6.7%	5.4%		
INT. PEAK HR (HV ONLY)		17					43					17					125						
07:30 AM to 08:30 AM		0	4	4	9		1	1	37	4		0	4	8	5		0	13	104	8			
Heavy Vehicle % (PHV)		0.0%	4.3%	2.5%	3.0%	3.1%	25.0%	1.6%	3.9%	7.8%	4.0%	0.0%	7.5%	5.0%	3.9%	5.0%	0.0%	5.2%	6.3%	6.6%	6.2%		
BICYCLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound						
		Wilson Lane (MD 188)					River Road (MD 190)					Wilson Lane (MD 188)					River Road (MD 190)						
		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right			
06:30 AM	to 06:45 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
06:45 AM	to 07:00 AM	0	0	1	0		0	0	0	0		0	0	0	0		0	0	0	0			
07:00 AM	to 07:15 AM	0	0	1	0		0	0	1	0		0	0	1	0		0	0	0	0			
07:15 AM	to 07:30 AM	0	0	0	0		0	0	0	0		0	0	1	0		0	0	0	0			
07:30 AM	to 07:45 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
07:45 AM	to 08:00 AM	0	0	1	0		0	0	0	0		0	0	0	0		0	0	0	0			
08:00 AM	to 08:15 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
08:15 AM	to 08:30 AM	0	0	0	1		0	0	0	0		0	0	0	0		0	0	0	0			
08:30 AM	to 08:45 AM	0	0	1	0		0	0	0	0		0	0	0	0		0	0	0	0			
08:45 AM	to 09:00 AM	0	0	0	0		0	0	0	0		0	0	1	0		0	0	0	0			
09:00 AM	to 09:15 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
09:15 AM	to 09:30 AM	0	0	1	0		0	0	0	0		0	0	0	0		0	0	0	0			
09:30 AM	to 09:45 AM																						
09:45 AM	to 10:00 AM																						
10:00 AM	to 10:15 AM																						
10:15 AM	to 10:30 AM																						
10:30 AM	to 10:45 AM																						
10:45 AM	to 11:00 AM																						
11:00 AM	to 11:15 AM																						
11:15 AM	to 11:30 AM																						
USER-DEFINED PEAK HR		1					0					1					0						
07:15 AM to 08:15 AM		0	0	1	0		0	0	0	0		0	0	1	0		0	0	0	0			
INT. PEAK HR (BIKES)		2					1					1					0						
06:30 AM to 07:30 AM		0	0	0	2	0	0	0	1	0		0	0	1	1	0		0	0	0	0		

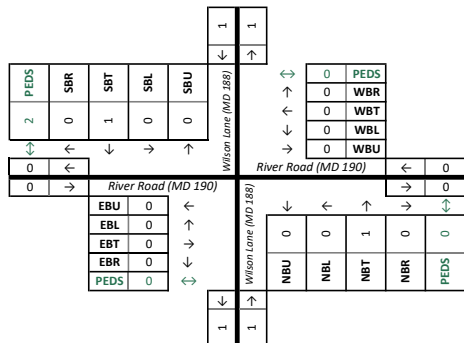
VEHICLE PEAK HOUR VOLS AND PHF: User-Defined (07:15 AM-08:15 AM)



HEAVY VEH PEAK HOUR VOLS AND PHV: User-Defined (07:15 AM-08:15 AM)



PED AND BIKE PEAK HOUR VOLUMES: User-Defined (07:15 AM-08:15 AM)



DATA COLLECTION NOTES :

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : Holton Arms School Expansion
Project # : 2009-005
Location : Montgomery County, MD
Data Source : Gorove/Slade Associates, Inc.

Analysis Period: STUDY PERIOD
Date of Counts: Tuesday, September 9, 2025
Weather: Partly Cloudy

06:30 AM to 09:30 AM

Volumes Displayed as: 3. User-Defined

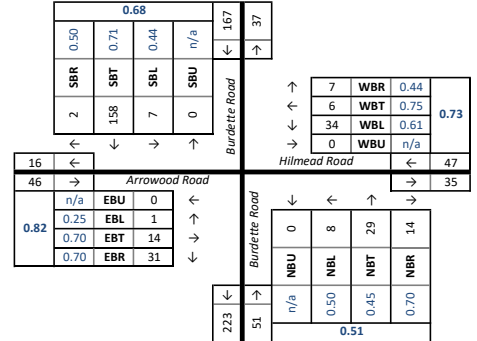
Intersection Peak Hour (all vehicles): 07:30 AM to 08:30 AM

System Peak Hour (all vehicles): 07:30 AM to 08:30 AM

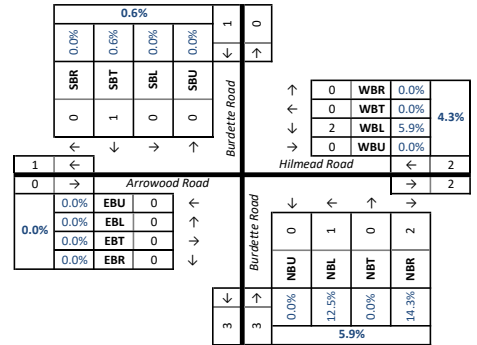
User-Defined Peak Hour: 07:15 AM to 08:15 AM

Intersection:		1. Burdette Road & Hilmead Road/Arrowood Road																									
ALL VEHICLES	Direction:	Southbound					Westbound					Northbound					Eastbound										
	Roadway:	Burdette Road					Hilmead Road					Burdette Road					Arrowood Road										
	Movement:	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds						
06:30 AM	to 06:45 AM	0	1	10	1	0	0	2	0	0	0	0	1	4	1	0	0	0	1	5	0						
06:45 AM	to 07:00 AM	0	0	8	0	1	0	2	0	0	0	0	1	2	1	0	0	0	1	3	0						
07:00 AM	to 07:15 AM	0	1	10	0	0	0	0	0	0	0	0	1	3	1	3	0	1	1	5	0						
07:15 AM	to 07:30 AM	0	0	21	0	0	0	5	2	0	0	0	2	1	1	5	0	0	5	3	0						
07:30 AM	to 07:45 AM	0	3	39	1	0	0	14	1	1	0	0	1	3	3	3	0	0	2	11	0						
07:45 AM	to 08:00 AM	0	0	42	0	0	0	7	2	2	0	0	1	9	5	0	0	0	2	9	0						
08:00 AM	to 08:15 AM	0	4	56	1	0	0	8	1	4	0	0	4	16	5	1	0	1	5	8	0						
08:15 AM	to 08:30 AM	0	2	38	1	0	0	6	3	0	0	0	3	11	4	2	0	0	1	6	0						
08:30 AM	to 08:45 AM	0	0	49	1	0	0	5	2	1	0	0	1	5	3	0	0	0	1	5	0						
08:45 AM	to 09:00 AM	0	3	35	1	0	0	5	1	1	0	0	4	4	3	1	0	0	1	3	0						
09:00 AM	to 09:15 AM	0	1	67	1	0	0	2	3	2	0	0	7	4	3	3	0	1	3	10	0						
09:15 AM	to 09:30 AM	0	0	76	1	1	0	3	0	2	0	0	4	11	3	1	0	1	1	3	0						
09:30 AM	to 09:45 AM																										
09:45 AM	to 10:00 AM																										
10:00 AM	to 10:15 AM																										
10:15 AM	to 10:30 AM																										
10:30 AM	to 10:45 AM																										
10:45 AM	to 11:00 AM																										
11:00 AM	to 11:15 AM																										
11:15 AM	to 11:30 AM																										
USER-DEFINED PEAK HR		167					47					51					9					46					0
07:15 AM	to 08:15 AM	0	7	158	2	0	0	34	6	7	0	0	8	29	14	9	0	1	14	31	0						
Peak Hour Factor (PHF)	Overall	U	Left	Thru	Right	SB	U	Left	Thru	Right	WB	U	Left	Thru	Right	NB	U	Left	Thru	Right	EB						
	0.69	n/a	0.44	0.71	0.50	0.68	n/a	0.61	0.75	0.44	0.73	n/a	0.50	0.45	0.70	0.51	n/a	0.25	0.70	0.70	0.82						
HEAVY VEHICLES (FHWA 4+)	Direction:	Southbound					Westbound					Northbound					Eastbound										
	Roadway:	Burdette Road					Hilmead Road					Burdette Road					Arrowood Road										
	Movement:	U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right							
06:30 AM	to 06:45 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0							
06:45 AM	to 07:00 AM	0	0	0	0		0	0	0	0		0	0	0	1		0	0	0	0							
07:00 AM	to 07:15 AM	0	1	0	0		0	0	0	0		0	0	0	1		0	0	0	1							
07:15 AM	to 07:30 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0							
07:30 AM	to 07:45 AM	0	0	0	0		0	0	0	0		0	1	0	1		0	0	0	0							
07:45 AM	to 08:00 AM	0	0	1	0		0	1	0	0		0	0	0	1		0	0	0	0							
08:00 AM	to 08:15 AM	0	0	0	0		0	1	0	0		0	0	0	0		0	0	0	0							
08:15 AM	to 08:30 AM	0	0	0	0		0	0	0	0		0	0	1	0		0	0	0	0							
08:30 AM	to 08:45 AM	0	0	2	0		0	1	0	0		0	0	0	0		0	0	0	0							
08:45 AM	to 09:00 AM	0	0	2	0		0	0	0	0		0	0	2	0		0	0	0	0							
09:00 AM	to 09:15 AM	0	1	4	1		0	0	0	0		0	1	0	0		0	0	0	0							
09:15 AM	to 09:30 AM	0	0	2	0		0	0	0	0		0	1	1	0		0	0	0	0							
09:30 AM	to 09:45 AM																										
09:45 AM	to 10:00 AM																										
10:00 AM	to 10:15 AM																										
10:15 AM	to 10:30 AM																										
10:30 AM	to 10:45 AM																										
10:45 AM	to 11:00 AM																										
11:00 AM	to 11:15 AM																										
11:15 AM	to 11:30 AM																										
USER-DEFINED PEAK HR		1					2					3					0										
07:15 AM	to 08:15 AM	0	0	1	0		0	2	0	0		0	1	0	2		0	0	0	0							
Heavy Vehicle % (PHV):		0.0%	0.0%	0.6%	0.0%	0.6%	0.0%	5.9%	0.0%	0.0%	4.3%	0.0%	12.5%	0.0%	14.3%	5.9%	0.0%	0.0%	0.0%	0.0%	0.0%						
INT. PEAK HR (HV ONLY)		12					1					5					0										
08:30 AM	to 09:30 AM	0	1	10	1		0	1	0	0		0	2	3	0		0	0	0	0							
Heavy Vehicle % (PHV):		0.0%	25.0%	4.4%	25.0%	5.1%	0.0%	6.7%	0.0%	0.0%	3.7%	0.0%	12.5%	12.5%	0.0%	9.6%	0.0%	0.0%	0.0%	0.0%	0.0%						
BICYCLES	Direction:	Southbound					Westbound					Northbound					Eastbound										
	Roadway:	Burdette Road					Hilmead Road					Burdette Road					Arrowood Road										
	Movement:	U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right							
06:30 AM	to 06:45 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0							
06:45 AM	to 07:00 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0							
07:00 AM	to 07:15 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0							
07:15 AM	to 07:30 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	1	0							
07:30 AM	to 07:45 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0							
07:45 AM	to 08:00 AM	0	0	0	0		0	0	1	0		0	0	0	0		0	0	0	0							
08:00 AM	to 08:15 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0							
08:15 AM	to 08:30 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0							
08:30 AM	to 08:45 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0							
08:45 AM	to 09:00 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0							
09:00 AM	to 09:15 AM	0	0	0	0		0	0	0	0		0	1	0	0		0	0	0	0							
09:15 AM	to 09:30 AM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0							
09:30 AM	to 09:45 AM																										
09:45 AM	to 10:00 AM																										
10:00 AM	to 10:15 AM																										
10:15 AM	to 10:30 AM																										
10:30 AM	to 10:45 AM																										
10:45 AM	to 11:00 AM																										
11:00 AM	to 11:15 AM																										
11:15 AM	to 11:30 AM																										
USER-DEFINED PEAK HR		0					1					0					1										
07:15 AM	to 08:15 AM	0	0	0	0		0	0	1	0		0	0	0	0		0	0	1	0							
INT. PEAK HR (BIKES)		0					1					0					1										
07:00 AM	to 08:00 AM	0	0	0	0		0	0	1	0		0	0	0	0		0	0	1	0							

