

TECHNICAL MEMORANDUM

To: Jonathan Makhoul (District 5 – SHA)

Cc: Karl Schwartz The Plan Source

From: Anila Moorthy, EIT
Will Zeid, PE
Katie Wagner, PE, PTOE

Date: July 14, 2023

Subject: 40874 Merchants Lane Highway Traffic Statement

Introduction

This memorandum has been prepared in support of the proposed redevelopment of a pad site within the Leonardtown Centre shopping center, located at 40874 Merchants Lane, the “Project”, in the Town of Leonardtown, Maryland. The Project is located on the south side of eastbound Point Lookout Road (MD Route 5) and on the north and west side of Merchants Lane.

The existing building is situated within the larger shopping center and consists of a restaurant and tavern, currently closed for business. The larger shopping center can be accessed via three (3) access points; with two (2) access points from Point Lookout Road and one (1) access point from Newtowne Neck Road/Crampton Road (MD Route 243). Access to the subject pad site is provided via an internal curb cut on Merchants Lane. The subject pad site has no direct access to Point Lookout Road (MD Route 5) under existing or proposed conditions.

The Project includes removing the existing site uses and redeveloping the pad site with a new automated single-tunnel car wash. No changes to the existing access on Merchants Lane are proposed. Vehicles on Point Lookout Road (MD Route 5) and Newtowne Neck Road/ Crampton Road (MD Route 243) will use the three (3) existing shopping center driveways to access the pad site’s entrance within the shopping center.

This assessment provides a comparison between the existing site and the proposed redevelopment, including the net change in vehicular trip generation for the overall property and the distribution of traffic at the shopping center driveways. The Project will generate up to 32 net new peak hour trips (above the existing site’s trip generation) as a combination of inbound and outbound trips.

Based on the land use type and with indirect access to two major roadways, a portion of the site traffic is likely to consist of pass-by trips drawn from vehicles already on the adjacent roadways. However, since no pass-by rates are published by ITE for automated car wash sites, none were assumed for purposes of establishing trip generation herein.

It is noted that the adjacent roadways carry approximately 2,928 peak hour vehicles, and the net addition of 32 new trips during the PM peak hour would represent a less than 2 percent increase (without accounting for likely pass-by trips).

The overall net impact at the shopping center driveways is an increase in peak hour peak direction trips of up to 21 additional vehicles exiting the site (PM peak hour), distributed across the three (3) shopping center access points.

The net trips added with the redevelopment are negligible when compared to the volume of traffic on the adjacent roadways and provision of multiple access points for the shopping center. Therefore, the proposed redevelopment is not expected to have a significant impact on the area road network.

The following conclusions were made regarding the proposed development:

- The proposed redevelopment will generate 49 fewer trips during AM peak hour, 32 additional trips during the PM peak hour, and 16 fewer trips during the Saturday peak hour when compared to the existing site.
- The Project, located in a shopping center with three (3) existing driveways providing access to Point Lookout Road and Newtowne Neck Road/ Crampton Road, has indirect access to two major roadways. When the site trips are distributed across the three (3) shopping center access points, the resulting increase in any one direction at any driveway is expected to be negligible and will be adequately accommodated by the existing infrastructure and access.

Site Area

The development site is located at 40874 Merchants Lane in the Town of Leonardtown, Maryland. The site is located along Point Lookout Road (MD Route 5) and Merchants Lane and includes a pad site within an existing shopping center. The site area and location are provided in Figure 1.

Proposed Development

The proposed single-tunnel automated car wash will replace the existing restaurant and bar. The development will utilize the existing curb cut on Merchants Lane within the internal shopping center drive aisle network, and no direct access to Point Lookout Road (MD Route 5) is proposed. A site plan of the proposed development is provided in Figure 2.

Figure 3 shows the Automated Car Wash Operation Plan.



Figure 1: Site Location

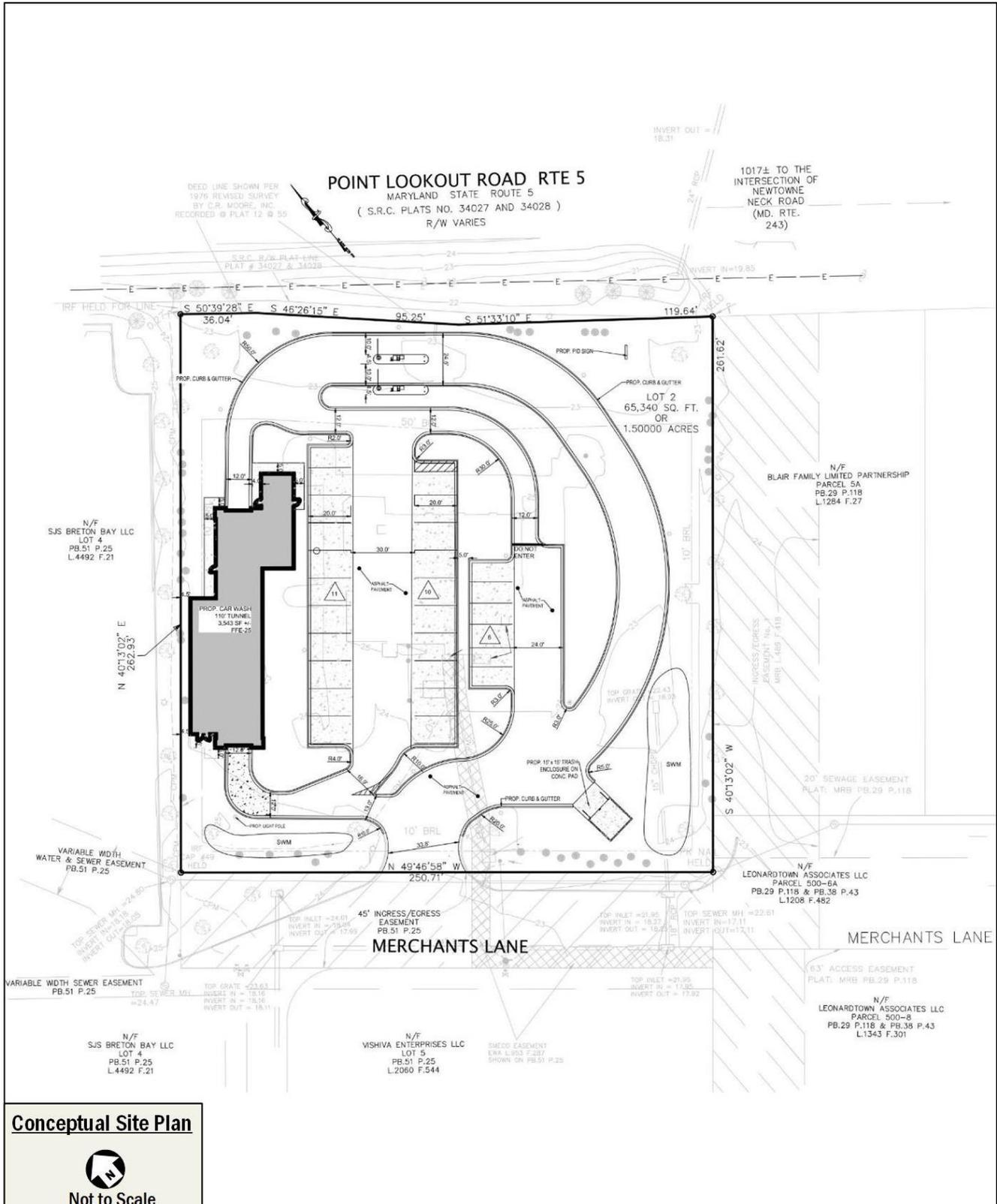


Figure 2: Concept Site Plan

Trip Generation and Assignment

Trip generation comparing the existing and proposed conditions is based on the methodology outlined in the Institute of Transportation Engineers' (ITE) *Trip Generation*, 11th Edition. Trip generation was calculated for the AM, PM, and Saturday peak hours.

Trip generation for the **existing site** was calculated for a General Urban/Suburban setting based on ITE land use code 932, "High-Turnover (Sit-Down) Restaurant". Trip generation for the **proposed site** was calculated for a General Urban/Suburban setting based on ITE land use code 948, "Automated Car Wash".

Comparisons are provided below to identify the net impacts on the total trip generation as well as the trip assignment and distribution to/from the adjacent road network. Due to the nature and location of the existing and proposed site, a portion of the trips will likely consist of pass-by trips drawn from vehicles already on the adjacent roadways. The ITE 11th Edition provides average pass-by trip rates for the PM peak hour for the existing restaurant use. However, no ITE 11th Edition average pass-by trip rates are published for automated car wash sites. Therefore, no pass-by trips were assumed in this assessment.

As shown in Table 1, the proposed automated carwash would generate no trips in the AM peak hour, 78 total trips in the PM peak hour (39 inbound and 39 outbound), and 41 total trips in the Saturday peak hour (19 inbound and 22 outbound). Figure 4 shows the site-generated trip distributions at the shopping center accesses.

Detailed trip generation calculations are included in the Technical Attachments.

Table 1: Trip Generation Summary

Land Use	Land Use Code	Quantity	AM Peak Hour (veh/hr)			PM Peak Hour (veh/hr)			Saturday Peak Hour (veh/hr)		
			In	Out	Total	In	Out	Total	In	Out	Total
Proposed Development											
Automated Car wash	948	1 tunnel	0	0	0	39	39	78	19	22	41
Existing Development											
High Turnover (Sit-Down) Restaurant	932	5,096 sf	27	22	49	28	18	46	29	28	57
Net Total (Proposed-Existing)			-27	-22	-49	11	21	32	-10	-6	-16

When compared to the existing uses, the proposed redevelopment will generate 49 fewer total trips during AM, 32 additional total trips during the PM, and 16 fewer total trips during the Saturday peak hours.

Figure 5 shows the existing peak hour traffic volumes at the existing shopping center driveways. With the traffic volumes along both directions on Point Lookout Road at approximately 2,175 vehicles and on Newtowne Neck Road/ Crampton Road at approximately 753 vehicles passing the site during the PM peak hour, the additional 29 trips on Point Lookout Road and the additional 10 trips on Newtowne Neck Road/Crampton Road represent less than a two percent increase in roadway volume proximate to the site, which would be further diluted traveling away from the area. Therefore, the Project is not expected to have a significant impact on the area's road network.

At the site driveway, increases in peak hour peak direction volumes are expected with up to 21 additional vehicles (approximately one additional vehicle every three minutes). This additional traffic would be adequately accommodated when divided among the three (3) shopping center entrances.

The overall pad site trip assignment for the automated car wash is shown on Figure 4, which indicates a total peak hour peak direction demand of up to 19 vehicles inbound and 15 vehicles outbound (both during the PM peak hour) at any one of the

shopping center driveway. With a demand of what amounts to less than one vehicle per minute in each direction at any one of the shopping center driveways destined to or from the car wash. The existing shopping center driveway access is expected to adequately accommodate the projected site traffic for the automated car wash.

