Movement EBL EBT EBR WBL WBT WBR NBL NBT NBR SBL SBR SBR Lane Configurations YS A		۶	→	•	•	•	•	1	†	1	-	Ţ	1
Traffic Volume (veh/h) 54 64 193 284 94 160 275 1039 115 67 1934 71 Initial Q (Qb), veh 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Movement		EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR			SBR
Future Volume (veh/h)		14.14	*	7	14.54	^	7	44	^	7	14.54	^	
Initial Q(Qb), yeh													
Ped-Bike Adji (A_pbT)	\ /											1934	
Parking Bus, Adj			0			0			0			0	
Nor Zone On Approach No 1870													
Adj Sat Flow, vehrhin 1870		1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Adj Flow Rate, veh/h 59 70 210 309 102 174 299 1129 125 73 2102 77 Peak Hour Factor 0.92													
Peak Hour Factor 0.92													
Percent Heavy Veh, % 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2													
Cap, veh/h 96 518 231 346 775 346 342 2936 911 112 2596 806 Arrive On Green 0.03 0.15 0.15 0.10 0.22 0.22 0.10 0.57 0.06 1.00 1.00 1.00 Sat Flow, veh/h 3456 3554 1585 3456 3554 1585 3456 5106 1585 3456 5106 1585 3456 5106 1585 3456 5106 1585 3456 5106 1585 3456 5106 1585 3456 5106 1585 3456 5106 1585 3456 5106 1585 3456 5106 1585 3456 5106 1585 3456 5106 1585 3456 310 346 347 348 3472 219 125 73 2102 77 Gry Succle QClear(g.s), veh/h 96 518 231 346 775 346 342 2936 </td <td></td>													
Arrive On Green 0.03 0.15 0.15 0.10 0.22 0.22 0.10 0.57 0.57 0.06 1.00 1.00 Sat Flow, yeh/h 3456 3554 1585 3456 5106 1585 3456 5106 1585 Grp Volume(v), yeh/h 59 70 210 309 102 174 299 1129 125 73 2102 77 Grp Sat Flow(s), yeh/h/ln 1728 1777 1585 1728 1777 1585 1728 1777 1585 1728 1770 1585 Q Serve(g_s), s 2.5 2.6 19.6 13.3 3.5 14.5 12.8 18.1 5.5 3.1 0.0 0.0 Cycle Q Clear(g_c, s), s 2.5 2.6 19.6 13.3 3.5 14.5 12.8 18.1 5.5 3.1 0.0 0.0 Cycle Q Clear(g_c, s), s 2.5 2.6 19.6 13.3 3.5 14.5 12.8 18.1 5.5 3.1 0.0 0.0 Cycle Q Clear(g_c, s), s 2.5 2.6 19.6 13.3 3.5 14.5 12.8 18.1 5.5 3.1 0.0 0.0 Cycle Q Clear(g_c, s), s 2.5 2.6 19.6 13.3 3.5 14.5 12.8 18.1 5.5 3.1 0.0 0.0 Cycle Q Clear(g_c, s), s 2.5 2.6 19.6 13.3 3.5 14.5 12.8 18.1 5.5 3.1 0.0 0.0 Cycle Q Clear(g_c, s), s 2.5 2.6 19.6 13.3 3.5 14.5 12.8 18.1 5.5 3.1 0.0 0.0 Cycle Q Clear(g_c, s), s 2.5 2.6 19.6 13.3 3.5 14.5 12.8 18.1 5.5 3.1 0.0 0.0 Cycle Q Clear(g_c, s), s 2.5 2.6 19.6 13.3 3.5 14.5 12.8 18.1 5.5 3.1 0.0 0.0 Cycle Q Clear(g_c, s), s 2.5 2.6 19.6 13.3 3.5 14.5 12.8 18.1 5.5 3.1 0.0 0.0 Cycle Q Clear(g_c, s), s 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0													
Sat Flow, veh/h 3456 3554 1585 3456 3554 1585 3456 3554 1585 3456 5106 1585 3456 5106 1585													