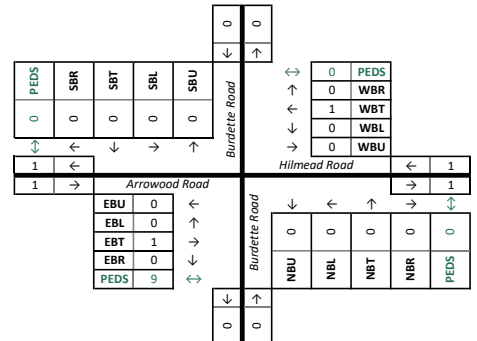
VEHICLE PEAK HOUR VOLS AND PHF: User-Defined (07:15 AM-08:15 AM)



HEAVY VEH PEAK HOUR VOLS AND PHV: User-Defined (07:15 AM-08:15 AM)



PED AND BIKE PEAK HOUR VOLUMES: User-Defined (07:15 AM-08:15 AM)



DATA COLLECTION NOTES :

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : Holton Arms School Expansion
 Project # : 2009-005
 Location : Montgomery County, MD
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period: STUDY PERIOD
 Date of Counts: Tuesday, September 9, 2025
 Weather: Partly Cloudy

02:00 PM to 07:00 PM

Volumes Displayed as: 2. System Peak (vehicle)

Intersection Peak Hour (all vehicles): 05:30 PM to 06:30 PM

System Peak Hour (all vehicles): 03:15 PM to 04:15 PM

User-Defined Peak Hour: 03:00 PM to 04:00 PM

Intersection:		1. I-495 SB On-Ramp/I-495 SB Off-Ramp & River Road (MD 190)																								
ALL VEHICLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound									
		I-495 SB On-Ramp					River Road (MD 190)					I-495 SB Off-Ramp					River Road (MD 190)									
		U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds					
02:00 PM	to 02:15 PM	0	0	0	0	0	0	0	166	55	0	0	73	0	2	0	0	0	179	72	0					
02:15 PM	to 02:30 PM	0	0	0	0	0	0	0	204	91	0	0	55	0	0	0	0	0	175	73	0					
02:30 PM	to 02:45 PM	0	0	0	0	0	0	0	236	82	0	0	51	0	0	0	0	0	194	65	0					
02:45 PM	to 03:00 PM	0	0	0	0	0	0	0	246	71	0	0	50	0	0	0	0	0	216	62	0					
03:00 PM	to 03:15 PM	0	0	0	0	0	0	0	246	83	0	0	65	0	0	0	0	0	224	66	0					
03:15 PM	to 03:30 PM	0	0	0	0	0	0	0	322	80	0	0	58	0	0	0	0	0	240	82	0					
03:30 PM	to 03:45 PM	0	0	0	0	0	0	0	306	77	0	0	62	0	0	0	0	0	284	85	0					
03:45 PM	to 04:00 PM	0	0	0	0	0	0	0	313	86	0	0	78	0	0	0	0	0	187	50	0					
04:00 PM	to 04:15 PM	0	0	0	0	0	0	0	339	51	0	0	68	0	0	0	0	0	229	42	0					
04:15 PM	to 04:30 PM	0	0	0	0	0	1	0	331	40	0	0	25	0	1	0	0	0	215	57	0					
04:30 PM	to 04:45 PM	0	0	0	0	0	0	0	343	41	0	0	27	0	0	0	0	0	271	47	0					
04:45 PM	to 05:00 PM	0	0	0	0	0	0	0	346	75	0	0	24	0	0	0	0	0	280	79	0					
05:00 PM	to 05:15 PM	0	0	0	0	0	0	0	368	63	0	0	22	0	0	0	1	0	195	70	0					
05:15 PM	to 05:30 PM	0	0	0	0	0	0	0	337	78	0	0	16	0	0	0	0	0	227	86	0					
05:30 PM	to 05:45 PM	0	0	0	0	0	0	0	322	107	0	0	23	0	0	0	0	0	234	103	0					
05:45 PM	to 06:00 PM	0	0	0	0	0	2	0	322	121	0	0	10	0	1	0	0	0	244	112	0					
06:00 PM	to 06:15 PM	0	0	0	0	0	0	0	301	99	0	0	19	0	0	0	0	0	280	106	0					
06:15 PM	to 06:30 PM	0	0	0	0	0	1	0	370	116	0	0	34	0	0	0	0	0	193	70	0					
06:30 PM	to 06:45 PM	0	0	0	0	0	0	0	321	78	0	0	29	0	0	0	0	0	179	79	0					
06:45 PM	to 07:00 PM	0	0	0	0	0	0	0	278	55	0	0	24	0	0	0	0	0	193	108	0					
SYSTEM PEAK HR (VEH.)		0					1574					266					1199					0				
03:15 PM to 04:15 PM		0	0	0	0	0	0	0	1280	294	0	0	266	0	0	0	0	0	940	259	0					
Peak Hour		Overall					SB					WB					NB					EB				
Factor (PHF)		0.93					n/a					n/a					n/a					n/a				
HEAVY VEHICLES (FHWA 4+)	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound									
		I-495 SB On-Ramp					River Road (MD 190)					I-495 SB Off-Ramp					River Road (MD 190)									
		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right						
02:00 PM	to 02:15 PM	0	0	0	0		0	0	9	0		0	2	0	0		0	0	17	6						
02:15 PM	to 02:30 PM	0	0	0	0		0	0	11	8		0	1	0	0		0	0	4	3						
02:30 PM	to 02:45 PM	0	0	0	0		0	0	17	1		0	1	0	0		0	0	18	2						
02:45 PM	to 03:00 PM	0	0	0	0		0	0	10	5		0	1	0	0		0	0	13	4						
03:00 PM	to 03:15 PM	0	0	0	0		0	0	6	6		0	2	0	0		0	0	10	2						
03:15 PM	to 03:30 PM	0	0	0	0		0	0	9	8		0	3	0	0		0	0	12	9						
03:30 PM	to 03:45 PM	0	0	0	0		0	0	7	1		0	0	0	0		0	0	14	3						
03:45 PM	to 04:00 PM	0	0	0	0		0	0	5	5		0	1	0	0		0	0	13	4						
04:00 PM	to 04:15 PM	0	0	0	0		0	0	15	6		0	0	0	0		0	0	8	2						
04:15 PM	to 04:30 PM	0	0	0	0		0	0	12	3		0	0	0	0		0	0	12	5						
04:30 PM	to 04:45 PM	0	0	0	0		0	0	12	3		0	0	0	0		0	0	4	2						
04:45 PM	to 05:00 PM	0	0	0	0		0	0	11	12		0	0	0	0		0	0	4	3						
05:00 PM	to 05:15 PM	0	0	0	0		0	0	11	4		0	1	0	0		0	0	3	2						
05:15 PM	to 05:30 PM	0	0	0	0		0	0	10	2		0	0	0	0		0	0	6	2						
05:30 PM	to 05:45 PM	0	0	0	0		0	0	8	1		0	0	0	0		0	0	1	4						
05:45 PM	to 06:00 PM	0	0	0	0		0	0	6	3		0	0	0	0		0	0	2	7						
06:00 PM	to 06:15 PM	0	0	0	0		0	0	4	4		0	0	0	0		0	0	4	3						
06:15 PM	to 06:30 PM	0	0	0	0		0	0	0	1		0	0	0	0		0	0	8	2						
06:30 PM	to 06:45 PM	0	0	0	0		0	0	11	2		0	1	0	0		0	0	2	2						
06:45 PM	to 07:00 PM	0	0	0	0		0	0	3	0		0	1	0	0		0	0	2	1						
SYSTEM PEAK HR (VEH.)		0					56					4					65									
03:15 PM to 04:15 PM		0	0	0	0		0	0	36	20		0	4	0	0		0	0	47	18						
Heavy Vehicle % (PHV):		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.8%	6.8%	3.6%	0.0%	1.5%	0.0%	0.0%	1.5%	0.0%	0.0%	5.0%	6.9%	5.4%					
INT. PEAK HR (HV ONLY)	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound									
		I-495 SB On-Ramp					River Road (MD 190)					I-495 SB Off-Ramp					River Road (MD 190)									
		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right						
02:30 PM	to 03:30 PM	0	0	0	0		0	0	42	20		0	7	0	0		0	0	53	17						
Heavy Vehicle % (PHV):		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%	6.3%	4.5%	0.0%	3.1%	0.0%	0.0%	3.1%	0.0%	0.0%	6.1%	6.2%	6.1%					
BICYCLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound									
		I-495 SB On-Ramp					River Road (MD 190)					I-495 SB Off-Ramp					River Road (MD 190)									
		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right						
02:00 PM	to 02:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0						
02:15 PM	to 02:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0						
02:30 PM	to 02:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0						
02:45 PM	to 03:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0						
03:00 PM	to 03:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0						
03:15 PM	to 03:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0						
03:30 PM	to 03:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0						
03:45 PM	to 04:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0						
04:00 PM	to 04:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	2	0						
04:15 PM	to 04:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	1	0						
04:30 PM	to 04:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0						
04:45 PM	to 05:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0						
05:00 PM	to 05:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0						
05:15 PM	to 05:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0						
05:30 PM	to 05:45 PM	0	0	0	0		0	0	1	0		0	0	0	0		0	0	0	0						
05:45 PM	to 06:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0						
06:00 PM	to 06:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0						
06:15 PM	to 06:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	1	0						
06:30 PM	to 06:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0						
06:45 PM	to 07:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0						
SYSTEM PEAK HR (VEH.)		0					0					0					2									
03:15 PM to 04:15 PM		0	0	0	0		0	0	0	0		0	0	0	0		0	0	2	0						
INT. PEAK HR (BIKES)		0					0					0					3									
03:30 PM to 04:30 PM		0	0	0	0		0	0	0	0		0	0	0	0		0	0	3	0						

