







HCM 7th TWSC  
16: NC Hwy 96 E & NC 96 Bypass

06/10/2024

Intersection

Int Delay, s/veh 8.5

Movement	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Vol, veh/h	85	557	281	79	143	85
Future Vol, veh/h	85	557	281	79	143	85
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	125	-	-	-	-	125
Veh in Median Storage, #	-	0	0	-	0	-
Grade, %	-	0	0	-	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	94	619	312	88	159	94

Major/Minor	Major1	Major2	Minor2
Conflicting Flow All	400	0	0 1120 312
Stage 1	-	-	- - 312 -
Stage 2	-	-	- - 808 -
Critical Hdwy	4.12	-	- - 6.42 6.22
Critical Hdwy Stg 1	-	-	- - 5.42 -
Critical Hdwy Stg 2	-	-	- - 5.42 -
Follow-up Hdwy	2.218	-	- - 3.518 3.318
Pot Cap-1 Maneuver	1159	-	- - 228 728
Stage 1	-	-	- - 742 -
Stage 2	-	-	- - 439 -
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	1159	-	- - 210 728
Mov Cap-2 Maneuver	-	-	- - 210 -
Stage 1	-	-	- - 682 -
Stage 2	-	-	- - 439 -

Approach	EB	WB	SB
HCM Control Delay, s/v	1.11	0	42.56
HCM LOS			E

Minor Lane/Major Mvmt	EBL	EBT	WBT	WBR	SBLn1	SBLn2
Capacity (veh/h)	1159	-	-	-	210	728
HCM Lane V/C Ratio	0.082	-	-	-	0.757	0.13
HCM Control Delay (s/veh)	8.4	-	-	-	61.5	10.7
HCM Lane LOS	A	-	-	-	F	B
HCM 95th %tile Q(veh)	0.3	-	-	-	5.2	0.4