

Lanes, Volumes, Timings
1: BENAVIDES

19/10/2018



Lane Group	WBL	WBR	NBT	NBR	SBL	SBT
Lane Configurations		↑↑	↑↑↑			
Volume (vph)	0	172	921	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	0.88	0.91	1.00	1.00	1.00
Frt		0.850				
Flt Protected						
Satd. Flow (prot)	0	2787	3602	0	0	0
Flt Permitted						
Satd. Flow (perm)	0	2787	3602	0	0	0
Link Speed (k/h)	50		50			50
Link Distance (m)	87.9		39.6			28.6
Travel Time (s)	6.3		2.9			2.1
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	2%	44%	2%	2%	2%
Adj. Flow (vph)	0	187	1001	0	0	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	187	1001	0	0	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Right	Left	Left
Median Width(m)	0.0		0.0			0.0
Link Offset(m)	0.0		0.0			0.0
Crosswalk Width(m)	4.8		4.8			4.8
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (k/h)	25	15		15	25	
Sign Control	Stop		Free			Free

Intersection Summary	
Area Type:	Other
Control Type:	Unsignalized
Intersection Capacity Utilization	30.5%
	ICU Level of Service A
Analysis Period (min)	15

Lanes, Volumes, Timings

2:

19/10/2018

	↑	↗	↘	↓	↙	↖
Lane Group	NBT	NBR	SBL	SBT	SWL	SWR
Lane Configurations	↑↑↑↘					
Volume (vph)	903	96	0	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	0.91	0.91	1.00	1.00	1.00	1.00
Frt	0.986					
Flt Protected						
Satd. Flow (prot)	3646	0	0	0	0	0
Flt Permitted						
Satd. Flow (perm)	3646	0	0	0	0	0
Link Speed (k/h)	50			50	50	
Link Distance (m)	63.4			54.5	95.8	
Travel Time (s)	4.6			3.9	6.9	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	44%	5%	2%	2%	2%	2%
Adj. Flow (vph)	982	104	0	0	0	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	1086	0	0	0	0	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(m)	0.0			0.0	0.0	
Link Offset(m)	0.0			0.0	0.0	
Crosswalk Width(m)	4.8			4.8	4.8	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (k/h)	15		25	25		15
Sign Control	Free			Free	Stop	
Intersection Summary						
Area Type:	Other					
Control Type:	Unsignalized					
Intersection Capacity Utilization	22.9%			ICU Level of Service A		
Analysis Period (min)	15					

Lanes, Volumes, Timings

3:

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Lane Group	EBL	EBR	NBL	NBT	SBT	SBR
Lane Configurations					↑↑↑	
Volume (vph)	0	0	0	0	1152	54
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	0.91	0.91
Frt					0.993	
Flt Protected						
Satd. Flow (prot)	0	0	0	0	4872	0
Flt Permitted						
Satd. Flow (perm)	0	0	0	0	4872	0
Link Speed (k/h)	50			50	50	
Link Distance (m)	106.4			39.5	36.2	
Travel Time (s)	7.7			2.8	2.6	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	2%	2%	2%	6%	0%
Adj. Flow (vph)	0	0	0	0	1252	59
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	0	0	0	1311	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(m)	0.0			0.0	0.0	
Link Offset(m)	0.0			0.0	0.0	
Crosswalk Width(m)	4.8			4.8	4.8	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (k/h)	25	15	25			15
Sign Control	Stop			Free	Free	

Intersection Summary	
Area Type:	Other
Control Type:	Unsignalized
Intersection Capacity Utilization	26.8%
	ICU Level of Service A
Analysis Period (min)	15

Lanes, Volumes, Timings

4:

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Lane Group	NBL	NBT	SBT	SBR	SEL	SER
Lane Configurations			↑↑↑			↑↑
Volume (vph)	0	0	1170	0	0	144
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	0.91	1.00	1.00	0.88
Frt						0.850
Flt Protected						
Satd. Flow (prot)	0	0	4893	0	0	2787
Flt Permitted						
Satd. Flow (perm)	0	0	4893	0	0	2787
Link Speed (k/h)		50	50		50	
Link Distance (m)		74.0	64.0		107.2	
Travel Time (s)		5.3	4.6		7.7	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	2%	6%	2%	2%	2%
Adj. Flow (vph)	0	0	1272	0	0	157
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	0	1272	0	0	157
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(m)		0.0	0.0		0.0	
Link Offset(m)		0.0	0.0		0.0	
Crosswalk Width(m)		4.8	4.8		4.8	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (k/h)	25			15	25	15
Sign Control		Free	Free		Stop	

