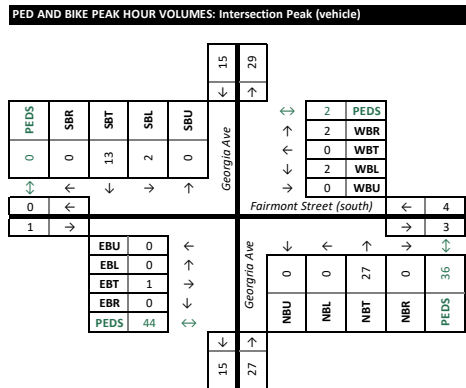
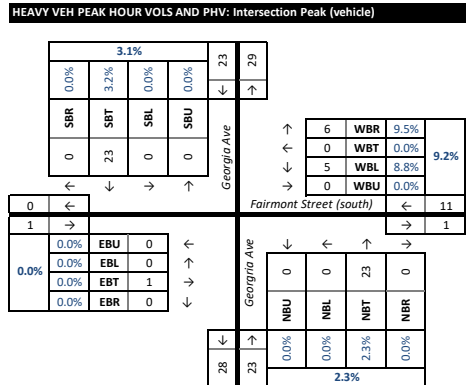
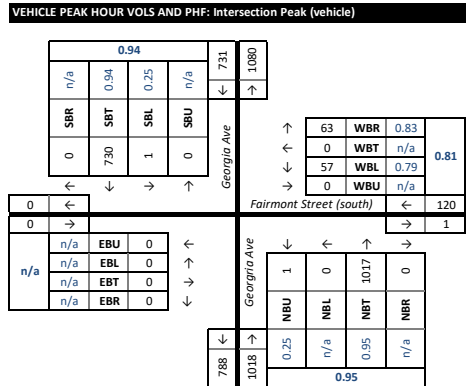


## Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : Howard University Campus Master P  
 Project # : 2357-005  
 Location : Washington DC  
 Data Source : Gorove/Slade Associates, Inc.  
 Analysis Period : STUDY\_PERIOD  
 Date of Counts : Wednesday, October 23, 2019  
 Weather : Partly Cloudy  
 04:00 PM to 07:00 PM

Volumes Displayed as: 1. Intersection Peak (vehicle)  
 Intersection Peak Hour (all vehicles): 05:15 PM to 06:15 PM  
 System Peak Hour (all vehicles): 05:00 PM to 06:00 PM  
 User-Defined Peak Hour: 05:00 PM to 06:00 PM

Intersection:		1. Georgia Ave/Georgia Ave & Fairmont Street (south)/																								
ALL VEHICLES	Direction:	Southbound					Westbound					Northbound					Eastbound									
	Roadway:	Georgia Ave					Fairmont Street (south)					Georgia Ave														
	Movement:	U	L	Thru	Right	Peds	U	L	Thru	Right	Peds	U	L	Thru	Right	Peds	U	L	Thru	Right	Peds					
04:00 PM	to 04:15 PM	0	0	175	0	0	0	23	0	24	8	0	0	224	0	5	0	0	0	0	0					
04:15 PM	to 04:30 PM	0	0	181	0	2	0	21	0	21	8	0	0	228	0	6	0	0	0	0	0					
04:30 PM	to 04:45 PM	0	0	182	0	1	0	12	0	16	4	0	0	219	0	15	0	0	0	0	0					
04:45 PM	to 05:00 PM	2	0	175	0	0	0	15	0	13	2	1	0	202	0	10	0	0	0	0	0					
05:00 PM	to 05:15 PM	0	0	179	0	0	0	25	0	31	8	0	0	231	0	11	0	0	0	0	0					
05:15 PM	to 05:30 PM	0	0	162	0	0	0	18	0	19	10	1	0	268	0	10	0	0	0	0	0					
05:30 PM	to 05:45 PM	0	0	183	0	1	0	13	0	16	10	0	0	242	0	15	0	0	0	0	0					
05:45 PM	to 06:00 PM	0	1	194	0	0	0	16	0	15	6	0	0	248	0	8	0	0	0	0	0					
06:00 PM	to 06:15 PM	0	0	191	0	1	0	10	0	13	10	0	0	259	0	11	0	0	0	0	0					
06:15 PM	to 06:30 PM	1	0	188	0	1	0	7	0	14	10	1	0	185	0	4	0	0	0	0	0					
06:30 PM	to 06:45 PM	0	0	193	0	0	0	13	0	15	18	0	0	211	0	8	0	0	0	0	0					
06:45 PM	to 07:00 PM	0	0	171	0	1	0	6	0	8	3	0	0	209	0	3	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																									
INT. PEAK HR (ALL VEH)		731					120					1018					44					0				
05:15 PM to 06:15 PM		0	1	730	0	2	0	57	0	63	36	1	0	1017	0	44	0	0	0	0	0					
Peak Hour Factor (PHF)		0.99					0.81					0.95					n/a									
Overall		n/a					n/a					n/a					n/a									



DATA COLLECTION NOTES:

**Gorove/Slade Associates - Multimodal Turning Movement Count Report**

Project Name : Howard University Campus Master P  
 Project # : 2357-005  
 Location : Washington DC  
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period : STUDY\_PERIOD  
 Date of Counts : Thursday, October 24, 2019  
 Weather : Partly Cloudy

04:00 PM to 07:00 PM

Volumes Displayed as: 1. Intersection Peak (vehicle)  
 Intersection Peak Hour (all vehicles): 04:30 PM to 05:30 PM  
 System Peak Hour (all vehicles): 05:00 PM to 06:00 PM  
 User-Defined Peak Hour: 05:00 PM to 06:00 PM

Intersection:		1. /6th Street & Fairmont Street																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound				
		Fairmont Street					6th Street					Fairmont Street					6th Street				
		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	10	0	50	0	30	0	1	10	0	0	0	0	15	
04:15 PM	to 04:30 PM	0	0	0	0	0	0	4	0	75	0	33	0	0	15	0	0	0	0	12	
04:30 PM	to 04:45 PM	0	0	0	0	0	0	4	0	44	0	29	0	0	7	0	0	0	0	14	
04:45 PM	to 05:00 PM	0	0	0	0	0	1	5	0	61	0	25	0	0	9	0	0	0	0	16	
05:00 PM	to 05:15 PM	0	0	0	0	0	2	6	0	97	0	43	0	0	15	0	0	0	0	20	
05:15 PM	to 05:30 PM	0	0	0	0	0	2	7	0	48	0	40	0	0	15	0	0	0	0	19	
05:30 PM	to 05:45 PM	0	0	0	0	0	0	4	0	45	0	28	0	0	13	0	0	0	0	14	
05:45 PM	to 06:00 PM	0	0	0	0	0	1	4	0	49	0	17	0	0	5	0	0	0	0	11	
06:00 PM	to 06:15 PM	0	0	0	0	0	0	3	0	39	0	19	0	0	8	0	0	0	0	30	
06:15 PM	to 06:30 PM	0	0	0	0	0	0	2	0	33	0	18	0	0	5	0	0	0	0	14	
06:30 PM	to 06:45 PM	0	0	0	0	0	0	5	0	39	0	22	0	0	13	0	0	0	0	32	
06:45 PM	to 07:00 PM	0	0	0	0	0	0	6	0	24	0	14	0	0	9	0	0	0	0	9	

INT. PEAK HR (ALL VEH)		0					27					137					46					0					69				
04:30 PM	to 05:30 PM	0	0	0	0	0	0	5	22	0	250	0	137	0	0	46	0	0	0	0	0	0	0	0	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)	0.80	n/a	n/a	n/a	n/a	n/a	n/a	0.63	0.79	n/a	0.75	n/a	0.80	n/a	n/a	0.80	n/a	n/a	n/a	n/a	n/a										

HEAVY VEHICLES (FHWA 4+)		Direction: Roadway: Movement:																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound				
		Fairmont Street					6th Street					Fairmont Street					6th Street				
		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	4	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	3	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	3	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	3	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	1	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	2	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	3	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	3	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	2	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	2	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	2	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	

INT. PEAK HR (ALL VEH)		0					0					9					0				
04:30 PM	to 05:30 PM	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	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%	6.6%	0.0%	0.0%	6.6%	0.0%	0.0%	0.0%	0.0%	0.0%

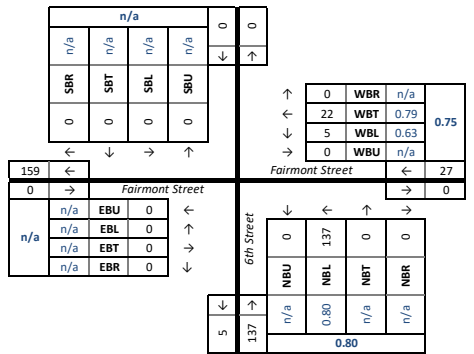
INT. PEAK HR (HV ONLY)		0																			
04:00 PM	to 05:00 PM	0	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	
Heavy Vehicle % (PHV)		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.1%	0.0%	0.0%	11.0%	0.0%	0.0%	0.0%	0.0%	0.0%	

BICYCLES		Direction: Roadway: Movement:																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound				
		Fairmont Street					6th Street					Fairmont Street					6th Street				
		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	1	0	0	0	0	0	0	0	0	
04:15 PM	to 04:30 PM	0	0	0	0	0	1	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	1	0	1	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	
05:00 PM	to 05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
05:15 PM	to 05:30 PM	0	0	0	0	0	1	0	0	0	0	1	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	1	0	
05:45 PM	to 06:00 PM	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	0	
06:00 PM	to 06:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	
06:15 PM	to 06:30 PM	0	0	0	0	0	2	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	1	0	0	0	0	0	0	
06:45 PM	to 07:00 PM	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	

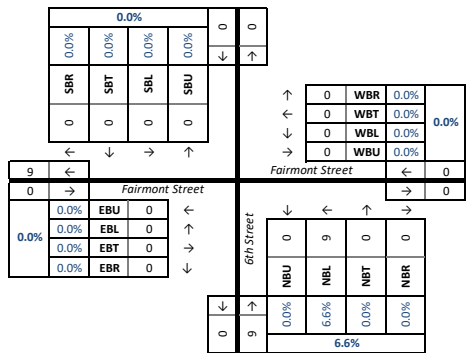
INT. PEAK HR (ALL VEH)		0					1					4					0				
04:30 PM	to 05:30 PM	0	0	0	0	0	0	1	0	0	0	0	2	0	0	2	0	0	0	0	0
INT. PEAK HR (BIKES)		U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds
05:15 PM	to 06:15 PM	0	0	0	0	0	0	2	0	0	0	0	2	0	1	0	0	0	1	3	0

DATA COLLECTION NOTES:

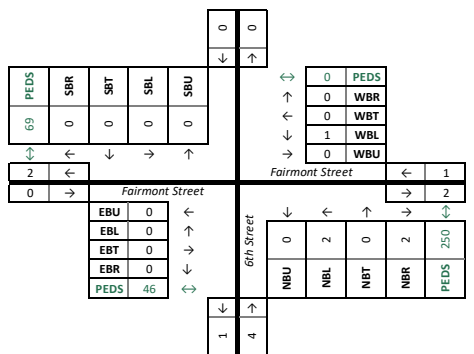
**VEHICLE PEAK HOUR VOLS AND PHF: Intersection Peak (vehicle)**



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



**PED AND BIKE PEAK HOUR VOLUMES: Intersection Peak (vehicle)**



**Gorove/Slade Associates - Multimodal Turning Movement Count Report**

Project Name : Howard University Campus Master P  
 Project # : 2357-005  
 Location : Washington DC  
 Data Source : Gorove/Slade Associates, Inc.