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : Holton Arms School Expansion
 Project # : 2009-005
 Location : Montgomery County, MD
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period: STUDY PERIOD
 Date of Counts: Tuesday, September 9, 2025
 Weather: Partly Cloudy

02:00 PM to 07:00 PM

Volumes Displayed as: 2. System Peak (vehicle)

Intersection Peak Hour (all vehicles): 03:00 PM to 04:00 PM

System Peak Hour (all vehicles): 03:15 PM to 04:15 PM

User-Defined Peak Hour: 03:00 PM to 04:00 PM

Intersection:		1. I-495 NB On-Ramp/I-495 NB Off-Ramp & River Road (MD 190)																					
ALL VEHICLES	Direction:	Southbound					Westbound					Northbound					Eastbound						
	Roadway:	I-495 NB On-Ramp					River Road (MD 190)					I-495 NB Off-Ramp					River Road (MD 190)						
	Movement:	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds		
02:00 PM	to 02:15 PM	0	0	0	0	0	0	0	136	203	0	0	0	0	50	0	1	88	199	0	0		
02:15 PM	to 02:30 PM	0	0	0	0	0	0	0	205	208	0	0	0	0	66	0	1	81	260	0	0		
02:30 PM	to 02:45 PM	0	0	0	0	0	0	0	212	220	0	0	0	0	65	0	1	83	306	0	0		
02:45 PM	to 03:00 PM	0	0	0	0	0	0	0	221	232	0	0	0	0	66	0	1	91	288	0	0		
03:00 PM	to 03:15 PM	0	0	0	0	0	0	0	227	234	0	0	0	0	82	0	1	96	280	0	0		
03:15 PM	to 03:30 PM	0	0	0	0	0	0	0	263	254	0	0	0	0	79	0	1	86	343	0	0		
03:30 PM	to 03:45 PM	0	0	0	0	0	1	0	259	262	0	0	0	0	61	0	1	80	308	0	0		
03:45 PM	to 04:00 PM	0	0	0	0	0	0	0	259	259	0	0	0	0	52	0	0	79	274	0	0		
04:00 PM	to 04:15 PM	0	0	0	0	0	0	0	248	267	0	0	0	0	35	0	1	85	248	0	0		
04:15 PM	to 04:30 PM	0	0	0	0	0	0	0	260	232	0	0	0	0	59	0	2	66	205	0	0		
04:30 PM	to 04:45 PM	0	0	0	0	0	0	0	241	250	0	0	0	0	71	0	1	91	239	0	0		
04:45 PM	to 05:00 PM	0	0	0	0	0	0	0	280	239	0	0	0	0	61	0	1	85	256	0	0		
05:00 PM	to 05:15 PM	0	0	0	0	0	0	0	274	247	0	0	0	0	64	0	1	82	191	0	0		
05:15 PM	to 05:30 PM	0	0	0	0	0	0	0	280	241	0	0	0	0	69	0	2	41	212	0	0		
05:30 PM	to 05:45 PM	0	0	0	0	0	0	0	294	188	0	0	0	0	107	0	2	63	224	0	0		
05:45 PM	to 06:00 PM	0	0	0	0	0	0	0	281	161	0	0	0	0	133	0	3	41	226	0	0		
06:00 PM	to 06:15 PM	0	0	0	0	0	0	0	309	195	0	0	0	0	121	0	2	66	254	0	0		
06:15 PM	to 06:30 PM	0	0	0	0	0	0	0	311	233	0	0	0	0	96	0	0	84	210	0	0		
06:30 PM	to 06:45 PM	0	0	0	0	0	0	0	244	188	0	0	0	0	94	0	1	68	181	0	0		
06:45 PM	to 07:00 PM	0	0	0	0	0	0	0	191	153	0	0	0	0	90	0	0	70	203	0	0		
SYSTEM PEAK HR (VEH.)		0					2072					227					1506						
03:15 PM to 04:15 PM		0	0	0	0	0	1	0	1029	1042	0	0	0	0	227	0	3	330	1173	0	0		
Peak Hour Factor (PHF)		Overall	U	Left	Thru	Right	SB	U	Left	Thru	Right	WB	U	Left	Thru	Right	NB	U	Left	Thru	Right	EB	
		0.93	n/a	n/a	n/a	n/a	n/a	0.25	n/a	0.98	0.98	0.99	n/a	n/a	n/a	0.72	0.72	0.75	0.96	0.85	n/a	0.88	
HEAVY VEHICLES (FHWA 4+)	Direction:	Southbound					Westbound					Northbound					Eastbound						
	Roadway:	I-495 NB On-Ramp					River Road (MD 190)					I-495 NB Off-Ramp					River Road (MD 190)						
	Movement:	U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right			
02:00 PM	to 02:15 PM	0	0	0	0		0	0	6	14		0	0	0	1		0	13	10	0			
02:15 PM	to 02:30 PM	0	0	0	0		0	0	12	14		0	0	0	2		0	2	15	0			
02:30 PM	to 02:45 PM	0	0	0	0		0	0	11	7		0	0	0	2		0	11	16	0			
02:45 PM	to 03:00 PM	0	0	0	0		0	0	14	14		0	0	0	2		0	10	15	0			
03:00 PM	to 03:15 PM	0	0	0	0		0	0	8	19		0	0	0	7		0	6	13	0			
03:15 PM	to 03:30 PM	0	0	0	0		0	0	16	18		0	0	0	4		0	4	13	0			
03:30 PM	to 03:45 PM	0	0	0	0		0	0	6	8		0	0	0	2		0	3	14	0			
03:45 PM	to 04:00 PM	0	0	0	0		0	0	8	14		0	0	0	3		0	6	13	0			
04:00 PM	to 04:15 PM	0	0	0	0		0	0	19	19		0	0	0	2		0	1	9	0			
04:15 PM	to 04:30 PM	0	0	0	0		0	0	14	15		0	0	0	1		0	2	9	0			
04:30 PM	to 04:45 PM	0	0	0	0		0	0	14	19		0	0	0	2		0	4	2	0			
04:45 PM	to 05:00 PM	0	0	0	0		0	0	15	10		0	0	0	0		0	2	2	0			
05:00 PM	to 05:15 PM	0	0	0	0		0	0	7	7		0	0	0	2		0	2	2	0			
05:15 PM	to 05:30 PM	0	0	0	0		0	0	10	10		0	0	0	0		0	3	4	0			
05:30 PM	to 05:45 PM	0	0	0	0		0	0	5	4		0	0	0	2		0	1	1	0			
05:45 PM	to 06:00 PM	0	0	0	0		0	0	6	2		0	0	0	2		0	0	2	0			
06:00 PM	to 06:15 PM	0	0	0	0		0	0	4	6		0	0	0	1		0	1	3	0			
06:15 PM	to 06:30 PM	0	0	0	0		0	0	2	7		0	0	0	3		0	2	8	0			
06:30 PM	to 06:45 PM	0	0	0	0		0	0	5	5		0	0	0	2		0	1	2	0			
06:45 PM	to 07:00 PM	0	0	0	0		0	0	2	2		0	0	0	0		0	3	1	0			
SYSTEM PEAK HR (VEH.)		0					108					11					63						
03:15 PM to 04:15 PM		0	0	0	0		0	0	49	59		0	0	0	11		0	14	49	0			
Heavy Vehicle % (PHV):		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.8%	5.7%	5.2%	0.0%	0.0%	0.0%	4.8%	4.8%	0.0%	4.2%	4.2%	0.0%	4.2%		
INT. PEAK HR (HV ONLY)	Direction:	Southbound					Westbound					Northbound					Eastbound						
	Roadway:	I-495 NB On-Ramp					River Road (MD 190)					I-495 NB Off-Ramp					River Road (MD 190)						
	Movement:	U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right			
02:30 PM	to 03:30 PM	0	0	0	0		0	0	49	58		0	0	0	15		0	31	57	0			
Heavy Vehicle % (PHV):		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.3%	6.2%	5.7%	0.0%	0.0%	0.0%	5.1%	5.1%	0.0%	8.7%	4.7%	0.0%	5.6%		
BICYCLES	Direction:	Southbound					Westbound					Northbound					Eastbound						
	Roadway:	I-495 NB On-Ramp					River Road (MD 190)					I-495 NB Off-Ramp					River Road (MD 190)						
	Movement:	U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right			
02:00 PM	to 02:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
02:15 PM	to 02:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
02:30 PM	to 02:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
02:45 PM	to 03:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
03:00 PM	to 03:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
03:15 PM	to 03:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
03:30 PM	to 03:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
03:45 PM	to 04:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
04:00 PM	to 04:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	1	0			
04:15 PM	to 04:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	2	0			
04:30 PM	to 04:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
04:45 PM	to 05:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
05:00 PM	to 05:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
05:15 PM	to 05:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
05:30 PM	to 05:45 PM	0	0	0	0		0	0	1	0		0	0	0	0		0	0	0	0			
05:45 PM	to 06:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
06:00 PM	to 06:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
06:15 PM	to 06:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
06:30 PM	to 06:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
06:45 PM	to 07:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
SYSTEM PEAK HR (VEH.)		0					0					0					1						
03:15 PM to 04:15 PM		0	0	0	0		0	0	0	0		0	0	0	0		0	0	1	0			
INT. PEAK HR (BIKES)		0					0					0					3						
03:30 PM to 04:30 PM		0	0	0	0		0	0	0	0		0	0	0	0		0	0	3	0			