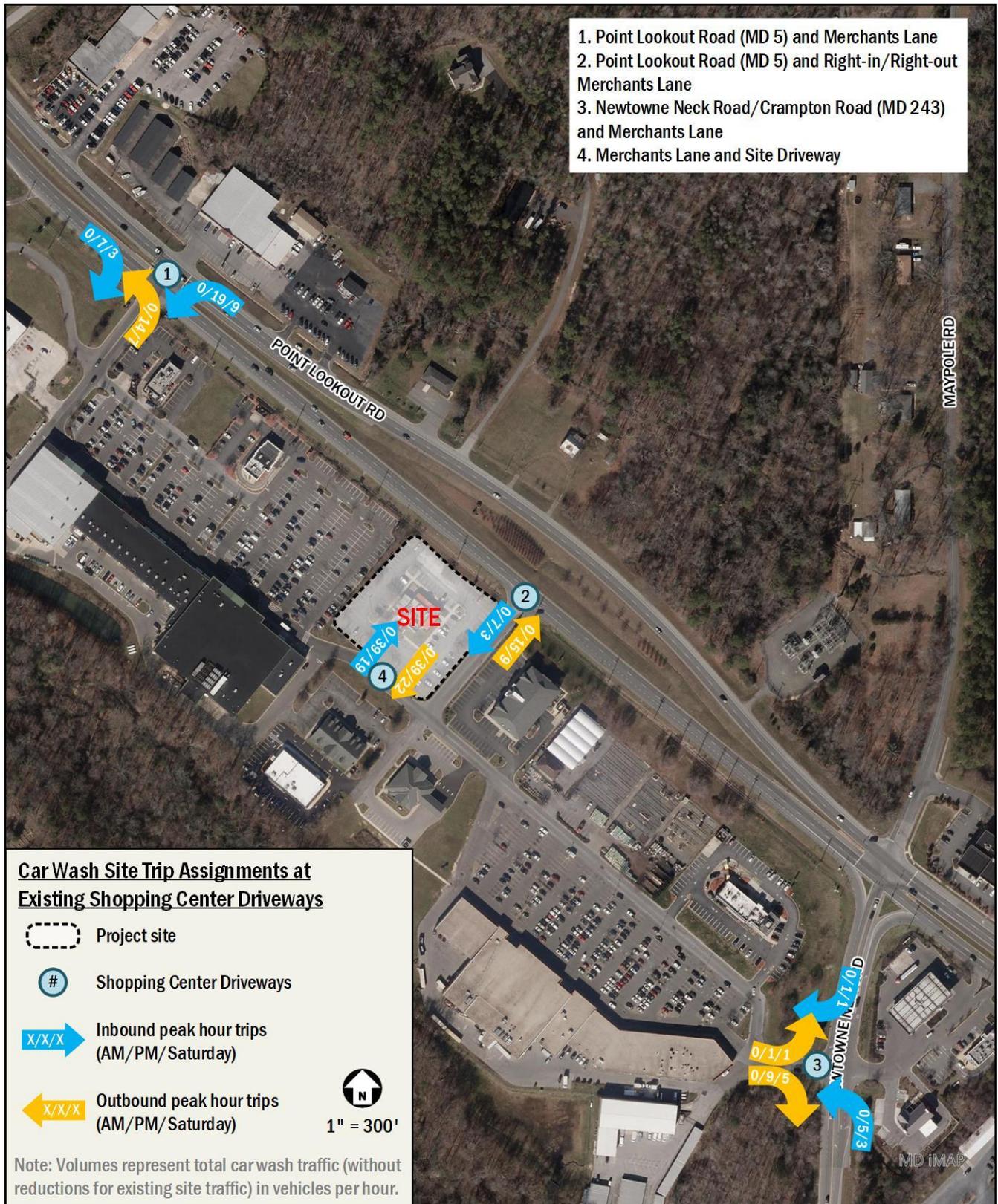


Figure 4: Car Wash Site Trip Assignments at Existing Shopping Center Driveways

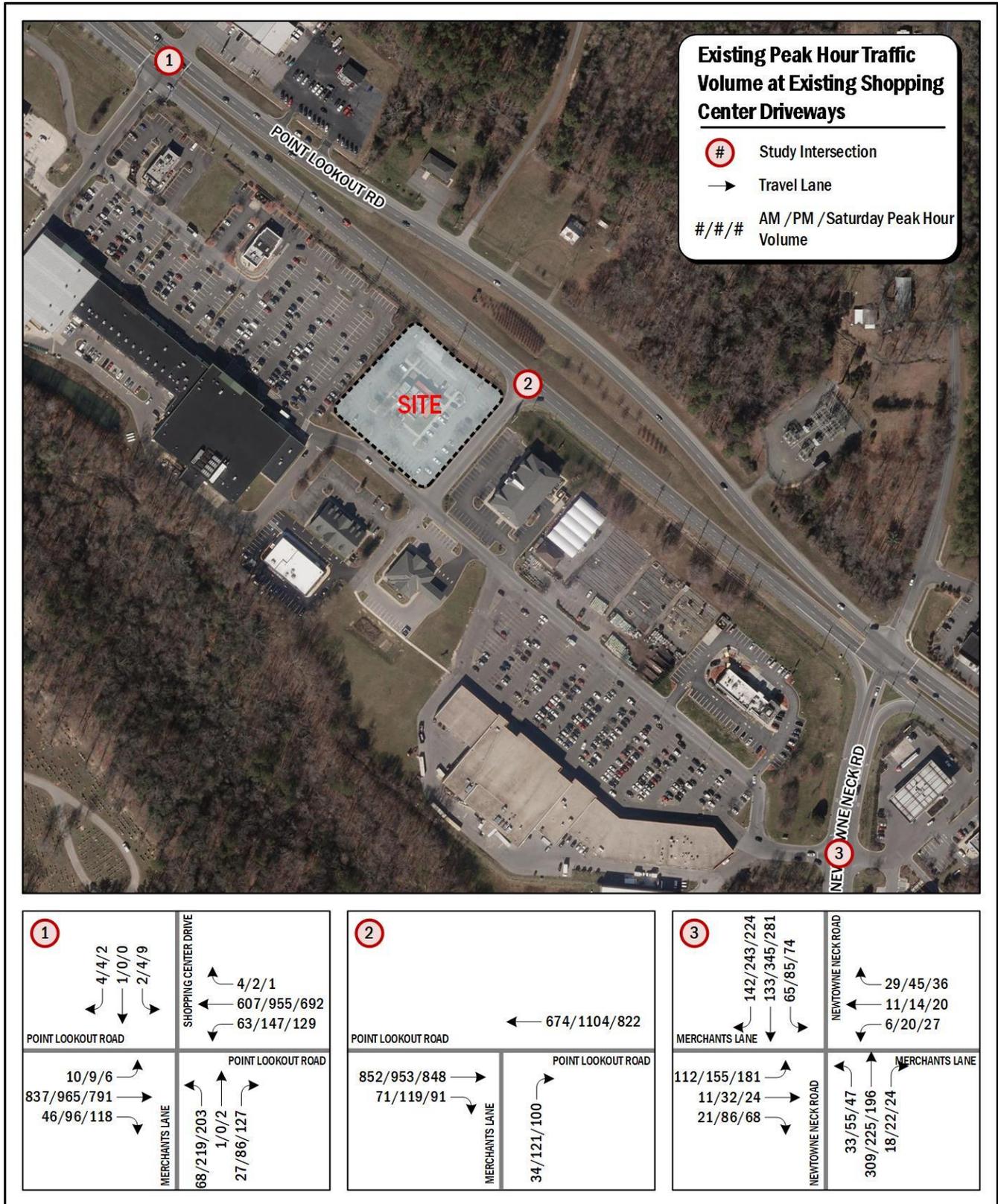


Figure 5: Existing Peak Hour Traffic Volume at Existing Shopping Center Driveways

Conclusions

The net trips added with the redevelopment are negligible when distributed amongst the three (3) existing shopping center access points and represent less than a two percent increase in traffic within the area road network. Therefore, the proposed redevelopment is not expected to have a significant impact on the area road network and would be adequately accommodated by the existing infrastructure and shopping center access.

The following conclusions were made regarding the proposed development:

- The proposed redevelopment will generate 49 fewer trips during AM peak hour, 32 additional trips during the PM peak hour, and 16 fewer trips during the Saturday peak hours when compared to the existing site.
- The Project, located in a shopping center with three (3) existing driveways providing access to Point Lookout Road and Newtowne Neck Road/ Crampton Road, has indirect access to two major roadways. When the site trips are distributed across the three (3) shopping center access points, the resulting increase in any one direction at any driveway is expected to be adequately accommodated.

TECHNICAL ATTACHMENTS

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : 40874 Merchants Lane
 Project # : 7301-3828
 Location : Leonardtown, MD
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period: STUDY PERIOD
 Date of Counts: Thursday, June 1, 2023
 Weather: Partly Cloudy

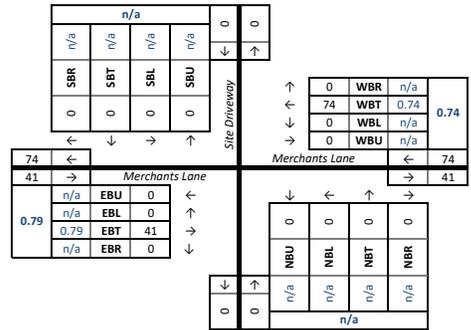
06:00 AM to 09:00 AM

Volumes Displayed as: 2. System Peak (vehicle)

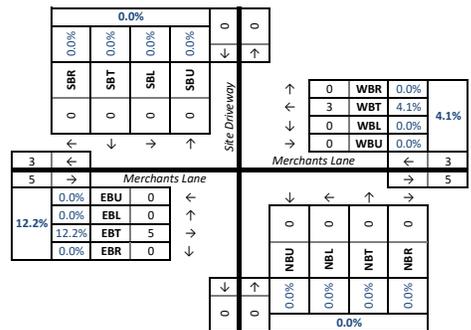
Intersection Peak Hour (all vehicles): 08:00 AM to 09:00 AM
 System Peak Hour (all vehicles): 07:30 AM to 08:30 AM
 User-Defined Peak Hour: 07:00 AM to 08:00 AM

Intersection:		1. Site Driveway/ & Merchants Lane																			
ALL VEHICLES	Direction:	Southbound				Westbound				Northbound				Eastbound							
	Roadway:	Site Driveway				Merchants Lane				Merchants Lane				Merchants Lane							
	Movement:	U	L	Thru	R	Peds	U	L	Thru	R	Peds	U	L	Thru	R	Peds	U	L	Thru	R	Peds
06:00 AM to 06:15 AM		0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	4	0	0
06:15 AM to 06:30 AM		0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	5	0	0	
06:30 AM to 06:45 AM		0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	5	0	0	
06:45 AM to 07:00 AM		0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	1	0	0	
07:00 AM to 07:15 AM		0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	6	0	0	
07:15 AM to 07:30 AM		0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	0	9	0	0	
07:30 AM to 07:45 AM		0	0	0	0	1	0	9	0	0	0	0	0	0	0	0	0	11	0	0	
07:45 AM to 08:00 AM		0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	5	0	0	
08:00 AM to 08:15 AM		0	0	0	0	0	0	24	0	0	0	0	0	0	0	0	0	13	0	0	
08:15 AM to 08:30 AM		0	0	0	0	0	0	25	0	0	0	0	0	0	0	0	0	12	0	0	
08:30 AM to 08:45 AM		0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	15	0	0	
08:45 AM to 09:00 AM		0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	19	0	0	
09:00 AM to 09:15 AM																					
09:15 AM to 09:30 AM																					
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10:15 AM to 10:30 AM																					
10:30 AM to 10:45 AM																					
10:45 AM to 11:00 AM																					
SYSTEM PEAK HR (VEH.)		0				74				0				41							
07:30 AM to 08:30 AM		0	0	0	0	1	0	0	74	0	0	0	0	0	0	0	0	0	41	0	0
Peak Hour	Overall	n/a				n/a				n/a				n/a							
Factor (PHF)		0.78				0.74				0.79				0.79							
HEAVY VEHICLES (FHWA 4+)	Direction:	Southbound				Westbound				Northbound				Eastbound							
Roadway:	Movement:	Site Driveway				Merchants Lane				Merchants Lane				Merchants Lane							
		U	L	Thru	R	U	L	Thru	R	U	L	Thru	R	U	L	Thru	R				
06:00 AM to 06:15 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0				
06:15 AM to 06:30 AM		0	0	0	0	0	0	1	0	0	0	0	0	0	0	2	0				
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	1	0	0	0	0	0	0	0	1	0				
07:15 AM to 07:30 AM		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0				
07:30 AM to 07:45 AM		0	0	0	0	0	0	1	0	0	0	0	0	0	0	3	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	1	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	0	0	2	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				
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10:15 AM to 10:30 AM																					
10:30 AM to 10:45 AM																					
10:45 AM to 11:00 AM																					
SYSTEM PEAK HR (VEH.)		0				3				0				5							
07:30 AM to 08:30 AM		0	0	0	0	0	0	3	0	0	0	0	0	0	0	5	0				
Heavy Vehicle % (PHV)		0.0%				0.0%				0.0%				12.2%							
INT. PEAK HR (HV ONLY)		0				3				0				5							
07:30 AM to 08:30 AM		0	0	0	0	0	0	3	0	0	0	0	0	0	0	5	0				
Heavy Vehicle % (PHV)		0.0%				0.0%				0.0%				12.2%							
BICYCLES	Direction:	Southbound				Westbound				Northbound				Eastbound							
Roadway:	Movement:	Site Driveway				Merchants Lane				Merchants Lane				Merchants Lane							
		U	L	Thru	R	U	L	Thru	R	U	L	Thru	R	U	L	Thru	R				
06:00 AM to 06:15 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
06:15 AM to 06:30 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
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				
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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	1	0	0				
08:30 AM to 08:45 AM		0	0	0	0	0	0	2	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				
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10:30 AM to 10:45 AM																					
10:45 AM to 11:00 AM																					
SYSTEM PEAK HR (VEH.)		0				0				0				1							
07:30 AM to 08:30 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0				
INT. PEAK HR (BIKES)		0				2				0				1							
07:45 AM to 08:45 AM		0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0				

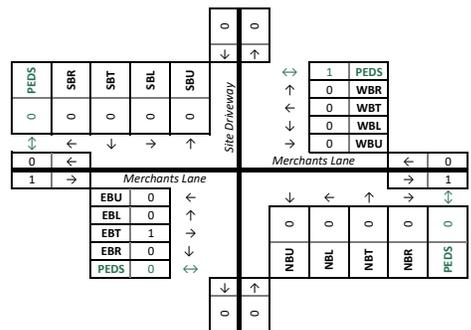
VEHICLE PEAK HOUR VOLS AND PHF: System Peak (vehicle)



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



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



DATA COLLECTION NOTES :

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : 40874 Merchants Lane
 Project # : 7301-3828
 Location : Leonardtown, MD
 Data Source : Gorove/Slade Associates, Inc.