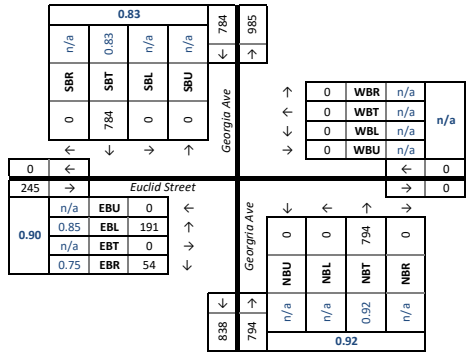
Analysis Period: STUDY\_PERIOD  
 Date of Counts: Thursday, October 24, 2019  
 Weather: Partly Cloudy

04:00 PM to 07:00 PM

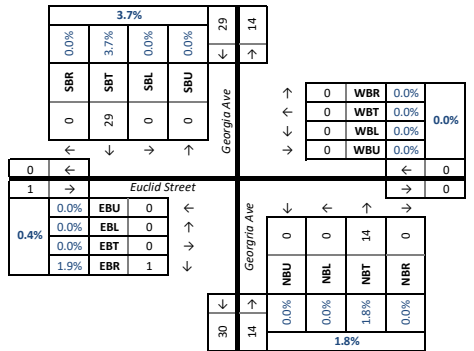
Volumes Displayed as: 1. Intersection Peak (vehicle)  
 Intersection Peak Hour (all vehicles): 05:15 PM to 06:15 PM  
 System Peak Hour (all vehicles): 05:00 PM to 06:00 PM  
 User-Defined Peak Hour: 05:00 PM to 06:00 PM

Intersection:		1. Georgia Ave/Georgia Ave & /Euclid Street																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound				
		Georgia Ave					Georgia Ave					Georgia Ave					Euclid Street				
		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	174	0	1	0	0	0	0	0	0	0	186	0	5	0	37	0	9	5
04:15 PM	to 04:30 PM	0	0	173	0	2	0	0	0	0	0	0	0	180	0	17	0	31	0	25	11
04:30 PM	to 04:45 PM	0	0	192	0	2	0	0	0	0	0	0	0	191	0	5	0	41	0	11	21
04:45 PM	to 05:00 PM	0	0	136	0	0	0	0	0	0	0	1	0	142	0	15	0	32	0	13	17
05:00 PM	to 05:15 PM	0	0	208	0	0	0	0	0	0	0	0	0	180	0	18	0	34	0	14	35
05:15 PM	to 05:30 PM	0	0	179	0	0	0	0	0	0	0	0	0	203	0	13	0	56	0	12	16
05:30 PM	to 05:45 PM	0	0	183	0	0	0	0	0	0	0	0	0	187	0	4	0	39	0	18	23
05:45 PM	to 06:00 PM	0	0	185	0	0	0	0	0	0	0	0	0	216	0	9	0	54	0	6	19
06:00 PM	to 06:15 PM	0	0	237	0	0	0	0	0	0	0	0	0	188	0	8	0	42	0	18	23
06:15 PM	to 06:30 PM	0	0	155	0	1	0	0	0	0	0	0	0	134	0	11	0	25	0	19	15
06:30 PM	to 06:45 PM	0	0	182	0	0	0	0	0	0	0	0	0	167	0	15	0	25	0	18	14
06:45 PM	to 07:00 PM	0	0	150	0	0	0	0	0	0	0	0	0	153	0	15	0	23	0	12	15
<b>INT. PEAK HR (ALL VEH)</b>		784					0					794					245				
05:15 PM	to 06:15 PM	0	0	784	0	0	0	0	0	0	0	0	0	794	0	0	0	191	0	54	81
<b>Peak Hour Factor (PHF)</b>		0.94					n/a					0.92					n/a				
HEAVY VEHICLES (FHWA 4+)	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound				
		Georgia Ave					Georgia Ave					Georgia Ave					Euclid Street				
		U	Left	Thru	Right	SB	U	Left	Thru	Right	WB	U	Left	Thru	Right	NB	U	Left	Thru	Right	EB
04:00 PM	to 04:15 PM	0	0	9	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0
04:15 PM	to 04:30 PM	0	0	9	0	0	0	0	0	0	0	0	6	0	0	0	0	2	0	3	0
04:30 PM	to 04:45 PM	0	0	10	0	0	0	0	0	0	0	0	10	0	0	0	0	1	0	0	0
04:45 PM	to 05:00 PM	0	0	4	0	0	0	0	0	0	0	0	5	0	0	0	0	2	0	0	0
05:00 PM	to 05:15 PM	0	0	5	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0
05:15 PM	to 05:30 PM	0	0	2	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0
05:30 PM	to 05:45 PM	0	0	14	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
05:45 PM	to 06:00 PM	0	0	8	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0
06:00 PM	to 06:15 PM	0	0	5	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	1	0
06:15 PM	to 06:30 PM	0	0	3	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
06:30 PM	to 06:45 PM	0	0	7	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0
06:45 PM	to 07:00 PM	0	0	5	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0
<b>INT. PEAK HR (ALL VEH)</b>		29					0					14					1				
05:15 PM	to 06:15 PM	0	0	29	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	1	0
<b>Heavy Vehicle % (PHV)</b>		0.0%					0.0%					1.8%					0.4%				
<b>INT. PEAK HR (HV ONLY)</b>		32					0					30					8				
04:00 PM	to 05:00 PM	0	0	32	0	0	0	0	0	0	0	0	30	0	0	0	0	5	0	3	0
<b>Heavy Vehicle % (PHV)</b>		4.7%					0.0%					4.3%					4.0%				
BICYCLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound				
		Georgia Ave					Georgia Ave					Georgia Ave					Euclid Street				
		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	2	0	0	0	0	0	0	0	0
04:15 PM	to 04:30 PM	0	0	3	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
04:30 PM	to 04:45 PM	0	0	5	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
04:45 PM	to 05:00 PM	0	0	5	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
05:00 PM	to 05:15 PM	0	0	2	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0
05:15 PM	to 05:30 PM	0	0	1	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0
05:30 PM	to 05:45 PM	0	0	5	0	0	0	0	0	0	0	0	5	0	0	0	0	1	0	0	0
05:45 PM	to 06:00 PM	0	0	3	0	0	0	0	0	0	0	0	6	0	0	0	0	1	0	0	0
06:00 PM	to 06:15 PM	0	0	3	2	0	0	0	0	0	0	0	8	0	0	0	0	1	0	0	0
06:15 PM	to 06:30 PM	0	0	2	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0
06:30 PM	to 06:45 PM	0	0	3	1	0	0	0	0	0	0	0	7	0	0	0	0	0	0	1	0
06:45 PM	to 07:00 PM	0	0	4	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
07:00 PM	to 07:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15 PM	to 07:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 PM	to 07:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 PM	to 08:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00 PM	to 08:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15 PM	to 08:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30 PM	to 08:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:45 PM	to 09:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>INT. PEAK HR (ALL VEH)</b>		14					0					27					3				
05:15 PM	to 06:15 PM	0	0	12	2	0	0	0	0	0	0	0	0	27	0	0	0	3	0	0	0
<b>INT. PEAK HR (BIKES)</b>		14					0					27					3				
05:15 PM	to 06:15 PM	0	0	12	2	0	0	0	0	0	0	0	0	27	0	0	0	3	0	0	0

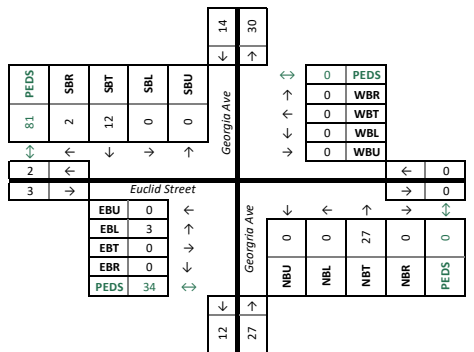
**VEHICLE PEAK HOUR VOLS AND PHF: Intersection Peak (vehicle)**



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



**PED AND BIKE PEAK HOUR VOLUMES: Intersection Peak (vehicle)**



**DATA COLLECTION NOTES:**

**Gorove/Slade Associates - Multimodal Turning Movement Count Report**

Project Name : Howard University Campus Master P  
 Project # : 2357-005  
 Location : Washington DC  
 Data Source : Gorove/Slade Associates, Inc.

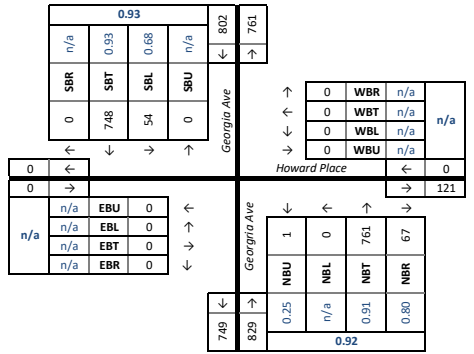
Analysis Period : STUDY\_PERIOD  
 Date of Counts : Thursday, October 24, 2019  
 Weather : Partly Cloudy

04:00 PM to 07:00 PM

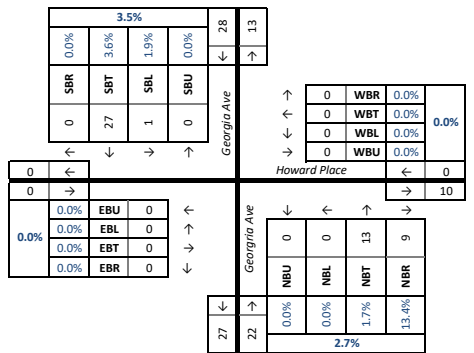
Volumes Displayed as: 1. Intersection Peak (vehicle)  
 Intersection Peak Hour (all vehicles): 05:15 PM to 06:15 PM  
 System Peak Hour (all vehicles): 05:00 PM to 06:00 PM  
 User-Defined Peak Hour: 05:00 PM to 06:00 PM

Intersection:		1. Georgia Ave/Georgia Ave & Howard Place/																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound				
		Georgia Ave					Howard Place					Georgia Ave					Georgia Ave				
		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	1	21	180	0	34	0	0	0	0	19	0	0	190	20	7	0	0	0	0	0
04:15 PM	to 04:30 PM	0	9	176	0	21	0	0	0	0	7	0	0	171	20	14	0	0	0	0	0
04:30 PM	to 04:45 PM	0	16	161	0	8	0	0	0	0	4	0	0	173	28	9	0	0	0	0	0
04:45 PM	to 05:00 PM	0	15	167	0	5	0	0	0	0	8	0	0	178	15	5	0	0	0	0	0
05:00 PM	to 05:15 PM	0	16	186	0	24	0	0	0	0	8	0	0	165	18	14	0	0	0	0	0
05:15 PM	to 05:30 PM	0	12	194	0	26	0	0	0	0	7	0	0	198	21	9	0	0	0	0	0
05:30 PM	to 05:45 PM	0	20	188	0	17	0	0	0	0	7	1	0	187	15	9	0	0	0	0	0
05:45 PM	to 06:00 PM	0	8	165	0	16	0	0	0	0	2	0	0	210	16	13	0	0	0	0	0
06:00 PM	to 06:15 PM	0	14	201	0	12	0	0	0	0	5	0	0	166	15	5	0	0	0	0	0
06:15 PM	to 06:30 PM	0	14	210	0	16	0	0	0	0	22	0	0	163	26	7	0	0	0	0	0
06:30 PM	to 06:45 PM	0	11	180	0	10	0	0	0	0	5	1	0	152	13	1	0	0	0	0	0
06:45 PM	to 07:00 PM	0	12	154	0	6	0	0	0	0	6	0	0	161	15	4	0	0	0	0	0
<b>INT. PEAK HR (ALL VEH)</b>		802					0					829					0				
05:15 PM	to 06:15 PM	0	54	748	0	71	0	0	0	0	21	1	0	761	67	36	0	0	0	0	0
<b>Peak Hour Factor (PHF)</b>		0.96					n/a					0.92					n/a				
HEAVY VEHICLES (FHWA 4+)	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound				
		Georgia Ave					Howard Place					Georgia Ave					Georgia Ave				
		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right		U	Left	Thru	Right	
04:00 PM	to 04:15 PM	0	1	8	0	0	0	0	0	0	0	0	0	9	3	0	0	0	0	0	0
04:15 PM	to 04:30 PM	0	0	11	0	0	0	0	0	0	0	0	0	8	2	0	0	0	0	0	0
04:30 PM	to 04:45 PM	0	0	8	0	0	0	0	0	0	0	0	0	6	3	0	0	0	0	0	0
04:45 PM	to 05:00 PM	0	0	6	0	0	0	0	0	0	0	0	0	6	2	0	0	0	0	0	0
05:00 PM	to 05:15 PM	0	0	7	0	0	0	0	0	0	0	0	0	6	2	0	0	0	0	0	0
05:15 PM	to 05:30 PM	0	0	3	0	0	0	0	0	0	0	0	0	6	3	0	0	0	0	0	0
05:30 PM	to 05:45 PM	0	1	12	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0
05:45 PM	to 06:00 PM	0	0	8	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0
06:00 PM	to 06:15 PM	0	0	4	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
06:15 PM	to 06:30 PM	0	0	5	0	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0
06:30 PM	to 06:45 PM	0	0	6	0	0	0	0	0	0	0	0	0	9	2	0	0	0	0	0	0
06:45 PM	to 07:00 PM	0	0	5	0	0	0	0	0	0	0	0	0	7	2	0	0	0	0	0	0
<b>INT. PEAK HR (ALL VEH)</b>		28					0					22					0				
05:15 PM	to 06:15 PM	0	1	27	0	0	0	0	0	0	0	0	0	13	9	0	0	0	0	0	0
<b>Heavy Vehicle % (PHV)</b>		0.0%					0.0%					2.7%					0.0%				
<b>INT. PEAK HR (HV ONLY)</b>		34					0					39					0				
04:00 PM	to 05:00 PM	0	1	33	0	0	0	0	0	0	0	0	0	29	10	0	0	0	0	0	0
<b>Heavy Vehicle % (PHV)</b>		4.6%					0.0%					4.9%					0.0%				
BICYCLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound				
		Georgia Ave					Howard Place					Georgia Ave					Georgia Ave				
		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	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
04:15 PM	to 04:30 PM	0	0	3	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
04:30 PM	to 04:45 PM	0	0	3	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
04:45 PM	to 05:00 PM	0	0	5	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
05:00 PM	to 05:15 PM	0	0	2	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
05:15 PM	to 05:30 PM	0	0	2	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
05:30 PM	to 05:45 PM	0	0	4	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
05:45 PM	to 06:00 PM	0	0	2	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0
06:00 PM	to 06:15 PM	0	0	2	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0
06:15 PM	to 06:30 PM	0	0	1	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0
06:30 PM	to 06:45 PM	0	0	5	0	0	0	0	0	0	0	0	0	4	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	1	0	0	0	0	0	0	0
07:00 PM	to 07:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15 PM	to 07:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 PM	to 07:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 PM	to 08:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00 PM	to 08:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15 PM	to 08:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30 PM	to 08:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:45 PM	to 09:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>INT. PEAK HR (ALL VEH)</b>		10					0					21					0				
05:15 PM	to 06:15 PM	0	0	10	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0
<b>INT. PEAK HR (BIKES)</b>		10					0					21					0				
05:15 PM	to 06:15 PM	0	0	10	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0