Grp Volume(v), veh/h 59 70 210 309 102 174 299 1129 125 73 2102 77 Grp Sat Flow(s),veh/h/ln 1728 1777 1585 1728 1770 1585 1728 1702 1585 1728 1702 1585 1728 1702 1585 1728 1702 1585 1728 1702 1585 150 1728 1702 1585 150 1728 1702 1585 150 150 0.0													
Grp Sat Flow(s), veh/h/ln 1728 1777 1585 1728 1777 1585 1728 1702 1585 1728 1702 1585 Q Serve(g, s), s 2.5 2.6 19.6 13.3 3.5 14.5 12.8 18.1 5.5 3.1 0.0 0.0 Cycle Q Clear(g, c), s 2.5 2.6 19.6 13.3 3.5 14.5 12.8 18.1 5.5 3.1 0.0 0.0 Prop In Lane 1.00 <td></td>													
Q Serve(g_s), s													
Cycle Q Clear(g_c), s 2.5 2.6 19.6 13.3 3.5 14.5 12.8 18.1 5.5 3.1 0.0 0.0 Prop In Lane 1.00 </td <td></td>													
Prop In Lane													
Lane Grp Cap(c), veh/h 96 518 231 346 775 346 342 2936 911 112 2596 806 V/C Ratio(X) 0.62 0.14 0.91 0.89 0.13 0.50 0.87 0.38 0.14 0.65 0.81 0.10 Avail Cap(c_a), veh/h 346 877 391 346 877 391 415 2936 911 415 2596 806 HCM Platoon Ratio 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0			2.6			3.5			18.1			0.0	
V/C Ratio(X) 0.62 0.14 0.91 0.89 0.13 0.50 0.87 0.38 0.14 0.65 0.81 0.10 Avail Cap(c_a), veh/h 346 877 391 346 877 391 415 2936 911 415 2596 806 HCM Platoon Ratio 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00 2.00 2.00 2.00 2.00 2.00 2.00 1.00 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>													
Avail Cap(c_a), veh/h 346 877 391 346 877 391 415 2936 911 415 2596 806 HCM Platoon Ratio 1.00 1.00 1.00 1.00 1.00 1.00 1.00 1.0													
HCM Platoon Ratio													
Upstream Filter(I) 0.91 0.91 0.91 1.00 1.00 1.00 1.00 1.00													
Uniform Delay (d), s/veh 72.1 55.8 63.1 66.7 47.2 51.5 66.7 17.4 14.7 69.3 0.0 0.0 lncr Delay (d2), s/veh 2.2 0.0 8.6 23.7 0.0 0.4 14.2 0.4 0.3 2.4 2.9 0.2 lnitial Q Delay(d3),s/veh 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.													
Incr Delay (d2), s/veh													
Initial Q Delay(d3),s/veh													
%ile BackOfQ(50%),veh/ln 1.2 1.2 8.5 7.0 1.6 5.9 6.3 7.2 2.1 1.4 0.7 0.1 Unsig. Movement Delay, s/veh LnGrp Delay(d),s/veh 74.3 55.9 71.7 90.4 47.2 51.9 80.8 17.8 15.0 71.7 2.9 0.2 LnGrp LOS E E E E F D D F B B E A A Approach Vol, veh/h 339 585 1553 2252 Approach Delay, s/veh 68.9 71.4 29.7 5.0 Approach LOS E E E C A Timer - Assigned Phs 1 2 3 4 5 6 7 8 Phs Duration (G+Y+Rc), s 9.9 92.2 20.0 27.9 19.9 82.3 9.2 38.7 Change Period (Y+Rc), s 5.0 6.0 5.0 6.0 5.0 6.0 5.0 6.0 Max Green Setting (Gmax), s 18.0 58.0 15.0													
