

Appendix G: 2030 No Build Analysis

Washington St at Hanover St
No Build

AM
09/22/2023

Intersection												
Int Delay, s/veh	7.7											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕				
Traffic Vol, veh/h	67	370	77	131	294	41	19	96	25	0	0	0
Future Vol, veh/h	67	370	77	131	294	41	19	96	25	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	78	430	90	152	342	48	22	112	29	0	0	0

Major/Minor	Major1			Major2			Minor1		
Conflicting Flow All	390	0	0	520	0	0	1301	1325	475
Stage 1	-	-	-	-	-	-	631	631	-
Stage 2	-	-	-	-	-	-	670	694	-
Critical Hdwy	4.12	-	-	4.12	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	1169	-	-	1046	-	-	178	156	590
Stage 1	-	-	-	-	-	-	530	474	-
Stage 2	-	-	-	-	-	-	509	444	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1169	-	-	1046	-	-	131	0	590
Mov Cap-2 Maneuver	-	-	-	-	-	-	131	0	-
Stage 1	-	-	-	-	-	-	480	0	-
Stage 2	-	-	-	-	-	-	414	0	-

Approach	EB			WB			NB		
HCM Control Delay, s	1.1			2.5			48.9		
HCM LOS							E		

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR
Capacity (veh/h)	235	1169	-	-	1046	-	-
HCM Lane V/C Ratio	0.693	0.067	-	-	0.146	-	-
HCM Control Delay (s)	48.9	8.3	0	-	9	0	-
HCM Lane LOS	E	A	A	-	A	A	-
HCM 95th %tile Q(veh)	4.5	0.2	-	-	0.5	-	-

Washington St at Hanover St
No Build

PM
09/22/2023

Intersection												
Int Delay, s/veh	15.6											
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↕			↕			↕				
Traffic Vol, veh/h	77	309	63	80	386	82	22	180	48	0	0	0
Future Vol, veh/h	77	309	63	80	386	82	22	180	48	0	0	0
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Free	Free	Stop	Stop	Stop	Stop	Stop	Stop
RT Channelized	-	-	None	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	-	-	-	-	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-	-	0	-
Peak Hour Factor	92	92	92	92	92	92	92	92	92	92	92	92
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2	2	2	2
Mvmt Flow	90	359	73	93	449	95	26	209	56	0	0	0

Major/Minor	Major1			Major2			Minor1		
Conflicting Flow All	544	0	0	432	0	0	1259	1306	396
Stage 1	-	-	-	-	-	-	576	576	-
Stage 2	-	-	-	-	-	-	683	730	-
Critical Hdwy	4.12	-	-	4.12	-	-	6.42	6.52	6.22
Critical Hdwy Stg 1	-	-	-	-	-	-	5.42	5.52	-
Critical Hdwy Stg 2	-	-	-	-	-	-	5.42	5.52	-
Follow-up Hdwy	2.218	-	-	2.218	-	-	3.518	4.018	3.318
Pot Cap-1 Maneuver	1025	-	-	1128	-	-	188	~ 160	653
Stage 1	-	-	-	-	-	-	562	502	-
Stage 2	-	-	-	-	-	-	502	428	-
Platoon blocked, %	-	-	-	-	-	-	-	-	-
Mov Cap-1 Maneuver	1025	-	-	1128	-	-	146	0	653
Mov Cap-2 Maneuver	-	-	-	-	-	-	146	0	-
Stage 1	-	-	-	-	-	-	496	0	-
Stage 2	-	-	-	-	-	-	442	0	-

Approach	EB			WB			NB		
HCM Control Delay, s	1.5			1.2			72.5		
HCM LOS							F		

Minor Lane/Major Mvmt	NBLn1	EBL	EBT	EBR	WBL	WBT	WBR
Capacity (veh/h)	312	1025	-	-	1128	-	-
HCM Lane V/C Ratio	0.932	0.087	-	-	0.082	-	-
HCM Control Delay (s)	72.5	8.8	0	-	8.5	0	-
HCM Lane LOS	F	A	A	-	A	A	-
HCM 95th %tile Q(veh)	9.2	0.3	-	-	0.3	-	-

Notes
 -: Volume exceeds capacity \$: Delay exceeds 300s +: Computation Not Defined *: All major volume in platoon