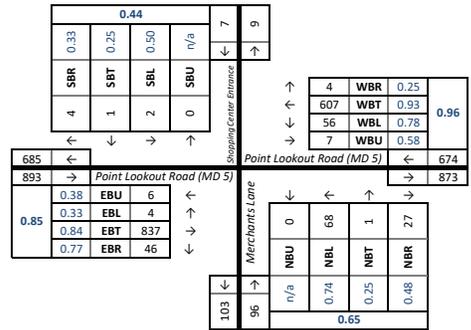
Analysis Period: STUDY PERIOD
 Date of Counts: Thursday, June 1, 2023
 Weather: Partly Cloudy

06:00 AM to 09:00 AM

Volumes Displayed as: 2. System Peak (vehicle)
 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: 07:00 AM to 08:00 AM

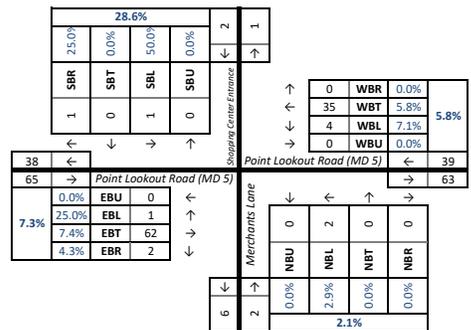
Intersection:		1. Shopping Center Entrance/Merchants Lane & Point Lookout Road (MD 5)																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound				Westbound				Northbound				Eastbound							
		Shopping Center Entrance				Point Lookout Road (MD 5)				Merchants Lane				Point Lookout Road (MD 5)							
		U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R				
06:00 AM	to 06:15 AM	0	0	0	0	0	3	86	0	0	0	3	0	1	0	0	0	106	1	0	
06:15 AM	to 06:30 AM	0	0	0	0	0	2	95	0	0	0	3	0	2	0	1	0	155	3	0	
06:30 AM	to 06:45 AM	0	0	0	0	3	3	103	0	0	0	3	0	5	0	1	0	164	3	0	
06:45 AM	to 07:00 AM	0	0	0	0	2	8	104	0	0	0	5	0	5	0	1	2	200	11	0	
07:00 AM	to 07:15 AM	0	0	0	0	3	10	152	1	0	0	7	0	4	0	1	0	201	6	0	
07:15 AM	to 07:30 AM	0	0	0	0	1	3	142	0	0	0	13	1	6	0	1	0	210	8	0	
07:30 AM	to 07:45 AM	0	0	0	1	3	8	164	0	0	0	10	0	4	0	0	1	237	15	0	
07:45 AM	to 08:00 AM	0	1	0	0	1	18	138	4	0	0	14	1	3	0	2	3	248	11	0	
08:00 AM	to 08:15 AM	0	0	1	3	0	15	153	0	0	0	21	0	6	0	4	0	171	14	0	
08:15 AM	to 08:30 AM	0	1	0	0	2	15	152	0	0	0	23	0	14	0	0	0	181	6	0	
08:30 AM	to 08:45 AM	0	1	0	0	1	14	183	0	0	0	20	0	8	0	0	1	176	13	0	
08:45 AM	to 09:00 AM	0	0	0	0	0	21	158	1	0	0	14	0	8	0	2	1	178	15	0	
09:00 AM	to 09:15 AM																				
09:15 AM	to 09:30 AM																				
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																				
SYSTEM PEAK HR (VEH.)		7				674				96				893							
07:30 AM	to 08:30 AM	0	2	1	4	0	7	56	607	4	0	0	68	1	27	0	6	4	837	46	0
Peak Hour		Overall				WB				NB				EB							
Factor (PHF)		0.94				0.96				0.65				0.85							

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



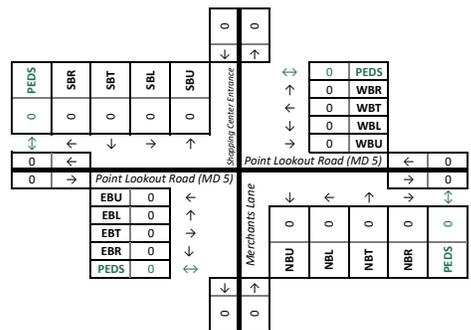
Direction:		1. Shopping Center Entrance/Merchants Lane & Point Lookout Road (MD 5)																			
HEAVY VEHICLES (FHWA 4+)	Roadway: Movement:	Southbound				Westbound				Northbound				Eastbound							
		Shopping Center Entrance				Point Lookout Road (MD 5)				Merchants Lane				Point Lookout Road (MD 5)							
		U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R				
06:00 AM	to 06:15 AM	0	0	0	0	0	1	6	0	0	0	0	0	0	0	0	4	1	0	0	
06:15 AM	to 06:30 AM	0	0	0	0	0	0	5	0	0	0	2	0	0	0	0	0	6	1	0	
06:30 AM	to 06:45 AM	0	0	0	0	0	0	5	0	0	0	0	0	0	0	1	0	14	0	0	
06:45 AM	to 07:00 AM	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	5	0	0	
07:00 AM	to 07:15 AM	0	0	0	0	0	1	6	0	0	1	0	0	0	0	0	0	15	1	0	
07:15 AM	to 07:30 AM	0	0	0	0	0	0	3	0	0	2	0	0	0	0	0	0	14	0	0	
07:30 AM	to 07:45 AM	0	0	0	1	0	1	7	0	0	0	0	0	0	0	0	1	16	1	0	
07:45 AM	to 08:00 AM	0	0	0	0	0	1	9	0	0	0	0	0	0	0	0	0	18	0	0	
08:00 AM	to 08:15 AM	0	0	0	0	0	1	9	0	0	1	0	0	0	0	0	0	14	0	0	
08:15 AM	to 08:30 AM	0	1	0	0	0	1	10	0	0	1	0	0	0	0	0	0	14	1	0	
08:30 AM	to 08:45 AM	0	0	0	0	0	1	11	0	0	1	0	1	0	0	0	0	9	0	0	
08:45 AM	to 09:00 AM	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	7	0	0	
09:00 AM	to 09:15 AM																				
09:15 AM	to 09:30 AM																				
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																				
SYSTEM PEAK HR (VEH.)		2				39				2				65							
07:30 AM	to 08:30 AM	0	1	0	1	0	0	4	35	0	0	0	2	0	0	0	0	1	62	2	0
Heavy Vehicle % (PHV)		0.0%				28.6%				5.8%				7.3%							
INT. PEAK HR (HV ONLY)		2				39				2				65							
07:30 AM	to 08:30 AM	0	1	0	1	0	0	4	35	0	0	0	2	0	0	0	0	1	62	2	0
Heavy Vehicle % (PHV)		0.0%				28.6%				5.8%				7.3%							

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



Direction:		1. Shopping Center Entrance/Merchants Lane & Point Lookout Road (MD 5)																			
BICYCLES	Roadway: Movement:	Southbound				Westbound				Northbound				Eastbound							
		Shopping Center Entrance				Point Lookout Road (MD 5)				Merchants Lane				Point Lookout Road (MD 5)							
		U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R				
06:00 AM	to 06:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:15 AM	to 06:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
06:30 AM	to 06:45 AM	0	0	0	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	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	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	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	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	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	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	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	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	0	0	0	
09:00 AM	to 09:15 AM																				
09:15 AM	to 09:30 AM																				
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																				
SYSTEM PEAK HR (VEH.)		0				0				0				0							
07:30 AM	to 08:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INT. PEAK HR (BIKES)		0				0				0				0							
06:00 AM	to 07:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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



DATA COLLECTION NOTES :

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : 40874 Merchants Lane
 Project # : 7301-3828
 Location : Leonardtown, MD
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period: STUDY PERIOD
 Date of Counts: Thursday, June 1, 2023
 Weather: Partly Cloudy

06:00 AM to 09:00 AM

Volumes Displayed as: 2. System Peak (vehicle)
 Intersection Peak Hour (all vehicles): 07:15 AM to 08:15 AM
 System Peak Hour (all vehicles): 07:30 AM to 08:30 AM
 User-Defined Peak Hour: 07:00 AM to 08:00 AM

Intersection:		1. Maypole Road/Crampton Road (MD 243) & Point Lookout Road (MD 5)																				
ALL VEHICLES	Direction: Roadway: Movement:	Southbound				Westbound				Northbound				Eastbound								
		Maypole Road				Point Lookout Road (MD 5)				Crampton Road (MD 243)				Point Lookout Road (MD 5)								
		U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R					
06:00 AM	to 06:15 AM	0	1	1	0	0	15	77	0	0	0	15	0	28	0	0	0	83	13	0		
06:15 AM	to 06:30 AM	0	0	0	0	0	15	79	1	0	0	13	1	38	0	0	0	141	19	0		
06:30 AM	to 06:45 AM	0	0	1	2	0	1	17	92	0	0	0	16	0	54	0	0	2	154	20	0	
06:45 AM	to 07:00 AM	0	5	1	0	0	0	38	93	2	0	0	21	2	70	0	0	0	167	23	0	
07:00 AM	to 07:15 AM	0	3	3	2	0	0	40	138	0	0	0	27	1	73	0	0	1	169	21	0	
07:15 AM	to 07:30 AM	0	5	4	2	0	1	45	129	2	0	0	20	1	76	0	0	1	189	26	0	
07:30 AM	to 07:45 AM	0	1	4	5	0	1	35	132	2	0	0	21	4	98	0	0	3	184	25	0	
07:45 AM	to 08:00 AM	0	5	2	1	0	1	57	141	1	0	0	22	2	97	0	0	4	205	29	0	
08:00 AM	to 08:15 AM	0	5	3	2	0	0	71	124	3	0	0	30	2	64	0	0	3	186	18	0	
08:15 AM	to 08:30 AM	0	8	2	3	0	0	61	136	1	0	0	35	2	61	0	0	2	2	152	29	0
08:30 AM	to 08:45 AM	0	6	2	7	0	0	55	160	1	0	0	31	1	62	0	0	4	151	17	0	
08:45 AM	to 09:00 AM	0	3	7	4	0	0	79	151	1	0	0	32	2	72	0	0	0	162	23	0	
09:00 AM	to 09:15 AM																					
09:15 AM	to 09:30 AM																					
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																					

SYSTEM PEAK HR (VEH.)	Overall	SB	WB	NB	EB
07:30 AM to 08:30 AM	0.92	0.59	0.69	0.55	0.79

HEAVY VEHICLES (FHWA 4+)		1. Maypole Road/Crampton Road (MD 243) & Point Lookout Road (MD 5)																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound				Westbound				Northbound				Eastbound							
		Maypole Road				Point Lookout Road (MD 5)				Crampton Road (MD 243)				Point Lookout Road (MD 5)							
		U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R				
06:00 AM	to 06:15 AM	0	0	0	0	0	0	5	0	0	1	0	0	0	0	0	0	4	0	0	
06:15 AM	to 06:30 AM	0	0	0	0	0	2	6	1	0	0	0	0	1	0	0	0	6	2	0	
06:30 AM	to 06:45 AM	0	0	1	0	0	1	6	0	0	1	0	0	2	0	0	0	12	1	0	
06:45 AM	to 07:00 AM	0	2	0	0	0	1	4	1	0	0	0	0	2	0	0	0	4	2	0	
07:00 AM	to 07:15 AM	0	1	0	0	0	1	8	0	0	1	0	0	3	0	0	0	9	3	0	
07:15 AM	to 07:30 AM	0	0	0	0	0	2	3	0	0	0	0	0	3	0	0	0	11	3	0	
07:30 AM	to 07:45 AM	0	0	0	1	0	2	6	0	0	2	1	4	0	0	0	0	11	0	0	
07:45 AM	to 08:00 AM	0	0	0	0	0	3	9	1	0	0	0	2	0	0	0	0	17	3	0	
08:00 AM	to 08:15 AM	0	1	0	0	0	4	8	0	0	0	0	0	0	0	0	0	16	2	0	
08:15 AM	to 08:30 AM	0	0	0	0	0	1	11	0	0	1	0	1	0	0	0	0	10	2	0	
08:30 AM	to 08:45 AM	0	0	0	0	0	3	11	0	0	3	0	2	0	0	0	0	8	0	0	
08:45 AM	to 09:00 AM	0	0	0	1	0	1	14	0	0	3	0	3	0	0	0	0	5	3	0	
09:00 AM	to 09:15 AM																				
09:15 AM	to 09:30 AM																				
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																				

SYSTEM PEAK HR (VEH.)	Overall	SB	WB	NB	EB
07:30 AM to 08:30 AM	4.9%	0.0%	5.3%	0.0%	9.1%

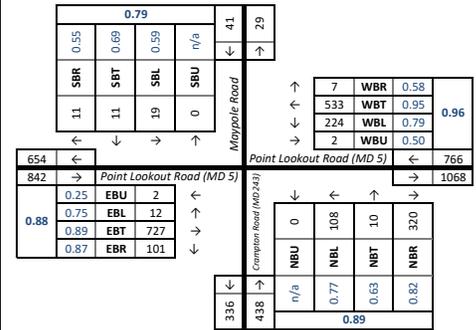
INT. PEAK HR (HV ONLY)	Overall	SB	WB	NB	EB
07:30 AM to 08:30 AM	7.2%	0.0%	5.3%	0.0%	9.1%

BICYCLES		1. Maypole Road/Crampton Road (MD 243) & Point Lookout Road (MD 5)																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound				Westbound				Northbound				Eastbound							
		Maypole Road				Point Lookout Road (MD 5)				Crampton Road (MD 243)				Point Lookout Road (MD 5)							
		U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R				
06:00 AM	to 06:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:15 AM	to 06:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
06:30 AM	to 06:45 AM	0	0	0	0	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	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	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	0	0	0	0
07:30 AM	to 07:45 AM	0	0	1	0	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	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	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	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	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	0	0	0	0
09:00 AM	to 09:15 AM																				
09:15 AM	to 09:30 AM																				
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																				

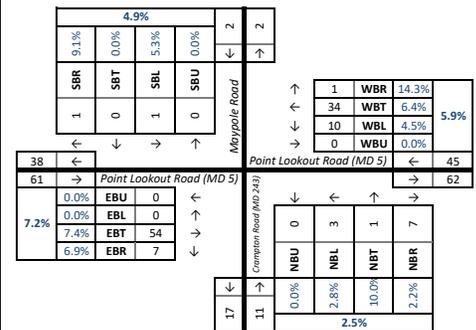
SYSTEM PEAK HR (VEH.)	Overall	SB	WB	NB	EB
07:30 AM to 08:30 AM	1	0	0	0	0

INT. PEAK HR (BIKES)	Overall	SB	WB	NB	EB
06:45 AM to 07:45 AM	1	0	0	0	0

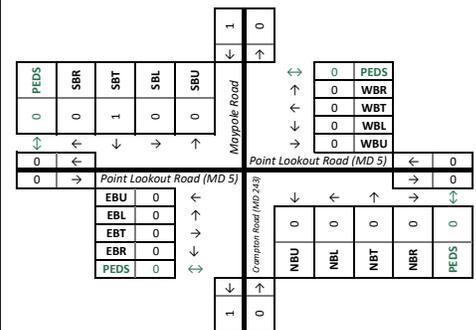
VEHICLE PEAK HOUR VOLS AND PHF: System Peak (vehicle)



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



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



DATA COLLECTION NOTES :

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : 40874 Merchants Lane
 Project # : 7301-3828
 Location : Leonardtown, MD
 Data Source : Gorove/Slade Associates, Inc.