Unsig. Movement Delay, s/veh LnGrp Delay(d),s/veh 74.3 55.9 71.7 90.4 47.2 51.9 80.8 17.8 15.0 71.7 2.9 0.2 LnGrp LOS E E E F D D D F B B E A A Approach Vol, veh/h 339 585 1553 2252 Approach Delay, s/veh 68.9 71.4 29.7 5.0 Approach LOS E E C A Timer - Assigned Phs 1 2 3 4 5 6 7 8 Phs Duration (G+Y+Rc), s 9.9 92.2 20.0 27.9 19.9 82.3 9.2 38.7 Change Period (Y+Rc), s 5.0 6.0 5.0 6.0 5.0 6.0 5.0 6.0 Max Green Setting (Gmax), s 18.0 58.0 15.0 37.0 18.0 58.0 15.0 37.0 Max Q Clear Time (g_c+11), s 5.1 20.1 15.3 21.6 14.8 2.0 4.5 16.5 Green Ext Time (p_c), s 0.0 4.4 0.0 0.3 0.1 12.1 0.0 0.4 Intersection Summary HCM 6th Ctrl Delay 25.9													
LnGrp Delay(d),s/veh 74.3 55.9 71.7 90.4 47.2 51.9 80.8 17.8 15.0 71.7 2.9 0.2 LnGrp LOS E E E E F D D F B B E A A Approach Vol, veh/h 339 585 1553 2252 A			1.2	8.5	7.0	1.6	5.9	6.3	7.2	2.1	1.4	0.7	0.1
LnGrp LOS E E E E F D D F B B E A A Approach Vol, veh/h 339 585 1553 2252 Approach Delay, s/veh 68.9 71.4 29.7 5.0 Approach LOS E E C A Timer - Assigned Phs 1 2 3 4 5 6 7 8 Phs Duration (G+Y+Rc), s 9.9 92.2 20.0 27.9 19.9 82.3 9.2 38.7 Change Period (Y+Rc), s 5.0 6.0 5.0 6.0 5.0 6.0 5.0 6.0 Max Green Setting (Gmax), s 18.0 58.0 15.0 37.0 18.0 58.0 15.0 37.0 Max Q Clear Time (g_c+I1), s 5.1 20.1 15.3 21.6 14.8 2.0 4.5 16.5 Green Ext Time (p_c), s 0.0 4.4 0.0 0.3 0.1 12.1													
Approach Vol, veh/h 339 585 1553 2252 Approach Delay, s/veh 68.9 71.4 29.7 5.0 Approach LOS E E C A Timer - Assigned Phs 1 2 3 4 5 6 7 8 Phs Duration (G+Y+Rc), s 9.9 92.2 20.0 27.9 19.9 82.3 9.2 38.7 Change Period (Y+Rc), s 5.0 6.0 5.0 6.0 5.0 6.0 5.0 6.0 Max Green Setting (Gmax), s 18.0 58.0 15.0 37.0 18.0 58.0 15.0 37.0 Max Q Clear Time (g_c+I1), s 5.1 20.1 15.3 21.6 14.8 2.0 4.5 16.5 Green Ext Time (p_c), s 0.0 4.4 0.0 0.3 0.1 12.1 0.0 0.4 Intersection Summary HCM 6th Ctrl Delay 25.9 25.9 25.9 25.9 25.9 25.9													
Approach Delay, s/veh		E		E	F		D	F		В	E		A
Approach LOS													
Timer - Assigned Phs 1 2 3 4 5 6 7 8 Phs Duration (G+Y+Rc), s 9.9 92.2 20.0 27.9 19.9 82.3 9.2 38.7 Change Period (Y+Rc), s 5.0 6.0 5.0 6.0 5.0 6.0 5.0 6.0 Max Green Setting (Gmax), s 18.0 58.0 15.0 37.0 18.0 58.0 15.0 37.0 Max Q Clear Time (g_c+I1), s 5.1 20.1 15.3 21.6 14.8 2.0 4.5 16.5 Green Ext Time (p_c), s 0.0 4.4 0.0 0.3 0.1 12.1 0.0 0.4 Intersection Summary HCM 6th Ctrl Delay 25.9 25.9													
Phs Duration (G+Y+Rc), s 9.9 92.2 20.0 27.9 19.9 82.3 9.2 38.7 Change Period (Y+Rc), s 5.0 6.0 5.0 6.0 5.0 6.0 5.0 6.0 Max Green Setting (Gmax), s 18.0 58.0 15.0 37.0 18.0 58.0 15.0 37.0 Max Q Clear Time (g_c+l1), s 5.1 20.1 15.3 21.6 14.8 2.0 4.5 16.5 Green Ext Time (p_c), s 0.0 4.4 0.0 0.3 0.1 12.1 0.0 0.4 Intersection Summary HCM 6th Ctrl Delay 25.9	Approach LOS		Е			E			С			Α	
