Summary of All Intervals

Start Time	6:57
End Time	7:58
Total Time (min)	61
Time Recorded (min)	60
# of Intervals	2
# of Recorded mScheduledIntervals	1
Vehs Entered	7783
Vehs Exited	7079
Starting Vehs	188
Ending Vehs	892
Denied Entry Before	22
Denied Entry After	5821
Travel Distance (km)	6985
Travel Time (hr)	3001.7
Total Delay (hr)	2859.7
Total Stops	24274
Fuel Used (l)	3001.5

Interval #0 Information Seeding

Start Time	6:57
End Time	6:58
Total Time (min)	1

Volumes adjusted by Growth Factors.

No data recorded this interval.

Interval #1 Information Recording

Start Time	6:58
End Time	7:58
Total Time (min)	60

Volumes adjusted by Growth Factors.

Vehs Entered	7783
Vehs Exited	7079
Starting Vehs	188
Ending Vehs	892
Denied Entry Before	22
Denied Entry After	5821
Travel Distance (km)	6985
Travel Time (hr)	3001.7
Total Delay (hr)	2859.7
Total Stops	24274
Fuel Used (l)	3001.5

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

Movement	EBT	EBR	WBT	WBR	NBT	NBR	SBL	SBT	SBR	All
Total Delay (hr)	66.6	22.3	161.7	14.0	137.2	3.7	61.6	41.6	2.7	511.4
Delay / Veh (s)	179.7	483.5	220.6	238.1	625.4	1671.8	1119.4	224.5	147.4	302.7
Stop Delay (hr)	63.1	21.9	149.4	13.1	134.9	3.7	60.4	39.8	2.6	488.9
St Del/Veh (s)	170.3	474.4	203.7	223.7	614.9	1664.6	1098.3	215.0	137.1	289.3
Total Stops	1114	125	3490	217	1417	10	736	652	59	7820
Stop/Veh	0.84	0.75	1.32	1.03	1.79	1.25	3.72	0.98	0.88	1.29
Travel Dist (km)	463.9	53.3	422.3	28.0	92.5	0.7	69.9	242.4	20.8	1393.8
Travel Time (hr)	76.1	23.5	170.3	14.6	139.1	3.7	63.1	46.6	3.2	540.2
Avg Speed (kph)	8	3	5	5	1	1	1	9	11	4
Fuel Used (l)	95.7	21.5	141.1	11.0	103.9	2.2	57.1	53.9	4.0	490.4
Fuel Eff. (kpl)	4.8	2.5	3.0	2.5	0.9	0.3	1.2	4.5	5.2	2.8
HC Emissions (g)	603	134	3023	309	1996	110	235	516	46	6973
CO Emissions (g)	11410	2046	38026	3815	24982	1324	3809	8574	742	94728
NOx Emissions (g)	1239	151	2424	230	1492	77	286	808	85	6792
Vehicles Entered	1343	185	2665	213	820	9	227	677	69	6208
Vehicles Exited	1326	148	2613	210	760	8	170	658	66	5959
Hourly Exit Rate	1326	148	2613	210	760	8	170	658	66	5959
Input Volume	3945	601	3069	240	2197	39	489	1243	125	11948
% of Volume	34	25	85	88	35	21	35	53	53	50
Denied Entry Before	0	0	0	0	0	0	0	0	0	0
Denied Entry After	75	17	212	19	137	6	32	94	7	599
Density (m/veh)										17
Occupancy (veh)	62	19	77	5	73	1	56	27	2	321

4: CALLE 100 & CARRERA 53 Performance by movement

Movement	EBT	WBT	WBR	SBL	SBR	All
Total Delay (hr)	3.6	137.3	2.6	1.2	0.2	144.9
Delay / Veh (s)	7.8	161.3	183.5	27.4	6.6	103.1
Stop Delay (hr)	3.1	115.4	2.3	1.1	0.1	121.9
St Del/Veh (s)	6.6	135.5	160.1	25.1	4.2	86.8
Total Stops	379	7274	131	103	29	7916
Stop/Veh	0.22	2.37	2.57	0.66	0.31	1.56
Travel Dist (km)	137.5	945.5	15.7	62.1	37.3	1198.2
Travel Time (hr)	6.4	156.4	3.0	2.6	1.0	169.4
Avg Speed (kph)	22	8	6	24	36	9
Fuel Used (l)	15.4	197.0	3.4	6.4	3.4	225.6
Fuel Eff. (kpl)	9.0	4.8	4.6	9.6	10.8	5.3
HC Emissions (g)	252	1151	12	36	29	1480
CO Emissions (g)	4953	21842	231	902	663	28590
NOx Emissions (g)	625	2519	23	99	83	3348
Vehicles Entered	1692	3123	52	153	96	5116
Vehicles Exited	1692	3009	51	156	95	5003
Hourly Exit Rate	1692	3009	51	156	95	5003
Input Volume	4302	3187	53	174	93	7809
% of Volume	39	94	96	90	102	64
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	0	84	1	0	0	85
Density (m/veh)						21
Occupancy (veh)	6	122	2	3	1	135