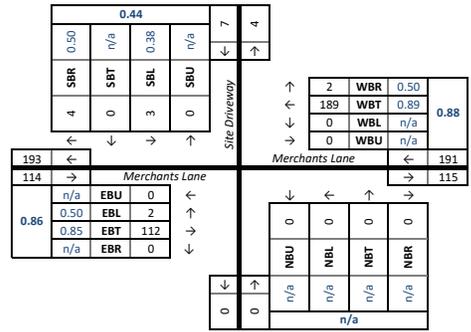
Analysis Period: STUDY PERIOD
 Date of Counts: Thursday, June 1, 2023
 Weather: Partly Cloudy

04:00 PM to 07:00 PM

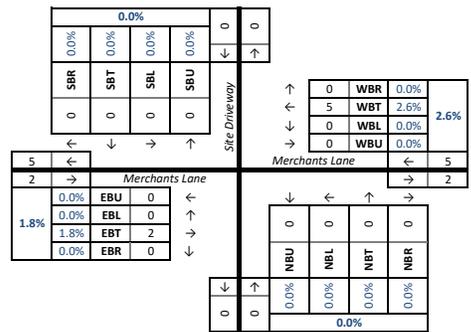
Volumes Displayed as: 2. System Peak (vehicle)
 Intersection Peak Hour (all vehicles): 04:30 PM to 05:30 PM
 System Peak Hour (all vehicles): 04:00 PM to 05:00 PM
 User-Defined Peak Hour: 05:00 PM to 06:00 PM

Intersection:		1. Site Driveway/ & Merchants Lane															
ALL VEHICLES	Direction:	Southbound				Westbound				Northbound				Eastbound			
	Roadway:	Site Driveway				Merchants Lane				Merchants Lane				Merchants Lane			
	Movement:	U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
04:00 PM to 04:15 PM		0	1	0	0	0	0	47	0	0	0	0	0	0	0	33	0
04:15 PM to 04:30 PM		0	0	0	2	0	0	42	1	0	0	0	0	0	0	22	0
04:30 PM to 04:45 PM		0	2	0	2	0	0	53	1	0	0	0	0	0	1	25	0
04:45 PM to 05:00 PM		0	0	0	0	0	0	47	0	0	0	0	0	0	1	32	0
05:00 PM to 05:15 PM		0	0	0	1	0	0	35	1	0	0	0	0	0	1	32	0
05:15 PM to 05:30 PM		0	0	0	2	0	0	47	1	0	0	0	0	0	0	43	0
05:30 PM to 05:45 PM		0	0	0	0	0	0	38	0	0	0	0	0	0	0	21	0
05:45 PM to 06:00 PM		0	1	0	0	0	0	32	1	0	0	0	0	0	1	28	0
06:00 PM to 06:15 PM		0	0	0	1	0	0	29	1	0	0	0	0	0	0	27	0
06:15 PM to 06:30 PM		0	0	0	0	0	0	33	1	0	0	0	0	0	0	16	0
06:30 PM to 06:45 PM		0	1	0	0	0	0	34	0	0	0	0	0	0	0	24	0
06:45 PM to 07:00 PM		0	0	0	0	0	0	39	1	0	0	0	0	0	0	28	0
07:00 PM to 07:15 PM																	
07:15 PM to 07:30 PM																	
07:30 PM to 07:45 PM																	
07:45 PM to 08:00 PM																	
08:00 PM to 08:15 PM																	
08:15 PM to 08:30 PM																	
08:30 PM to 08:45 PM																	
08:45 PM to 09:00 PM																	
SYSTEM PEAK HR (VEH.)		7				191				0				114			
04:00 PM to 05:00 PM		0	3	0	4	0	0	189	2	0	0	0	0	0	2	112	0
Peak Hour Overall		U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R
Factor (PHF)		n/a	0.38	n/a	0.50	n/a	n/a	0.89	0.50	n/a	n/a	n/a	n/a	n/a	0.50	0.85	n/a
HEAVY VEHICLES (FHWA 4+)		0				0				0				0			
04:00 PM to 04:15 PM		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
04:15 PM to 04:30 PM		0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0
04:30 PM to 04:45 PM		0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	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	3	0
05:30 PM to 05:45 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
05:45 PM to 06:00 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1	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	1	0
06:45 PM to 07:00 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:00 PM to 07:15 PM																	
07:15 PM to 07:30 PM																	
07:30 PM to 07:45 PM																	
07:45 PM to 08:00 PM																	
08:00 PM to 08:15 PM																	
08:15 PM to 08:30 PM																	
08:30 PM to 08:45 PM																	
08:45 PM to 09:00 PM																	
SYSTEM PEAK HR (VEH.)		0				5				0				2			
04:00 PM to 05:00 PM		0	0	0	0	0	0	5	0	0	0	0	0	0	0	2	0
Heavy Vehicle % (PHV)		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%
INT. PEAK HR (HV ONLY)		0				5				0				2			
04:00 PM to 05:00 PM		0	0	0	0	0	0	5	0	0	0	0	0	0	0	2	0
Heavy Vehicle % (PHV)		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%
BICYCLES		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	0	0
04:15 PM to 04:30 PM		0	0	0	0	0	0	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	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	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	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
07:00 PM to 07:15 PM																	
07:15 PM to 07:30 PM																	
07:30 PM to 07:45 PM																	
07:45 PM to 08:00 PM																	
08:00 PM to 08:15 PM																	
08:15 PM to 08:30 PM																	
08:30 PM to 08:45 PM																	
08:45 PM to 09:00 PM																	
SYSTEM PEAK HR (VEH.)		0				0				0				0			
04:00 PM to 05:00 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INT. PEAK HR (BIKES)		0				0				0				0			
04:00 PM to 05:00 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

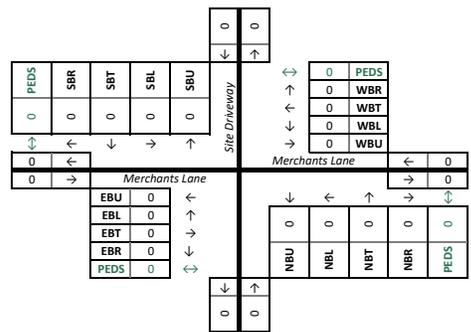
VEHICLE PEAK HOUR VOLS AND PHF: System Peak (vehicle)



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



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



DATA COLLECTION NOTES :

Gorove/Slade Associates - Multimodal Turning Movement Count Report

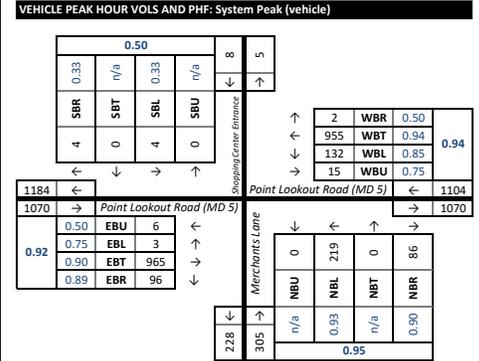
Project Name : 40874 Merchants Lane
 Project # : 7301-3828
 Location : Leonardtown, MD
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period : STUDY PERIOD
 Date of Counts : Thursday, June 1, 2023
 Weather : Partly Cloudy

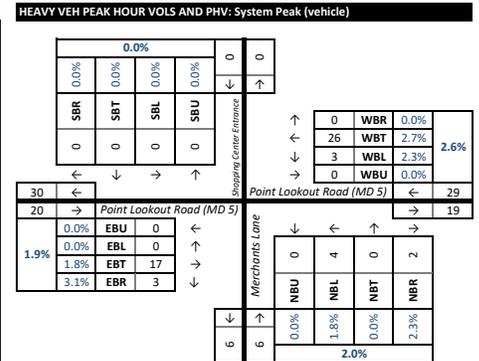
04:00 PM to 07:00 PM

Volumes Displayed as: 2. System Peak (vehicle)
 Intersection Peak Hour (all vehicles): 04:00 PM to 05:00 PM
 System Peak Hour (all vehicles): 04:00 PM to 05:00 PM
 User-Defined Peak Hour: 05:00 PM to 06:00 PM

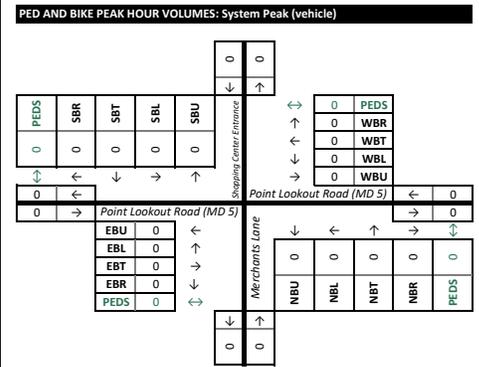
Intersection:		1. Shopping Center Entrance/Merchants Lane & Point Lookout Road (MD 5)																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound				Westbound				Northbound				Eastbound							
		Shopping Center Entrance				Point Lookout Road (MD 5)				Merchants Lane				Point Lookout Road (MD 5)							
		U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right				
04:00 PM	to 04:15 PM	0	3	0	1	0	2	35	241	1	0	0	50	0	23	0	2	1	268	20	0
04:15 PM	to 04:30 PM	0	0	0	0	0	3	25	230	0	0	0	54	0	21	0	0	1	226	22	0
04:30 PM	to 04:45 PM	0	1	0	3	0	5	33	255	0	0	0	59	0	18	0	3	0	262	27	0
04:45 PM	to 05:00 PM	0	0	0	0	0	5	39	229	1	0	0	56	0	24	0	1	1	209	27	0
05:00 PM	to 05:15 PM	0	4	0	1	0	3	28	241	2	0	0	47	0	14	0	3	0	237	25	0
05:15 PM	to 05:30 PM	0	2	0	2	0	2	41	200	4	0	0	55	0	20	0	1	0	215	24	0
05:30 PM	to 05:45 PM	0	0	0	0	0	1	22	213	0	0	0	54	0	19	0	3	0	225	24	0
05:45 PM	to 06:00 PM	0	1	0	0	0	1	25	154	0	0	0	44	0	23	0	4	0	155	28	0
06:00 PM	to 06:15 PM	0	0	0	0	0	3	21	174	1	0	0	38	0	25	0	3	0	170	19	0
06:15 PM	to 06:30 PM	0	0	0	0	0	4	23	136	1	0	0	35	0	15	0	3	0	145	17	0
06:30 PM	to 06:45 PM	0	2	0	0	0	3	23	134	0	0	0	38	0	17	0	2	0	160	27	0
06:45 PM	to 07:00 PM	0	0	0	0	0	2	11	131	0	0	0	34	0	21	0	2	0	120	7	0
07:00 PM	to 07:15 PM																				
07:15 PM	to 07:30 PM																				
07:30 PM	to 07:45 PM																				
07:45 PM	to 08:00 PM																				
08:00 PM	to 08:15 PM																				
08:15 PM	to 08:30 PM																				
08:30 PM	to 08:45 PM																				
08:45 PM	to 09:00 PM																				
SYSTEM PEAK HR (VEH.)		8				1104				305				1070							
04:00 PM to 05:00 PM		0	4	0	4	0	15	132	955	2	0	0	219	0	86	0	6	3	965	96	0
Peak Hour		Overall				SB				WB				NB				EB			
Factor (PHF)		0.93				0.50				0.94				0.95				0.92			



Direction:		1. Shopping Center Entrance/Merchants Lane & Point Lookout Road (MD 5)																			
HEAVY VEHICLES (FHWA 4+)	Roadway: Movement:	Southbound				Westbound				Northbound				Eastbound							
		Shopping Center Entrance				Point Lookout Road (MD 5)				Merchants Lane				Point Lookout Road (MD 5)							
		U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right				
04:00 PM	to 04:15 PM	0	0	0	0	0	0	1	9	0	0	0	0	0	1	0	0	0	6	1	0
04:15 PM	to 04:30 PM	0	0	0	0	0	0	2	4	0	0	0	2	0	0	1	0	0	5	0	0
04:30 PM	to 04:45 PM	0	0	0	0	0	0	0	5	0	0	0	1	0	1	0	0	0	1	2	0
04:45 PM	to 05:00 PM	0	0	0	0	0	0	0	8	0	0	0	1	0	0	0	0	0	5	0	0
05:00 PM	to 05:15 PM	0	0	0	0	0	0	1	6	0	0	0	1	0	0	0	1	0	0	0	0
05:15 PM	to 05:30 PM	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	3	0	0
05:30 PM	to 05:45 PM	0	0	0	0	0	0	1	3	0	0	0	2	0	0	0	0	0	4	1	0
05:45 PM	to 06:00 PM	0	0	0	0	0	0	1	5	0	0	0	0	0	0	0	0	0	1	0	0
06:00 PM	to 06:15 PM	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0
06:15 PM	to 06:30 PM	0	0	0	0	0	0	0	3	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	2	0	0	0	1	0	0	0	0	0	2	0	0
06:45 PM	to 07:00 PM	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0
07:00 PM	to 07:15 PM																				
07:15 PM	to 07:30 PM																				
07:30 PM	to 07:45 PM																				
07:45 PM	to 08:00 PM																				
08:00 PM	to 08:15 PM																				
08:15 PM	to 08:30 PM																				
08:30 PM	to 08:45 PM																				
08:45 PM	to 09:00 PM																				
SYSTEM PEAK HR (VEH.)		0				29				6				20							
04:00 PM to 05:00 PM		0	0	0	0	0	0	3	26	0	0	0	4	0	2	0	0	0	17	3	0
Heavy Vehicle % (PHV)		0.0%				0.0%				0.0%				1.8%							
INT. PEAK HR (HV ONLY)		0				29				6				20							
04:00 PM to 05:00 PM		0	0	0	0	0	0	3	26	0	0	0	4	0	2	0	0	0	17	3	0
Heavy Vehicle % (PHV)		0.0%				0.0%				0.0%				1.8%							