Change Period (Y+Rc), s 5.0 6.0 5.0 6.0 5.0 6.0 5.0 6.0 Max Green Setting (Gmax), s 18.0 58.0 15.0 37.0 18.0 58.0 15.0 37.0 Max Q Clear Time (g_c+l1), s 5.1 20.1 15.3 21.6 14.8 2.0 4.5 16.5 Green Ext Time (p_c), s 0.0 4.4 0.0 0.3 0.1 12.1 0.0 0.4 Intersection Summary HCM 6th Ctrl Delay 25.9	Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Max Green Setting (Gmax), s 18.0 58.0 15.0 37.0 18.0 58.0 15.0 37.0 Max Q Clear Time (g_c+l1), s 5.1 20.1 15.3 21.6 14.8 2.0 4.5 16.5 Green Ext Time (p_c), s 0.0 4.4 0.0 0.3 0.1 12.1 0.0 0.4 Intersection Summary HCM 6th Ctrl Delay 25.9	Phs Duration (G+Y+Rc), s	9.9	92.2	20.0	27.9	19.9	82.3	9.2	38.7				
Max Q Clear Time (g_c+l1), s 5.1 20.1 15.3 21.6 14.8 2.0 4.5 16.5 Green Ext Time (p_c), s 0.0 4.4 0.0 0.3 0.1 12.1 0.0 0.4 Intersection Summary HCM 6th Ctrl Delay 25.9	Change Period (Y+Rc), s	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0				
Green Ext Time (p_c), s 0.0 4.4 0.0 0.3 0.1 12.1 0.0 0.4 Intersection Summary HCM 6th Ctrl Delay 25.9	Max Green Setting (Gmax), s	18.0	58.0	15.0	37.0	18.0	58.0	15.0	37.0				
Intersection Summary HCM 6th Ctrl Delay 25.9	Max Q Clear Time (g_c+l1), s	5.1	20.1	15.3	21.6	14.8	2.0	4.5	16.5				
HCM 6th Ctrl Delay 25.9	Green Ext Time (p_c), s	0.0	4.4	0.0	0.3	0.1	12.1	0.0	0.4				
HCM 6th Ctrl Delay 25.9	Intersection Summary												
				25.9									
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Movement	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations	77	7	↑	7	1,1	^
Traffic Volume (veh/h)	259	170	30	215	104	25
Future Volume (veh/h)	259	170	30	215	104	25
Initial Q (Qb), veh	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00	1.00		1.00	1.00	
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach	No		No			No
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	282	0	33	0	113	27
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2
Cap, veh/h	598		124		357	1217
Arrive On Green	0.17	0.00	0.07	0.00	0.10	0.34
Sat Flow, veh/h	3456	1585	1870	1585	3456	3647
Grp Volume(v), veh/h	282	0	33	0	113	27
Grp Sat Flow(s),veh/h/ln	1728	1585	1870	1585	1728	1777
Q Serve(g_s), s	2.1	0.0	0.5	0.0	0.9	0.1
Cycle Q Clear(g_c), s	2.1	0.0	0.5	0.0	0.9	0.1
Prop In Lane	1.00	1.00		1.00	1.00	
Lane Grp Cap(c), veh/h	598		124		357	1217
V/C Ratio(X)	0.47		0.27		0.32	0.02
Avail Cap(c_a), veh/h	2631		1554		2392	2952
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	0.00	1.00	1.00
Uniform Delay (d), s/veh	10.8	0.0	12.8	0.0	12.0	6.3
Incr Delay (d2), s/veh	0.2	0.0	0.4	0.0	0.2	0.0
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.0	0.2	0.0	0.3	0.0
Unsig. Movement Delay, s/veh						
LnGrp Delay(d),s/veh	11.0	0.0	13.2	0.0	12.2	6.3
LnGrp LOS	В	3.0	В	3.0	В	A
Approach Vol, veh/h	282		33			140
Approach Delay, s/veh	11.0		13.2			11.1
Approach LOS	В		В			В
		_		4		
Timer - Assigned Phs	1	2		4		6
Phs Duration (G+Y+Rc), s	8.0	7.9		13.0		15.9
