HCM Unsignalized Intersection Capacity Analysis
3: Green Meadows & Forum

7/22/2016

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Sign Control		Stop			Stop			Stop			Stop	
Volume (vph)	31	29	22	92	49	227	31	438	53	211	535	36
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
Hourly flow rate (vph)	34	32	24	100	53	247	34	476	58	229	582	39

Direction, Lane #	EB 1	WB 1	NB 1	NB 2	SB 1	SB 2
Volume Total (vph)	89	400	272	296	520	330
Volume Left (vph)	34	100	34	0	229	0
Volume Right (vph)	24	247	0	58	0	39
Hadj (s)	-0.05	-0.29	0.10	-0.10	0.25	-0.05
Departure Headway (s)	8.5	6.9	7.8	7.6	7.8	7.5
Degree Utilization, x	0.21	0.77	0.59	0.62	1.0	0.69
Capacity (veh/h)	381	400	447	459	462	471
Control Delay (s)	13.7	29.3	20.2	21.2	106.6	24.0
Approach Delay (s)	13.7	29.3	20.7		74.6	
Approach LOS	B	D	C		F	

Intersection Summary			
Delay	46.2		
Level of Service	E		
Intersection Capacity Utilization	71.7%	ICU Level of Service	C
Analysis Period (min)	15		