Summary of All Intervals

Start Time	7:59
End Time	9:00
Total Time (min)	61
Time Recorded (min)	60
# of Intervals	2
# of Recorded mScheduledIntervals	1
Vehs Entered	7515
Vehs Exited	6790
Starting Vehs	177
Ending Vehs	902
Denied Entry Before	3
Denied Entry After	3253
Travel Distance (km)	6738
Travel Time (hr)	1742.0
Total Delay (hr)	1606.2
Total Stops	14218
Fuel Used (l)	1958.7

Interval #0 Information Seeding

Start Time	7:59
End Time	8:00
Total Time (min)	1

Volumes adjusted by Growth Factors.

No data recorded this interval.

Interval #1 Information Recording

Start Time	8:00
End Time	9:00
Total Time (min)	60

Volumes adjusted by Growth Factors.

Vehs Entered	7515
Vehs Exited	6790
Starting Vehs	177
Ending Vehs	902
Denied Entry Before	3
Denied Entry After	3253
Travel Distance (km)	6738
Travel Time (hr)	1742.0
Total Delay (hr)	1606.2
Total Stops	14218
Fuel Used (l)	1958.7

3: AV. SUBA/AV.SUBA & CALLE 100 Performance by movement

Movement	EBT	EBR	WBT	WBR	NBT	NBR	SBL	SBT	SBR	All
Total Delay (hr)	78.6	15.3	63.8	4.7	104.6	1.0	56.8	23.1	1.4	349.4
Delay / Veh (s)	213.2	300.4	96.6	107.5	417.1	314.2	933.8	106.8	71.3	208.6
Stop Delay (hr)	75.0	14.8	58.0	4.2	102.1	1.0	55.3	21.2	1.2	332.9
St Del/Veh (s)	203.6	291.7	87.8	96.1	407.1	306.5	909.5	98.0	60.8	198.7
Total Stops	973	115	1682	132	1525	14	860	670	48	6019
Stop/Veh	0.73	0.63	0.71	0.84	1.69	1.17	3.93	0.86	0.69	1.00
Travel Dist (km)	460.2	59.8	367.1	19.9	103.1	1.0	86.3	304.7	25.3	1427.3
Travel Time (hr)	86.9	16.5	71.4	5.2	106.7	1.1	58.6	29.4	1.9	377.8
Avg Speed (kph)	6	4	10	8	2	3	2	12	18	5
Fuel Used (l)	106.6	16.8	66.7	4.2	84.9	0.8	54.2	44.0	2.9	381.0
Fuel Eff. (kpl)	4.3	3.6	5.5	4.7	1.2	1.4	1.6	6.9	8.6	3.7
HC Emissions (g)	692	95	1306	77	1254	27	223	260	34	3968
CO Emissions (g)	14401	1719	17580	982	16131	325	3613	5472	544	60767
NOx Emissions (g)	1407	151	1378	68	1020	19	257	588	57	4946
Vehicles Entered	1411	199	2381	159	933	12	257	798	71	6221
Vehicles Exited	1243	167	2376	158	874	12	181	761	70	5842
Hourly Exit Rate	1243	167	2376	158	874	12	181	761	70	5842
Input Volume	3144	479	2446	191	1751	31	374	1107	100	9623
% of Volume	40	35	97	83	50	39	48	69	70	61
Denied Entry Before	0	0	0	0	1	0	0	0	0	1
Denied Entry After	33	10	22	2	98	2	11	17	2	197
Density (m/veh)										19
Occupancy (veh)	82	14	37	3	68	0	56	26	1	287