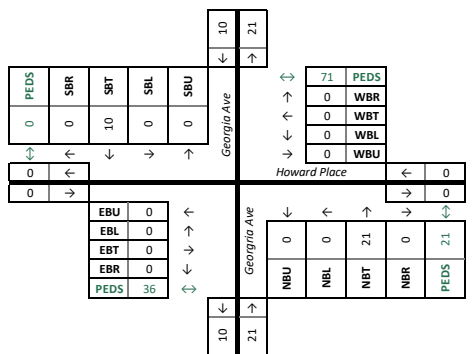
**VEHICLE PEAK HOUR VOLS AND PHF: Intersection Peak (vehicle)**



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



**PED AND BIKE PEAK HOUR VOLUMES: Intersection Peak (vehicle)**



**DATA COLLECTION NOTES:**





**Gorove/Slade Associates - Multimodal Turning Movement Count Report**

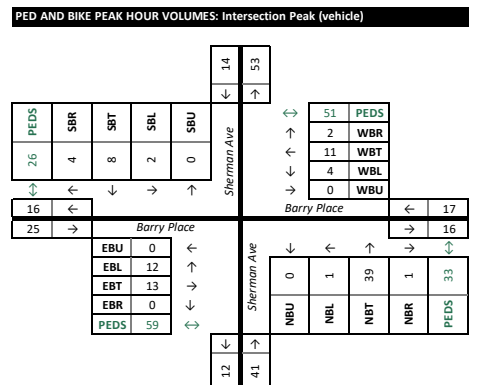
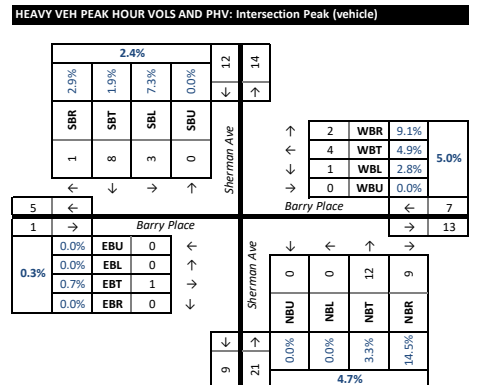
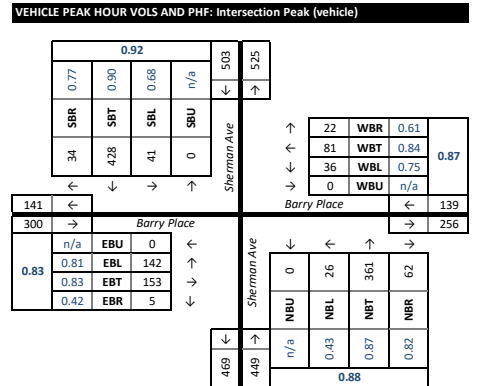
Project Name : Howard University Campus Master P  
 Project # : 2357-005  
 Location : Washington DC  
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period : STUDY\_PERIOD  
 Date of Counts : Thursday, October 24, 2019  
 Weather : Partly Cloudy  
 04:00 PM to 07:00 PM

Volumes Displayed as: 1. Intersection Peak (vehicle)

Intersection Peak Hour (all vehicles): 04:45 PM to 05:45 PM  
 System Peak Hour (all vehicles): 05:00 PM to 06:00 PM  
 User-Defined Peak Hour: 05:00 PM to 06:00 PM

Intersection:		1. Sherman Ave & Barry Place																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound				
		Sherman Ave					Barry Place					Sherman Ave					Barry Place				
		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	12	103	10	13	0	11	26	11	11	0	11	73	25	21	0	15	28	1	3
04:15 PM to 04:30 PM		0	5	91	9	6	0	11	22	5	7	0	1	84	19	28	0	16	33	2	2
04:30 PM to 04:45 PM		0	8	108	13	7	0	9	25	5	9	0	1	91	17	16	0	25	36	0	4
04:45 PM to 05:00 PM		0	15	86	11	11	0	9	20	4	15	0	7	104	17	10	0	44	46	0	4
05:00 PM to 05:15 PM		0	13	105	8	10	0	12	19	9	4	0	15	94	19	21	0	37	30	1	7
05:15 PM to 05:30 PM		0	7	118	4	14	0	9	24	5	4	0	4	73	15	14	0	27	33	1	5
05:30 PM to 05:45 PM		0	6	119	11	16	0	6	18	4	10	0	6	90	11	14	0	34	44	3	10
05:45 PM to 06:00 PM		0	5	99	12	22	0	8	24	4	9	0	3	79	13	15	0	20	28	0	10
06:00 PM to 06:15 PM		0	5	95	8	19	0	7	22	27	8	0	4	92	7	15	0	24	28	2	13
06:15 PM to 06:30 PM		0	9	102	9	14	0	10	21	13	11	0	1	115	11	25	0	20	22	0	15
06:30 PM to 06:45 PM		0	5	82	5	9	0	4	33	29	9	0	0	80	15	18	0	28	29	0	12
06:45 PM to 07:00 PM		1	13	79	13	15	0	7	28	19	6	0	0	78	10	11	0	17	27	1	4
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																					
INT. PEAK HR (ALL VEH)		503					139					449					300				
04:45 PM to 05:45 PM		0	41	428	34	51	0	36	81	22	33	0	26	361	62	59	0	142	153	5	26
Peak Hour Factor (PHF)		0.96					0.87					0.88					0.83				
		U	Left	Thru	Right	SB	U	Left	Thru	Right	WB	U	Left	Thru	Right	NB	U	Left	Thru	Right	EB
		n/a	0.68	0.90	0.77	0.92	n/a	0.75	0.84	0.61	0.87	n/a	0.43	0.87	0.82	0.88	n/a	0.81	0.83	0.42	0.83



DATA COLLECTION NOTES:





# Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : Howard University Campus Master P  
 Project # : 2357-005  
 Location : Washington DC  
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period : STUDY\_PERIOD  
 Date of Counts : Thursday, October 24, 2019  
 Weather : Partly Cloudy

04:00 PM to 07:00 PM

Volumes Displayed as: 1. Intersection Peak (vehicle)  
 Intersection Peak Hour (all vehicles): 04:15 PM to 05:15 PM  
 System Peak Hour (all vehicles): 05:00 PM to 06:00 PM  
 User-Defined Peak Hour: 05:00 PM to 06:00 PM

Intersection:		1. 6th Street & College Street/																			
ALL VEHICLES	Direction: Roadway: Movement:	Southbound 6th Street					Westbound College Street					Northbound 6th Street					Eastbound				
		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	6	8	0	14	0	9	0	0	41	0	0	0	0	2	0	0	0
INT. PEAK HR (ALL VEH)		98					38					0					3				
Peak Hour Factor (PHF)		0.92					n/a					n/a					n/a				

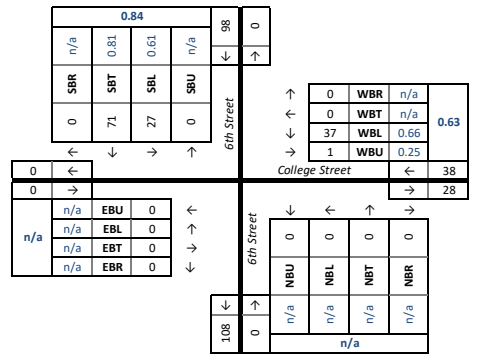
  

HEAVY VEHICLES (FHWA 4+)	Direction: Roadway: Movement:	Southbound 6th Street				Westbound College Street				Northbound 6th Street				Eastbound						
		U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right			
		04:15 PM	to 05:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INT. PEAK HR (ALL VEH)		3				0				0				0						
Heavy Vehicle % (PHV)		0.0%				0.0%				0.0%				0.0%						

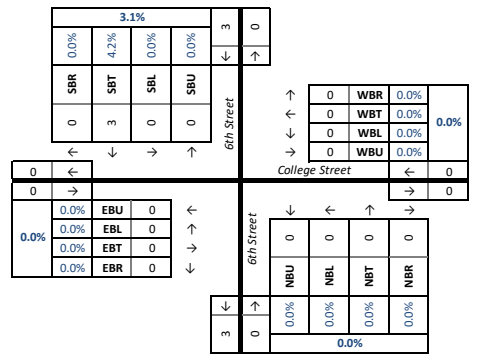
  

BICYCLES	Direction: Roadway: Movement:	Southbound 6th Street				Westbound College Street				Northbound 6th Street				Eastbound						
		U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right	U	Left	Thru	Right			
		04:15 PM	to 05:15 PM	0	1	3	0	0	2	0	1	0	0	2	0	0	0	0	0	0
INT. PEAK HR (ALL VEH)		4				3				2				0						
INT. PEAK HR (BIKES)		4				3				2				0						

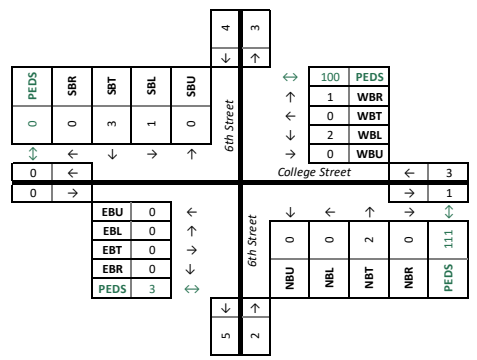
## VEHICLE PEAK HOUR VOLS AND PHF: Intersection Peak (vehicle)



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



## PED AND BIKE PEAK HOUR VOLUMES: Intersection Peak (vehicle)



DATA COLLECTION NOTES:

**Gorove/Slade Associates - Multimodal Turning Movement Count Report**

Project Name : Howard University Campus Master P  
 Project # : 2357-005  
 Location : Washington DC  
 Data Source : Gorove/Slade Associates, Inc.

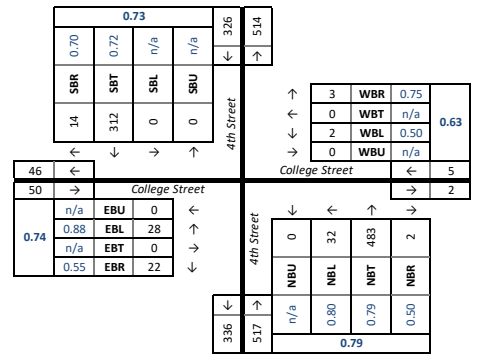
Analysis Period : STUDY\_PERIOD 04:00 PM to 07:00 PM  
 Date of Counts : Thursday, October 24, 2019  
 Weather : Partly Cloudy

Volumes Displayed as: 1. Intersection Peak (vehicle)

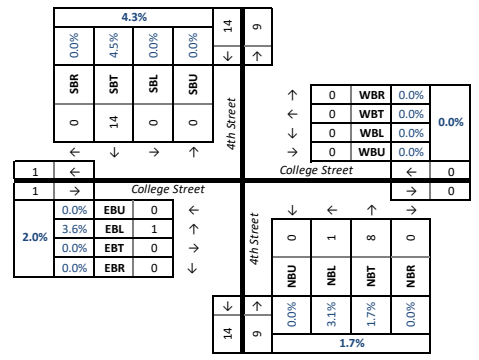
Intersection Peak Hour (all vehicles):	04:00 PM	to	05:00 PM
System Peak Hour (all vehicles):	05:00 PM	to	06:00 PM
User-Defined Peak Hour:	05:00 PM	to	06:00 PM

