







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

06/10/2024

Intersection

Int Delay, s/veh 10.4

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations						
Traffic Vol, veh/h	98	417	325	111	83	59
Future Vol, veh/h	98	417	325	111	83	59
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	125	0	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	109	463	361	123	92	66

Major/Minor	Minor2	Major1	Major2
Conflicting Flow All	938	92	158
Stage 1	92	-	-
Stage 2	846	-	-
Critical Hdwy	6.42	6.22	4.12
Critical Hdwy Stg 1	5.42	-	-
Critical Hdwy Stg 2	5.42	-	-
Follow-up Hdwy	3.518	3.318	2.218
Pot Cap-1 Maneuver	294	965	1422
Stage 1	931	-	-
Stage 2	421	-	-
Platoon blocked, %			
Mov Cap-1 Maneuver	219	965	1422
Mov Cap-2 Maneuver	219	-	-
Stage 1	695	-	-
Stage 2	421	-	-

Approach	EB	NB	SB
HCM Control Delay, s/v	16.8	6.26	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1422	-	219	965	-	-
HCM Lane V/C Ratio	0.254	-	0.497	0.48	-	-
HCM Control Delay (s/veh)	8.4	-	36.7	12.1	-	-
HCM Lane LOS	A	-	E	B	-	-
HCM 95th %tile Q(veh)	1	-	2.5	2.7	-	-