4: CALLE 100 & CARRERA 53 Performance by movement

Movement	EBT	WBT	WBR	SBL	SBR	All
Total Delay (hr)	2.8	12.0	0.3	0.9	0.1	16.2
Delay / Veh (s)	7.0	17.5	26.9	24.1	6.6	14.0
Stop Delay (hr)	2.2	7.9	0.2	0.8	0.1	11.2
St Del/Veh (s)	5.5	11.5	19.0	22.3	4.5	9.7
Total Stops	316	1161	37	78	17	1609
Stop/Veh	0.22	0.47	0.82	0.59	0.26	0.39
Travel Dist (km)	137.6	757.5	13.8	53.4	25.4	987.8
Travel Time (hr)	5.3	27.5	0.7	2.1	0.7	36.3
Avg Speed (kph)	26	28	21	25	36	27
Fuel Used (l)	13.0	90.3	1.6	5.3	2.3	112.5
Fuel Eff. (kpl)	10.6	8.4	8.6	10.0	11.0	8.8
HC Emissions (g)	102	895	13	30	15	1055
CO Emissions (g)	2375	23281	321	773	383	27133
NOx Emissions (g)	289	2421	34	84	42	2870
Vehicles Entered	1455	2467	45	131	64	4162
Vehicles Exited	1459	2469	45	133	65	4171
Hourly Exit Rate	1459	2469	45	133	65	4171
Input Volume	3551	2541	42	139	74	6347
% of Volume	41	97	107	96	88	66
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	0	0	0	0	0	0
Density (m/veh)						78
Occupancy (veh)	5	27	1	2	1	36

7: CARRERA 64 & CALLE 100 Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	All
Total Delay (hr)	88.4	657.9	13.8	2.3	27.4	4.6	40.4	51.3	103.0	988.9
Delay / Veh (s)	1402.0	1550.0	1707.4	42.1	48.2	73.3	24218.7	20507.7	41214.6	833.6
Stop Delay (hr)	87.8	649.8	13.6	1.8	19.9	3.3	40.4	51.2	103.0	970.8
St Del/Veh (s)	1392.5	1530.8	1690.3	33.4	35.0	53.3	24212.3	20499.0	41210.1	818.3
Total Stops	262	2261	45	199	1328	229	13	16	15	4368
Stop/Veh	1.15	1.48	1.55	1.02	0.65	1.02	2.17	1.78	1.67	1.02
Travel Dist (km)	55.3	370.5	6.8	74.0	756.7	82.6	1.6	2.7	2.0	1352.2
Travel Time (hr)	89.7	665.6	13.9	3.8	41.2	6.3	40.4	51.3	103.1	1015.3
Avg Speed (kph)	11	5	5	20	18	13	0	0	0	8
Fuel Used (l)	80.0	582.0	11.9	8.2	92.8	10.5	34.9	44.2	86.8	951.2
Fuel Eff. (kpl)	0.7	0.6	0.6	9.1	8.2	7.9	0.0	0.1	0.0	1.4
HC Emissions (g)	211	1938	49	41	711	64	8	28	258	3308
CO Emissions (g)	3989	31397	773	1074	15867	1260	545	899	4141	59944
NOx Emissions (g)	250	2013	54	119	2034	168	7	22	182	4849
Vehicles Entered	228	1572	30	199	2055	226	12	16	16	4354
Vehicles Exited	227	1484	28	191	2029	223	1	3	3	4189
Hourly Exit Rate	227	1484	28	191	2029	223	1	3	3	4189
Input Volume	420	3232	57	198	2169	230	78	103	223	6710
% of Volume	54	46	49	96	94	97	1	3	1	62
Denied Entry Before	0	2	0	0	0	0	0	0	0	2
Denied Entry After	221	1559	30	0	0	0	67	89	213	2179
Density (m/veh)										19
Occupancy (veh)	5	82	1	4	41	6	10	14	14	178

13: CARRERA 64 & AV.SUBA Performance by movement

Movement	NBL	NBT	NBR	SET	NWT	All
Total Delay (hr)	0.6	0.0	0.4	67.3	3.5	71.9
Delay / Veh (s)	31.2	0.2	56.7	234.7	11.1	98.9
Stop Delay (hr)	0.6	0.0	0.4	66.6	1.8	69.4
St Del/Veh (s)	28.6	0.0	55.4	232.1	5.9	95.4
Total Stops	59	0	20	594	228	901
Stop/Veh	0.82	0.00	0.80	0.58	0.20	0.34
Travel Dist (km)	20.9	53.5	7.7	80.1	475.8	638.0
Travel Time (hr)	1.1	1.1	0.6	69.6	13.8	86.2
Avg Speed (kph)	19	48	14	5	35	20
Fuel Used (l)	1.9	4.9	0.9	70.1	47.3	125.0
Fuel Eff. (kpl)	11.2	10.9	9.0	1.1	10.1	5.1
HC Emissions (g)	5	48	1	68	263	385
CO Emissions (g)	142	1140	45	2610	6262	10199
NOx Emissions (g)	13	127	3	183	815	1141
Vehicles Entered	73	353	27	1041	1135	2629
Vehicles Exited	72	352	24	1026	1134	2608
Hourly Exit Rate	72	352	24	1026	1134	2608
Input Volume	121	554	78	1387	1985	4125
% of Volume	60	64	31	74	57	63
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	0	0	0	351	0	351
Density (m/veh)						102
Occupancy (veh)	1	1	1	16	14	33