Intersection:		1. 4th Street & College Street																			
ALL VEHICLES	Direction:	Southbound				Westbound				Northbound				Eastbound							
	Roadway:	4th Street				College Street				4th Street				College Street							
	Movement:	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	109	3	13	0	1	0	1	33	0	10	152	1	45	0	6	0	5	48
04:15 PM	to 04:30 PM	0	0	58	2	18	0	1	0	1	48	0	6	113	1	60	0	8	0	5	21
04:30 PM	to 04:45 PM	0	0	63	4	15	0	0	0	0	36	0	6	95	0	45	0	7	0	2	37
04:45 PM	to 05:00 PM	0	0	82	5	17	0	0	0	1	78	0	10	123	0	97	0	7	0	10	52
05:00 PM	to 05:15 PM	0	0	50	5	13	0	0	0	0	58	0	5	88	0	75	0	5	0	3	23
05:15 PM	to 05:30 PM	0	0	58	7	17	0	0	0	0	51	0	14	104	0	23	0	12	0	2	24
05:30 PM	to 05:45 PM	0	0	60	6	17	0	0	0	0	58	0	8	112	0	59	0	6	0	7	43
05:45 PM	to 06:00 PM	0	0	52	6	15	0	0	0	0	48	0	5	131	0	40	0	7	0	3	19
06:00 PM	to 06:15 PM	1	0	65	3	30	0	0	0	0	73	0	3	98	0	45	0	5	0	6	34
06:15 PM	to 06:30 PM	0	0	71	1	18	0	0	0	0	88	0	4	98	0	48	0	2	0	8	27
06:30 PM	to 06:45 PM	0	0	51	3	15	0	0	0	0	67	0	5	119	0	36	0	4	0	4	11
06:45 PM	to 07:00 PM	0	0	48	2	12	0	0	0	0	73	1	3	104	0	41	0	2	0	2	12
INT. PEAK HR (ALL VEH)		326				5				517				247				50			
04:00 PM	to 05:00 PM	0	0	312	14	63	0	2	0	3	195	0	32	483	2	247	0	28	0	22	158
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)	0.78	n/a	n/a	0.72	0.70	0.73	n/a	0.50	n/a	0.75	0.63	n/a	0.80	0.79	0.50	0.79	n/a	0.88	n/a	0.55	0.74
HEAVY VEHICLES (FHWA 4+)	Direction:	Southbound				Westbound				Northbound				Eastbound							
	Roadway:	4th Street				College Street				4th Street				College Street							
	Movement:	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	6	0	0	0	0	0	0	1	4	0	0	0	0	0				
04:15 PM	to 04:30 PM	0	0	3	0	0	0	0	0	0	0	2	0	0	1	0	0				
04:30 PM	to 04:45 PM	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0				
04:45 PM	to 05:00 PM	0	0	3	0	0	0	0	0	0	0	1	0	0	0	0	0				
05:00 PM	to 05:15 PM	0	0	3	0	0	0	0	0	0	0	1	0	0	0	0	0				
05:15 PM	to 05:30 PM	0	0	2	0	0	0	0	0	0	0	5	0	0	0	0	0				
05:30 PM	to 05:45 PM	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0				
05:45 PM	to 06:00 PM	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0				
06:00 PM	to 06:15 PM	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0				
06:15 PM	to 06:30 PM	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	0				
06:30 PM	to 06:45 PM	0	0	2	0	0	0	0	0	0	0	1	0	0	1	0	0				
06:45 PM	to 07:00 PM	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0				
INT. PEAK HR (ALL VEH)		14				0				9				1							
04:00 PM	to 05:00 PM	0	0	14	0	0	0	0	0	0	1	8	0	0	1	0	0				
Heavy Vehicle % (PHV):		0.0%	0.0%	4.5%	0.0%	4.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%	1.7%	0.0%	1.7%	0.0%	3.6%	0.0%	0.0%	2.0%
INT. PEAK HR (HV ONLY)		14				0				9				1							
04:00 PM	to 05:00 PM	0	0	14	0	0	0	0	0	0	1	8	0	0	1	0	0				
Heavy Vehicle % (PHV):		0.0%	0.0%	4.5%	0.0%	4.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%	1.7%	0.0%	1.7%	0.0%	3.6%	0.0%	0.0%	2.0%
BICYCLES	Direction:	Southbound				Westbound				Northbound				Eastbound							
	Roadway:	4th Street				College Street				4th Street				College Street							
	Movement:	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	1	0	0	0	0	0	0	0	1	0	0	0	0	0				
04:15 PM	to 04:30 PM	0	0	5	0	0	0	0	0	0	0	2	0	0	0	0	0				
04:30 PM	to 04:45 PM	0	0	0	1	0	0	0	0	0	0	3	0	0	1	0	0				
04:45 PM	to 05:00 PM	0	0	1	0	0	0	0	0	0	0	4	0	0	0	0	0				
05:00 PM	to 05:15 PM	0	0	1	0	0	0	0	0	0	0	4	0	0	0	0	0				
05:15 PM	to 05:30 PM	0	0	3	0	0	0	0	0	0	0	8	0	0	0	0	0				
05:30 PM	to 05:45 PM	0	0	4	0	0	0	0	0	0	0	4	0	0	0	0	0				
05:45 PM	to 06:00 PM	0	0	5	1	0	0	0	0	0	1	14	0	0	0	0	0				
06:00 PM	to 06:15 PM	0	0	1	1	0	0	1	0	0	0	5	0	0	0	0	1				
06:15 PM	to 06:30 PM	0	0	1	0	0	0	0	0	0	0	4	0	0	0	0	0				
06:30 PM	to 06:45 PM	0	0	1	0	0	0	0	0	0	0	6	0	0	0	0	0				
06:45 PM	to 07:00 PM	0	0	3	0	0	0	0	0	0	0	7	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																				
INT. PEAK HR (ALL VEH)		8				0				10				1							
04:00 PM	to 05:00 PM	0	0	7	1	0	0	0	0	0	0	10	0	0	1	0	0				
INT. PEAK HR (BIKES)		15				1				32				1							
05:15 PM	to 06:15 PM	0	0	13	2	0	0	1	0	0	1	31	0	0	0	0	1				

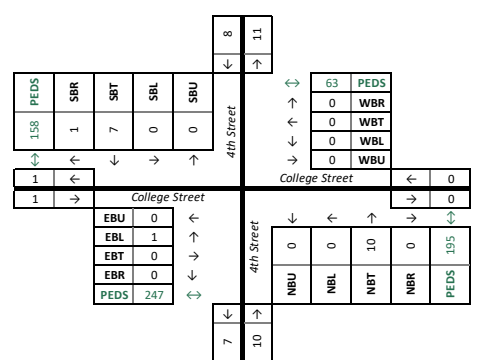
**VEHICLE PEAK HOUR VOLS AND PHF: Intersection Peak (vehicle)**



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



**PED AND BIKE PEAK HOUR VOLUMES: Intersection Peak (vehicle)**



DATA COLLECTION NOTES:

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**Gorove/Slade Associates - Multimodal Turning Movement Count Report**

Project Name : Howard University Campus Master P  
 Project # : 2357-005  
 Location : Washington DC  
 Data Source : Gorove/Slade Associates, Inc.

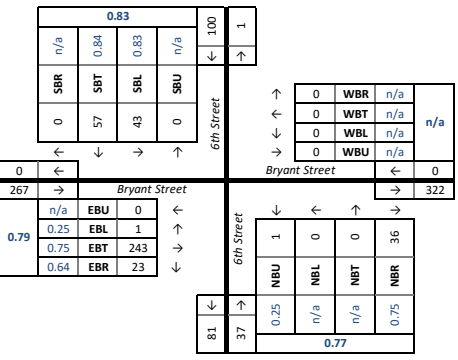
Analysis Period : STUDY\_PERIOD  
 Date of Counts : Thursday, October 24, 2019  
 Weather : Partly Cloudy

04:00 PM to 07:00 PM

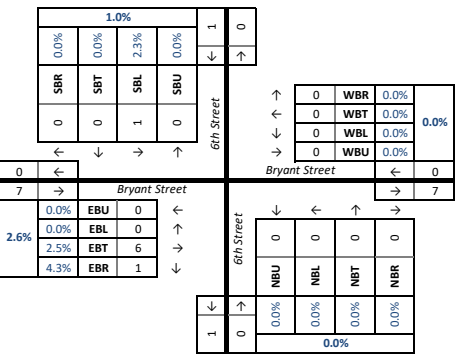
Volumes Displayed as: 1. Intersection Peak (vehicle)  
 Intersection Peak Hour (all vehicles): 04:45 PM to 05:45 PM  
 System Peak Hour (all vehicles): 05:00 PM to 06:00 PM  
 User-Defined Peak Hour: 05:00 PM to 06:00 PM

Intersection: 1. 6th Street & Bryant Street		Southbound					Westbound					Northbound					Eastbound				
ALL VEHICLES	Direction:	6th Street					Bryant Street					6th Street					Bryant Street				
	Roadway:	6th Street					Bryant Street					6th Street					Bryant Street				
	Movement:	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	9	11	0	74	0	0	0	0	13	0	0	0	7	21	0	0	51	8	22
04:15 PM	to 04:30 PM	0	6	19	0	47	0	0	0	0	19	0	0	0	3	22	0	0	59	9	23
04:30 PM	to 04:45 PM	0	11	15	0	34	0	0	0	0	8	0	0	0	4	20	0	0	55	5	10
04:45 PM	to 05:00 PM	0	13	16	0	48	0	0	0	0	18	0	0	0	9	36	0	0	81	4	18
05:00 PM	to 05:15 PM	0	13	17	0	44	0	0	0	0	26	0	0	0	12	17	0	0	48	4	13
05:15 PM	to 05:30 PM	0	9	11	0	36	0	0	0	0	18	0	0	0	6	26	0	1	53	9	12
05:30 PM	to 05:45 PM	0	8	13	0	35	0	0	0	0	5	1	0	0	9	16	0	0	61	6	14
05:45 PM	to 06:00 PM	0	11	18	0	37	0	0	0	0	15	0	0	0	6	33	0	0	63	4	10
06:00 PM	to 06:15 PM	1	7	4	0	40	0	0	0	0	14	1	0	0	7	25	0	0	44	2	13
06:15 PM	to 06:30 PM	1	1	7	0	40	0	0	0	0	12	0	0	0	2	14	0	0	47	1	8
06:30 PM	to 06:45 PM	0	8	7	0	46	0	0	0	0	16	0	0	0	4	25	0	0	43	2	10
06:45 PM	to 07:00 PM	0	3	8	0	37	0	0	0	0	4	0	0	0	5	21	0	0	36	7	8
07:00 PM	to 07:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:15 PM	to 07:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:30 PM	to 07:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
07:45 PM	to 08:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:00 PM	to 08:15 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:15 PM	to 08:30 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:30 PM	to 08:45 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
08:45 PM	to 09:00 PM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>INT. PEAK HR (ALL VEH)</b>		100					0					37					267				
04:45 PM	to 05:45 PM	0	43	57	0	163	0	0	0	0	67	1	0	0	36	95	0	1	243	23	57
<b>Peak Hour</b>	<b>Overall</b>	U	Left	Thru	Right	<b>SB</b>	U	Left	Thru	Right	<b>WB</b>	U	Left	Thru	Right	<b>NB</b>	U	Left	Thru	Right	<b>EB</b>
<b>Factor (PHF)</b>	<b>0.82</b>	n/a	0.83	0.84	n/a	<b>0.83</b>	n/a	n/a	n/a	n/a	n/a	0.25	n/a	n/a	0.75	<b>0.77</b>	n/a	0.25	0.75	0.64	<b>0.79</b>

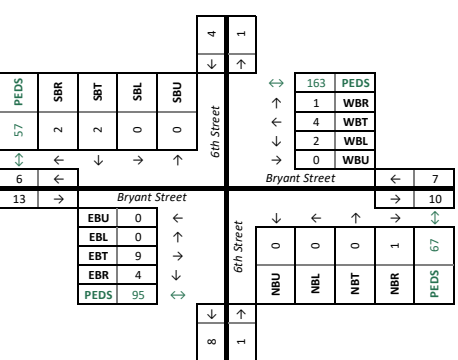
**VEHICLE PEAK HOUR VOLTS AND PHF: Intersection Peak (vehicle)**



**HEAVY VEH PEAK HOUR VOLTS AND PHF: Intersection Peak (vehicle)**



**PED AND BIKE PEAK HOUR VOLUMES: Intersection Peak (vehicle)**



**DATA COLLECTION NOTES :**

**Gorove/Slade Associates - Multimodal Turning Movement Count Report**

Project Name : Howard University Campus Master P  
 Project # : 2357-005  
 Location : Washington DC  
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period : STUDY\_PERIOD  
 Date of Counts : Thursday, October 24, 2019  
 Weather : Partly Cloudy  
 04:00 PM to 07:00 PM

Volumes Displayed as: 1. Intersection Peak (vehicle)  
 Intersection Peak Hour (all vehicles): 04:00 PM to 05:00 PM  
 System Peak Hour (all vehicles): 05:00 PM to 06:00 PM  
 User-Defined Peak Hour: 05:00 PM to 06:00 PM