Intersection Summary

Area Type:	Other
Control Type:	Unsignalized
Intersection Capacity Utilization	34.3%
ICU Level of Service	A
Analysis Period (min)	15

Lanes, Volumes, Timings

5:

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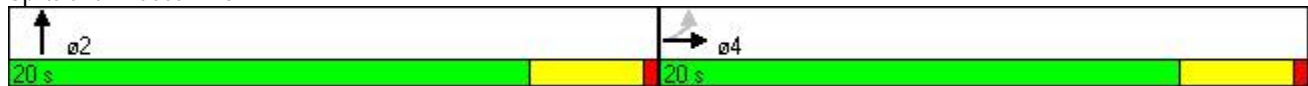


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑						↑↑↑				
Volume (vph)	20	866	0	0	0	0	0	903	0	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	0.91	0.91	1.00	1.00	1.00	1.00	1.00	0.91	1.00	1.00	1.00	1.00
Frt												
Flt Protected		0.999										
Satd. Flow (prot)	0	4516	0	0	0	0	0	3602	0	0	0	0
Flt Permitted		0.999										
Satd. Flow (perm)	0	4516	0	0	0	0	0	3602	0	0	0	0
Right Turn on Red	Yes		Yes				Yes		Yes			Yes
Satd. Flow (RTOR)		10										
Link Speed (k/h)		50			50			50				50
Link Distance (m)		17.5			69.4			54.5				21.4
Travel Time (s)		1.3			5.0			3.9				1.5
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	4%	15%	2%	2%	2%	2%	2%	44%	2%	2%	2%	2%
Adj. Flow (vph)	22	941	0	0	0	0	0	982	0	0	0	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	963	0	0	0	0	0	982	0	0	0	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(m)		0.0			0.0			0.0				0.0
Link Offset(m)		0.0			0.0			0.0				0.0
Crosswalk Width(m)		4.8			4.8			4.8				4.8
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (k/h)	25		15	25		15	25		15	25		15
Turn Type	Perm	NA						NA				
Protected Phases		4						2				
Permitted Phases	4											
Minimum Split (s)	20.0	20.0						20.0				
Total Split (s)	20.0	20.0						20.0				
Total Split (%)	50.0%	50.0%						50.0%				
Maximum Green (s)	16.0	16.0						16.0				
Yellow Time (s)	3.5	3.5						3.5				
All-Red Time (s)	0.5	0.5						0.5				
Lost Time Adjust (s)		0.0						0.0				
Total Lost Time (s)		4.0						4.0				
Lead/Lag												
Lead-Lag Optimize?												
Walk Time (s)	5.0	5.0						5.0				
Flash Dont Walk (s)	11.0	11.0						11.0				
Pedestrian Calls (#/hr)	0	0						0				
Act Effct Green (s)		16.0						16.0				
Actuated g/C Ratio		0.40						0.40				
v/c Ratio		0.53						0.68				
Control Delay		1.7						12.9				
Queue Delay		0.0						0.0				
Total Delay		1.7						12.9				
LOS		A						B				
Approach Delay		1.7						12.9				
Approach LOS		A						B				

Intersection Summary

Area Type:	Other
Cycle Length:	40
Actuated Cycle Length:	40
Offset:	0 (0%), Referenced to phase 2:NBT and 6:, Start of Green
Natural Cycle:	40
Control Type:	Pretimed
Maximum v/c Ratio:	0.68
Intersection Signal Delay:	7.3
Intersection Capacity Utilization	41.3%
Analysis Period (min)	15
Intersection LOS:	A
ICU Level of Service	A

Splits and Phases: 5:



Lanes, Volumes, Timings

6:

19/10/2018

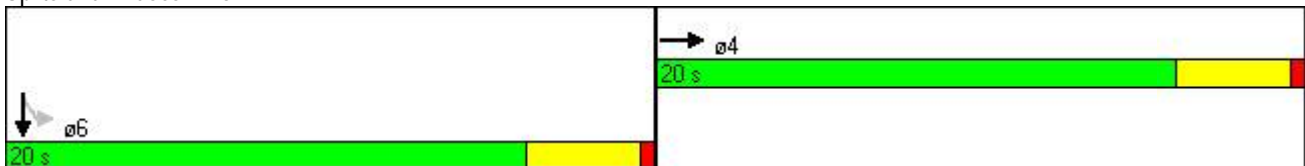


Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations		↑↑↑									↑↑↑	
Volume (vph)	0	882	0	0	0	0	0	0	0	4	1170	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	0.91	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.91	0.91	1.00
Frt												
Flt Protected												
Satd. Flow (prot)	0	4510	0	0	0	0	0	0	0	0	4894	0
Flt Permitted												
Satd. Flow (perm)	0	4510	0	0	0	0	0	0	0	0	4894	0
Right Turn on Red			Yes			Yes			Yes	Yes		Yes
Satd. Flow (RTOR)												1
Link Speed (k/h)		50			50			50			50	
Link Distance (m)		89.7			17.5			64.0			15.9	
Travel Time (s)		6.5			1.3			4.6			1.1	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	15%	2%	2%	2%	2%	2%	2%	2%	0%	6%	2%
Adj. Flow (vph)	0	959	0	0	0	0	0	0	0	4	1272	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	959	0	0	0	0	0	0	0	0	1276	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(m)		0.0			0.0			0.0			0.0	
Link Offset(m)		0.0			0.0			0.0			0.0	
Crosswalk Width(m)		4.8			4.8			4.8			4.8	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (k/h)	25		15	25		15	25		15	25		15
Turn Type		NA								Perm	NA	
Protected Phases		4									6	
Permitted Phases										6		
Minimum Split (s)		20.0								20.0	20.0	
Total Split (s)		20.0								20.0	20.0	
Total Split (%)		50.0%								50.0%	50.0%	
Maximum Green (s)		16.0								16.0	16.0	
Yellow Time (s)		3.5								3.5	3.5	
All-Red Time (s)		0.5								0.5	0.5	
Lost Time Adjust (s)		0.0									0.0	
Total Lost Time (s)		4.0									4.0	
Lead/Lag												
Lead-Lag Optimize?												
Walk Time (s)		5.0								5.0	5.0	
Flash Dont Walk (s)		11.0								11.0	11.0	
Pedestrian Calls (#/hr)		0								0	0	
Act Effct Green (s)		16.0								16.0	16.0	
Actuated g/C Ratio		0.40								0.40	0.40	
v/c Ratio		0.53								0.65	0.65	
Control Delay		10.5								2.2	2.2	
Queue Delay		0.0								0.0	0.0	
Total Delay		10.5								2.2	2.2	
LOS		B								A	A	
Approach Delay		10.5								2.2	2.2	
Approach LOS		B								A	A	

Intersection Summary

Area Type:	Other		
Cycle Length:	40		
Actuated Cycle Length:	40		
Offset:	0 (0%), Referenced to phase 2: and 6:SBTL, Start of Green		
Natural Cycle:	40		
Control Type:	Pretimed		
Maximum v/c Ratio:	0.65		
Intersection Signal Delay:	5.8	Intersection LOS:	A
Intersection Capacity Utilization	46.4%	ICU Level of Service	A
Analysis Period (min)	15		

Splits and Phases: 6:



Lanes, Volumes, Timings

7:

19/10/2018



Lane Group	EBT	EBR	WBL	WBT	NWL	NWR
Lane Configurations	↑↑↑					
Volume (vph)	882	144	0	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	0.91	0.91	1.00	1.00	1.00	1.00
Frt	0.979					
Flt Protected						
Satd. Flow (prot)	4493	0	0	0	0	0
Flt Permitted						
Satd. Flow (perm)	4493	0	0	0	0	0
Link Speed (k/h)	50			50	50	
Link Distance (m)	57.6			89.7	107.2	
Travel Time (s)	4.1			6.5	7.7	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	15%	1%	2%	2%	2%	2%
Adj. Flow (vph)	959	157	0	0	0	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	1116	0	0	0	0	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(m)	0.0			0.0	0.0	
Link Offset(m)	0.0			0.0	0.0	
Crosswalk Width(m)	4.8			4.8	4.8	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (k/h)	15		25	25		15
Sign Control	Free			Free	Stop	