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : Holton Arms School Expansion
 Project # : 2009-005
 Location : Montgomery County, MD
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period: STUDY PERIOD
 Date of Counts: Tuesday, September 9, 2025
 Weather: Partly Cloudy

02:00 PM to 07:00 PM

Volumes Displayed as: 2. System Peak (vehicle)

Intersection Peak Hour (all vehicles): 03:00 PM to 04:00 PM

System Peak Hour (all vehicles): 03:15 PM to 04:15 PM

User-Defined Peak Hour: 03:00 PM to 04:00 PM

Intersection:		1. Burdette Road & River Road (MD 190)																				
ALL VEHICLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound					
		Burdette Road					River Road (MD 190)					Burdette Road					River Road (MD 190)					
		U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	
02:00 PM	to 02:15 PM	0	16	0	29	0	0	0	314	5	0	0	0	0	1	0	2	19	231	2	0	
02:15 PM	to 02:30 PM	0	5	0	28	1	0	1	383	5	0	0	4	1	0	0	0	29	282	5	0	
02:30 PM	to 02:45 PM	0	5	2	35	0	0	3	392	14	1	0	4	1	6	0	2	21	341	5	0	
02:45 PM	to 03:00 PM	0	22	1	20	0	0	0	432	10	0	0	7	0	0	0	0	31	307	7	0	
03:00 PM	to 03:15 PM	0	8	0	41	0	0	1	416	9	0	0	4	1	2	0	4	31	337	5	0	
03:15 PM	to 03:30 PM	0	9	2	45	0	1	1	446	19	0	0	6	1	2	0	2	25	402	4	0	
03:30 PM	to 03:45 PM	0	14	1	31	0	1	1	487	14	0	0	4	1	0	0	2	25	304	6	0	
03:45 PM	to 04:00 PM	0	13	0	39	0	0	0	480	20	2	0	3	0	1	0	3	25	323	0	0	
04:00 PM	to 04:15 PM	0	6	2	33	0	0	1	492	12	2	0	6	2	0	0	1	18	248	6	0	
04:15 PM	to 04:30 PM	0	15	0	46	0	0	2	447	14	1	0	6	1	2	1	1	20	233	6	0	
04:30 PM	to 04:45 PM	0	17	2	37	0	0	2	463	5	1	0	3	0	0	0	7	24	282	3	0	
04:45 PM	to 05:00 PM	0	17	2	43	0	0	1	429	9	1	0	7	3	0	0	6	25	290	6	0	
05:00 PM	to 05:15 PM	0	27	2	53	0	1	1	471	14	1	0	8	2	2	0	9	17	223	5	0	
05:15 PM	to 05:30 PM	0	25	1	49	0	0	0	453	7	0	0	5	2	0	0	6	19	259	2	0	
05:30 PM	to 05:45 PM	0	20	2	59	0	1	0	444	11	0	0	6	0	1	0	5	17	279	7	0	
05:45 PM	to 06:00 PM	0	37	0	87	0	0	0	328	6	0	0	7	1	0	0	9	27	334	6	0	
06:00 PM	to 06:15 PM	0	22	6	73	0	1	0	386	6	2	0	7	2	0	0	12	31	319	8	0	
06:15 PM	to 06:30 PM	0	12	0	34	0	2	0	485	9	0	0	1	2	3	0	6	21	281	5	0	
06:30 PM	to 06:45 PM	0	10	1	34	0	0	0	394	12	0	0	5	1	0	0	1	24	241	5	0	
06:45 PM	to 07:00 PM	0	1	2	22	0	0	0	296	5	2	0	6	0	1	0	1	26	262	5	0	
SYSTEM PEAK HR (VEH.)		195					1975					26					1394					
03:15 PM to 04:15 PM		0	42	5	148	0	2	3	1905	65	4	0	19	4	3	0	8	93	1277	16	0	
Peak Hour Factor (PHF)		Overall	U	Left	Thru	Right	SB	U	Left	Thru	Right	WB	U	Left	Thru	Right	NB	U	Left	Thru	Right	EB
		0.93	n/a	0.75	0.63	0.82	0.87	0.50	0.75	0.97	0.81	0.98	n/a	0.79	0.50	0.38	0.72	0.67	0.93	0.79	0.67	0.80
HEAVY VEHICLES (FHWA 4+)	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound					
		Burdette Road					River Road (MD 190)					Burdette Road					River Road (MD 190)					
		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		
02:00 PM	to 02:15 PM	0	2	0	1		0	0	24	1		0	0	0	0		0	0	9	1		
02:15 PM	to 02:30 PM	0	0	0	0		0	0	22	0		0	1	1	0		0	0	18	0		
02:30 PM	to 02:45 PM	0	0	0	1		0	1	15	1		0	0	0	0		0	1	16	0		
02:45 PM	to 03:00 PM	0	1	0	1		0	0	26	1		0	1	0	0		0	0	17	0		
03:00 PM	to 03:15 PM	0	0	0	1		0	0	28	0		0	0	0	0		0	0	19	0		
03:15 PM	to 03:30 PM	0	1	1	1		0	1	27	0		0	0	0	0		0	0	18	0		
03:30 PM	to 03:45 PM	0	0	1	0		0	0	19	1		0	0	0	0		0	0	15	0		
03:45 PM	to 04:00 PM	0	2	0	2		0	0	19	0		0	0	0	0		0	2	15	0		
04:00 PM	to 04:15 PM	0	0	0	1		0	0	43	1		0	0	0	0		0	1	10	0		
04:15 PM	to 04:30 PM	0	1	0	0		0	0	27	1		0	1	0	0		0	0	9	1		
04:30 PM	to 04:45 PM	0	0	0	2		0	0	34	1		0	0	0	0		0	1	3	0		
04:45 PM	to 05:00 PM	0	1	0	2		0	0	21	1		0	1	0	0		1	0	2	0		
05:00 PM	to 05:15 PM	0	1	0	0		0	0	19	1		0	0	0	0		0	0	4	0		
05:15 PM	to 05:30 PM	0	0	0	0		0	0	13	1		0	0	0	0		0	0	6	0		
05:30 PM	to 05:45 PM	0	1	0	0		0	0	8	0		0	0	0	0		0	0	3	0		
05:45 PM	to 06:00 PM	0	0	0	1		0	0	11	1		0	0	0	0		0	1	3	0		
06:00 PM	to 06:15 PM	0	0	0	0		0	0	6	0		0	0	0	0		0	0	3	0		
06:15 PM	to 06:30 PM	0	0	0	0		0	0	10	0		0	0	0	0		0	0	10	0		
06:30 PM	to 06:45 PM	0	0	0	0		0	0	9	0		0	0	0	0		0	0	4	0		
06:45 PM	to 07:00 PM	0	0	0	0		0	0	4	0		0	0	0	0		0	0	2	0		
SYSTEM PEAK HR (VEH.)		9					111					0					61					
03:15 PM to 04:15 PM		0	3	2	4		0	1	108	2		0	0	0	0		0	3	58	0		
Heavy Vehicle % (PHV):		0.0%	7.1%	40.0%	2.7%	4.6%	0.0%	33.3%	5.7%	3.1%	5.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	4.5%	0.0%	4.4%	
INT. PEAK HR (HV ONLY)		9					111					0					61					
03:15 PM to 04:15 PM		0	3	2	4		0	1	108	2		0	0	0	0		0	3	58	0		
Heavy Vehicle % (PHV):		0.0%	7.1%	40.0%	2.7%	4.6%	0.0%	33.3%	5.7%	3.1%	5.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	4.5%	0.0%	4.4%	
BICYCLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound					
		Burdette Road					River Road (MD 190)					Burdette Road					River Road (MD 190)					
		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		
02:00 PM	to 02:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
02:15 PM	to 02:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
02:30 PM	to 02:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
02:45 PM	to 03:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
03:00 PM	to 03:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
03:15 PM	to 03:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
03:30 PM	to 03:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
03:45 PM	to 04:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
04:00 PM	to 04:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	1	0		
04:15 PM	to 04:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	1	0		
04:30 PM	to 04:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
04:45 PM	to 05:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
05:00 PM	to 05:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
05:15 PM	to 05:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
05:30 PM	to 05:45 PM	0	0	0	0		0	0	1	0		0	0	0	0		0	0	0	0		
05:45 PM	to 06:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
06:00 PM	to 06:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
06:15 PM	to 06:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	1	0		
06:30 PM	to 06:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
06:45 PM	to 07:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0		
SYSTEM PEAK HR (VEH.)		0					0					0					1					
03:15 PM to 04:15 PM		0	0	0	0		0	0	0	0		0	0	0	0		0	0	1	0		
INT. PEAK HR (BIKES)		0					0					0					2					
03:30 PM to 04:30 PM		0	0	0	0		0	0	0	0		0	0	0	0		0	0	2	0		

