







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

06/10/2024

Intersection

Int Delay, s/veh 3.7

| Movement | EBL | EBT | WBT | WBR | SBL | 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 | 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 | 109 | 463 | 361 | 123 | 92 | 66 |

| Major/Minor | Major1 | Major2 | Minor2 |
|----------------------|--------|--------|-----------------|
| Conflicting Flow All | 484 | 0 | 0 1042 361 |
| Stage 1 | - | - | - - 361 - |
| Stage 2 | - | - | - - 681 - |
| 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 | 1078 | - | - - 254 683 |
| Stage 1 | - | - | - - 705 - |
| Stage 2 | - | - | - - 503 - |
| Platoon blocked, % | - | - | - |
| Mov Cap-1 Maneuver | 1078 | - | - - 229 683 |
| Mov Cap-2 Maneuver | - | - | - - 229 - |
| Stage 1 | - | - | - - 634 - |
| Stage 2 | - | - | - - 503 - |

| Approach | EB | WB | SB |
|------------------------|------|----|-------|
| HCM Control Delay, s/v | 1.66 | 0 | 22.62 |
| HCM LOS | | | C |

| Minor Lane/Major Mvmt | EBL | EBT | WBT | WBR | SBLn1 | SBLn2 |
|---------------------------|-------|-----|-----|-----|-------|-------|
| Capacity (veh/h) | 1078 | - | - | - | 229 | 683 |
| HCM Lane V/C Ratio | 0.101 | - | - | - | 0.403 | 0.096 |
| HCM Control Delay (s/veh) | 8.7 | - | - | - | 31 | 10.8 |
| HCM Lane LOS | A | - | - | - | D | B |
| HCM 95th %tile Q(veh) | 0.3 | - | - | - | 1.8 | 0.3 |