Intersection Summary

Area Type:	Other
Control Type:	Unsignalized
Intersection Capacity Utilization	23.6%
	ICU Level of Service A
Analysis Period (min)	15

Lanes, Volumes, Timings
8: SANTA ROSA

19/10/2018



Lane Group	EBT	EBR	WBL	WBT	NEL	NER
Lane Configurations	↑↑↑					↑↑
Volume (vph)	866	0	0	0	0	96
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	0.91	1.00	1.00	1.00	1.00	0.88
Frt						0.850
Flt Protected						
Satd. Flow (prot)	4510	0	0	0	0	2787
Flt Permitted						
Satd. Flow (perm)	4510	0	0	0	0	2787
Link Speed (k/h)	50			50	50	
Link Distance (m)	69.4			83.1	95.8	
Travel Time (s)	5.0			6.0	6.9	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	15%	2%	2%	2%	2%	2%
Adj. Flow (vph)	941	0	0	0	0	104
Shared Lane Traffic (%)						
Lane Group Flow (vph)	941	0	0	0	0	104
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Right	Left	Left	Left	Right
Median Width(m)	0.0			0.0	0.0	
Link Offset(m)	0.0			0.0	0.0	
Crosswalk Width(m)	4.8			4.8	4.8	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (k/h)		15	25		25	15
Sign Control	Free			Free	Stop	

Intersection Summary

Area Type:	Other
Control Type:	Unsignalized
Intersection Capacity Utilization	26.8%
ICU Level of Service	A
Analysis Period (min)	15

Lanes, Volumes, Timings

9:

19/10/2018



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations					↑↑↑			↑↑↑				
Volume (vph)	0	0	0	0	792	0	2	921	0	0	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	1.00	0.91	1.00	0.91	0.91	1.00	1.00	1.00	1.00
Frt												
Flt Protected												
Satd. Flow (prot)	0	0	0	0	4433	0	0	3604	0	0	0	0
Flt Permitted												
Satd. Flow (perm)	0	0	0	0	4433	0	0	3604	0	0	0	0
Right Turn on Red			Yes			Yes	Yes		Yes			Yes
Satd. Flow (RTOR)								1				
Link Speed (k/h)		50			50			50				50
Link Distance (m)		17.8			81.7			21.4				39.6
Travel Time (s)		1.3			5.9			1.5				2.9
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	2%	2%	2%	17%	2%	2%	44%	2%	2%	2%	2%
Adj. Flow (vph)	0	0	0	0	861	0	2	1001	0	0	0	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	0	0	0	861	0	0	1003	0	0	0	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(m)		0.0			0.0			0.0				0.0
Link Offset(m)		0.0			0.0			0.0				0.0
Crosswalk Width(m)		4.8			4.8			4.8				4.8
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (k/h)	25		15	25		15	25		15	25		15
Turn Type					NA		Perm	NA				
Protected Phases					8			2				
Permitted Phases							2					
Minimum Split (s)					20.0		20.0	20.0				
Total Split (s)					20.0		20.0	20.0				
Total Split (%)					50.0%		50.0%	50.0%				
Maximum Green (s)					16.0		16.0	16.0				
Yellow Time (s)					3.5		3.5	3.5				
All-Red Time (s)					0.5		0.5	0.5				
Lost Time Adjust (s)					0.0			0.0				
Total Lost Time (s)					4.0			4.0				
Lead/Lag												
Lead-Lag Optimize?												
Walk Time (s)					5.0		5.0	5.0				
Flash Dont Walk (s)					11.0		11.0	11.0				
Pedestrian Calls (#/hr)					0		0	0				
Act Effct Green (s)					16.0			16.0				
Actuated g/C Ratio					0.40			0.40				
v/c Ratio					0.49			0.70				
Control Delay					10.1			3.2				
Queue Delay					0.0			0.0				
Total Delay					10.1			3.2				
LOS					B			A				
Approach Delay					10.1			3.2				
Approach LOS					B			A				

