

Lanes, Volumes, Timings  
4: Santa Rosa & Argentina

19/10/2018



Lane Group	EBU	EBT	EBR	WBL	WBT	NBU	NBL	NBR
Lane Configurations								
Volume (vph)	1	866	1	436	626	1	225	225
Ideal Flow (vphpl)	1900	1900	1900	1900	1900	1900	1900	1900
Lane Util. Factor	1.00	0.95	0.95	0.91	0.91	1.00	1.00	0.91
Frt							0.986	0.850
Flt Protected	0.950			0.950	0.987		0.957	
Satd. Flow (prot)	1805	2778	0	1579	2703	0	1470	2854
Flt Permitted	0.235			0.235	0.566		0.957	
Satd. Flow (perm)	446	2778	0	391	1550	0	1470	2854
Right Turn on Red			Yes					Yes
Satd. Flow (RTOR)							16	84
Link Speed (k/h)		50			50		50	
Link Distance (m)		115.9			137.6		131.2	
Travel Time (s)		8.3			9.9		9.4	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
Heavy Vehicles (%)	0%	30%	0%	4%	34%	0%	24%	3%
Adj. Flow (vph)	1	941	1	474	680	1	245	245
Shared Lane Traffic (%)				50%				10%
Lane Group Flow (vph)	1	942	0	237	917	0	271	220
Enter Blocked Intersection	No	No	No	No	No	No	No	No
Lane Alignment	R NA	Left	Right	Left	Left	R NA	Left	Right
Median Width(m)		8.0			8.0		8.0	
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	1.00	1.00
Turning Speed (k/h)	15		15	25		15	25	15
Turn Type	Perm	NA		Perm	NA	Perm	NA	Perm
Protected Phases		4			8		2	
Permitted Phases	4			8		2		2
Minimum Split (s)	20.0	20.0		20.0	20.0	22.5	22.5	22.5
Total Split (s)	20.0	20.0		20.0	20.0	22.5	22.5	22.5
Total Split (%)	47.1%	47.1%		47.1%	47.1%	52.9%	52.9%	52.9%
Maximum Green (s)	17.0	17.0		17.0	17.0	19.5	19.5	19.5
Yellow Time (s)	3.0	3.0		3.0	3.0	3.0	3.0	3.0
All-Red Time (s)	0.0	0.0		0.0	0.0	0.0	0.0	0.0
Lost Time Adjust (s)	0.0	0.0		0.0	0.0		0.0	0.0
Total Lost Time (s)	3.0	3.0		3.0	3.0		3.0	3.0
Lead/Lag								
Lead-Lag Optimize?								
Walk Time (s)	5.0	5.0		5.0	5.0	5.0	5.0	5.0
Flash Dont Walk (s)	11.0	11.0		11.0	11.0	11.0	11.0	11.0
Pedestrian Calls (#/hr)	0	0		0	0	0	0	0
Act Effct Green (s)	17.0	17.0		17.0	17.0		19.5	19.5
Actuated g/C Ratio	0.40	0.40		0.40	0.40		0.46	0.46
v/c Ratio	0.01	0.85		1.52	1.48		0.40	0.16
Control Delay	8.0	21.8		285.1	243.5		9.3	4.7
Queue Delay	0.0	0.0		0.0	0.0		0.0	0.0
Total Delay	8.0	21.8		285.1	243.5		9.3	4.7
LOS	A	C		F	F		A	A
Approach Delay		21.7			252.1		7.2	
Approach LOS		C			F		A	

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

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### Intersection Summary

Area Type:	Other
Cycle Length:	42.5
Actuated Cycle Length:	42.5
Offset:	0 (0%), Referenced to phase 2:NBL and 6:, Start of Green
Natural Cycle:	75
Control Type:	Pretimed
Maximum v/c Ratio:	1.52
Intersection Signal Delay:	121.7
Intersection LOS:	F
Intersection Capacity Utilization	69.2%
ICU Level of Service	C
Analysis Period (min)	15

### Splits and Phases: 4: Santa Rosa & Argentina

 2 22.5 s	 4 20 s
	 8 20 s