7: CARRERA 64 & CALLE 100 Performance by movement

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	All
Total Delay (hr)	152.3	1117.6	18.4	2.3	36.9	5.2	53.7	70.2	141.1	1597.8
Delay / Veh (s)	2870.6	2861.6	2547.2	43.7	58.0	83.8	32246.2	36108.8	46179.6	1321.7
Stop Delay (hr)	151.9	1110.5	18.3	1.7	25.9	3.8	53.7	70.2	141.1	1577.1
St Del/Veh (s)	2863.2	2843.5	2531.3	32.5	40.6	61.6	32239.2	36103.2	46175.7	1304.6
Total Stops	197	2089	42	185	1697	272	11	11	16	4520
Stop/Veh	1.03	1.49	1.62	0.98	0.74	1.21	1.83	1.57	1.45	1.04
Travel Dist (km)	46.0	341.0	6.1	72.1	847.7	83.1	1.8	1.5	2.9	1402.2
Travel Time (hr)	153.4	1125.4	18.6	3.7	52.4	7.0	53.8	70.3	141.2	1625.8
Avg Speed (kph)	13	5	3	19	16	12	0	0	0	8
Fuel Used (l)	131.9	965.3	16.1	8.7	109.0	11.0	45.4	59.3	118.5	1465.3
Fuel Eff. (kpl)	0.3	0.4	0.4	8.3	7.8	7.5	0.0	0.0	0.0	1.0
HC Emissions (g)	525	3301	56	32	377	17	154	180	339	4981
CO Emissions (g)	8245	51963	887	1001	10017	582	2395	2866	5506	83462
NOx Emissions (g)	468	2863	51	107	1279	69	110	128	247	5323
Vehicles Entered	186	1411	27	192	2319	228	11	13	17	4404
Vehicles Exited	195	1401	25	187	2263	221	2	2	5	4301
Hourly Exit Rate	195	1401	25	187	2263	221	2	2	5	4301
Input Volume	539	4055	72	248	2724	289	98	129	280	8434
% of Volume	36	35	35	75	83	76	2	2	2	51
Denied Entry Before	1	21	0	0	0	0	0	0	0	22
Denied Entry After	386	2580	37	0	1	0	95	133	266	3498
Density (m/veh)										21
Occupancy (veh)	4	62	2	4	52	7	11	11	13	166

13: CARRERA 64 & AV.SUBA Performance by movement

Movement	NBL	NBT	NBR	SET	NWT	All
Total Delay (hr)	0.8	0.0	5.1	188.3	2.7	196.8
Delay / Veh (s)	53.9	0.3	873.4	969.5	10.4	348.2
Stop Delay (hr)	0.7	0.0	5.1	187.7	1.3	194.8
St Del/Veh (s)	51.9	0.0	870.4	966.7	4.9	344.6
Total Stops	36	0	21	470	165	692
Stop/Veh	0.71	0.00	1.00	0.67	0.18	0.34
Travel Dist (km)	15.2	50.5	7.4	54.3	410.6	538.0
Travel Time (hr)	1.1	1.1	5.3	189.8	11.7	208.9
Avg Speed (kph)	14	48	1	3	35	15
Fuel Used (l)	1.7	4.6	4.9	170.3	39.3	220.7
Fuel Eff. (kpl)	9.1	11.0	1.5	0.3	10.5	2.4
HC Emissions (g)	2	37	1	105	122	266
CO Emissions (g)	85	943	97	3917	3555	8597
NOx Emissions (g)	5	101	3	172	445	726
Vehicles Entered	53	334	29	707	932	2055
Vehicles Exited	50	333	13	692	927	2015
Hourly Exit Rate	50	333	13	692	927	2015
Input Volume	121	758	78	1387	2307	4651
% of Volume	41	44	17	50	40	43
Denied Entry Before	0	0	0	0	0	0
Denied Entry After	0	0	0	677	0	677
Density (m/veh)						91
Occupancy (veh)	1	1	5	17	12	37

18: CALLE 100 Performance by movement

Movement	EBT	EBR	WBT	All
Total Delay (hr)	11.1	5.1	17.1	33.3
Delay / Veh (s)	26.3	560.4	19.7	25.7
Stop Delay (hr)	9.8	5.1	10.3	25.2
St Del/Veh (s)	23.3	555.5	11.9	19.4
Total Stops	55	12	1673	1740
Stop/Veh	0.04	0.36	0.54	0.37
Travel Dist (km)	288.9	6.8	307.3	603.0
Travel Time (hr)	16.8	5.3	23.4	45.5
Avg Speed (kph)	17	1	13	13
Fuel Used (l)	43.9	5.1	40.3	89.3
Fuel Eff. (kpl)	6.6	1.3	7.6	6.8
HC Emissions (g)	343	1	205	549
CO Emissions (g)	8771	113	4064	12948
NOx Emissions (g)	980	5	586	1571
Vehicles Entered	1519	38	3131	4688
Vehicles Exited	1503	28	3104	4635
Hourly Exit Rate	1503	28	3104	4635
Input Volume	4348	182	3309	7839
% of Volume	35	15	94	59
Denied Entry Before	0	0	0	0
Denied Entry After	3	1	0	4
Density (m/veh)				35
Occupancy (veh)	17	5	23	45

