



Improved (2024) PM.syn
VHB

Synchro 10 Report
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Aura Chapel Hill TIA
9: Estes Dr & Future Access #2

Improved (2024) PM
12/23/2020

						
Lane Group	EBL	EBT	WBT	WBR	SBL	SBR
Lane Configurations						
Traffic Volume (vph)	55	754	941	51	37	26
Future Volume (vph)	55	754	941	51	37	26
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Storage Length (ft)	100			100	100	0
Storage Lanes	1			1	1	1
Taper Length (ft)	100				100	
Lane Util. Factor	1.00	1.00	1.00	1.00	1.00	1.00
Frt				0.850		0.850
Flt Protected	0.950				0.950	
Satd. Flow (prot)	1770	1863	1863	1583	1770	1583
Flt Permitted	0.950				0.950	
Satd. Flow (perm)	1770	1863	1863	1583	1770	1583
Link Speed (mph)		35	35		25	
Link Distance (ft)		941	630		397	
Travel Time (s)		18.3	12.3		10.8	
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90
Adj. Flow (vph)	61	838	1046	57	41	29
Shared Lane Traffic (%)						
Lane Group Flow (vph)	61	838	1046	57	41	29
Sign Control		Free	Free		Stop	

Intersection Summary

Area Type: Other

Control Type: Unsignalized

Intersection Capacity Utilization 59.5%

Analysis Period (min) 15

ICU Level of Service B