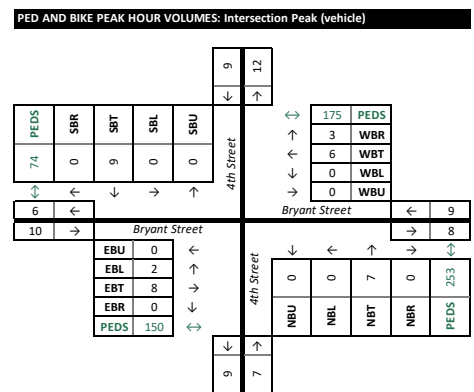
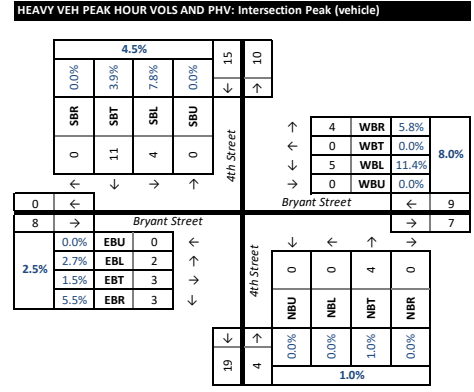
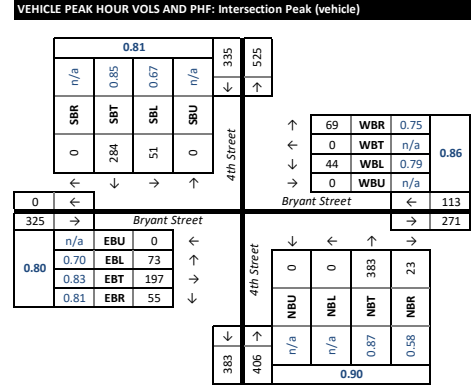
Intersection:		1. 4th Street & Bryant Street																				
ALL VEHICLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound					
		4th Street					Bryant Street					4th Street					Bryant Street					
		U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	
04:00 PM	to 04:15 PM	0	19	84	0	47	0	10	0	23	48	0	0	110	3	38	0	25	42	11	23	
04:15 PM	to 04:30 PM	0	11	70	0	30	0	11	0	17	45	0	0	99	6	38	0	11	47	12	22	
04:30 PM	to 04:45 PM	0	6	71	0	49	0	14	0	15	56	0	0	93	4	25	0	11	49	15	15	
04:45 PM	to 05:00 PM	0	15	59	0	49	0	9	0	14	104	0	0	81	10	49	0	26	59	17	14	
05:00 PM	to 05:15 PM	0	13	61	0	42	0	21	0	12	68	0	0	97	7	37	0	17	44	18	34	
05:15 PM	to 05:30 PM	0	1	69	0	43	0	13	0	13	65	0	0	99	6	54	0	17	41	18	33	
05:30 PM	to 05:45 PM	0	10	62	0	35	0	7	0	15	99	0	0	97	5	42	0	20	44	22	25	
05:45 PM	to 06:00 PM	0	5	50	0	28	0	11	0	22	75	0	0	87	7	33	0	19	43	21	22	
06:00 PM	to 06:15 PM	0	7	55	0	68	0	15	0	10	87	0	0	70	3	34	0	17	42	13	37	
06:15 PM	to 06:30 PM	0	6	75	0	44	0	15	0	14	91	0	0	87	6	37	0	12	23	18	15	
06:30 PM	to 06:45 PM	0	6	57	0	52	0	12	0	12	64	0	0	107	8	27	0	12	26	16	20	
06:45 PM	to 07:00 PM	0	4	53	0	42	0	5	0	10	86	0	0	98	5	37	0	9	24	18	20	
<b>INT. PEAK HR (ALL VEH)</b>		335					113					406					150					
04:00 PM	to 05:00 PM	0	51	284	0	175	0	44	0	69	253	0	0	383	23	150	0	73	197	55	74	
<b>Peak Hour Overall</b>		U	Left	Thru	Right	SB	U	Left	Thru	Right	WB	U	Left	Thru	Right	NB	U	Left	Thru	Right	EB	
<b>Factor (PHF)</b>		n/a	0.67	0.85	n/a	0.81	n/a	0.79	n/a	0.75	0.86	n/a	n/a	n/a	0.87	0.58	0.90	n/a	0.70	0.83	0.81	0.80

HEAVY VEHICLES (FHWA 4+)	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound				
		4th Street					Bryant Street					4th Street					Bryant Street				
		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	2	4	0	0	1	0	3	0	0	0	2	0	0	1	2	0	0	1	0
04:15 PM	to 04:30 PM	0	0	4	0	0	1	0	0	0	0	0	2	0	0	0	0	1	0	1	0
04:30 PM	to 04:45 PM	0	1	2	0	0	2	0	0	0	0	0	0	0	0	1	0	1	0	1	0
04:45 PM	to 05:00 PM	0	1	1	0	0	1	0	1	0	0	0	0	0	0	0	1	1	0	1	0
05:00 PM	to 05:15 PM	0	1	3	0	0	1	0	0	0	0	0	1	0	0	0	0	0	2	0	0
05:15 PM	to 05:30 PM	0	0	3	0	0	1	0	1	0	0	0	3	0	0	2	2	0	0	0	0
05:30 PM	to 05:45 PM	0	1	2	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0
05:45 PM	to 06:00 PM	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	2	1	0	0	0
06:00 PM	to 06:15 PM	0	0	1	0	0	0	0	1	0	0	0	1	0	0	1	1	1	1	0	0
06:15 PM	to 06:30 PM	0	0	2	0	0	3	0	0	0	0	0	1	0	0	0	0	0	1	0	0
06:30 PM	to 06:45 PM	0	0	2	0	0	1	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	1	0	0	0	1	0	0	0	0	0	2	0	0
<b>INT. PEAK HR (ALL VEH)</b>		15					9					4					8				
04:00 PM	to 05:00 PM	0	4	11	0	0	0	5	0	4	0	0	0	4	0	0	0	2	3	3	0
<b>Heavy Vehicle % (PHV)</b>		0.0%	7.8%	3.9%	0.0%	4.5%	0.0%	11.4%	0.0%	5.8%	8.0%	0.0%	0.0%	1.0%	0.0%	1.0%	0.0%	2.7%	1.5%	5.5%	2.5%

BICYCLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound				
		4th Street					Bryant Street					4th Street					Bryant Street				
		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	1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
04:15 PM	to 04:30 PM	0	0	5	0	0	0	0	1	0	0	0	1	0	0	0	2	0	0	0	0
04:30 PM	to 04:45 PM	0	0	3	0	0	0	4	0	0	0	0	3	0	0	2	4	0	0	0	0
04:45 PM	to 05:00 PM	0	0	0	0	0	0	1	2	0	0	0	2	0	0	0	2	0	0	0	0
05:00 PM	to 05:15 PM	0	0	2	0	0	0	0	1	0	0	0	5	0	0	1	1	0	0	0	0
05:15 PM	to 05:30 PM	0	0	1	1	0	0	0	1	0	0	0	8	1	0	0	0	2	2	0	0
05:30 PM	to 05:45 PM	0	1	5	0	0	0	1	2	0	0	0	5	1	0	0	2	0	0	0	0
05:45 PM	to 06:00 PM	0	1	4	0	0	0	0	1	3	0	0	0	8	0	0	1	3	0	0	0
06:00 PM	to 06:15 PM	0	1	2	0	0	2	3	2	0	0	0	3	0	0	1	8	0	0	0	0
06:15 PM	to 06:30 PM	0	1	1	0	0	0	3	0	0	0	0	5	0	0	1	5	1	0	0	0
06:30 PM	to 06:45 PM	0	1	1	0	0	2	1	0	0	0	0	3	0	0	3	2	2	0	0	0
06:45 PM	to 07:00 PM	0	0	4	0	0	2	0	0	0	0	1	8	0	0	0	5	0	0	0	0
<b>INT. PEAK HR (ALL VEH)</b>		9					9					7					10				
04:00 PM	to 05:00 PM	0	0	9	0	0	0	0	6	3	0	0	0	7	0	0	0	2	8	0	0
<b>INT. PEAK HR (BIKES)</b>		16					17					22					22				
05:30 PM	to 06:30 PM	0	4	12	0	0	0	2	8	7	0	0	0	21	1	0	0	3	18	1	0



**DATA COLLECTION NOTES:**



# Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : Howard University Campus Master P  
 Project # : 2357-005  
 Location : Washington DC  
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period : STUDY\_PERIOD  
 Date of Counts : Thursday, October 24, 2019  
 Weather : Partly Cloudy

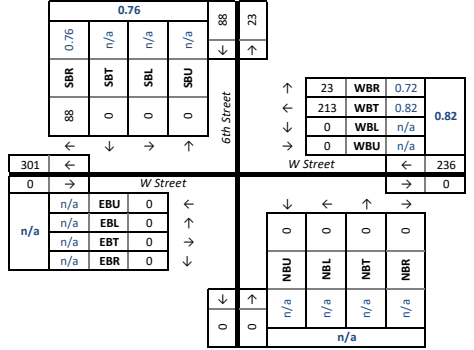
04:00 PM to 07:00 PM

Volumes Displayed as: 1. Intersection Peak (vehicle)

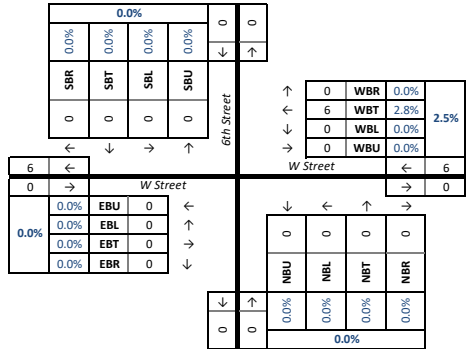
Intersection Peak Hour (all vehicles): 04:00 PM to 05:00 PM  
 System Peak Hour (all vehicles): 05:00 PM to 06:00 PM  
 User-Defined Peak Hour: 05:00 PM to 06:00 PM

Intersection:		1. 6th Street/ & W Street																				
ALL VEHICLES	Direction: Roadway: Movement:	Southbound 6th Street					Westbound W Street					Northbound					Eastbound W Street					
		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	23	16	0	0	65	7	14	0	0	0	0	0	0	0	0	0	0
<b>INT. PEAK HR (ALL VEH)</b>		88					236					0					0					
04:00 PM to 05:00 PM		0	0	0	88	67	0	0	213	23	74	0	0	0	0	0	0	0	0	0	0	56
<b>Peak Hour Factor (PHF)</b>		0.85																				

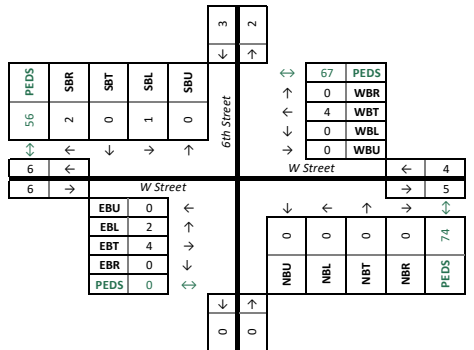
### VEHICLE PEAK HOUR VOLS AND PHF: Intersection Peak (vehicle)



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



### PED AND BIKE PEAK HOUR VOLUMES: Intersection Peak (vehicle)



**DATA COLLECTION NOTES:**







**Gorove/Slade Associates - Multimodal Turning Movement Count Report**

Project Name : Howard University Campus Master P  
 Project # : 2357-005  
 Location : Washington DC  
 Data Source : Gorove/Slade Associates, Inc.

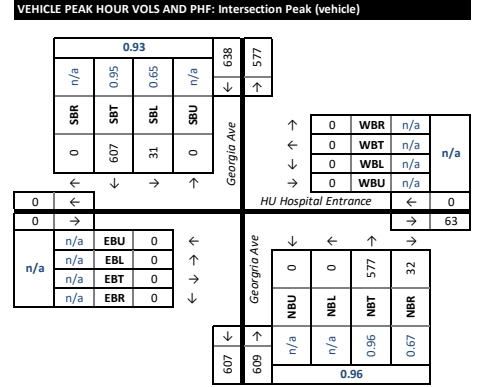
Analysis Period : STUDY\_PERIOD  
 Date of Counts : Thursday, October 24, 2019  
 Weather : Partly Cloudy

04:00 PM to 07:00 PM

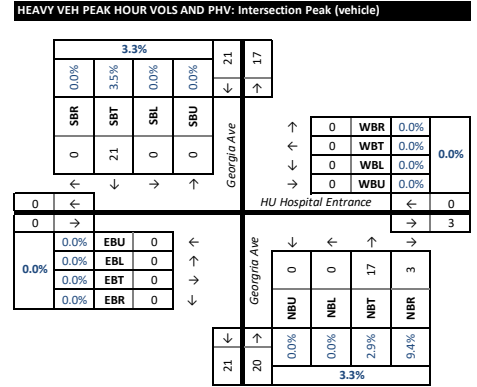
Volumes Displayed as: 1. Intersection Peak (vehicle)

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

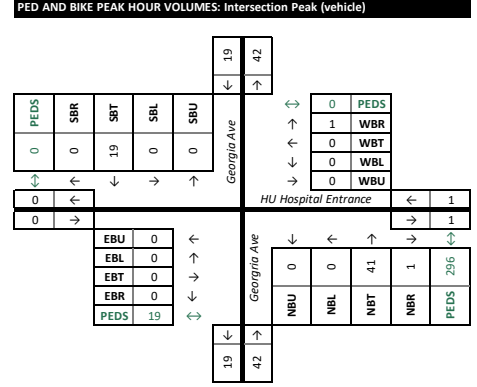
Intersection:		1. Georgia Ave/Georgia Ave & HU Hospital Entrance/																							
ALL VEHICLES	Direction: Roadway: Movement:	Southbound		Westbound		Northbound		Eastbound		Southbound		Westbound		Northbound		Eastbound									
		U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds	U	Left	Thru	Right	Peds				
		04:00 PM to 04:15 PM	0	4	157	0	0	0	0	0	0	72	0	0	132	8	7	0	0	0	0	0	0		
04:15 PM to 04:30 PM	0	5	156	0	0	0	0	0	0	107	0	0	146	7	0	0	0	0	0	0	0				
04:30 PM to 04:45 PM	0	8	165	0	1	0	0	0	0	92	0	0	139	4	3	0	0	0	0	0	0				
04:45 PM to 05:00 PM	0	5	144	0	1	0	0	0	0	111	0	0	129	11	4	0	0	0	0	0	0				
05:00 PM to 05:15 PM	0	12	160	0	0	0	0	0	0	76	0	0	142	12	4	0	0	0	0	0	0				
05:15 PM to 05:30 PM	0	6	154	0	0	0	0	0	0	102	0	0	143	6	1	0	0	0	0	0	0				
05:30 PM to 05:45 PM	0	7	142	0	0	0	0	0	0	70	0	0	150	8	7	0	0	0	0	0	0				
05:45 PM to 06:00 PM	0	6	151	0	0	0	0	0	0	48	0	0	142	6	7	0	0	0	0	0	0				
06:00 PM to 06:15 PM	0	6	159	0	2	0	0	0	0	69	0	0	128	8	3	0	0	0	0	0	0				
06:15 PM to 06:30 PM	0	2	187	0	0	0	0	0	0	67	0	0	118	3	6	0	0	0	0	0	0				
06:30 PM to 06:45 PM	0	3	163	0	0	0	0	0	0	56	1	0	123	4	4	0	0	0	0	0	0				
06:45 PM to 07:00 PM	2	8	127	0	1	0	0	0	0	53	0	0	122	4	1	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																									
INT. PEAK HR (ALL VEH)		638				0				296				609				19				0			
05:00 PM to 06:00 PM		0	31	607	0	0	0	0	0	0	0	0	0	577	32	19	0	0	0	0	0	0			
Peak Hour Factor (PHF)		0.96				n/a				n/a				0.96				n/a				n/a			