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : Holton Arms School Expansion
 Project # : 2009-005
 Location : Montgomery County, MD
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period: STUDY PERIOD
 Date of Counts: Tuesday, September 9, 2025
 Weather: Partly Cloudy

02:00 PM to 07:00 PM

Volumes Displayed as: 2. System Peak (vehicle)

Intersection Peak Hour (all vehicles): 03:00 PM to 04:00 PM

System Peak Hour (all vehicles): 03:15 PM to 04:15 PM

User-Defined Peak Hour: 03:00 PM to 04:00 PM

Intersection:		1. Royal Dominion Drive & River Road (MD 190)																					
ALL VEHICLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound						
		Royal Dominion Drive					River Road (MD 190)					Royal Dominion Drive					River Road (MD 190)						
		U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds		
02:00 PM	to 02:15 PM	0	3	0	3	0	0	4	315	5	0	0	0	0	2	0	1	4	241	1	0		
02:15 PM	to 02:30 PM	0	3	0	6	0	0	2	381	2	0	0	2	0	5	0	0	9	272	6	0		
02:30 PM	to 02:45 PM	0	1	0	2	0	0	11	405	3	0	0	1	0	4	0	1	8	333	10	0		
02:45 PM	to 03:00 PM	0	2	0	9	0	1	20	434	12	0	0	0	0	2	0	1	13	303	12	0		
03:00 PM	to 03:15 PM	0	2	0	11	0	0	10	402	24	0	0	13	3	15	0	1	21	311	13	0		
03:15 PM	to 03:30 PM	0	9	0	9	0	0	7	446	20	0	0	12	3	30	0	0	36	376	2	0		
03:30 PM	to 03:45 PM	0	45	1	59	0	0	3	437	34	2	0	7	1	7	1	0	24	290	5	0		
03:45 PM	to 04:00 PM	0	56	1	70	0	0	4	427	18	2	0	2	1	2	3	1	24	311	2	0		
04:00 PM	to 04:15 PM	0	21	0	43	0	2	4	455	23	0	0	6	1	6	1	0	13	240	1	0		
04:15 PM	to 04:30 PM	0	13	0	24	0	1	3	430	16	1	0	9	0	6	0	0	21	225	4	0		
04:30 PM	to 04:45 PM	0	11	1	17	0	1	12	446	33	1	0	5	0	8	0	2	26	265	6	0		
04:45 PM	to 05:00 PM	0	13	0	23	0	0	9	409	13	0	0	6	1	11	0	1	13	289	3	0		
05:00 PM	to 05:15 PM	0	9	0	16	0	1	9	470	9	2	0	0	0	1	3	2	1	15	236	1	0	
05:15 PM	to 05:30 PM	0	12	0	14	0	0	6	441	14	1	0	2	1	8	1	1	9	269	5	0		
05:30 PM	to 05:45 PM	0	19	0	29	0	0	6	423	13	1	0	4	0	3	1	0	16	281	4	0		
05:45 PM	to 06:00 PM	0	11	0	30	0	0	6	299	15	0	0	3	0	3	0	2	20	345	4	0		
06:00 PM	to 06:15 PM	0	61	1	40	0	1	7	350	13	0	0	2	0	3	0	1	9	331	1	0		
06:15 PM	to 06:30 PM	0	21	0	22	0	0	6	473	12	0	0	1	0	5	0	1	4	292	1	0		
06:30 PM	to 06:45 PM	0	11	0	21	0	0	4	384	0	0	0	0	0	3	0	0	5	247	0	0		
06:45 PM	to 07:00 PM	0	6	0	11	0	0	6	286	1	0	0	3	0	4	0	1	3	256	2	0		
SYSTEM PEAK HR (VEH.)		314					1880					78					1325						
03:15 PM to 04:15 PM		0	131	2	181	0	2	18	1765	95	4	0	27	6	45	5	1	97	1217	10	0		
Peak Hour Factor (PHF)		Overall	U	Left	Thru	Right	SB	U	Left	Thru	Right	WB	U	Left	Thru	Right	NB	U	Left	Thru	Right	EB	
		0.95	n/a	0.58	0.50	0.65	0.62	0.25	0.64	0.97	0.70	0.97	n/a	0.56	0.50	0.38	0.43	0.25	0.67	0.81	0.50	0.80	
HEAVY VEHICLES (FHWA 4+)	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound						
		Royal Dominion Drive					River Road (MD 190)					Royal Dominion Drive					River Road (MD 190)						
		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right			
02:00 PM	to 02:15 PM	0	0	0	0		0	0	25	0		0	0	0	1		0	0	11	0			
02:15 PM	to 02:30 PM	0	0	0	0		0	0	22	0		0	0	0	0		0	0	18	0			
02:30 PM	to 02:45 PM	0	0	0	0		0	1	17	0		0	0	0	1		0	0	16	0			
02:45 PM	to 03:00 PM	0	0	0	1		1	0	26	0		0	0	0	0		0	0	18	0			
03:00 PM	to 03:15 PM	0	0	0	0		0	0	28	1		0	0	0	0		0	2	18	0			
03:15 PM	to 03:30 PM	0	0	0	0		0	0	28	1		0	0	0	1		0	2	17	0			
03:30 PM	to 03:45 PM	0	1	0	0		0	0	20	0		0	0	0	0		0	1	14	0			
03:45 PM	to 04:00 PM	0	3	0	3		0	0	16	0		0	0	1	0		0	0	17	0			
04:00 PM	to 04:15 PM	0	1	0	1		0	0	43	2		0	0	0	0		0	0	10	0			
04:15 PM	to 04:30 PM	0	0	0	2		0	1	26	0		0	0	0	0		0	0	10	0			
04:30 PM	to 04:45 PM	0	0	0	0		0	0	35	2		0	0	0	1		0	0	3	0			
04:45 PM	to 05:00 PM	0	0	0	0		0	0	22	0		0	0	0	0		0	0	3	0			
05:00 PM	to 05:15 PM	0	0	0	0		0	0	21	0		0	0	0	0		0	0	5	0			
05:15 PM	to 05:30 PM	0	0	0	0		0	0	14	0		0	0	0	0		0	0	6	0			
05:30 PM	to 05:45 PM	0	0	0	0		0	0	8	0		0	0	0	0		0	1	3	0			
05:45 PM	to 06:00 PM	0	0	0	1		0	0	11	0		0	0	0	0		0	1	2	0			
06:00 PM	to 06:15 PM	0	3	0	1		0	0	5	0		0	0	0	0		0	0	3	0			
06:15 PM	to 06:30 PM	0	0	0	1		0	0	9	2		0	0	0	0		0	0	11	0			
06:30 PM	to 06:45 PM	0	0	0	1		0	0	9	0		0	0	0	0		0	2	2	0			
06:45 PM	to 07:00 PM	0	0	0	0		0	0	4	0		0	0	0	0		0	0	2	0			
SYSTEM PEAK HR (VEH.)		9					110					2					61						
03:15 PM to 04:15 PM		0	5	0	4		0	0	107	3		0	0	1	1		0	3	58	0			
Heavy Vehicle % (PHV):		0.0%	3.8%	0.0%	2.2%	2.9%	0.0%	0.0%	6.1%	3.2%	5.9%	0.0%	0.0%	16.7%	2.2%	2.6%	0.0%	3.1%	4.8%	0.0%	4.6%		
INT. PEAK HR (HV ONLY)	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound						
		Royal Dominion Drive					River Road (MD 190)					Royal Dominion Drive					River Road (MD 190)						
		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right			
03:15 PM	to 04:15 PM	0	5	0	4		0	0	107	3		0	0	1	1		0	3	58	0			
Heavy Vehicle % (PHV):		0.0%	3.8%	0.0%	2.2%	2.9%	0.0%	0.0%	6.1%	3.2%	5.9%	0.0%	0.0%	16.7%	2.2%	2.6%	0.0%	3.1%	4.8%	0.0%	4.6%		
BICYCLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound						
		Royal Dominion Drive					River Road (MD 190)					Royal Dominion Drive					River Road (MD 190)						
		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right			
02:00 PM	to 02:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
02:15 PM	to 02:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
02:30 PM	to 02:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
02:45 PM	to 03:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
03:00 PM	to 03:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
03:15 PM	to 03:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
03:30 PM	to 03:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
03:45 PM	to 04:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
04:00 PM	to 04:15 PM	0	2	0	0		0	0	0	0		0	0	0	0		0	0	1	0			
04:15 PM	to 04:30 PM	0	1	0	0		0	0	0	0		0	0	0	0		0	0	2	0			
04:30 PM	to 04:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
04:45 PM	to 05:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
05:00 PM	to 05:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
05:15 PM	to 05:30 PM	0	0	0	0		0	0	1	0		0	0	0	0		0	0	0	0			
05:30 PM	to 05:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
05:45 PM	to 06:00 PM	0	0	0	0		0	1	0	0		0	0	0	0		0	0	0	0			
06:00 PM	to 06:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
06:15 PM	to 06:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	1	0			
06:30 PM	to 06:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
06:45 PM	to 07:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
SYSTEM PEAK HR (VEH.)		2					0					0					1						
03:15 PM to 04:15 PM		0	2	0	0		0	0	0	0		0	0	0	0		0	0	1	0			
INT. PEAK HR (BIKES)		3					0					0					3						
03:30 PM to 04:30 PM		0	3	0	0		0	0	0	0		0	0	0	0		0	0	3	0			