Direction:		1. Shopping Center Entrance/Merchants Lane & Point Lookout Road (MD 5)																			
BICYCLES	Roadway: Movement:	Southbound				Westbound				Northbound				Eastbound							
		Shopping Center Entrance				Point Lookout Road (MD 5)				Merchants Lane				Point Lookout Road (MD 5)							
		U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right				
04:00 PM	to 04:15 PM	0	0	0	0	0	0	0	0	0	0	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	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	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	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	0	0	0	0
05:15 PM	to 05:30 PM	0	0	0	0	0	0	0	1	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	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	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	1	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	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	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	0	1	0	0
07:00 PM	to 07:15 PM																				
07:15 PM	to 07:30 PM																				
07:30 PM	to 07:45 PM																				
07:45 PM	to 08:00 PM																				
08:00 PM	to 08:15 PM																				
08:15 PM	to 08:30 PM																				
08:30 PM	to 08:45 PM																				
08:45 PM	to 09:00 PM																				
SYSTEM PEAK HR (VEH.)		0				0				0				0							
04:00 PM to 05:00 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INT. PEAK HR (BIKES)		0				1				1				0							
05:15 PM to 06:15 PM		0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0



DATA COLLECTION NOTES :

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : 40874 Merchants Lane
 Project # : 7301-3828
 Location : Leonardtown, MD
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period: STUDY PERIOD
 Date of Counts: Thursday, June 1, 2023
 Weather: Partly Cloudy

04:00 PM to 07:00 PM

Volumes Displayed as: 2. System Peak (vehicle)

Intersection Peak Hour (all vehicles): 04:00 PM to 05:00 PM
 System Peak Hour (all vehicles): 04:00 PM to 05:00 PM
 User-Defined Peak Hour: 05:00 PM to 06:00 PM

Intersection:		1. /Right IN/Out Merchants Lane & /Point Lookout Road (MD 5)																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound				
												Right IN/Out Merchants Lane					Point Lookout Road (MD 5)				
		U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds
04:00 PM	to 04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	258	39	0
04:15 PM	to 04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	226	24	0
04:30 PM	to 04:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	259	27	0
04:45 PM	to 05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	210	29	0
05:00 PM	to 05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	237	23	0
05:15 PM	to 05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	212	25	0
05:30 PM	to 05:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	225	20	0
05:45 PM	to 06:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	168	13	0
06:00 PM	to 06:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	181	16	0
06:15 PM	to 06:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	146	19	0
06:30 PM	to 06:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	165	20	0
06:45 PM	to 07:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	125	15	0
07:00 PM	to 07:15 PM																				
07:15 PM	to 07:30 PM																				
07:30 PM	to 07:45 PM																				
07:45 PM	to 08:00 PM																				
08:00 PM	to 08:15 PM																				
08:15 PM	to 08:30 PM																				
08:30 PM	to 08:45 PM																				
08:45 PM	to 09:00 PM																				

SYSTEM PEAK HR (VEH.)		0					0					121					1072						
04:00 PM	to 05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	121	0	0	0	0	953	119	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	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0.84	0.84	n/a	n/a	n/a	0.92	0.76	0.90

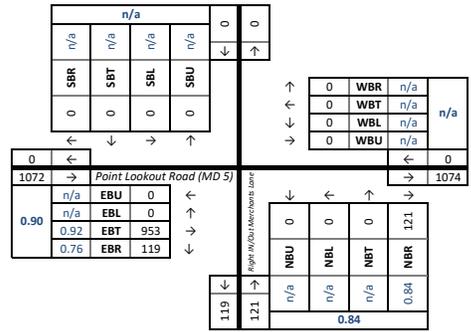
HEAVY VEHICLES (FHWA 4+)		Direction: Roadway: Movement:																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound				
												Right IN/Out Merchants Lane					Point Lookout Road (MD 5)				
		U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds
04:00 PM	to 04:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0
04:15 PM	to 04:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0
04:30 PM	to 04:45 PM	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	4	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	0	1	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	0	3	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	0	3	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	0	1	1	0
06:00 PM	to 06:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	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	0	1	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	0	1	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	0	0	0	0
07:00 PM	to 07:15 PM																				
07:15 PM	to 07:30 PM																				
07:30 PM	to 07:45 PM																				
07:45 PM	to 08:00 PM																				
08:00 PM	to 08:15 PM																				
08:15 PM	to 08:30 PM																				
08:30 PM	to 08:45 PM																				
08:45 PM	to 09:00 PM																				

SYSTEM PEAK HR (VEH.)		0					0					2					18						
04:00 PM	to 05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	18	0	0
Heavy Vehicle % (PHV)		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	1.7%	0.0%	0.0%	1.9%	0.0%	1.7%		
INT. PEAK HR (HV ONLY)		0					2					18											
04:00 PM	to 05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	18	0	0
Heavy Vehicle % (PHV)		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	1.7%	0.0%	0.0%	1.9%	0.0%	1.7%		

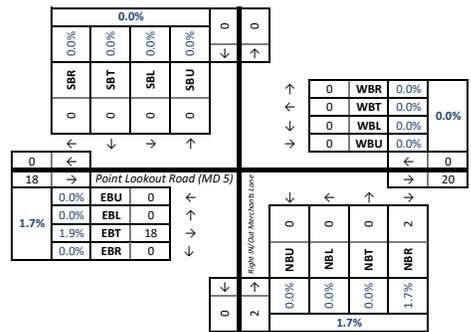
BICYCLES		Direction: Roadway: Movement:																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound				
												Right IN/Out Merchants Lane					Point Lookout Road (MD 5)				
		U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds
04:00 PM	to 04:15 PM	0	0	0	0	0	0	0	0	0	0	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	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	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	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	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	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	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	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	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	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	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	0	0	0	0
07:00 PM	to 07:15 PM																				
07:15 PM	to 07:30 PM																				
07:30 PM	to 07:45 PM																				
07:45 PM	to 08:00 PM																				
08:00 PM	to 08:15 PM																				
08:15 PM	to 08:30 PM																				
08:30 PM	to 08:45 PM																				
08:45 PM	to 09:00 PM																				

SYSTEM PEAK HR (VEH.)		0					0					0										
04:00 PM	to 05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INT. PEAK HR (BIKES)		0					0					0										
04:00 PM	to 05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

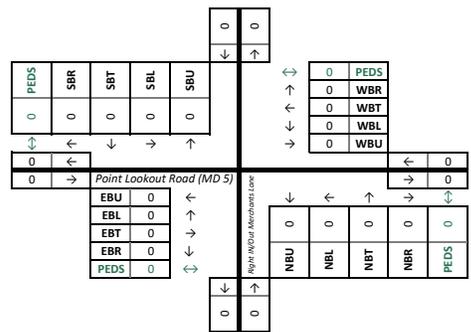
VEHICLE PEAK HOUR VOLS AND PHF: System Peak (vehicle)



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



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



DATA COLLECTION NOTES :

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : 40874 Merchants Lane
 Project # : 7301-3828
 Location : Leonardtown, MD
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period : STUDY PERIOD
 Date of Counts : Thursday, June 1, 2023
 Weather : Partly Cloudy

04:00 PM to 07:00 PM

Volumes Displayed as: 2. System Peak (vehicle)
 Intersection Peak Hour (all vehicles): 04:00 PM to 05:00 PM
 System Peak Hour (all vehicles): 04:00 PM to 05:00 PM
 User-Defined Peak Hour: 05:00 PM to 06:00 PM

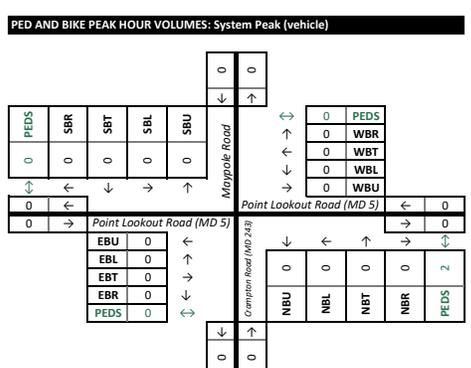
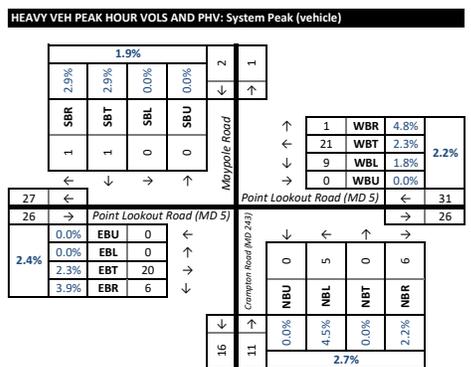
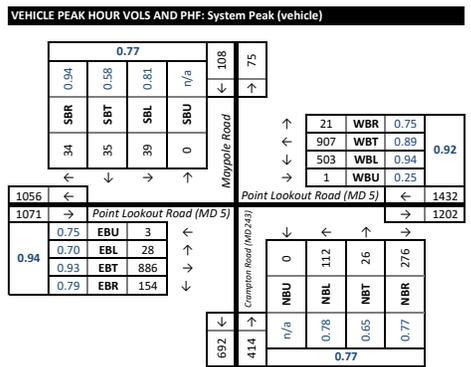
ALL VEHICLES	1. Maypole Road/Crampton Road (MD 243) & Point Lookout Road (MD 5)																			
	Southbound					Westbound					Northbound					Eastbound				
	Maypole Road					Point Lookout Road (MD 5)					Crampton Road (MD 243)					Point Lookout Road (MD 5)				
Direction:	U	L	Thru	R	Peds	U	L	Thru	R	Peds	U	L	Thru	R	Peds	U	L	Thru	R	Peds
04:00 PM to 04:15 PM	0	8	5	9	0	0	132	236	7	0	0	20	10	56	0	1	4	223	49	0
04:15 PM to 04:30 PM	0	11	15	9	0	1	104	202	7	2	0	36	8	90	0	1	10	232	41	0
04:30 PM to 04:45 PM	0	12	9	9	0	0	133	254	4	0	0	29	4	65	0	0	6	237	38	0
04:45 PM to 05:00 PM	0	8	6	7	0	0	134	215	3	0	0	27	4	65	0	1	8	194	26	0
05:00 PM to 05:15 PM	0	5	20	13	0	1	100	220	2	0	0	36	4	79	0	0	10	214	30	0
05:15 PM to 05:30 PM	0	11	10	8	0	0	153	210	4	0	0	29	3	82	0	1	4	204	33	0
05:30 PM to 05:45 PM	0	10	6	9	0	2	130	176	1	0	0	31	3	62	0	1	12	185	45	0
05:45 PM to 06:00 PM	0	8	10	1	0	0	93	151	1	0	0	27	3	53	0	0	6	168	30	0
06:00 PM to 06:15 PM	0	12	7	4	0	0	114	164	0	0	0	26	1	60	0	2	5	160	30	0
06:15 PM to 06:30 PM	0	9	4	7	0	0	110	124	1	0	0	26	3	57	0	0	4	143	22	0
06:30 PM to 06:45 PM	0	5	6	4	0	0	108	140	1	0	0	20	8	67	0	1	4	138	29	0
06:45 PM to 07:00 PM	0	4	6	5	0	0	72	108	3	0	0	25	3	46	0	0	5	132	26	0
07:00 PM to 07:15 PM																				
07:15 PM to 07:30 PM																				
07:30 PM to 07:45 PM																				
07:45 PM to 08:00 PM																				
08:00 PM to 08:15 PM																				
08:15 PM to 08:30 PM																				
08:30 PM to 08:45 PM																				
08:45 PM to 09:00 PM																				

SYSTEM PEAK HR (VEH.)	108					1432					414					1071					
04:00 PM to 05:00 PM	U	L	Thru	R	Peds	U	L	Thru	R	Peds	U	L	Thru	R	Peds	U	L	Thru	R	Peds	
04:00 PM to 05:00 PM	0	39	35	34	0	1	503	907	21	2	0	112	26	276	0	3	28	886	154	0	
Peak Hour Overall	U	L	Thru	R	Peds	U	L	Thru	R	Peds	U	L	Thru	R	Peds	U	L	Thru	R	Peds	
Factor (PHF)	0.95	n/a	0.81	0.58	0.94	0.77	0.25	0.94	0.89	0.75	0.92	n/a	0.78	0.65	0.77	0.77	0.75	0.70	0.93	0.79	0.94