Lanes, Volumes, Timings

9:

19/10/2018

Intersection Summary

Area Type: Other

Cycle Length: 40

Actuated Cycle Length: 40

Offset: 0 (0%), Referenced to phase 2:NBTL and 6:, Start of Green

Natural Cycle: 40

Control Type: Pretimed

Maximum v/c Ratio: 0.70

Intersection Signal Delay: 6.4

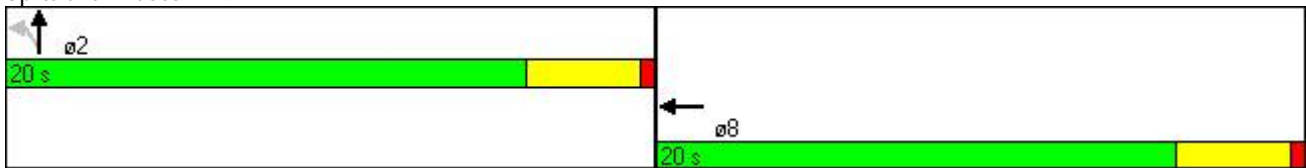
Intersection LOS: A

Intersection Capacity Utilization 39.8%

ICU Level of Service A

Analysis Period (min) 15

Splits and Phases: 9:



Lanes, Volumes, Timings

10:

19/10/2018



Lane Group	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations					↑↑↑↑						↑↑↑↑	
Volume (vph)	0	0	0	22	772	0	0	0	0	0	1152	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	1.00	0.91	0.91	1.00	1.00	1.00	1.00	1.00	0.91	1.00
Frt												
Flt Protected					0.999							
Satd. Flow (prot)	0	0	0	0	4447	0	0	0	0	0	4893	0
Flt Permitted					0.999							
Satd. Flow (perm)	0	0	0	0	4447	0	0	0	0	0	4893	0
Right Turn on Red			Yes	Yes		Yes			Yes			Yes
Satd. Flow (RTOR)					12							
Link Speed (k/h)		50			50			50			50	
Link Distance (m)		91.0			17.8			15.9			39.5	
Travel Time (s)		6.6			1.3			1.1			2.8	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	2%	2%	0%	17%	2%	2%	2%	2%	2%	6%	2%
Adj. Flow (vph)	0	0	0	24	839	0	0	0	0	0	1252	0
Shared Lane Traffic (%)												
Lane Group Flow (vph)	0	0	0	0	863	0	0	0	0	0	1252	0
Enter Blocked Intersection	No	No	No	No	No	No	No	No	No	No	No	No
Lane Alignment	Left	Left	Right	Left	Left	Right	Left	Left	Right	Left	Left	Right
Median Width(m)		0.0			0.0			0.0			0.0	
Link Offset(m)		0.0			0.0			0.0			0.0	
Crosswalk Width(m)		4.8			4.8			4.8			4.8	
Two way Left Turn Lane												
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (k/h)	25		15	25		15	25		15	25		15
Turn Type				Perm	NA							NA
Protected Phases					8							6
Permitted Phases					8							
Minimum Split (s)				20.0	20.0						20.0	
Total Split (s)				20.0	20.0						20.0	
Total Split (%)				50.0%	50.0%						50.0%	
Maximum Green (s)				16.0	16.0						16.0	
Yellow Time (s)				3.5	3.5						3.5	
All-Red Time (s)				0.5	0.5						0.5	
Lost Time Adjust (s)					0.0						0.0	
Total Lost Time (s)					4.0						4.0	
Lead/Lag												
Lead-Lag Optimize?												
Walk Time (s)				5.0	5.0						5.0	
Flash Dont Walk (s)				11.0	11.0						11.0	
Pedestrian Calls (#/hr)				0	0						0	
Act Effct Green (s)					16.0						16.0	
Actuated g/C Ratio					0.40						0.40	
v/c Ratio					0.48						0.64	
Control Delay					1.5						11.5	
Queue Delay					0.0						0.0	
Total Delay					1.5						11.5	
LOS					A						B	
Approach Delay					1.5						11.5	
Approach LOS					A						B	