Direction: Roadway: Movement:		Southbound		Westbound		Northbound		Eastbound													
HEAVY VEHICLES (FHWA 4+)		U	Left	Thru	Right	U	Left	Thru	Right												
		04:00 PM to 04:15 PM	0	0	7	0	0	0	0	7	1										
04:15 PM to 04:30 PM	0	0	5	0	0	0	0	9	1												
04:30 PM to 04:45 PM	0	0	9	0	0	0	0	9	0												
04:45 PM to 05:00 PM	0	0	4	0	0	0	0	4	1												
05:00 PM to 05:15 PM	0	0	6	0	0	0	0	6	1												
05:15 PM to 05:30 PM	0	0	2	0	0	0	0	6	0												
05:30 PM to 05:45 PM	0	0	8	0	0	0	0	3	2												
05:45 PM to 06:00 PM	0	0	5	0	0	0	0	2	0												
06:00 PM to 06:15 PM	0	1	2	0	0	0	0	1	1												
06:15 PM to 06:30 PM	0	0	5	0	0	0	0	5	1												
06:30 PM to 06:45 PM	0	0	3	0	0	0	0	8	1												
06:45 PM to 07:00 PM	0	0	4	0	0	0	0	7	1												
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																					
INT. PEAK HR (ALL VEH)		21				0				20				0							
05:00 PM to 06:00 PM		0	0	21	0	0	0	0	0	0	0	0	17	3	3	0	0	0	0	0	0
Heavy Vehicle % (PHV)		0.0%				0.0%				3.3%				0.0%							
04:00 PM to 05:00 PM		0	0	25	0	0	0	0	0	0	0	0	29	3	3	0	0	0	0	0	0
Heavy Vehicle % (PHV)		0.0%				0.0%				3.9%				5.6%							



Direction: Roadway: Movement:		Southbound		Westbound		Northbound		Eastbound													
BICYCLES		U	Left	Thru	Right	U	Left	Thru	Right												
		04:00 PM to 04:15 PM	0	0	0	0	0	0	0	3	0										
04:15 PM to 04:30 PM	0	0	2	0	0	0	0	3	0												
04:30 PM to 04:45 PM	0	0	3	0	0	0	0	5	1												
04:45 PM to 05:00 PM	0	0	5	0	0	0	0	1	1												
05:00 PM to 05:15 PM	0	0	5	0	0	0	0	7	1												
05:15 PM to 05:30 PM	0	0	5	0	0	0	0	10	0												
05:30 PM to 05:45 PM	0	0	4	0	0	0	0	14	0												
05:45 PM to 06:00 PM	0	0	5	0	0	0	0	10	0												
06:00 PM to 06:15 PM	0	0	7	0	0	0	0	7	0												
06:15 PM to 06:30 PM	0	0	2	0	0	0	0	10	0												
06:30 PM to 06:45 PM	0	0	7	0	0	0	0	7	0												
06:45 PM to 07:00 PM	0	0	1	0	0	0	0	5	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																					
INT. PEAK HR (ALL VEH)		19				1				42				0							
05:00 PM to 06:00 PM		0	0	19	0	0	0	0	1	0	0	0	41	1	1	0	0	0	0	0	0
INT. PEAK HR (BIKES)		21				2				41				0							
05:15 PM to 06:15 PM		0	0	21	0	0	1	0	1	0	0	0	41	0	0	0	0	0	0	0	0



DATA COLLECTION NOTES:

**Gorove/Slade Associates - Multimodal Turning Movement Count Report**

Project Name : Howard University Campus Master P  
 Project # : 2357-005  
 Location : Washington DC  
 Data Source : Gorove/Slade Associates, Inc.

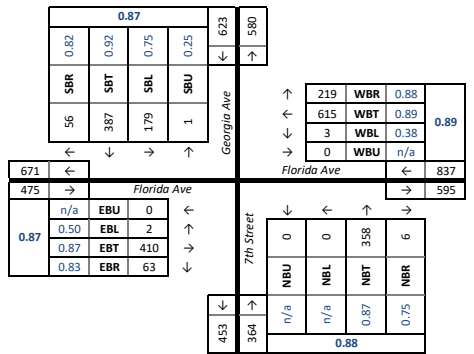
Analysis Period: STUDY\_PERIOD  
 Date of Counts: Thursday, October 24, 2019  
 Weather: Partly Cloudy

04:00 PM to 07:00 PM

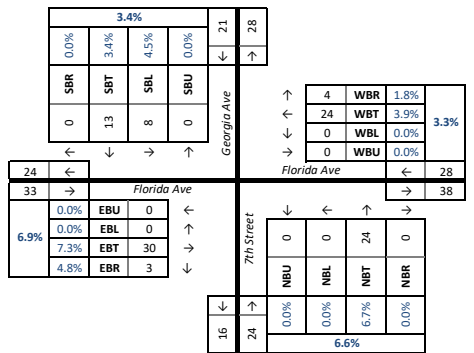
Volumes Displayed as: 1. Intersection Peak (vehicle)  
 Intersection Peak Hour (all vehicles): 04:30 PM to 05:30 PM  
 System Peak Hour (all vehicles): 05:00 PM to 06:00 PM  
 User-Defined Peak Hour: 05:00 PM to 06:00 PM

Intersection:		1. Georgia Ave/7th Street & Florida Ave																																																																																																																																																																																																																																																																																																																																																																																																																																									
ALL VEHICLES	Direction: Roadway: Movement:	Southbound Georgia Ave					Westbound Florida Ave					Northbound 7th Street					Eastbound Florida Ave																																																																																																																																																																																																																																																																																																																																																																																																																										
		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	49	95	11	2	0	1	111	60	124	0	0	76	4	36	0	2	66	23	36	04:15 PM to 04:30 PM	0	45	97	17	3	0	0	119	56	107	0	1	89	1	40	0	2	84	10	27	04:30 PM to 04:45 PM	1	52	105	17	7	0	0	162	54	123	0	0	81	2	6	0	0	118	19	41	04:45 PM to 05:00 PM	0	25	79	17	4	0	1	135	49	105	0	0	82	1	26	0	1	80	14	40	05:00 PM to 05:15 PM	0	60	105	14	19	0	0	173	62	126	0	0	103	1	48	0	1	114	16	49	05:15 PM to 05:30 PM	0	42	98	8	13	0	2	145	54	93	0	0	92	2	17	0	0	98	14	35	05:30 PM to 05:45 PM	0	38	84	9	15	0	4	136	44	74	0	1	90	1	22	0	0	80	10	35	05:45 PM to 06:00 PM	0	42	102	12	4	0	0	144	58	66	0	0	96	1	11	0	0	111	25	58	06:00 PM to 06:15 PM	0	50	89	18	8	0	1	146	74	69	0	0	78	1	15	0	1	101	27	26	06:15 PM to 06:30 PM	0	43	122	16	5	0	0	130	32	85	0	0	69	2	25	0	0	97	19	31	06:30 PM to 06:45 PM	0	48	122	17	6	0	6	138	51	74	0	2	81	0	12	0	7	97	23	36	06:45 PM to 07:00 PM	0	43	71	8	10	0	6	130	40	63	0	6	77	1	18	1	10	72	27	58	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																			
INT. PEAK HR (ALL VEH)		623					837					364					475					165																																																																																																																																																																																																																																																																																																																																																																																																																					
04:30 PM to 05:30 PM		1	179	387	56	43	0	3	615	219	447	0	0	358	6	97	0	2	410	63	165																																																																																																																																																																																																																																																																																																																																																																																																																						
Peak Hour Overall		0.89					0.89					0.88					0.87					0.87																																																																																																																																																																																																																																																																																																																																																																																																																					
Factor (PHF)		0.25	0.75	0.92	0.82	0.87	n/a	0.38	0.92	0.89	0.88	0.89	n/a	n/a	0.87	0.75	0.88	n/a	0.50	0.87	0.83	0.87																																																																																																																																																																																																																																																																																																																																																																																																																					

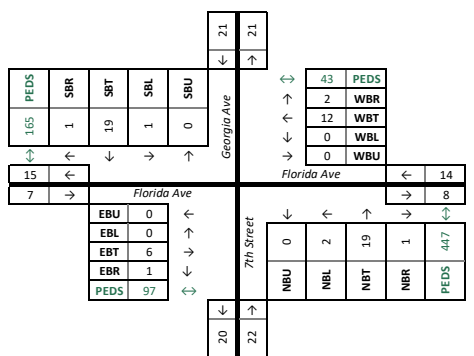
VEHICLE PEAK HOUR VOLS AND PHF: Intersection Peak (vehicle)



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



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



DATA COLLECTION NOTES:

**Gorove/Slade Associates - Multimodal Turning Movement Count Report**

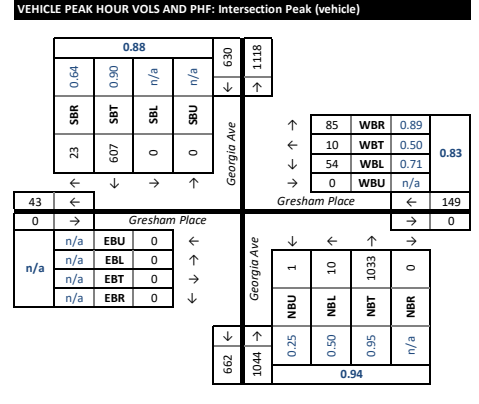
Project Name : Howard University Campus Master P  
 Project # : 2357-005  
 Location : Washington DC  
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period : STUDY\_PERIOD  
 Date of Counts : Wednesday, October 23, 2019  
 Weather : Partly Cloudy

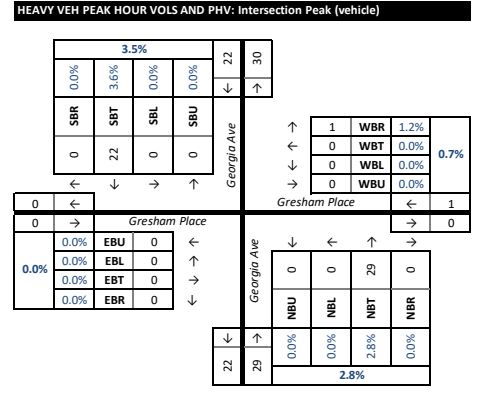
04:00 PM to 07:00 PM

Volumes Displayed as: 1. Intersection Peak (vehicle)  
 Intersection Peak Hour (all vehicles): 05:15 PM to 06:15 PM  
 System Peak Hour (all vehicles): 05:00 PM to 06:00 PM  
 User-Defined Peak Hour: 05:00 PM to 06:00 PM

Intersection: 1. Georgia Ave & Gresham Place		Southbound					Westbound					Northbound					Eastbound				
ALL VEHICLES	Direction:	Georgia Ave					Gresham Place					Georgia Ave					Gresham Place				
	Roadway:	U	L	Thru	Right	Peds	U	L	Thru	Right	Peds	U	L	Thru	Right	Peds	U	L	Thru	Right	Peds
04:00 PM	to 04:15 PM	0	0	150	7	11	0	14	2	21	13	0	4	250	0	8	0	0	0	0	28
04:15 PM	to 04:30 PM	0	0	156	6	2	0	7	3	31	14	0	4	248	0	5	0	0	0	0	30
04:30 PM	to 04:45 PM	1	0	158	5	5	0	11	2	25	21	0	1	212	0	1	0	0	0	0	25
04:45 PM	to 05:00 PM	0	0	156	5	10	0	15	3	20	19	2	6	221	0	6	0	0	0	0	22
05:00 PM	to 05:15 PM	0	0	152	5	9	0	12	4	12	6	0	2	231	0	5	0	0	0	0	25
05:15 PM	to 05:30 PM	0	0	136	7	8	0	13	5	22	21	1	5	272	0	2	0	0	0	0	42
05:30 PM	to 05:45 PM	0	0	148	4	11	0	19	2	24	23	0	1	267	0	4	0	0	0	0	26
05:45 PM	to 06:00 PM	0	0	154	3	4	0	8	2	21	28	0	1	244	0	9	0	0	0	0	21
06:00 PM	to 06:15 PM	0	0	169	9	14	0	14	1	18	17	0	3	250	0	10	0	0	0	0	20
06:15 PM	to 06:30 PM	1	0	158	4	3	0	20	4	26	24	0	2	212	0	5	0	0	0	0	35
06:30 PM	to 06:45 PM	0	0	164	8	20	0	20	3	27	20	0	1	227	0	1	0	0	0	0	36
06:45 PM	to 07:00 PM	0	0	148	5	12	0	13	2	25	24	0	9	203	0	8	0	0	0	0	29