18: CALLE 100 Performance by movement

Movement	EBT	EBR	WBT	All
Total Delay (hr)	16.5	5.5	2.1	24.1
Delay / Veh (s)	40.6	411.5	3.0	21.3
Stop Delay (hr)	15.3	5.4	0.1	20.8
St Del/Veh (s)	37.5	405.0	0.2	18.4
Total Stops	38	16	47	101
Stop/Veh	0.03	0.33	0.02	0.02
Travel Dist (km)	282.0	9.5	253.7	545.2
Travel Time (hr)	21.9	5.7	7.3	34.9
Avg Speed (kph)	16	2	35	18
Fuel Used (l)	45.0	5.7	26.0	76.7
Fuel Eff. (kpl)	6.3	1.7	9.8	7.1
HC Emissions (g)	362	9	183	554
CO Emissions (g)	8449	268	4335	13051
NOx Emissions (g)	942	25	564	1531
Vehicles Entered	1477	53	2560	4090
Vehicles Exited	1455	43	2556	4054
Hourly Exit Rate	1455	43	2556	4054
Input Volume	3551	147	2637	6335
% of Volume	41	29	97	64
Denied Entry Before	0	0	0	0
Denied Entry After	42	2	0	44
Density (m/veh)				54
Occupancy (veh)	17	5	7	30

19: Performance by movement

Movement	WBT	WBR	SET	NWT	All
Total Delay (hr)	0.0	15.4	0.3	113.4	129.1
Delay / Veh (s)	0.1	1974.5	1.1	427.9	236.1
Stop Delay (hr)	0.0	15.3	0.1	112.2	127.6
St Del/Veh (s)	0.0	1972.3	0.3	423.5	233.5
Total Stops	0	26	51	572	649
Stop/Veh	0.00	0.93	0.05	0.60	0.33
Travel Dist (km)	0.3	4.7	56.3	105.3	166.7
Travel Time (hr)	0.0	15.5	1.5	116.1	133.2
Avg Speed (kph)	28	0	37	3	3
Fuel Used (l)	0.1	13.9	5.0	110.9	129.8
Fuel Eff. (kpl)	4.9	0.3	11.3	1.0	1.3
HC Emissions (g)	6	1	32	83	122
CO Emissions (g)	108	238	721	3459	4526
NOx Emissions (g)	14	5	95	208	322
Vehicles Entered	4	40	982	985	2011
Vehicles Exited	4	16	982	924	1926
Hourly Exit Rate	4	16	982	924	1926
Input Volume	12	147	1588	1500	3247
% of Volume	33	11	62	62	59
Denied Entry Before	0	0	0	0	0
Denied Entry After	0	5	0	477	482
Density (m/veh)					18
Occupancy (veh)	0	14	2	36	51

Total Network Performance

Total Delay (hr)	1606.2
Delay / Veh (s)	808.5
Stop Delay (hr)	1554.7
St Del/Veh (s)	782.6
Total Stops	14218
Stop/Veh	1.99
Travel Dist (km)	6738.2
Travel Time (hr)	1742.0
Avg Speed (kph)	10
Fuel Used (l)	1958.7
Fuel Eff. (kpl)	3.4
HC Emissions (g)	10659
CO Emissions (g)	208162
NOx Emissions (g)	19447
Vehicles Entered	7515
Vehicles Exited	6790
Hourly Exit Rate	6790
Input Volume	49901
% of Volume	14
Denied Entry Before	3
Denied Entry After	3253
Density (m/veh)	28
Occupancy (veh)	673