Lanes, Volumes, Timings

10:

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Intersection Summary

Area Type: Other

Cycle Length: 40

Actuated Cycle Length: 40

Offset: 0 (0%), Referenced to phase 2: and 6:SBT, Start of Green

Natural Cycle: 40

Control Type: Pretimed

Maximum v/c Ratio: 0.64

Intersection Signal Delay: 7.4

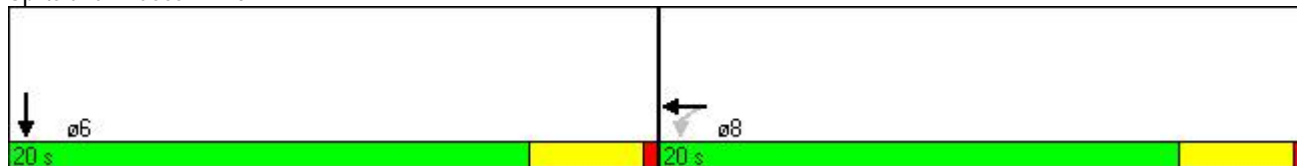
Intersection LOS: A

Intersection Capacity Utilization 44.3%

ICU Level of Service A

Analysis Period (min) 15

Splits and Phases: 10:



Lanes, Volumes, Timings

11:

19/10/2018



Lane Group	EBL	EBT	WBT	WBR	SWL	SWR
Lane Configurations			↑↑↑			↑↑
Volume (vph)	0	0	772	0	0	54
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	0.91	1.00	1.00	0.88
Frt						0.850
Flt Protected						
Satd. Flow (prot)	0	0	4433	0	0	2787
Flt Permitted						
Satd. Flow (perm)	0	0	4433	0	0	2787
Link Speed (k/h)		50	50		50	
Link Distance (m)		67.0	91.0		106.4	
Travel Time (s)		4.8	6.6		7.7	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	2%	17%	2%	2%	2%
Adj. Flow (vph)	0	0	839	0	0	59
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	0	839	0	0	59
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(m)		0.0	0.0		0.0	
Link Offset(m)		0.0	0.0		0.0	
Crosswalk Width(m)		4.8	4.8		4.8	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (k/h)	25			15	25	15
Sign Control		Free	Free		Stop	

Intersection Summary

Area Type:	Other
Control Type:	Unsignalized
Intersection Capacity Utilization	24.9%
ICU Level of Service	A
Analysis Period (min)	15

Lanes, Volumes, Timings

12:

19/10/2018



Lane Group	EBL	EBT	WBT	WBR	SEL	SER
Lane Configurations			↑↑↑			
Volume (vph)	0	0	792	172	0	0
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	1.00	0.91	0.91	1.00	1.00
Frt			0.973			
Flt Protected						
Satd. Flow (prot)	0	0	4374	0	0	0
Flt Permitted						
Satd. Flow (perm)	0	0	4374	0	0	0
Link Speed (k/h)		50	50		50	
Link Distance (m)		81.7	66.6		87.9	
Travel Time (s)		5.9	4.8		6.3	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	2%	2%	17%	8%	2%	2%
Adj. Flow (vph)	0	0	861	187	0	0
Shared Lane Traffic (%)						
Lane Group Flow (vph)	0	0	1048	0	0	0
Enter Blocked Intersection	No	No	No	No	No	No
Lane Alignment	Left	Left	Left	Right	Left	Right
Median Width(m)		0.0	0.0		0.0	
Link Offset(m)		0.0	0.0		0.0	
Crosswalk Width(m)		4.8	4.8		4.8	
Two way Left Turn Lane						
Headway Factor	1.00	1.00	1.00	1.00	1.00	1.00
Turning Speed (k/h)	25			15	25	15
Sign Control		Free	Free		Stop	

Intersection Summary	
Area Type:	Other
Control Type:	Unsignalized
Intersection Capacity Utilization	22.5%
	ICU Level of Service A
Analysis Period (min)	15