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : Holton Arms School Expansion
 Project # : 2009-005
 Location : Montgomery County, MD
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period: STUDY PERIOD
 Date of Counts: Tuesday, September 9, 2025
 Weather: Partly Cloudy

02:00 PM to 07:00 PM

Volumes Displayed as: 2. System Peak (vehicle)

Intersection Peak Hour (all vehicles): 03:00 PM to 04:00 PM

System Peak Hour (all vehicles): 03:15 PM to 04:15 PM

User-Defined Peak Hour: 03:00 PM to 04:00 PM

Intersection:		1. Beech Tree Road/Nevis Road & River Road (MD 190)																					
ALL VEHICLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound						
		Beech Tree Road					River Road (MD 190)					Nevis Road					River Road (MD 190)						
		U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds		
02:00 PM	to 02:15 PM	0	8	1	13	0	0	4	295	6	0	0	15	2	6	0	1	6	227	12	0		
02:15 PM	to 02:30 PM	0	4	0	9	0	0	5	371	8	1	0	6	1	3	0	0	12	255	14	0		
02:30 PM	to 02:45 PM	0	5	3	13	0	0	17	393	11	1	0	14	1	7	0	0	20	301	18	0		
02:45 PM	to 03:00 PM	0	4	10	19	0	0	11	434	7	0	0	14	0	8	0	0	4	274	30	0		
03:00 PM	to 03:15 PM	0	3	4	12	0	0	6	381	13	0	0	42	13	10	0	1	6	308	13	0		
03:15 PM	to 03:30 PM	0	5	3	9	0	0	7	443	13	0	0	21	4	6	0	0	19	378	19	0		
03:30 PM	to 03:45 PM	0	8	0	15	0	0	4	438	11	0	0	20	1	8	0	1	14	311	16	0		
03:45 PM	to 04:00 PM	0	9	4	27	0	1	7	408	13	1	0	17	5	5	0	0	19	339	12	0		
04:00 PM	to 04:15 PM	0	15	0	19	0	1	8	446	12	0	0	19	2	6	0	0	9	243	17	0		
04:15 PM	to 04:30 PM	0	11	4	20	0	1	5	412	12	0	0	20	2	4	0	0	1	240	4	0		
04:30 PM	to 04:45 PM	0	8	0	16	0	2	7	449	6	0	0	25	3	12	0	0	8	269	9	0		
04:45 PM	to 05:00 PM	0	10	4	12	0	1	9	406	8	0	0	14	3	6	0	0	16	292	6	0		
05:00 PM	to 05:15 PM	0	8	1	13	0	0	9	456	7	0	0	20	0	6	0	0	7	239	3	0		
05:15 PM	to 05:30 PM	0	6	6	12	0	0	11	432	7	0	0	17	2	9	0	0	11	261	15	0		
05:30 PM	to 05:45 PM	0	20	2	18	0	1	9	408	12	0	0	15	8	6	0	0	7	285	10	0		
05:45 PM	to 06:00 PM	0	13	1	12	0	3	10	289	13	0	0	19	5	10	0	0	11	335	13	0		
06:00 PM	to 06:15 PM	0	21	4	16	0	0	13	344	16	0	0	11	5	10	0	0	16	370	8	0		
06:15 PM	to 06:30 PM	0	5	1	11	1	0	17	472	12	0	0	8	1	5	0	0	16	292	11	0		
06:30 PM	to 06:45 PM	0	11	0	18	1	0	7	364	6	1	0	5	1	2	0	0	14	242	4	0		
06:45 PM	to 07:00 PM	0	3	3	6	0	0	8	276	8	0	0	11	3	3	0	0	13	241	12	0		
SYSTEM PEAK HR (VEH.)		114					1812					114					1397						
03:15 PM to 04:15 PM		U	37	7	70	0	U	26	1735	49	1	U	77	12	25	0	U	61	1271	64	0		
Peak Hour		Overall	U	Left	Thru	Right	SB	U	Left	Thru	Right	WB	U	Left	Thru	Right	NB	U	Left	Thru	Right	EB	
Factor (PHF)		0.93	n/a	0.62	0.44	0.65	0.71	0.50	0.81	0.97	0.94	0.97	n/a	0.92	0.60	0.78	0.92	0.25	0.80	0.84	0.84	0.84	
HEAVY VEHICLES (FHWA 4+)	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound						
		Beech Tree Road					River Road (MD 190)					Nevis Road					River Road (MD 190)						
		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right			
02:00 PM	to 02:15 PM	0	1	1	0		0	0	24	1		0	1	1	0		1	1	9	1			
02:15 PM	to 02:30 PM	0	0	0	0		0	0	22	1		0	0	0	0		0	0	18	0			
02:30 PM	to 02:45 PM	0	1	0	0		0	0	16	2		0	2	0	0		0	1	16	0			
02:45 PM	to 03:00 PM	0	1	0	2		0	0	24	0		0	1	0	2		0	2	14	2			
03:00 PM	to 03:15 PM	0	0	0	1		0	0	28	0		0	0	1	0		0	1	16	1			
03:15 PM	to 03:30 PM	0	0	0	0		0	0	27	2		0	2	0	0		0	2	14	2			
03:30 PM	to 03:45 PM	0	0	0	2		0	0	18	1		0	0	0	0		0	1	14	0			
03:45 PM	to 04:00 PM	0	2	0	4		0	2	11	1		0	1	1	0		0	2	17	1			
04:00 PM	to 04:15 PM	0	5	0	4		0	0	41	1		0	0	0	0		0	0	11	0			
04:15 PM	to 04:30 PM	0	2	0	0		0	1	26	1		0	1	0	0		0	0	9	1			
04:30 PM	to 04:45 PM	0	1	0	1		0	0	33	0		0	3	0	0		0	0	2	2			
04:45 PM	to 05:00 PM	0	0	0	2		1	1	19	1		0	1	0	0		0	0	2	1			
05:00 PM	to 05:15 PM	0	0	0	2		0	0	16	0		0	3	0	1		0	0	5	0			
05:15 PM	to 05:30 PM	0	0	0	0		0	0	14	0		0	0	0	0		0	0	6	0			
05:30 PM	to 05:45 PM	0	0	0	0		0	0	7	0		0	1	0	0		0	0	2	1			
05:45 PM	to 06:00 PM	0	0	0	1		0	0	8	0		0	2	0	0		0	0	2	0			
06:00 PM	to 06:15 PM	0	0	0	0		0	0	5	0		0	0	0	0		0	0	6	0			
06:15 PM	to 06:30 PM	0	0	0	0		0	0	10	0		0	1	0	0		0	2	9	0			
06:30 PM	to 06:45 PM	0	0	0	0		0	0	9	0		0	0	0	0		0	0	2	0			
06:45 PM	to 07:00 PM	0	0	0	2		0	0	2	0		0	0	0	0		0	0	2	0			
SYSTEM PEAK HR (VEH.)		17					104					4					64						
03:15 PM to 04:15 PM		U	7	0	10		U	2	97	5		U	3	1	0		U	5	56	3			
Heavy Vehicle % (PHV):		0.0%	18.9%	0.0%	14.3%	14.9%	0.0%	7.7%	5.6%	10.2%	5.7%	0.0%	3.9%	8.3%	0.0%	3.5%	0.0%	8.2%	4.4%	4.7%	4.6%		
INT. PEAK HR (HV ONLY)	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound						
		Beech Tree Road					River Road (MD 190)					Nevis Road					River Road (MD 190)						
		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right			
03:15 PM	to 04:15 PM	0	7	0	10		U	2	97	5		U	3	1	0		U	5	56	3			
Heavy Vehicle % (PHV):		0.0%	18.9%	0.0%	14.3%	14.9%	0.0%	7.7%	5.6%	10.2%	5.7%	0.0%	3.9%	8.3%	0.0%	3.5%	0.0%	8.2%	4.4%	4.7%	4.6%		
BICYCLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound						
		Beech Tree Road					River Road (MD 190)					Nevis Road					River Road (MD 190)						
		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right			
02:00 PM	to 02:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
02:15 PM	to 02:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
02:30 PM	to 02:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
02:45 PM	to 03:00 PM	0	0	1	0		0	0	0	0		0	0	0	0		0	0	0	0			
03:00 PM	to 03:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
03:15 PM	to 03:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
03:30 PM	to 03:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
03:45 PM	to 04:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
04:00 PM	to 04:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	2	1	0			
04:15 PM	to 04:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	2	1			
04:30 PM	to 04:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
04:45 PM	to 05:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
05:00 PM	to 05:15 PM	0	1	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
05:15 PM	to 05:30 PM	0	0	0	0		0	0	1	0		0	0	1	0		0	0	0	0			
05:30 PM	to 05:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
05:45 PM	to 06:00 PM	0	0	0	0		0	0	1	0		0	0	0	0		0	0	0	0			
06:00 PM	to 06:15 PM	0	0	0	0		0	0	0	0		0	0	1	0		0	0	0	0			
06:15 PM	to 06:30 PM	0	0	0	0		0	0	0	0		0	0	3	0		0	0	1	0			
06:30 PM	to 06:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
06:45 PM	to 07:00 PM	0	0	1	0		0	0	0	0		0	0	0	0		0	0	0	0			
SYSTEM PEAK HR (VEH.)		0					0					0					3						
03:15 PM to 04:15 PM		U	0	0	0	0	U	0	0	0	0	U	0	1	0	0	U	0	2	1	0		
INT. PEAK HR (BIKES)		0					0					0					6						
03:30 PM to 04:30 PM		U	0	0	0	0	U	0	0	0	0	U	0	0	0	0	U	0	2	3	1		

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : Holton Arms School Expansion
Project # : 2009-005
Location : Montgomery County, MD
Data Source : Gorove/Slade Associates, Inc.