Change Period (Y+Rc), s	5.0	6.0		8.0		6.0
Max Green Setting (Gmax), s	20.0	24.0		22.0		24.0
Max Q Clear Time (g_c+I1), s	2.9	2.5		4.1		2.1
Green Ext Time (p_c), s	0.2	0.1		0.5		0.1
Intersection Summary						
HCM 6th Ctrl Delay			11.2			
HCM 6th LOS			В			

Unsignalized Delay for [NBR, WBR] is excluded from calculations of the approach delay and intersection delay. Educational USE Only

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Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations	*	†	7		414		*	ተተተ	7	7	ተተተ	7
Traffic Volume (veh/h)	66	19	117	68	28	33	61	1111	48	54	1829	71
Future Volume (veh/h)	66	19	117	68	28	33	61	1111	48	54	1829	71
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870	1870
Adj Flow Rate, veh/h	72	21	127	74	30	36	66	1208	52	59	1988	77
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	138	198	168	164	75	92	219	3781	1174	428	3777	1172
Arrive On Green	0.11	0.11	0.11	0.11	0.11	0.11	0.06	1.00	1.00	0.03	0.74	0.74
Sat Flow, veh/h	1335	1870	1585	1100	713	871	1781	5106	1585	1781	5106	1585
Grp Volume(v), veh/h	72	21	127	76	0	64	66	1208	52	59	1988	77
Grp Sat Flow(s),veh/h/ln	1335	1870	1585	1138	0	1545	1781	1702	1585	1781	1702	1585
Q Serve(g_s), s	8.0	1.5	11.7	8.7	0.0	5.8	1.3	0.0	0.0	1.2	24.9	2.0
Cycle Q Clear(g_c), s	13.8	1.5	11.7	10.2	0.0	5.8	1.3	0.0	0.0	1.2	24.9	2.0
Prop In Lane	1.00		1.00	0.97		0.56	1.00		1.00	1.00		1.00
Lane Grp Cap(c), veh/h	138	198	168	168	0	163	219	3781	1174	428	3777	1172
V/C Ratio(X)	0.52	0.11	0.76	0.45	0.00	0.39	0.30	0.32	0.04	0.14	0.53	0.07
Avail Cap(c_a), veh/h	237	337	285	261	0	278	289	3781	1174	498	3777	1172
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	69.0	60.7	65.2	65.2	0.0	62.6	6.9	0.0	0.0	4.1	8.3	5.3
Incr Delay (d2), s/veh	1.1	0.1	2.6	0.7	0.0	0.6	0.3	0.2	0.1	0.1	0.5	0.1
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.8	0.7	4.9	2.9	0.0	2.3	0.4	0.1	0.0	0.4	8.6	0.7
Unsig. Movement Delay, s/veh												
LnGrp Delay(d),s/veh	70.1	60.7	67.8	65.9	0.0	63.1	7.2	0.2	0.1	4.2	8.9	5.4
LnGrp LOS	Е	Е	Е	Е	Α	Е	Α	Α	Α	Α	Α	Α
Approach Vol, veh/h		220			140			1326			2124	
Approach Delay, s/veh		67.9			64.7			0.6			8.6	
Approach LOS		Е			Е			Α			Α	
Timer - Assigned Phs	1	2		4	5	6		8				
Phs Duration (G+Y+Rc), s	9.1	117.1		23.9	9.2	117.0		23.9				
Change Period (Y+Rc), s	4.5	6.0		8.0	4.5	6.0		8.0				
Max Green Setting (Gmax), s	10.5	94.0		27.0	10.5	94.0		27.0				
Max Q Clear Time (g_c+l1), s	3.2	2.0		15.8	3.3	26.9		12.2				
Green Ext Time (p_c), s	0.0	4.2		0.1	0.0	9.3		0.2				
	0.0	7.2		0.1	0.0	0.0		0.2				
Intersection Summary			44.0									
HCM 6th Ctrl Delay			11.3									
HCM 6th LOS			В									

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