Arterial Level of Service: NB AV. SUBA

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (km)	Arterial Speed
CALLE 100	3	417.1	425.5	0.2	2
Total		417.1	425.5	0.2	2

Arterial Level of Service: EB CALLE 100

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (km)	Arterial Speed
CARRERA 64	7	1550.0	1568.1	0.3	5
AV. SUBA	3	213.6	236.0	0.4	6
	18	44.0	56.3	0.2	15
CARRERA 53	4	7.0	13.0	0.1	28
Total		1814.6	1873.4	0.9	7

Arterial Level of Service: WB CALLE 100

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (km)	Arterial Speed
	18	2.9	10.1	0.1	36
AV.SUBA	3	96.6	108.1	0.2	12
	7	48.0	72.4	0.4	18
Total		147.6	190.6	0.7	17

Arterial Level of Service: NW AV.SUBA

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (km)	Arterial Speed
CARRERA 64	13	7.6	38.2	0.5	43
Total		7.6	38.2	0.5	43

Arterial Level of Service: SB AV.SUBA

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (km)	Arterial Speed
CALLE 100	3	107.4	136.2	0.5	13
Total		107.4	136.2	0.5	13

Arterial Level of Service: NB CARRERA 64

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (km)	Arterial Speed
AV.SUBA	13	31.2	54.1	0.3	20
Total		31.2	54.1	0.3	20

Intersection: 3: AV. SUBA/AV.SUBA & CALLE 100

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	NB
Directions Served	T	T	T	T	TR	T	T	T	T	TR	T	T
Maximum Queue (m)	317.0	318.1	312.0	307.0	320.6	82.2	82.6	103.2	123.2	134.8	126.8	120.7
Average Queue (m)	122.3	126.4	128.0	137.2	145.5	39.1	53.0	63.0	85.2	92.6	111.7	112.0
95th Queue (m)	332.5	334.9	323.3	332.2	344.6	69.6	79.5	92.2	118.8	127.3	146.2	138.9
Link Distance (m)	304.7	304.7	304.7	304.7	304.7	129.4	129.4	129.4	129.4	129.4	94.8	94.8
Upstream Blk Time (%)	27	25	24	24	24					0	72	71
Queuing Penalty (veh)	186	171	168	168	169					2	296	294
Storage Bay Dist (m)												
Storage Blk Time (%)												
Queuing Penalty (veh)												

Intersection: 3: AV. SUBA/AV.SUBA & CALLE 100

Movement	NB	NB	NB	B2	B2	B2	B2	SB	SB	SB	SB	SB
Directions Served	T	T	TR	T	T	T	T	L	T	T	T	T
Maximum Queue (m)	126.2	127.1	67.5	62.9	62.9	66.4	67.3	391.7	395.0	391.8	383.6	77.1
Average Queue (m)	114.1	112.7	64.0	45.0	47.7	48.2	51.4	325.0	291.6	260.3	95.2	53.3
95th Queue (m)	140.6	140.4	72.0	86.2	87.6	84.6	87.3	477.0	479.8	476.6	293.6	80.4
Link Distance (m)	94.8	94.8		41.6	41.6	41.6	41.6	386.9	386.9	386.9	386.9	386.9
Upstream Blk Time (%)	73	73		59	60	60	63	50	27	27	0	
Queuing Penalty (veh)	300	299		244	246	247	258	148	79	79	0	
Storage Bay Dist (m)			60.0									
Storage Blk Time (%)		73	71									
Queuing Penalty (veh)		263	233									

Intersection: 3: AV. SUBA/AV.SUBA & CALLE 100

Movement	SB
Directions Served	TR
Maximum Queue (m)	91.4
Average Queue (m)	63.6
95th Queue (m)	94.4
Link Distance (m)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	120.0
Storage Blk Time (%)	
Queuing Penalty (veh)	