HEAVY VEHICLES (FHWA 4+)	1. Maypole Road/Crampton Road (MD 243) & Point Lookout Road (MD 5)																			
	Southbound					Westbound					Northbound					Eastbound				
	Maypole Road					Point Lookout Road (MD 5)					Crampton Road (MD 243)					Point Lookout Road (MD 5)				
Direction:	U	L	Thru	R	U	L	Thru	R	U	L	Thru	R	U	L	Thru	R				
04:00 PM to 04:15 PM	0	0	0	0	0	1	9	1	0	1	0	0	0	0	7	5				
04:15 PM to 04:30 PM	0	0	1	0	0	3	3	0	0	1	0	2	0	0	5	1				
04:30 PM to 04:45 PM	0	0	0	1	0	2	2	0	0	3	0	2	0	0	3	0				
04:45 PM to 05:00 PM	0	0	0	0	0	3	7	0	0	0	0	2	0	0	5	0				
05:00 PM to 05:15 PM	0	0	0	0	0	0	3	0	0	3	0	1	0	0	1	0				
05:15 PM to 05:30 PM	0	0	0	0	0	0	5	0	0	0	0	0	0	0	2	1				
05:30 PM to 05:45 PM	0	0	0	0	0	0	2	0	0	0	0	1	0	0	5	0				
05:45 PM to 06:00 PM	0	0	0	0	0	3	5	0	0	2	1	0	0	0	0	0				
06:00 PM to 06:15 PM	0	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0				
06:15 PM to 06:30 PM	0	0	0	0	0	0	2	0	0	0	0	1	0	0	1	0				
06:30 PM to 06:45 PM	0	0	0	0	0	1	2	0	0	0	0	0	0	0	2	0				
06:45 PM to 07:00 PM	0	0	0	0	0	0	3	0	0	1	0	0	0	0	1	0				
07:00 PM to 07:15 PM																				
07:15 PM to 07:30 PM																				
07:30 PM to 07:45 PM																				
07:45 PM to 08:00 PM																				
08:00 PM to 08:15 PM																				
08:15 PM to 08:30 PM																				
08:30 PM to 08:45 PM																				
08:45 PM to 09:00 PM																				

SYSTEM PEAK HR (VEH.)	2					31					11					26				
04:00 PM to 05:00 PM	U	L	Thru	R	Peds	U	L	Thru	R	Peds	U	L	Thru	R	Peds	U	L	Thru	R	Peds
04:00 PM to 05:00 PM	0	0	1	1		0	9	21	1		0	5	0	6		0	0	20	6	
Heavy Vehicle % (PHV)	0.0%	0.0%	2.9%	2.9%	1.9%	0.0%	1.8%	2.3%	4.8%	2.2%	0.0%	4.5%	0.0%	2.2%	2.7%	0.0%	0.0%	2.3%	3.9%	2.4%
INT. PEAK HR (HV ONLY)	2					31					11					26				
04:00 PM to 05:00 PM	U	L	Thru	R	Peds	U	L	Thru	R	Peds	U	L	Thru	R	Peds	U	L	Thru	R	Peds
04:00 PM to 05:00 PM	0	0	1	1		0	9	21	1		0	5	0	6		0	0	20	6	
Heavy Vehicle % (PHV)	0.0%	0.0%	2.9%	2.9%	1.9%	0.0%	1.8%	2.3%	4.8%	2.2%	0.0%	4.5%	0.0%	2.2%	2.7%	0.0%	0.0%	2.3%	3.9%	2.4%

BICYCLES	1. Maypole Road/Crampton Road (MD 243) & Point Lookout Road (MD 5)																			
	Southbound					Westbound					Northbound					Eastbound				
	Maypole Road					Point Lookout Road (MD 5)					Crampton Road (MD 243)					Point Lookout Road (MD 5)				
Direction:	U	L	Thru	R	U	L	Thru	R	U	L	Thru	R	U	L	Thru	R				
04:00 PM to 04:15 PM	0	0	0	0	0	0	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	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0				
05:45 PM to 06:00 PM	0	1	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	1	0				
07:00 PM to 07:15 PM																				
07:15 PM to 07:30 PM																				
07:30 PM to 07:45 PM																				
07:45 PM to 08:00 PM																				
08:00 PM to 08:15 PM																				
08:15 PM to 08:30 PM																				
08:30 PM to 08:45 PM																				
08:45 PM to 09:00 PM																				
SYSTEM PEAK HR (VEH.)	0					0					0					0				
04:00 PM to 05:00 PM	U	L	Thru	R	Peds	U	L	Thru	R	Peds	U	L	Thru	R	Peds	U	L	Thru	R	Peds
04:00 PM to 05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INT. PEAK HR (BIKES)	1					0					0					0				
05:00 PM to 06:00 PM	U	L	Thru	R	Peds	U	L	Thru	R	Peds	U	L	Thru	R	Peds	U	L	Thru	R	Peds
05:00 PM to 06:00 PM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : 40874 Merchants Lane
 Project # : 7301-3828
 Location : Leonardtown, MD
 Data Source : Gorove/Slade Associates, Inc.

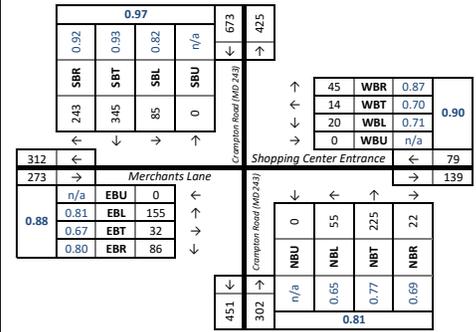
Analysis Period : STUDY PERIOD
 Date of Counts : Thursday, June 1, 2023
 Weather : Partly Cloudy

04:00 PM to 07:00 PM

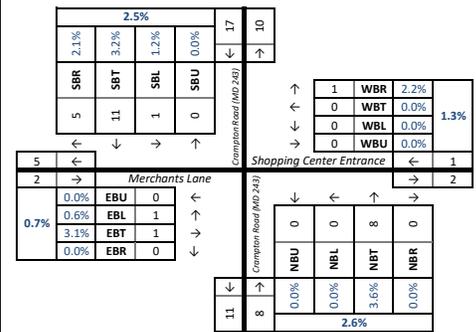
Volumes Displayed as: 2. System Peak (vehicle)
 Intersection Peak Hour (all vehicles): 04:30 PM to 05:30 PM
 System Peak Hour (all vehicles): 04:00 PM to 05:00 PM
 User-Defined Peak Hour: 05:00 PM to 06:00 PM

Intersection:		1. Crampton Road (MD 243) & Shopping Center Entrance/Merchants Lane																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound				Westbound				Northbound				Eastbound							
		Crampton Road (MD 243)				Shopping Center Entrance				Crampton Road (MD 243)				Merchants Lane							
		U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right				
04:00 PM	to 04:15 PM	0	26	93	54	0	0	1	5	13	0	0	11	39	4	0	0	39	12	21	0
04:15 PM	to 04:30 PM	0	18	78	66	0	0	6	5	11	0	0	12	73	8	0	0	48	3	27	0
04:30 PM	to 04:45 PM	0	26	82	65	0	0	6	4	9	0	0	11	58	4	1	0	35	7	14	0
04:45 PM	to 05:00 PM	0	15	92	58	0	0	7	0	12	0	0	21	55	6	0	0	33	10	24	0
05:00 PM	to 05:15 PM	0	16	72	56	0	0	3	6	5	0	0	15	58	6	0	0	43	9	29	0
05:15 PM	to 05:30 PM	0	29	115	65	0	0	7	4	17	0	0	10	72	8	0	0	29	7	23	0
05:30 PM	to 05:45 PM	0	27	95	36	0	0	5	3	16	0	0	10	48	4	0	0	33	4	24	0
05:45 PM	to 06:00 PM	0	17	69	48	0	0	6	2	11	0	0	11	46	3	0	0	34	5	15	0
06:00 PM	to 06:15 PM	0	24	79	47	0	0	5	2	10	0	0	8	44	8	0	0	30	9	19	0
06:15 PM	to 06:30 PM	0	15	73	41	0	0	7	4	9	0	0	11	39	6	0	0	36	4	17	0
06:30 PM	to 06:45 PM	0	12	67	53	0	0	7	2	7	0	0	12	48	6	0	0	35	5	26	0
06:45 PM	to 07:00 PM	0	19	46	40	0	0	1	4	8	0	0	15	33	2	0	0	35	8	17	0
07:00 PM	to 07:15 PM																				
07:15 PM	to 07:30 PM																				
07:30 PM	to 07:45 PM																				
07:45 PM	to 08:00 PM																				
08:00 PM	to 08:15 PM																				
08:15 PM	to 08:30 PM																				
08:30 PM	to 08:45 PM																				
08:45 PM	to 09:00 PM																				
SYSTEM PEAK HR (VEH.)		673				79				302				273							
04:00 PM	to 05:00 PM	0	85	345	243	0	0	20	14	45	0	0	55	225	22	1	0	155	32	86	0
Peak Hour		Overall				SB				WB				NB				EB			
Factor (PHF)		0.93				n/a				0.87				0.81				0.88			
HEAVY VEHICLES (FHWA 4+)	Direction: Roadway: Movement:	Southbound				Westbound				Northbound				Eastbound							
		Crampton Road (MD 243)				Shopping Center Entrance				Crampton Road (MD 243)				Merchants Lane							
		U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right				
04:00 PM	to 04:15 PM	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
04:15 PM	to 04:30 PM	0	1	4	2	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
04:30 PM	to 04:45 PM	0	0	2	0	0	0	0	0	1	0	0	0	3	0	0	0	0	0	0	0
04:45 PM	to 05:00 PM	0	0	0	3	0	0	0	0	0	0	0	0	2	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	2	0	0	0	3	0	0	0
05:15 PM	to 05:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	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	1	0	0	0	1	0	0	0
05:45 PM	to 06:00 PM	0	1	2	0	0	0	1	0	1	0	0	1	0	0	0	0	1	1	1	0
06:00 PM	to 06:15 PM	0	0	0	0	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	1	0	0	0	0	1	0	0	0
06:30 PM	to 06:45 PM	0	0	1	0	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	1	0	0	0	0	0	0	0
07:00 PM	to 07:15 PM																				
07:15 PM	to 07:30 PM																				
07:30 PM	to 07:45 PM																				
07:45 PM	to 08:00 PM																				
08:00 PM	to 08:15 PM																				
08:15 PM	to 08:30 PM																				
08:30 PM	to 08:45 PM																				
08:45 PM	to 09:00 PM																				
SYSTEM PEAK HR (VEH.)		17				1				8				2							
04:00 PM	to 05:00 PM	0	1	11	5	0	0	0	0	1	0	0	0	8	0	0	0	1	1	0	0
Heavy Vehicle % (PHV)		0.0%				1.2%				3.2%				2.1%							
INT. PEAK HR (HV ONLY)		17				1				8				2							
04:00 PM	to 05:00 PM	0	1	11	5	0	0	0	0	1	0	0	0	8	0	0	0	1	1	0	0
Heavy Vehicle % (PHV)		0.0%				1.2%				3.2%				2.1%							
BICYCLES	Direction: Roadway: Movement:	Southbound				Westbound				Northbound				Eastbound							
		Crampton Road (MD 243)				Shopping Center Entrance				Crampton Road (MD 243)				Merchants Lane							
		U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right				
04:00 PM	to 04:15 PM	0	0	0	0	0	0	0	0	0	0	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	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	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	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	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	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	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	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	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	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	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	0	0	0	0
07:00 PM	to 07:15 PM																				
07:15 PM	to 07:30 PM																				
07:30 PM	to 07:45 PM																				
07:45 PM	to 08:00 PM																				
08:00 PM	to 08:15 PM																				
08:15 PM	to 08:30 PM																				
08:30 PM	to 08:45 PM																				
08:45 PM	to 09:00 PM																				
SYSTEM PEAK HR (VEH.)		0				0				0				0							
04:00 PM	to 05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INT. PEAK HR (BIKES)		0				0				0				0							
04:00 PM	to 05:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

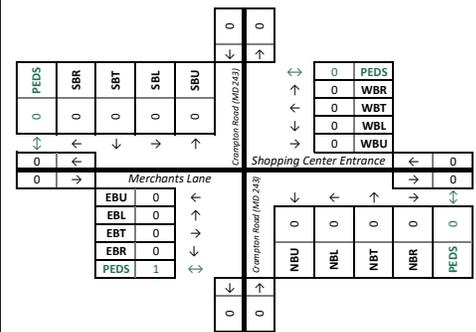
VEHICLE PEAK HOUR VOLS AND PHF: System Peak (vehicle)



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



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



DATA COLLECTION NOTES :

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name: 40874 Merchants Lane
 Project #: 7301-3828
 Location: Leonardtown, MD
 Data Source: Gorove/Slade Associates, Inc.