Analysis Period: STUDY PERIOD
Date of Counts: Tuesday, September 9, 2025
Weather: Partly Cloudy

02:00 PM to 07:00 PM

Volumes Displayed as: 2. System Peak (vehicle)

Intersection Peak Hour (all vehicles): 03:15 PM to 04:15 PM

System Peak Hour (all vehicles): 03:15 PM to 04:15 PM

User-Defined Peak Hour: 03:00 PM to 04:00 PM

Intersection:		1. Wilson Lane (MD 188) & River Road (MD 190)																					
ALL VEHICLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound						
		Wilson Lane (MD 188)					River Road (MD 190)					Wilson Lane (MD 188)					River Road (MD 190)						
		U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds		
02:00 PM	to 02:15 PM	0	10	21	49	1	1	6	248	5	0	0	8	16	10	0	1	22	209	9	1		
02:15 PM	to 02:30 PM	0	9	21	54	0	0	6	313	11	0	0	17	23	10	0	0	34	220	8	0		
02:30 PM	to 02:45 PM	0	7	37	86	0	5	21	317	17	0	0	18	23	13	0	0	37	270	6	0		
02:45 PM	to 03:00 PM	0	13	29	59	0	1	7	369	16	0	0	24	23	10	0	2	35	242	7	1		
03:00 PM	to 03:15 PM	1	18	22	84	0	0	11	302	19	0	0	14	18	16	0	0	38	273	10	0		
03:15 PM	to 03:30 PM	2	34	43	108	0	2	10	342	22	0	0	13	38	12	0	1	60	314	14	3		
03:30 PM	to 03:45 PM	0	9	40	85	0	0	3	345	17	0	0	23	30	11	0	0	53	260	14	0		
03:45 PM	to 04:00 PM	0	12	47	93	0	0	12	323	9	0	1	13	33	15	0	0	55	280	18	0		
04:00 PM	to 04:15 PM	0	12	62	53	0	2	15	394	13	0	0	20	26	11	0	1	44	189	30	0		
04:15 PM	to 04:30 PM	0	21	60	80	0	0	8	333	17	0	0	17	42	13	0	0	27	210	19	0		
04:30 PM	to 04:45 PM	0	15	40	51	0	2	7	400	13	0	0	13	46	15	0	0	36	240	13	0		
04:45 PM	to 05:00 PM	0	12	41	65	0	1	8	340	12	0	0	19	23	13	0	0	44	256	8	0		
05:00 PM	to 05:15 PM	0	23	45	63	1	1	10	395	14	0	0	16	49	14	0	0	36	208	9	0		
05:15 PM	to 05:30 PM	0	12	53	94	0	1	7	325	15	0	0	31	34	23	0	0	35	230	11	1		
05:30 PM	to 05:45 PM	0	25	61	84	0	1	9	329	19	0	0	17	33	18	0	0	48	247	17	0		
05:45 PM	to 06:00 PM	0	27	52	77	0	1	9	227	32	0	0	13	45	11	0	0	64	275	17	0		
06:00 PM	to 06:15 PM	0	22	68	62	0	1	18	299	22	0	0	12	37	7	0	0	56	327	18	0		
06:15 PM	to 06:30 PM	0	18	40	61	0	1	6	426	18	0	0	14	20	9	0	0	42	247	13	0		
06:30 PM	to 06:45 PM	0	22	23	68	0	1	8	294	5	0	0	15	29	17	0	0	38	211	7	0		
06:45 PM	to 07:00 PM	0	12	42	47	0	3	7	232	8	0	0	13	33	21	0	0	40	200	9	0		
SYSTEM PEAK HR (VEH.)		600					1509					246					1333						
03:15 PM	to 04:15 PM	2	67	192	339	0	4	40	1404	61	0	1	69	127	49	0	2	212	1043	76	3		
Peak Hour Factor (PHF)	Overall 0.91	U 0.25	Left 0.49	Thru 0.77	Right 0.78	SB 0.80	U 0.50	Left 0.67	Thru 0.89	Right 0.69	WB 0.89	U 0.25	Left 0.75	Thru 0.84	Right 0.82	NB 0.96	U 0.50	Left 0.88	Thru 0.83	Right 0.63	EB 0.86		
HEAVY VEHICLES (FHWA 4+)	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound						
		Wilson Lane (MD 188)					River Road (MD 190)					Wilson Lane (MD 188)					River Road (MD 190)						
		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right			
02:00 PM	to 02:15 PM	0	0	1	3		0	0	21	0		0	1	2	0		0	2	7	1			
02:15 PM	to 02:30 PM	0	0	0	0		0	0	22	0		0	1	0	0		0	3	15	0			
02:30 PM	to 02:45 PM	0	0	0	2		0	1	14	2		0	2	1	0		0	2	15	0			
02:45 PM	to 03:00 PM	0	1	0	1		0	0	21	3		0	2	2	0		0	3	14	0			
03:00 PM	to 03:15 PM	0	3	1	5		0	0	21	0		0	2	2	0		0	5	11	0			
03:15 PM	to 03:30 PM	0	3	0	6		0	0	22	0		0	1	2	0		0	3	10	1			
03:30 PM	to 03:45 PM	0	0	0	2		0	0	16	0		0	1	1	1		0	1	12	1			
03:45 PM	to 04:00 PM	0	2	1	1		0	0	13	0		0	0	1	0		0	4	13	2			
04:00 PM	to 04:15 PM	0	1	0	3		0	1	37	1		0	2	0	1		0	2	12	2			
04:15 PM	to 04:30 PM	0	2	1	5		0	0	21	1		0	2	0	1		0	2	6	2			
04:30 PM	to 04:45 PM	0	0	1	2		0	0	30	2		0	1	2	0		0	3	1	0			
04:45 PM	to 05:00 PM	0	0	1	4		0	0	16	0		0	2	1	0		0	0	2	0			
05:00 PM	to 05:15 PM	0	0	0	0		0	0	15	0		0	1	0	0		0	2	4	0			
05:15 PM	to 05:30 PM	0	0	0	0		0	0	13	0		0	1	1	0		0	0	4	0			
05:30 PM	to 05:45 PM	0	0	2	1		0	0	6	0		0	0	0	0		0	1	1	1			
05:45 PM	to 06:00 PM	0	1	0	0		0	0	8	0		0	0	1	0		0	0	2	0			
06:00 PM	to 06:15 PM	0	0	0	0		0	0	5	1		0	0	1	0		0	2	4	0			
06:15 PM	to 06:30 PM	0	3	2	1		0	0	8	1		0	1	1	0		0	1	8	0			
06:30 PM	to 06:45 PM	0	0	0	1		0	0	7	0		0	1	0	0		0	0	2	0			
06:45 PM	to 07:00 PM	0	0	1	0		0	0	2	0		0	0	2	0		0	1	1	0			
SYSTEM PEAK HR (VEH.)		19					90					10					63						
03:15 PM	to 04:15 PM	0	6	1	12		0	1	88	1		0	4	4	2		0	10	47	6			
Heavy Vehicle % (PHV):		0.0%	9.0%	0.5%	3.5%	3.2%	0.0%	2.5%	6.3%	1.6%	6.0%	0.0%	5.8%	3.1%	4.1%	4.1%	0.0%	4.7%	4.5%	7.9%	4.7%		
INT. PEAK HR (HV ONLY)		22					84					14					64						
02:30 PM	to 03:30 PM	0	7	1	14		0	1	78	5		0	7	7	0		0	13	50	1			
Heavy Vehicle % (PHV):		0.0%	9.7%	0.8%	4.2%	4.1%	0.0%	2.0%	5.9%	6.8%	5.7%	0.0%	10.1%	6.9%	0.0%	6.3%	0.0%	7.6%	4.5%	2.7%	4.9%		
BICYCLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound						
		Wilson Lane (MD 188)					River Road (MD 190)					Wilson Lane (MD 188)					River Road (MD 190)						
		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right			
02:00 PM	to 02:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
02:15 PM	to 02:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
02:30 PM	to 02:45 PM	0	0	2	0		0	1	0	0		0	0	1	0		0	0	0	0			
02:45 PM	to 03:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
03:00 PM	to 03:15 PM	0	0	0	1		0	0	0	0		0	0	0	0		0	0	0	0			
03:15 PM	to 03:30 PM	0	0	0	0		0	0	0	0		0	0	1	0		0	0	0	0			
03:30 PM	to 03:45 PM	0	0	0	0		0	0	0	0		0	0	2	0		0	0	0	0			
03:45 PM	to 04:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
04:00 PM	to 04:15 PM	0	0	0	0		0	0	0	0		0	0	2	0		0	0	0	0			
04:15 PM	to 04:30 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	1	3	0			
04:30 PM	to 04:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	2	0	0			
04:45 PM	to 05:00 PM	0	0	0	0		0	0	0	1		0	0	1	0		0	0	0	0			
05:00 PM	to 05:15 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	1	0			
05:15 PM	to 05:30 PM	0	0	0	0		0	0	1	0		0	0	0	0		0	0	0	0			
05:30 PM	to 05:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
05:45 PM	to 06:00 PM	0	0	2	0		0	0	1	0		0	0	1	0		0	0	0	0			
06:00 PM	to 06:15 PM	0	0	1	0		0	0	0	0		0	0	1	0		0	0	0	0			
06:15 PM	to 06:30 PM	0	0	1	0		0	0	0	0		0	0	0	0		0	0	1	0			
06:30 PM	to 06:45 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
06:45 PM	to 07:00 PM	0	0	0	0		0	0	0	0		0	0	0	0		0	0	0	0			
SYSTEM PEAK HR (VEH.)		0					0					5					0						
03:15 PM	to 04:15 PM	0	0	0	0		0	0	0	0		0	0	5	0		0	0	0	0			
INT. PEAK HR (BIKES)		0					1					3					6						
04:00 PM	to 05:00 PM	0	0	0	0		0	0	0	1		0	0	3	0		0	3	3	0			