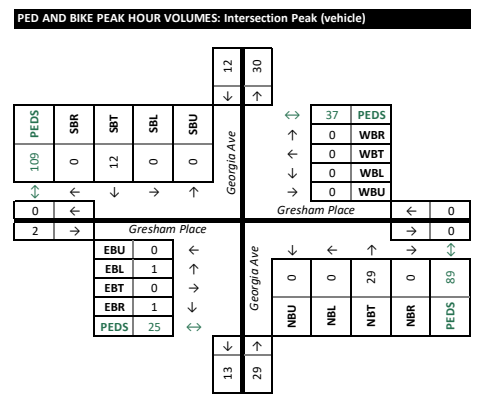
INT. PEAK HR (ALL VEH)	Southbound					Westbound					Northbound					Eastbound				
05:15 PM to 06:15 PM	U	L	Thru	Right	SB	U	L	Thru	Right	WB	U	L	Thru	Right	NB	U	L	Thru	Right	EB
Overall	0	0	607	23	37	0	54	10	85	89	1	10	1033	0	25	0	0	0	0	109
Factor (PHF)	n/a	n/a	0.90	0.64	0.88	n/a	0.71	0.50	0.89	0.83	0.25	0.50	0.95	n/a	0.94	n/a	n/a	n/a	n/a	n/a



HEAVY VEHICLES (FHWA 4+)	Direction:	Southbound					Westbound					Northbound					Eastbound				
	Roadway:	Georgia Ave					Gresham Place					Georgia Ave					Gresham Place				
Movement:	U	L	Thru	Right		U	L	Thru	Right		U	L	Thru	Right		U	L	Thru	Right		
04:00 PM	to 04:15 PM	0	0	5	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	
04:15 PM	to 04:30 PM	0	0	8	0	0	0	0	0	1	0	0	9	0	0	0	0	0	0	0	
04:30 PM	to 04:45 PM	0	0	10	0	0	0	0	0	1	0	0	13	0	0	0	0	0	0	0	
04:45 PM	to 05:00 PM	0	0	6	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	
05:00 PM	to 05:15 PM	0	0	7	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	
05:15 PM	to 05:30 PM	0	0	7	0	0	0	0	0	1	0	0	6	0	0	0	0	0	0	0	
05:30 PM	to 05:45 PM	0	0	5	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	
05:45 PM	to 06:00 PM	0	0	5	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	
06:00 PM	to 06:15 PM	0	0	5	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	
06:15 PM	to 06:30 PM	0	0	4	0	0	1	0	1	0	0	0	5	0	0	0	0	0	0	0	
06:30 PM	to 06:45 PM	0	0	2	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	
06:45 PM	to 07:00 PM	0	0	4	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	

INT. PEAK HR (ALL VEH)	Southbound					Westbound					Northbound					Eastbound				
05:15 PM to 06:15 PM	U	L	Thru	Right		U	L	Thru	Right		U	L	Thru	Right		U	L	Thru	Right	
05:15 PM to 06:15 PM	0	0	22	0		0	0	0	1		0	0	29	0		0	0	0	0	
Heavy Vehicle % (PHV)	0.0%	0.0%	3.6%	0.0%	3.5%	0.0%	0.0%	0.0%	1.2%	0.7%	0.0%	0.0%	2.8%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%

BICYCLES	Direction:	Southbound					Westbound					Northbound					Eastbound				
	Roadway:	Georgia Ave					Gresham Place					Georgia Ave					Gresham Place				
Movement:	U	L	Thru	Right		U	L	Thru	Right		U	L	Thru	Right		U	L	Thru	Right		
04:00 PM	to 04:15 PM	0	0	6	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	
04:15 PM	to 04:30 PM	0	0	1	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	
04:30 PM	to 04:45 PM	0	0	4	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
04:45 PM	to 05:00 PM	0	0	6	1	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	
05:00 PM	to 05:15 PM	0	0	3	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	
05:15 PM	to 05:30 PM	0	0	3	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	
05:30 PM	to 05:45 PM	0	0	4	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	
05:45 PM	to 06:00 PM	0	0	4	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	
06:00 PM	to 06:15 PM	0	0	1	0	0	0	0	0	0	0	0	4	0	0	1	0	1	0	0	
06:15 PM	to 06:30 PM	0	1	1	1	0	0	0	0	1	0	0	9	0	0	0	0	0	0	0	
06:30 PM	to 06:45 PM	0	0	4	0	0	0	0	0	0	0	1	4	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	4	0	0	0	0	0	0	0	



INT. PEAK HR (ALL VEH)	Southbound					Westbound					Northbound					Eastbound				
05:15 PM to 06:15 PM	U	L	Thru	Right		U	L	Thru	Right		U	L	Thru	Right		U	L	Thru	Right	
05:15 PM to 06:15 PM	0	0	12	0		0	0	0	0		0	0	29	0		0	1	0	1	
INT. PEAK HR (BIKES)	12					0					29					2				
05:15 PM to 06:15 PM	0	0	12	0		0	0	0	0		0	0	29	0		0	1	0	1	

**DATA COLLECTION NOTES:**

**Gorove/Slade Associates - Multimodal Turning Movement Count Report**

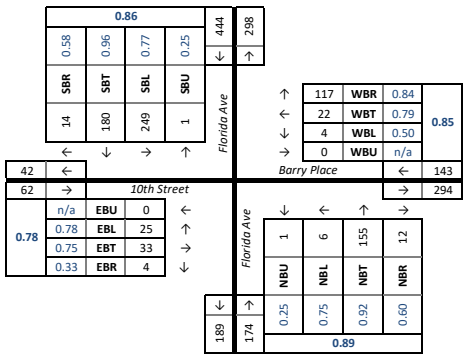
Project Name : Howard University Campus Master P  
 Project # : 2357-005  
 Location : Washington DC  
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period : STUDY\_PERIOD 04:00 PM to 07:00 PM  
 Date of Counts : Thursday, October 24, 2019  
 Weather : Partly Cloudy

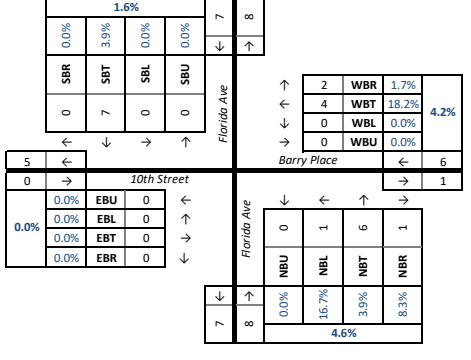
Volumes Displayed as: 1. Intersection Peak (vehicle)  
 Intersection Peak Hour (all vehicles): 04:45 PM to 05:45 PM  
 System Peak Hour (all vehicles): 05:00 PM to 06:00 PM  
 User-Defined Peak Hour: 05:00 PM to 06:00 PM

Intersection:		1. Florida Ave & Barry Place/10th Street																				
ALL VEHICLES	Direction: Roadway: Movement:	Southbound					Westbound					Northbound					Eastbound					
		Florida Ave					Barry Place					Florida Ave					10th Street					
		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	40	74	4	1	1	0	8	38	18	0	1	39	1	23	1	1	3	4	12	
04:15 PM	to 04:30 PM	0	36	59	2	3	1	0	5	26	8	0	4	36	6	14	0	4	9	0	12	
04:30 PM	to 04:45 PM	0	52	49	4	1	0	1	4	34	12	0	0	39	3	13	0	5	6	0	10	
04:45 PM	to 05:00 PM	0	81	44	4	1	0	1	5	32	7	1	0	36	2	14	0	8	7	0	12	
05:00 PM	to 05:15 PM	1	52	43	1	1	0	2	5	35	11	0	2	42	5	22	0	8	11	1	9	
05:15 PM	to 05:30 PM	0	51	47	6	2	0	0	7	26	14	0	2	40	3	22	0	5	7	0	12	
05:30 PM	to 05:45 PM	0	65	46	3	0	0	1	5	24	7	0	2	37	2	17	0	4	8	3	16	
05:45 PM	to 06:00 PM	0	45	35	3	2	0	1	9	29	7	0	0	36	3	16	0	2	6	0	8	
06:00 PM	to 06:15 PM	0	47	36	2	1	0	1	7	26	5	0	0	35	1	14	0	8	6	1	14	
06:15 PM	to 06:30 PM	0	24	32	1	0	0	2	7	23	10	0	1	39	0	16	0	4	19	0	9	
06:30 PM	to 06:45 PM	0	42	39	0	0	0	1	6	31	9	0	1	36	3	18	0	4	12	0	11	
06:45 PM	to 07:00 PM	0	35	29	4	0	0	1	2	38	11	0	1	37	1	13	1	5	7	1	9	
<b>INT. PEAK HR (ALL VEH)</b>		444					143					174					75					
04:45 PM to 05:45 PM		1	249	180	14	4	0	4	22	117	39	1	6	155	12	75	0	25	33	4	49	
<b>Peak Hour Factor (PHF)</b>		Overall	U	Left	Thru	Right	SB	U	Left	Thru	Right	WB	U	Left	Thru	Right	NB	U	Left	Thru	Right	EB
		0.93	0.25	0.77	0.96	0.58	0.86	n/a	0.50	0.79	0.84	0.85	0.25	0.75	0.92	0.60	0.89	n/a	0.78	0.75	0.33	0.78

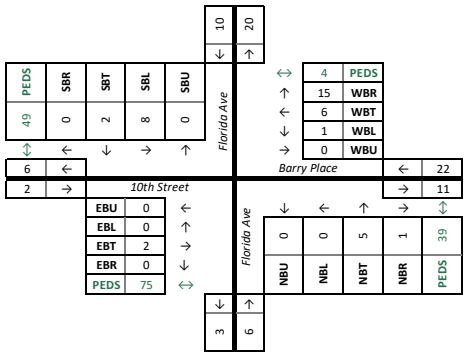
**VEHICLE PEAK HOUR VOL AND PHF: Intersection Peak (vehicle)**



**HEAVY VEH PEAK HOUR VOL AND PHF: Intersection Peak (vehicle)**



**PED AND BIKE PEAK HOUR VOLUMES: Intersection Peak (vehicle)**



**DATA COLLECTION NOTES:**

# Gorove/Slade Associates - Multimodal Turning Movement Count Report

Project Name : Howard University Campus Master P  
 Project # : 2357-005  
 Location : Washington DC  
 Data Source : Gorove/Slade Associates, Inc.

Analysis Period : STUDY\_PERIOD  
 Date of Counts : Thursday, October 24, 2019  
 Weather : Partly Cloudy  
 04:00 PM to 07:00 PM

Volumes Displayed as: 1. Intersection Peak (vehicle)

Intersection Peak Hour (all vehicles): 05:30 PM to 06:30 PM  
 System Peak Hour (all vehicles): 05:00 PM to 06:00 PM  
 User-Defined Peak Hour: 05:00 PM to 06:00 PM

Intersection:		1. 9th Street & Barry Place																			
ALL VEHICLES	Direction:	Southbound					Westbound					Northbound					Eastbound				
	Roadway:	9th Street					Barry Place					9th Street					Barry Place				
	Movement:	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	5	41	2	9	0	8	0	4	13	0	1	20	7	5	0	2	0	1	62
04:15 PM	to 04:30 PM	0	5	52	0	4	0	3	0	5	12	0	1	28	10	11	0	1	0	2	67
04:30 PM	to 04:45 PM	0	6	44	0	4	0	12	0	2	3	3	4	24	9	14	0	2	0	2	63
04:45 PM	to 05:00 PM	0	8	40	0	28	0	1	0	9	14	1	1	31	9	20	0	0	1	0	77
05:00 PM	to 05:15 PM	0	8	48	0	7	0	6	0	4	11	1	1	39	7	8	0	0	1	2	63
05:15 PM	to 05:30 PM	0	7	40	0	14	0	5	0	3	22	1	1	32	9	11	0	1	1	2	51
05:30 PM	to 05:45 PM	0	7	45	1	7	0	4	1	3	21	1	4	34	8	19	0	4	2	2	25
05:45 PM	to 06:00 PM	0	7	43	0	1	0	8	2	5	12	1	1	23	12	12	0	0	0	4	33
06:00 PM	to 06:15 PM	0	8	53	0	6	0	8	0	8	15	0	7	28	11	15	0	0	2	3	31
06:15 PM	to 06:30 PM	0	7	54	0	19	0	3	0	7	15	1	1	24	12	4	0	1	0	4	51
06:30 PM	to 06:45 PM	0	3	39	1	14	0	6	0	4	11	0	0	22	13	8	0	3	0	1	38
06:45 PM	to 07:00 PM	0	4	42	1	5	0	4	0	7	11	0	1	30	10	9	0	0	0	2	43