Analysis Period: STUDY PERIOD
 Date of Counts: Saturday, June 3, 2023
 Weather: Partly Cloudy

10:00 AM to 02:00 PM

Volumes Displayed as: 2. System Peak (vehicle)
 Intersection Peak Hour (all vehicles): 11:00 AM to 12:00 PM
 System Peak Hour (all vehicles): 12:30 PM to 01:30 PM
 User-Defined Peak Hour: 11:00 AM to 12:00 PM

Intersection:		1. Site Driveway/ & Merchants Lane																
ALL VEHICLES	Direction: Roadway: Movement:	Southbound				Westbound				Northbound				Eastbound				
		Site Driveway				Merchants Lane								Merchants Lane				
		U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	
10:00 AM to 10:15 AM		0	0	0	0	0	0	53	1	0	0	0	0	0	0	23	0	0
10:15 AM to 10:30 AM		0	0	0	0	0	0	44	0	0	0	0	0	0	0	29	0	0
10:30 AM to 10:45 AM		0	0	0	0	0	0	47	0	0	0	0	0	0	1	25	0	0
10:45 AM to 11:00 AM		0	0	0	0	0	0	51	0	0	0	0	0	0	0	37	0	0
11:00 AM to 11:15 AM		0	1	0	0	2	0	47	1	0	0	0	0	0	0	37	0	0
11:15 AM to 11:30 AM		0	0	0	0	0	0	60	0	0	0	0	0	0	0	38	0	0
11:30 AM to 11:45 AM		0	0	0	1	0	0	44	2	0	0	0	0	0	0	33	0	0
11:45 AM to 12:00 PM		0	0	0	0	0	0	66	2	0	0	0	0	0	0	38	0	0
12:00 PM to 12:15 PM		0	1	0	0	0	0	54	0	0	0	0	0	0	0	25	0	0
12:15 PM to 12:30 PM		0	1	0	0	0	0	56	1	0	0	0	0	0	1	40	0	0
12:30 PM to 12:45 PM		0	1	0	0	0	0	55	1	0	0	0	0	0	0	28	0	0
12:45 PM to 01:00 PM		0	0	0	0	0	0	51	0	0	0	0	0	0	0	33	0	0
01:00 PM to 01:15 PM		0	0	0	1	0	0	48	0	0	0	0	0	0	1	38	0	0
01:15 PM to 01:30 PM		0	0	0	0	0	0	40	1	0	0	0	0	0	0	40	0	0
01:30 PM to 01:45 PM		0	1	0	0	0	0	34	0	0	0	0	0	0	0	38	0	0
01:45 PM to 02:00 PM		0	2	0	0	0	0	37	1	0	0	0	0	0	0	31	0	0
02:00 PM to 02:15 PM																		
02:15 PM to 02:30 PM																		
02:30 PM to 02:45 PM																		
02:45 PM to 03:00 PM																		

SYSTEM PEAK HR (VEH.)		2				196				0				140						
12:30 PM to 01:30 PM		0	1	0	1	0	0	0	194	2	0	0	0	0	0	0	1	139	0	0
Peak Hour	Overall																			
Factor (PHF)	0.96	n/a	0.25	n/a	0.25	0.50	n/a	n/a	0.88	0.50	0.88	n/a	n/a	n/a	n/a	0.25	0.87	n/a	0.88	

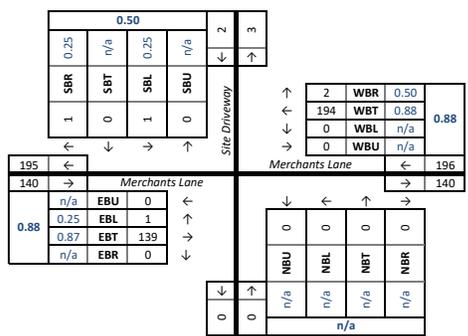
HEAVY VEHICLES (FHWA 4+)		Southbound				Westbound				Northbound				Eastbound					
Direction: Roadway: Movement:		Site Driveway				Merchants Lane								Merchants Lane					
		U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right		
10:00 AM to 10:15 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15 AM to 10:30 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
10:30 AM to 10:45 AM		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
10:45 AM to 11:00 AM		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
11:00 AM to 11:15 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM to 11:30 AM		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0
11:30 AM to 11:45 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
11:45 AM to 12:00 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:00 PM to 12:15 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM to 12:30 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM to 12:45 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
12:45 PM to 01:00 PM		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0
01:00 PM to 01:15 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15 PM to 01:30 PM		0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0
01:30 PM to 01:45 PM		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
01:45 PM to 02:00 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00 PM to 02:15 PM																			
02:15 PM to 02:30 PM																			
02:30 PM to 02:45 PM																			
02:45 PM to 03:00 PM																			

SYSTEM PEAK HR (VEH.)		0				3				0				4					
12:30 PM to 01:30 PM		0	0	0	0	0	0	0	3	0	0	0	0	0	0	4	4	0	0
Heavy Vehicle % (PHV)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	2.9%	0.0%	2.9%	
INT. PEAK HR (HV ONLY)		0				3				0				4					
12:30 PM to 01:30 PM		0	0	0	0	0	0	0	3	0	0	0	0	0	0	4	0	0	
Heavy Vehicle % (PHV)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	2.9%	0.0%	2.9%	

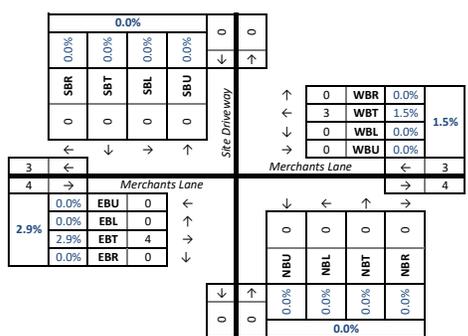
BICYCLES		Southbound				Westbound				Northbound				Eastbound					
Direction: Roadway: Movement:		Site Driveway				Merchants Lane								Merchants Lane					
		U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right		
10:00 AM to 10:15 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15 AM to 10:30 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
10:30 AM to 10:45 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:45 AM to 11:00 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 AM to 11:15 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM to 11:30 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM to 11:45 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM to 12:00 PM		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
12:00 PM to 12:15 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM to 12:30 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM to 12:45 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM to 01:00 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00 PM to 01:15 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15 PM to 01:30 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30 PM to 01:45 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45 PM to 02:00 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00 PM to 02:15 PM																			
02:15 PM to 02:30 PM																			
02:30 PM to 02:45 PM																			
02:45 PM to 03:00 PM																			

SYSTEM PEAK HR (VEH.)		0				0				0				0					
12:30 PM to 01:30 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INT. PEAK HR (BIKES)		0				0				0				1					
10:00 AM to 11:00 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0

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



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



Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : 40874 Merchants Lane
 Project # : 7301-3828
 Location : Leonardtown, MD
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period : STUDY PERIOD
 Date of Counts : Saturday, June 3, 2023
 Weather : Partly Cloudy

10:00 AM to 02:00 PM

Volumes Displayed as: 2. System Peak (vehicle)
 Intersection Peak Hour (all vehicles): 11:30 AM to 12:30 PM
 System Peak Hour (all vehicles): 12:30 PM to 01:30 PM
 User-Defined Peak Hour: 11:00 AM to 12:00 PM

Intersection:		1. Shopping Center Entrance/Merchants Lane & Point Lookout Road (MD 5)																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound				Westbound				Northbound				Eastbound							
		Shopping Center Entrance				Point Lookout Road (MD 5)				Merchants Lane				Point Lookout Road (MD 5)							
		U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right				
10:00 AM to 10:15 AM		0	0	0	0	4	24	152	0	0	48	0	16	0	4	0	159	27	0		
10:15 AM to 10:30 AM		0	0	0	0	6	36	167	1	0	0	45	0	18	0	0	190	29	0		
10:30 AM to 10:45 AM		0	0	0	1	4	21	150	9	0	0	47	0	18	0	1	2	166	28	0	
10:45 AM to 11:00 AM		0	1	0	1	2	31	151	1	0	0	51	0	26	0	0	0	157	32	0	
11:00 AM to 11:15 AM		0	0	0	0	3	26	163	0	0	0	49	0	34	0	4	0	194	25	0	
11:15 AM to 11:30 AM		0	1	0	0	1	24	168	1	0	0	50	0	25	0	2	1	180	43	0	
11:30 AM to 11:45 AM		0	5	0	0	3	22	173	2	0	0	59	0	27	0	4	0	209	28	0	
11:45 AM to 12:00 PM		0	0	1	0	2	24	188	2	0	0	54	0	22	0	1	1	191	38	0	
12:00 PM to 12:15 PM		0	0	1	2	1	34	173	1	0	0	68	2	22	0	4	1	161	35	0	
12:15 PM to 12:30 PM		0	2	0	1	3	38	182	0	0	0	57	0	19	0	5	5	178	42	0	
12:30 PM to 12:45 PM		0	2	0	1	2	34	178	0	0	0	63	0	33	0	0	3	175	27	0	
12:45 PM to 01:00 PM		0	2	0	0	2	34	170	1	0	0	52	0	36	0	1	0	180	30	0	
01:00 PM to 01:15 PM		0	2	0	1	4	28	144	0	0	0	46	1	33	0	1	0	200	26	0	
01:15 PM to 01:30 PM		0	3	0	0	2	23	200	0	0	0	42	1	25	0	1	0	236	35	0	
01:30 PM to 01:45 PM		0	0	0	0	0	31	152	0	0	0	41	0	32	0	1	3	174	41	0	
01:45 PM to 02:00 PM		0	1	1	0	2	21	145	0	0	0	41	0	31	0	2	0	154	23	0	
02:00 PM to 02:15 PM																					
02:15 PM to 02:30 PM																					
02:30 PM to 02:45 PM																					
02:45 PM to 03:00 PM																					

SYSTEM PEAK HR (VEH.)		11				822				332				915			
12:30 PM to 01:30 PM		U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right
Peak Hour	Overall	0	9	0	2	10	119	692	1	0	203	2	127	3	3	791	118
Factor (PHF)		n/a	0.75	n/a	0.50	0.63	0.88	0.87	0.25	n/a	0.81	0.50	0.88	0.75	0.25	0.84	0.84

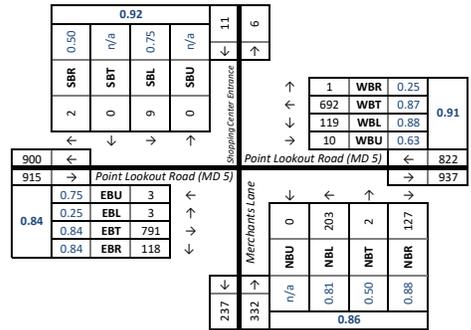
HEAVY VEHICLES (FHWA 4+)		1. Shopping Center Entrance/Merchants Lane & Point Lookout Road (MD 5)																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound				Westbound				Northbound				Eastbound							
		Shopping Center Entrance				Point Lookout Road (MD 5)				Merchants Lane				Point Lookout Road (MD 5)							
		U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right				
10:00 AM to 10:15 AM		0	0	0	0	0	1	4	0	0	0	0	0	0	1	0	3	0	0		
10:15 AM to 10:30 AM		0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	3	0	0		
10:30 AM to 10:45 AM		0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	0		
10:45 AM to 11:00 AM		0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	2	0	0		
11:00 AM to 11:15 AM		0	0	0	0	0	1	3	0	0	0	1	0	0	0	0	2	0	0		
11:15 AM to 11:30 AM		0	0	0	0	0	3	2	0	0	0	1	0	0	0	0	5	1	0		
11:30 AM to 11:45 AM		0	0	0	0	0	0	5	0	0	0	0	1	0	0	0	2	0	0		
11:45 AM to 12:00 PM		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	5	0	0		
12:00 PM to 12:15 PM		0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	2	0	0		
12:15 PM to 12:30 PM		0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0		
12:30 PM to 12:45 PM		0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	3	2	0		
12:45 PM to 01:00 PM		0	0	0	0	0	0	1	0	0	0	2	0	0	0	0	1	1	0		
01:00 PM to 01:15 PM		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0		
01:15 PM to 01:30 PM		0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	3	1	0		
01:30 PM to 01:45 PM		0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0		
01:45 PM to 02:00 PM		0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	1	1	0		
02:00 PM to 02:15 PM																					
02:15 PM to 02:30 PM																					
02:30 PM to 02:45 PM																					
02:45 PM to 03:00 PM																					

SYSTEM PEAK HR (VEH.)		0				7				5				13			
12:30 PM to 01:30 PM		U	Left	Thru	Right												
Heavy Vehicle % (PHV)		0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.9%	0.0%	0.0%	2.0%	0.0%	0.8%	0.0%	0.0%	1.0%	4.2%
INT. PEAK HR (HV ONLY)		0				17				2				15			
11:15 AM to 12:15 PM		0	0	0	0	0	3	14	0	0	1	0	1	0	0	14	1
Heavy Vehicle % (PHV)		0.0%	0.0%	0.0%	0.0%	0.0%	2.9%	2.0%	0.0%	0.0%	0.4%	0.0%	1.0%	0.0%	0.0%	1.9%	0.7%

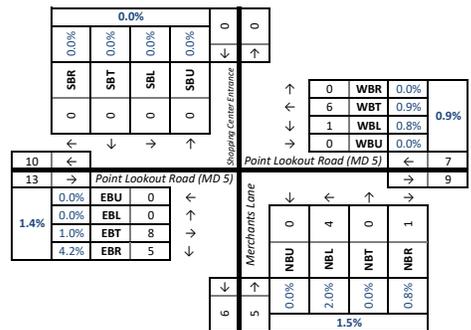
BICYCLES		1. Shopping Center Entrance/Merchants Lane & Point Lookout Road (MD 5)																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound				Westbound				Northbound				Eastbound							
		Shopping Center Entrance				Point Lookout Road (MD 5)				Merchants Lane				Point Lookout Road (MD 5)							
		U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right				
10:00 AM to 10:15 AM		0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0		
10:15 AM to 10:30 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
10:30 AM to 10:45 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
10:45 AM to 11:00 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11:00 AM to 11:15 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11:15 AM to 11:30 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11:30 AM to 11:45 AM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11:45 AM to 12:00 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
12:00 PM to 12:15 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
12:15 PM to 12:30 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
12:30 PM to 12:45 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
12:45 PM to 01:00 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
01:00 PM to 01:15 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
01:15 PM to 01:30 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
01:30 PM to 01:45 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
01:45 PM to 02:00 PM		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
02:00 PM to 02:15 PM																					
02:15 PM to 02:30 PM																					
02:30 PM to 02:45 PM																					
02:45 PM to 03:00 PM																					

