







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

06/10/2024

Intersection

Int Delay, s/veh 12

Movement	EBL	EBR	NBL	NBT	SBT	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	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	94	619	312	88	159	94

Major/Minor	Minor2	Major1	Major2
Conflicting Flow All	871	159	253
Stage 1	159	-	-
Stage 2	712	-	-
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	321	886	1312
Stage 1	870	-	-
Stage 2	486	-	-
Platoon blocked, %			
Mov Cap-1 Maneuver	245	886	1312
Mov Cap-2 Maneuver	245	-	-
Stage 1	663	-	-
Stage 2	486	-	-

Approach	EB	NB	SB
HCM Control Delay, s/v19.31		6.71	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	EBLn2	SBT	SBR
Capacity (veh/h)	1312	-	245	886	-	-
HCM Lane V/C Ratio	0.238	-	0.386	0.698	-	-
HCM Control Delay (s/veh)	8.6	-	28.6	17.9	-	-
HCM Lane LOS	A	-	D	C	-	-
HCM 95th %tile Q(veh)	0.9	-	1.7	5.9	-	-