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : Holton Arms School Expansion
 Project # : 2009-005
 Location : Montgomery County, MD
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period: STUDY PERIOD
 Date of Counts: Tuesday, September 9, 2025
 Weather: Partly Cloudy

02:00 PM to 07:00 PM

Volumes Displayed as: 2. System Peak (vehicle)

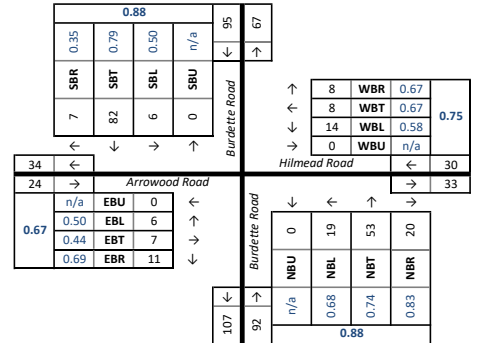
Intersection Peak Hour (all vehicles): 05:00 PM to 06:00 PM

System Peak Hour (all vehicles): 03:15 PM to 04:15 PM

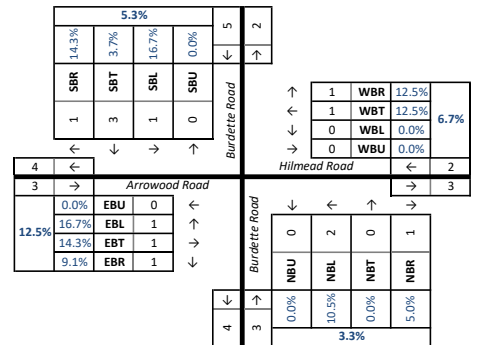
User-Defined Peak Hour: 03:00 PM to 04:00 PM

Intersection: 1. Burdette Road & Hilmead Road/Arrowood Road											
ALL VEHICLES	Direction:	Southbound					Westbound				
	Roadway:	Burdette Road					Hilmead Road				
	Movement:	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds
02:00 PM to 02:15 PM		0	1	10	0	0	0	4	1	1	0
02:15 PM to 02:30 PM		0	0	13	0	0	0	6	1	1	1
02:30 PM to 02:45 PM		0	1	10	2	0	0	3	0	0	0
02:45 PM to 03:00 PM		0	0	18	2	0	0	3	0	3	1
03:00 PM to 03:15 PM		0	2	16	0	0	0	2	1	0	0
03:15 PM to 03:30 PM		0	3	18	5	0	0	2	2	3	1
03:30 PM to 03:45 PM		0	1	22	0	0	0	6	3	1	0
03:45 PM to 04:00 PM		0	0	26	1	0	0	3	3	2	0
04:00 PM to 04:15 PM		0	2	16	1	0	0	3	0	2	0
04:15 PM to 04:30 PM		0	1	25	0	0	0	4	4	1	0
04:30 PM to 04:45 PM		0	1	35	0	0	0	6	3	0	1
04:45 PM to 05:00 PM		0	0	29	1	0	0	3	3	0	1
05:00 PM to 05:15 PM		0	1	64	0	0	0	5	0	1	0
05:15 PM to 05:30 PM		0	1	40	1	0	1	2	4	1	0
05:30 PM to 05:45 PM		0	1	78	0	1	0	6	2	0	1
05:45 PM to 06:00 PM		0	2	106	4	0	0	8	4	4	0
06:00 PM to 06:15 PM		0	7	42	2	0	0	8	3	0	0
06:15 PM to 06:30 PM		0	0	22	0	0	0	4	2	1	0
06:30 PM to 06:45 PM		0	1	26	2	0	0	4	3	0	0
06:45 PM to 07:00 PM		0	0	21	1	0	0	3	2	0	0
SYSTEM PEAK HR (VEH.)		95					30				
03:15 PM to 04:15 PM		0					1				
Peak Hour		Overall					SB				
Factor (PHF)		0.89					0.88				
HEAVY VEHICLES (FHWA 4+)	Direction:	Southbound					Westbound				
	Roadway:	Burdette Road					Hilmead Road				
	Movement:	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds
02:00 PM to 02:15 PM		0	0	1	0	0	0	0	0	0	0
02:15 PM to 02:30 PM		0	0	0	0	0	0	0	0	0	0
02:30 PM to 02:45 PM		0	0	1	0	0	0	0	0	0	0
02:45 PM to 03:00 PM		0	0	0	1	0	0	0	0	0	0
03:00 PM to 03:15 PM		0	0	0	0	0	0	0	0	0	0
03:15 PM to 03:30 PM		0	0	1	1	0	0	0	0	1	0
03:30 PM to 03:45 PM		0	1	1	0	0	0	0	0	0	0
03:45 PM to 04:00 PM		0	0	1	0	0	0	0	0	1	0
04:00 PM to 04:15 PM		0	0	0	0	0	0	0	0	0	0
04:15 PM to 04:30 PM		0	1	0	0	0	0	0	0	0	0
04:30 PM to 04:45 PM		0	0	0	0	0	0	0	0	0	0
04:45 PM to 05:00 PM		0	0	0	0	0	0	1	0	0	0
05:00 PM to 05:15 PM		0	0	0	0	0	0	0	0	0	0
05:15 PM to 05:30 PM		0	0	0	0	0	0	0	0	0	0
05:30 PM to 05:45 PM		0	0	1	0	0	0	0	0	0	0
05:45 PM to 06:00 PM		0	0	0	0	0	0	0	0	2	0
06:00 PM to 06:15 PM		0	0	0	0	0	0	0	0	0	0
06:15 PM to 06:30 PM		0	0	0	0	0	0	0	0	0	0
06:30 PM to 06:45 PM		0	0	0	0	0	0	0	0	0	0
06:45 PM to 07:00 PM		0	0	0	0	0	0	0	0	0	0
SYSTEM PEAK HR (VEH.)		5					2				
03:15 PM to 04:15 PM		0					0				
Heavy Vehicle % (PHV)		0.0%					0.0%				
INT. PEAK HR (HV ONLY)		5					2				
03:15 PM to 04:15 PM		0					0				
Heavy Vehicle % (PHV)		0.0%					0.0%				
BICYCLES	Direction:	Southbound					Westbound				
	Roadway:	Burdette Road					Hilmead Road				
	Movement:	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds
02:00 PM to 02:15 PM		0	0	0	0	0	0	0	0	0	0
02:15 PM to 02:30 PM		0	0	0	0	0	0	0	0	0	0
02:30 PM to 02:45 PM		0	0	0	0	0	0	0	0	0	0
02:45 PM to 03:00 PM		0	0	0	0	0	0	0	0	0	0
03:00 PM to 03:15 PM		0	0	0	0	0	0	0	0	0	0
03:15 PM to 03:30 PM		0	0	0	0	0	0	0	0	0	0
03:30 PM to 03:45 PM		0	0	0	0	0	0	0	0	0	0
03:45 PM to 04:00 PM		0	0	0	0	0	0	0	1	0	0
04:00 PM to 04:15 PM		0	0	0	0	0	0	0	0	0	0
04:15 PM to 04:30 PM		0	0	0	0	0	0	0	0	0	0
04:30 PM to 04:45 PM		0	0	0	0	0	0	0	0	0	0
04:45 PM to 05:00 PM		0	0	0	0	0	0	0	1	0	0
05:00 PM to 05:15 PM		0	0	0	0	0	0	0	0	0	0
05:15 PM to 05:30 PM		0	0	0	0	0	0	0	0	0	0
05:30 PM to 05:45 PM		0	0	0	0	0	0	0	0	0	0
05:45 PM to 06:00 PM		0	0	0	0	0	0	0	0	0	0
06:00 PM to 06:15 PM		0	0	0	0	0	0	0	0	0	0
06:15 PM to 06:30 PM		0	0	0	0	0	0	0	0	0	0
06:30 PM to 06:45 PM		0	0	0	0	0	0	0	0	0	0
06:45 PM to 07:00 PM		0	0	0	0	0	0	0	0	0	0
SYSTEM PEAK HR (VEH.)		0					1				
03:15 PM to 04:15 PM		0					0				
INT. PEAK HR (BIKES)		0					1				
04:15 PM to 05:15 PM		0					0				

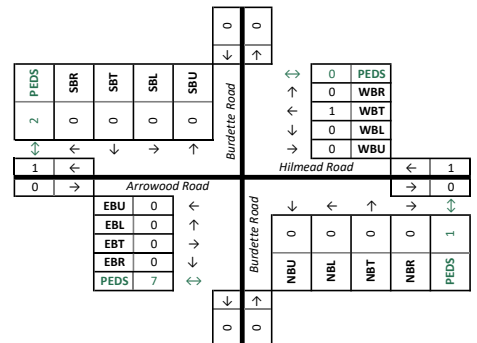
VEHICLE PEAK HOUR VOLS AND PHF: System Peak (vehicle)



HEAVY VEH PEAK HOUR VOLS AND PHF: System Peak (vehicle)



PED AND BIKE PEAK HOUR VOLUMES: System Peak (vehicle)



DATA COLLECTION NOTES :