DATA COLLECTION NOTES :

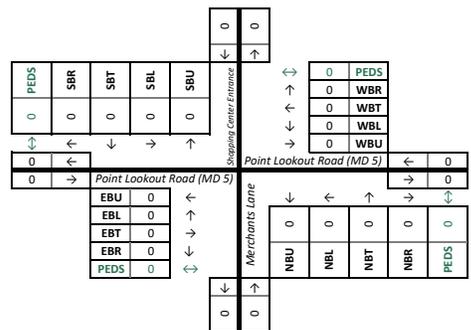
VEHICLE PEAK HOUR VOLS AND PHF: System Peak (vehicle)



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



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



Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : 40874 Merchants Lane
 Project # : 7301-3828
 Location : Leonardtown, MD
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period: STUDY PERIOD
 Date of Counts: Saturday, June 3, 2023
 Weather: Partly Cloudy

10:00 AM to 02:00 PM

Volumes Displayed as: 2. System Peak (vehicle)

Intersection Peak Hour (all vehicles): 12:30 PM to 01:30 PM
 System Peak Hour (all vehicles): 12:30 PM to 01:30 PM
 User-Defined Peak Hour: 11:00 AM to 12:00 PM

Intersection:		1. /Right IN/Out Merchants Lane & /Point Lookout Road (MD 5)																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound				
		U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds
10:00 AM	to 10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	142	34	0
10:15 AM	to 10:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0	183	31	0
10:30 AM	to 10:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	165	26	0
10:45 AM	to 11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	37	0	0	0	0	159	27	0
11:00 AM	to 11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	31	0	0	0	0	200	28	0
11:15 AM	to 11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	189	21	0
11:30 AM	to 11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	22	0	0	0	0	204	40	0
11:45 AM	to 12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	33	0	0	0	0	179	38	0
12:00 PM	to 12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	38	0	0	0	0	162	26	0
12:15 PM	to 12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	169	31	0
12:30 PM	to 12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	191	21	0
12:45 PM	to 01:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0	196	24	0
01:00 PM	to 01:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	217	24	0
01:15 PM	to 01:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	25	0	0	0	0	244	22	0
01:30 PM	to 01:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	23	0	0	0	0	186	22	0
01:45 PM	to 02:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	165	21	0
02:00 PM	to 02:15 PM																				
02:15 PM	to 02:30 PM																				
02:30 PM	to 02:45 PM																				
02:45 PM	to 03:00 PM																				

SYSTEM PEAK HR (VEH.)	Overall	SB	WB	NB	EB
12:30 PM to 01:30 PM	0.89	n/a	n/a	0.87	0.95

HEAVY VEHICLES (FHWA 4+)		1. /Right IN/Out Merchants Lane & /Point Lookout Road (MD 5)																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound				
		U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds
10:00 AM	to 10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0
10:15 AM	to 10:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
10:30 AM	to 10:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
10:45 AM	to 11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 AM	to 11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0
11:15 AM	to 11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	4	0	0
11:30 AM	to 11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	0	0
11:45 AM	to 12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	1	0
12:00 PM	to 12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	0	0
12:15 PM	to 12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
12:30 PM	to 12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	0	0
12:45 PM	to 01:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
01:00 PM	to 01:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
01:15 PM	to 01:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0
01:30 PM	to 01:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
01:45 PM	to 02:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
02:00 PM	to 02:15 PM																				
02:15 PM	to 02:30 PM																				
02:30 PM	to 02:45 PM																				
02:45 PM	to 03:00 PM																				

SYSTEM PEAK HR (VEH.)	Overall	SB	WB	NB	EB
12:30 PM to 01:30 PM	0.00	0.00	0.00	0.00	1.00

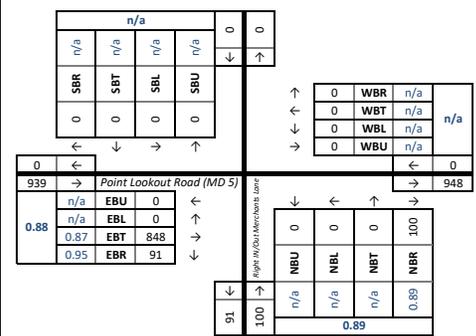
INT. PEAK HR (HV ONLY)	Overall	SB	WB	NB	EB
11:15 AM to 12:15 PM	0.00	0.00	0.00	0.00	3.3%

BICYCLES		1. /Right IN/Out Merchants Lane & /Point Lookout Road (MD 5)																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound				
		U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds
10:00 AM	to 10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:15 AM	to 10:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
10:30 AM	to 10:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:45 AM	to 11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:00 AM	to 11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:15 AM	to 11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:30 AM	to 11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11:45 AM	to 12:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:00 PM	to 12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:15 PM	to 12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:30 PM	to 12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12:45 PM	to 01:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:00 PM	to 01:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:15 PM	to 01:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:30 PM	to 01:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
01:45 PM	to 02:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00 PM	to 02:15 PM																				
02:15 PM	to 02:30 PM																				
02:30 PM	to 02:45 PM																				
02:45 PM	to 03:00 PM																				

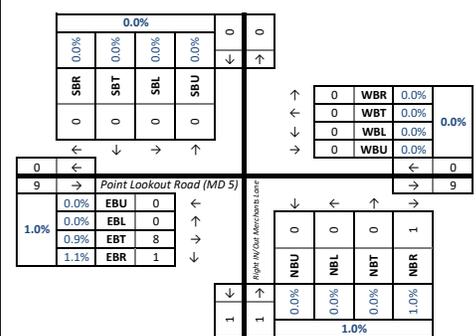
SYSTEM PEAK HR (VEH.)	Overall	SB	WB	NB	EB
12:30 PM to 01:30 PM	0.00	0.00	0.00	0.00	0.00

INT. PEAK HR (BIKES)	Overall	SB	WB	NB	EB
10:00 AM to 11:00 AM	0.00	0.00	0.00	0.00	1.00

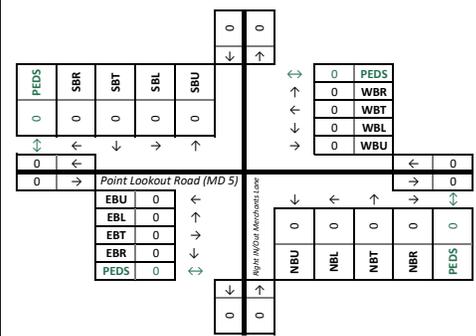
VEHICLE PEAK HOUR VOLS AND PHF: System Peak (vehicle)



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



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



DATA COLLECTION NOTES :

Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : 40874 Merchants Lane
 Project # : 7301-3828
 Location : Leonardtown, MD
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period: STUDY PERIOD
 Date of Counts: Saturday, June 3, 2023
 Weather: Partly Cloudy

10:00 AM to 02:00 PM

Volumes Displayed as: 2. System Peak (vehicle)
 Intersection Peak Hour (all vehicles): 11:30 AM to 12:30 PM
 System Peak Hour (all vehicles): 12:30 PM to 01:30 PM
 User-Defined Peak Hour: 11:00 AM to 12:00 PM

Intersection:		1. Crampton Road (MD 243) & Shopping Center Entrance/Merchants Lane																						
ALL VEHICLES	Direction: Roadway: Movement:	Southbound				Westbound				Northbound				Eastbound										
		Crampton Road (MD 243)				Shopping Center Entrance				Crampton Road (MD 243)				Merchants Lane										
		U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R							
10:00 AM	to 10:15 AM	0	19	42	64	0	0	2	6	6	0	0	14	51	6	0	0	36	3	15	0			
10:15 AM	to 10:30 AM	0	20	44	68	0	0	6	6	12	0	0	31	51	5	0	0	54	0	22	0			
10:30 AM	to 10:45 AM	0	22	46	49	0	0	10	5	8	0	0	20	48	10	0	0	33	11	19	0			
10:45 AM	to 11:00 AM	0	19	37	62	0	0	2	6	7	0	0	15	58	4	0	0	30	7	20	0			
11:00 AM	to 11:15 AM	0	18	69	62	0	0	4	3	14	0	0	9	47	9	0	0	30	10	14	0			
11:15 AM	to 11:30 AM	0	16	65	65	0	0	6	9	13	0	0	14	45	10	0	0	29	8	22	0			
11:30 AM	to 11:45 AM	0	14	64	83	0	0	2	3	15	0	0	13	51	9	0	0	38	12	21	0			
11:45 AM	to 12:00 PM	0	21	62	57	0	0	4	4	8	0	0	16	63	10	0	0	40	6	12	0			
12:00 PM	to 12:15 PM	0	20	57	63	0	0	4	3	12	0	0	21	52	10	0	0	48	6	22	0			
12:15 PM	to 12:30 PM	0	25	69	59	0	0	9	4	12	0	0	16	51	10	0	0	50	2	20	0			
12:30 PM	to 12:45 PM	0	19	79	55	0	0	9	3	10	0	0	13	55	5	0	0	53	4	18	0			
12:45 PM	to 01:00 PM	0	18	77	55	0	0	3	8	9	0	0	12	48	4	0	0	40	9	15	0			
01:00 PM	to 01:15 PM	0	13	56	59	0	0	10	5	8	0	0	9	43	6	1	0	41	6	17	0			
01:15 PM	to 01:30 PM	0	24	69	55	0	0	5	4	9	0	0	13	50	9	0	0	47	5	18	0			
01:30 PM	to 01:45 PM	0	23	68	43	0	0	4	4	15	0	0	14	40	8	1	0	42	5	19	0			
01:45 PM	to 02:00 PM	0	17	60	54	0	0	4	9	12	0	0	16	50	3	1	0	33	11	17	0			
02:00 PM	to 02:15 PM																							
02:15 PM	to 02:30 PM																							
02:30 PM	to 02:45 PM																							
02:45 PM	to 03:00 PM																							
SYSTEM PEAK HR (VEH.)		579				83				267				273										
12:30 PM	to 01:30 PM	0	74	281	224	0	0	27	20	36	0	0	47	196	24	1	0	181	24	68	0			
Peak Hour	Overall	U	L	T	R	SB		U	L	T	R	WB		U	L	T	R	NB		U	L	T	R	EB
Factor (PHF)	0.93	n/a	0.77	0.89	0.95	0.95		n/a	0.68	0.63	0.90	0.90		n/a	0.90	0.89	0.67	0.91		n/a	0.85	0.67	0.94	0.91
HEAVY VEHICLES (FHWA 4+)	Direction: Roadway: Movement:	Southbound				Westbound				Northbound				Eastbound										
		Crampton Road (MD 243)				Shopping Center Entrance				Crampton Road (MD 243)				Merchants Lane										
		U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R							
10:00 AM	to 10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0		
10:15 AM	to 10:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0		
10:30 AM	to 10:45 AM	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0		
10:45 AM	to 11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11:00 AM	to 11:15 AM	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11:15 AM	to 11:30 AM	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0		
11:30 AM	to 11:45 AM	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1		
11:45 AM	to 12:00 PM	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0		
12:00 PM	to 12:15 PM	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1		
12:15 PM	to 12:30 PM	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0		
12:30 PM	to 12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
12:45 PM	to 01:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0		
01:00 PM	to 01:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
01:15 PM	to 01:30 PM	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1		
01:30 PM	to 01:45 PM	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
01:45 PM	to 02:00 PM	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0		
02:00 PM	to 02:15 PM																							
02:15 PM	to 02:30 PM																							
02:30 PM	to 02:45 PM																							
02:45 PM	to 03:00 PM																							
SYSTEM PEAK HR (VEH.)		1				0				0				2										
12:30 PM	to 01:30 PM	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1		
Heavy Vehicle % (PHV)		0.0%	0.0%	0.0%	0.4%	0.2%		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	1.5%	0.7%		
INT. PEAK HR (HV ONLY)		5				1				1				4										
11:15 AM	to 12:15 PM	0	0	2	3	0	0	0	0	1	0	0	0	1	0	0	0	0	1	1	2	2		
Heavy Vehicle % (PHV)		0.0%	0.0%	0.8%	1.1%	0.9%		0.0%	0.0%	0.0%	2.1%	1.2%		0.0%	1.6%	0.0%	0.0%	0.3%		0.0%	0.6%	3.1%	2.6%	1.5%
BICYCLES	Direction: Roadway: Movement:	Southbound				Westbound				Northbound				Eastbound										
		Crampton Road (MD 243)				Shopping Center Entrance				Crampton Road (MD 243)				Merchants Lane										
		U	L	T	R	U	L	T	R	U	L	T	R	U	L	T	R							
10:00 AM	to 10:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
10:15 AM	to 10:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0		
10:30 AM	to 10:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
10:45 AM	to 11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11:00 AM	to 11:15 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11:15 AM	to 11:30 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11:30 AM	to 11:45 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11:45 AM	to 12:00 PM	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0		
12:00 PM	to 12:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
12:15 PM	to 12:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
12:30 PM	to 12:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
12:45 PM	to 01:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
01:00 PM	to 01:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
01:15 PM	to 01:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
01:30 PM	to 01:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
01:45 PM	to 02:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
02:00 PM	to 02:15 PM																							
02:15 PM	to 02:30 PM																							
02:30 PM	to 02:45 PM																							
02:45 PM	to 03:00 PM																							
SYSTEM PEAK HR (VEH.)		0				0				0				0										
12:30 PM	to 01:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
INT. PEAK HR (BIKES)		0				0				0				1										
10:00 AM	to 11:00 AM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0		

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