Intersection: 4: CALLE 100 & CARRERA 53

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	SB	SB
Directions Served	T	T	T	T	T	T	T	T	T	TR	L	LR
Maximum Queue (m)	28.1	28.5	30.5	43.4	41.5	64.0	90.4	98.8	111.3	116.0	20.4	33.4
Average Queue (m)	12.4	13.4	16.5	19.7	19.8	36.5	43.4	56.0	73.1	81.7	9.1	15.1
95th Queue (m)	27.0	29.8	34.5	42.8	41.7	60.2	70.3	88.1	104.8	113.2	18.6	30.0
Link Distance (m)	81.6	81.6	81.6	81.6	81.6	306.8	306.8	306.8	306.8	306.8	406.9	406.9
Upstream Blk Time (%)												
Queuing Penalty (veh)												
Storage Bay Dist (m)												
Storage Blk Time (%)												
Queuing Penalty (veh)												

Intersection: 7: CARRERA 64 & CALLE 100

Movement	EB	EB	EB	EB	EB	WB	WB	WB	WB	WB	NB	
Directions Served	L	T	T	T	R	L	T	T	T	TR	LTR	
Maximum Queue (m)	243.6	249.4	250.0	250.9	59.7	92.9	112.1	119.1	109.4	347.6	262.5	
Average Queue (m)	192.4	240.2	240.5	243.5	6.1	41.6	74.3	80.4	85.8	162.5	248.4	
95th Queue (m)	296.7	253.8	252.2	250.3	30.3	69.6	104.4	106.3	111.1	341.9	314.3	
Link Distance (m)	239.0	239.0	239.0	239.0		304.7	304.7	304.7	304.7	304.7	258.0	
Upstream Blk Time (%)	4	41	45	61						0	90	
Queuing Penalty (veh)	0	0	0	0						2	0	
Storage Bay Dist (m)					20.0							
Storage Blk Time (%)				67	3							
Queuing Penalty (veh)				38	28							

Intersection: 13: CARRERA 64 & AV.SUBA

Movement	NB	NB	SE	SE	SE	SE	SE	NW	NW	NW	NW	NW
Directions Served	L	R	T	T	T	T	T	T	T	T	T	T
Maximum Queue (m)	62.1	26.5	81.3	81.6	81.6	80.6	81.0	9.3	15.7	28.0	38.8	42.6
Average Queue (m)	16.9	7.6	62.1	56.1	29.1	27.6	28.0	4.6	5.2	8.0	16.1	23.9
95th Queue (m)	40.1	20.8	89.4	94.9	64.6	61.5	60.8	12.2	14.2	20.1	32.3	36.6
Link Distance (m)	268.8	268.8	77.0	77.0	77.0	77.0	77.0	386.9	386.9	386.9	386.9	386.9
Upstream Blk Time (%)			35	29	1	0	1					
Queuing Penalty (veh)			0	0	0	0	0					
Storage Bay Dist (m)												
Storage Blk Time (%)												
Queuing Penalty (veh)												

Intersection: 18: CALLE 100

Movement	EB	EB	EB	EB	EB	WB	WB
Directions Served	T	T	T	T	TR	T	T
Maximum Queue (m)	194.2	174.8	143.1	130.8	135.6	8.2	113.7
Average Queue (m)	56.9	54.8	59.9	58.8	61.0	0.5	13.7
95th Queue (m)	200.2	182.6	173.0	162.3	166.0	3.4	68.3
Link Distance (m)	129.4	129.4	129.4	129.4	129.4	81.6	81.6
Upstream Blk Time (%)	13	14	41	41	40		0
Queuing Penalty (veh)	90	98	290	290	283		1
Storage Bay Dist (m)							
Storage Blk Time (%)							
Queuing Penalty (veh)							

Intersection: 19:

Movement	WB	SE	SE	SE	B2	NW	NW	NW	NW
Directions Served	R	T	T	T	T	T	T	T	T
Maximum Queue (m)	155.0	24.2	29.1	28.9	181.3	120.2	119.2	116.9	120.2
Average Queue (m)	89.1	0.8	5.0	6.3	28.3	71.1	66.0	67.4	67.2
95th Queue (m)	206.9	8.0	17.5	21.7	132.9	155.7	151.0	152.9	152.5
Link Distance (m)	152.1	41.6	41.6	41.6	94.8	109.8	109.8	109.8	109.8
Upstream Blk Time (%)	50				0	41	44	42	43
Queuing Penalty (veh)	73				1	0	0	0	0
Storage Bay Dist (m)									
Storage Blk Time (%)									
Queuing Penalty (veh)									

Network Summary

Network wide Queuing Penalty: 5045