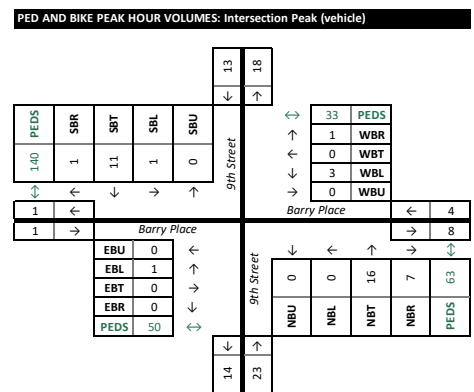
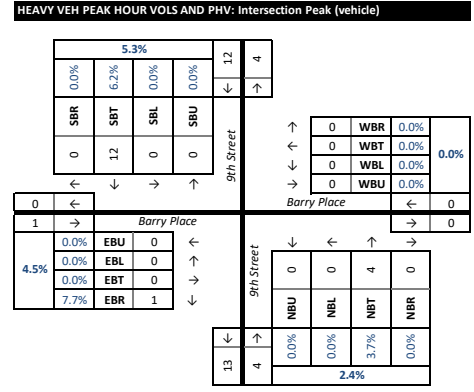
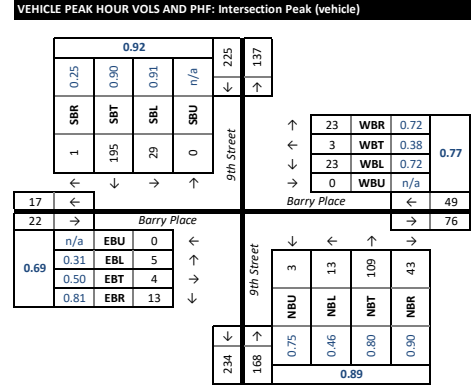
INT. PEAK HR (ALL VEH)	05:30 PM to 06:30 PM	225	49	168	22	140															
05:30 PM to 06:30 PM	0	29	195	1	33	0	23	3	23	63	3	13	109	43	50	0	5	4	13	140	
Peak Hour Factor (PHF)	Overall	n/a	0.91	0.90	0.25	0.92	n/a	0.72	0.38	0.72	0.77	0.75	0.46	0.80	0.90	0.89	n/a	0.31	0.50	0.81	0.69

HEAVY VEHICLES (FHWA 4+)	Direction:	Southbound					Westbound					Northbound					Eastbound				
	Roadway:	9th Street					Barry Place					9th Street					Barry Place				
	Movement:	U	L	Thru	R	Right	U	L	Thru	R	Right	U	L	Thru	R	Right	U	L	Thru	R	Right
04:00 PM	to 04:15 PM	0	0	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
04:15 PM	to 04:30 PM	0	0	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
04:30 PM	to 04:45 PM	0	0	5	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
04:45 PM	to 05:00 PM	0	0	2	0	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	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
05:15 PM	to 05:30 PM	0	0	4	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
05:30 PM	to 05:45 PM	0	0	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
05:45 PM	to 06:00 PM	0	0	4	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
06:00 PM	to 06:15 PM	0	0	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
06:15 PM	to 06:30 PM	0	0	3	0	0	0	0	0	0	0	0	0	1	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	2	0	0	0	0	0	0	0
06:45 PM	to 07:00 PM	0	0	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0

INT. PEAK HR (ALL VEH)	05:30 PM to 06:30 PM	12	0	4	1																
05:30 PM to 06:30 PM	0	0	12	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
Heavy Vehicle % (PHV)		0.0%	0.0%	6.2%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.7%	0.0%	2.4%	0.0%	0.0%	0.0%	7.7%	4.5%
INT. PEAK HR (HV ONLY)	04:30 PM to 05:30 PM	14	0	6	0																
04:30 PM to 05:30 PM	0	0	14	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0
Heavy Vehicle % (PHV)		0.0%	0.0%	8.1%	0.0%	7.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.8%	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%	0.0%

BICYCLES	Direction:	Southbound					Westbound					Northbound					Eastbound				
	Roadway:	9th Street					Barry Place					9th Street					Barry Place				
	Movement:	U	L	Thru	R	Right	U	L	Thru	R	Right	U	L	Thru	R	Right	U	L	Thru	R	Right
04:00 PM	to 04:15 PM	0	2	1	0	0	0	0	0	0	0	0	0	3	0	0	0	0	1	0	0
04:15 PM	to 04:30 PM	0	0	1	0	0	0	0	0	1	0	0	0	3	0	0	0	0	0	0	0
04:30 PM	to 04:45 PM	0	0	1	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0
04:45 PM	to 05:00 PM	0	0	1	0	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	3	0	0	0	1	0	0	0	0	0	5	2	0	0	0	0	0	0
05:15 PM	to 05:30 PM	0	2	10	0	0	0	0	0	0	0	0	0	8	1	0	0	0	0	0	0
05:30 PM	to 05:45 PM	0	0	3	0	0	0	1	0	0	0	0	0	5	2	0	0	0	0	0	0
05:45 PM	to 06:00 PM	0	0	1	0	0	0	1	0	0	0	0	0	4	1	0	0	0	0	0	0
06:00 PM	to 06:15 PM	0	0	5	1	0	0	1	0	0	0	0	0	3	1	0	1	0	0	0	0
06:15 PM	to 06:30 PM	0	1	2	0	0	0	1	0	1	0	0	0	4	3	0	0	0	0	0	0
06:30 PM	to 06:45 PM	0	0	3	0	0	0	0	0	0	0	0	0	3	2	0	0	0	1	0	0
06:45 PM	to 07:00 PM	0	0	5	0	0	0	0	0	0	0	0	0	6	2	0	0	0	0	0	0

INT. PEAK HR (ALL VEH)	05:30 PM to 06:30 PM	13	4	23	1																
05:30 PM to 06:30 PM	0	1	11	1	0	0	3	0	1	0	0	0	16	7	0	1	0	0	0	0	0
INT. PEAK HR (BIKES)	05:15 PM to 06:15 PM	22	2	25	1																
05:15 PM to 06:15 PM	0	2	19	1	0	0	2	0	0	0	0	0	0	20	5	0	1	0	0	0	0



DATA COLLECTION NOTES:











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## G. Vehicle Level of Service Definitions



## A. LEVEL OF SERVICE DEFINITIONS

All capacity analyses are based on the procedures specified by the Transportation Research Board, Special Report 209: Highway Capacity Manual (HCM), 2000. Levels of service (LOS) range from A to F. A brief description of each level of service for signalized and unsignalized intersections is provided below.

### SIGNALIZED INTERSECTIONS

Level of service is based upon the traffic volume present in each lane on the roadway, the capacity of each lane at the intersection and the delay associated with each directional movement. The levels of service for signalized intersections are defined below:

- **LOS A** describes operations with very low average delay per vehicle, i.e., less than 10.0 seconds. This occurs when progression is extremely favorable, and most vehicles arrive during the green phase. Most vehicles do not stop. Short signal cycle lengths may also contribute to low delay.
- **LOS B** describes operations with average delay in the range of 10.1 to 20.0 seconds per vehicle. This generally occurs with good progression and/or short cycle lengths. More vehicles stop than for LOS A, causing higher levels of average delay.
- **LOS C** describes operations with delay in the range of 20.1 to 35.0 seconds per vehicle. These higher delays may result from fair progression and/or longer cycle lengths. Individual cycle failures may begin to appear at this level. The number of vehicles stopping is significant at this level although many still pass through the intersection without stopping. This is generally considered the lower end of the range of the acceptable level of service in rural areas.
- **LOS D** describes operations with delay in the range of 35.1 to 55.0 seconds per vehicle. At LOS D, the influence of congestion becomes more noticeable. Longer delays may result from some combination of unfavorable progression, long cycle lengths, and/or high traffic volumes as compared to the roadway capacity. Many vehicles are required to stop and the number of vehicles that do not have to stop declines. Individual signal cycle failures, where all waiting vehicles do not clear the intersection during a single green time, are noticeable. This is generally considered the lower end of the range of the acceptable level of service in urban areas.
- **LOS E** describes operations with delay in the range of 55.1 to 80.0 seconds per vehicle. These higher delay values generally indicate poor progression, long cycle lengths, and high traffic volumes. Individual cycle failures are frequent occurrences. LOS E has been set as the limit of acceptable conditions.
- **LOS F** describes operations with average delay in excess of 80.0 seconds per vehicle. This is considered to be unacceptable to most drivers. This condition often occurs with over-saturation, i.e., when traffic arrives at a flow rate that exceeds the capacity of the intersection. It may also occur at high volumes with many individual cycle failures. Poor progression and long cycle lengths may also contribute to such delays.

### UNSIGNALIZED INTERSECTIONS

At an unsignalized intersection, the major street through traffic and right turns are assumed to operate unimpeded and therefore receive no level of service rating. The level of service for the minor street and the major street left turn traffic is dependent on the volume and capacity of the available lanes, and, the number and frequency of acceptable gaps in the major street traffic to make a conflicting turn.

The level of service grade is provided for each conflicting movement at an unsignalized intersection and is based on the total average delay experienced by each vehicle. The delay includes the time it takes a vehicle to move from the back of a queue through the intersection.



The unsignalized intersection level of service analysis does not account for variations in driver behavior or the effects of nearby traffic signals. Therefore, the results from this analysis usually indicate worse levels of service than may be experienced in the field. The unsignalized intersection level of service descriptions are provided below:

- **LOS A** describes operations where there is very little to no conflicting traffic for a minor side street movement, i.e., an average total delay of less than 10.0 seconds per vehicle.
- **LOS B** describes operations with average total delay in the range of 10.1 to 15.0 seconds per vehicle.
- **LOS C** describes operations with average total delay in the range of 15.1 to 25.0 second per vehicle.
- **LOS D** describes operations with average total delay in the range of 25.1 to 35.0 seconds per vehicle.
- **LOS E** describes operations with average total delay in the range of 35.1 to 50.0 seconds per vehicle.
- **LOS F** describes operations with average total delay of 50 seconds per vehicle. LOS F exists when there are insufficient gaps of suitable size to allow a side street demand to cross safely through or enter a major street traffic stream. This level of service is generally evident from extremely long total delays experienced by side street traffic and by queuing on the minor approaches. It is important to note that LOS F may not always result in long queues but may result in adjustments to normal driver behavior.

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## H. Intersection Capacity Analysis – Existing conditions (2019 Existing)

Queues

1: Georgia Ave NW & Harvard St NW



Lane Group	EBL	EBT	NBT	SBT
Lane Group Flow (vph)	35	427	680	1338
v/c Ratio	0.09	0.51	0.38	0.80
Control Delay	27.2	32.2	8.3	17.8
Queue Delay	0.0	0.0	0.0	0.0
Total Delay	27.2	32.2	8.3	17.8
Queue Length 50th (ft)	16	118	87	298
Queue Length 95th (ft)	41	167	120	402
Internal Link Dist (ft)		782	130	228
Turn Bay Length (ft)	60			
Base Capacity (vph)	389	833	1794	1680
Starvation Cap Reductn	0	0	0	0
Spillback Cap Reductn	0	0	0	0
Storage Cap Reductn	0	0	0	0
Reduced v/c Ratio	0.09	0.51	0.38	0.80

Intersection Summary

HCM Signalized Intersection Capacity Analysis  
 1: Georgia Ave NW & Harvard St NW



Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Traffic Volume (vph)	32	374	15	0	0	0	0	490	129	62	1156	0
Future Volume (vph)	32	374	15	0	0	0	0	490	129	62	1156	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Total Lost time (s)	4.0	4.0						3.5			3.5	
Lane Util. Factor	1.00	0.95						0.95			0.95	
Frbp, ped/bikes	1.00	1.00						0.98			1.00	
Flpb, ped/bikes	0.99	1.00						1.00			1.00	
Frt	1.00	0.99						0.97			1.00	
Flt Protected	0.95	1.00						1.00			1.00	
Satd. Flow (prot)	1366	2917						2767			3015	
Flt Permitted	0.95	1.00						1.00			0.87	
Satd. Flow (perm)	1366	2917						2767			2627	
Peak-hour factor, PHF	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Adj. Flow (vph)	35	411	16	0	0	0	0	538	142	68	1270	0
RTOR Reduction (vph)	0	3	0	0	0	0	0	24	0	0	0	0
Lane Group Flow (vph)	35	424	0	0	0	0	0	656	0	0	1338	0
Confl. Peds. (#/hr)	8		22	22			8	51		37	37	51
Heavy Vehicles (%)	6%	5%	7%	2%	2%	2%	2%	7%	3%	2%	2%	2%
Parking (#/hr)	0	0	0	0	0	0	0	0	0		0	
Turn Type	Perm	NA						NA		Perm	NA	
Protected Phases		8						2			6	
Permitted Phases	8									6		
Actuated Green, G (s)	26.5	26.5						62.0			62.0	
Effective Green, g (s)	28.5	28.5						64.0			64.0	
Actuated g/C Ratio	0.28	0.28						0.64			0.64	
Clearance Time (s)	6.0	6.0						5.5			5.5	
Lane Grp Cap (vph)	389	831						1770			1681	
v/s Ratio Prot		c0.15						0.24				
v/s Ratio Perm	0.03										c0.51	
v/c Ratio	0.09	0.51						0.37			0.80	
Uniform Delay, d1	26.2	29.9						8.5			13.2	
Progression Factor	1.00	1.00						1.00			1.00	
Incremental Delay, d2	0.5	2.2						0.6			4.0	
Delay (s)	26.7	32.1						9.1			17.2	
Level of Service	C	C						A			B	
Approach Delay (s)		31.7			0.0			9.1			17.2	
Approach LOS		C			A			A			B	
<b>Intersection Summary</b>												
HCM 2000 Control Delay			17.7					HCM 2000 Level of Service			B	
HCM 2000 Volume to Capacity ratio			0.71									
Actuated Cycle Length (s)			100.0					Sum of lost time (s)		7.5		
Intersection Capacity Utilization			88.6%					ICU Level of Service		E		
Analysis Period (min)			15									

c Critical Lane Group