19: Performance by movement

Movement	WBR	SET	NWT	All
Total Delay (hr)	17.8	0.3	323.0	341.1
Delay / Veh (s)	3996.1	1.2	1320.0	653.2
Stop Delay (hr)	17.7	0.1	321.3	339.1
St Del/Veh (s)	3992.8	0.3	1312.8	649.3
Total Stops	27	54	867	948
Stop/Veh	1.69	0.05	0.98	0.50
Travel Dist (km)	2.8	54.6	97.1	154.5
Travel Time (hr)	17.8	1.5	325.5	344.9
Avg Speed (kph)	0	36	2	2
Fuel Used (l)	15.8	5.0	287.7	308.4
Fuel Eff. (kpl)	0.2	10.9	0.3	0.5
HC Emissions (g)	1	33	151	185
CO Emissions (g)	230	730	5857	6817
NOx Emissions (g)	3	100	199	302
Vehicles Entered	28	983	912	1923
Vehicles Exited	4	983	851	1838
Hourly Exit Rate	4	983	851	1838
Input Volume	182	1991	1885	4058
% of Volume	2	49	45	45
Denied Entry Before	0	0	0	0
Denied Entry After	0	0	958	958
Density (m/veh)				13
Occupancy (veh)	18	2	54	73

Total Network Performance

Total Delay (hr)	2859.7
Delay / Veh (s)	1385.4
Stop Delay (hr)	2775.8
St Del/Veh (s)	1344.8
Total Stops	24274
Stop/Veh	3.27
Travel Dist (km)	6985.2
Travel Time (hr)	3001.7
Avg Speed (kph)	8
Fuel Used (l)	3001.5
Fuel Eff. (kpl)	2.3
HC Emissions (g)	16131
CO Emissions (g)	275995
NOx Emissions (g)	23030
Vehicles Entered	7783
Vehicles Exited	7079
Hourly Exit Rate	7079
Input Volume	60737
% of Volume	12
Denied Entry Before	22
Denied Entry After	5821
Density (m/veh)	22
Occupancy (veh)	844

Arterial Level of Service: NB AV. SUBA

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (km)	Arterial Speed
CALLE 100	3	625.4	633.9	0.2	2
Total		625.4	633.9	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	2861.6	2881.6	0.3	6
AV. SUBA	3	180.2	205.7	0.4	8
	18	28.3	41.1	0.2	16
CARRERA 53	4	7.8	13.6	0.1	27
Total		3077.9	3142.0	0.9	9

Arterial Level of Service: WB CALLE 100

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (km)	Arterial Speed
	18	19.4	26.6	0.1	14
AV.SUBA	3	220.6	232.3	0.2	6
	7	58.1	82.3	0.4	16
Total		298.1	341.2	0.7	11

Arterial Level of Service: NW AV.SUBA

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (km)	Arterial Speed
CARRERA 64	13	5.1	37.1	0.5	44
Total		5.1	37.1	0.5	44

Arterial Level of Service: SB AV.SUBA

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (km)	Arterial Speed
CALLE 100	3	226.7	253.9	0.5	11
Total		226.7	253.9	0.5	11

Arterial Level of Service: NB CARRERA 64

Cross Street	Node	Delay (s/veh)	Travel time (s)	Dist (km)	Arterial Speed
AV.SUBA	13	53.9	77.4	0.3	14
Total		53.9	77.4	0.3	14

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)	315.3	317.1	309.6	315.7	319.7	135.5	138.4	137.0	147.3	144.4	126.7	132.0
Average Queue (m)	91.5	95.8	113.6	127.2	160.9	122.4	123.8	125.9	129.3	131.1	116.3	115.9
95th Queue (m)	242.5	251.2	265.7	288.9	364.0	161.1	161.9	158.6	159.2	157.2	139.0	137.2
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 (%)	0	0	0	0	34	23	33	40	43	47	84	84
Queuing Penalty (veh)	3	2	1	1	292	140	203	243	260	288	434	435
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)	120.8	125.6	67.5	62.9	62.9	70.2	63.0	391.2	387.7	402.9	394.5	91.7
Average Queue (m)	117.9	115.6	61.7	56.1	55.8	58.2	58.1	342.2	322.3	169.0	92.1	66.1
95th Queue (m)	133.2	132.6	71.5	81.4	81.4	84.1	83.9	475.0	508.3	400.2	240.2	100.7
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 (%)	83	35		81	81	78	79	63	44	0	0	
Queuing Penalty (veh)	430	181		420	421	404	409	184	130	0	0	
Storage Bay Dist (m)			60.0									
Storage Blk Time (%)		82	79									
Queuing Penalty (veh)		369	326									

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

Movement	SB
Directions Served	TR
Maximum Queue (m)	142.7
Average Queue (m)	72.6
95th Queue (m)	107.9
Link Distance (m)	
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (m)	120.0
Storage Blk Time (%)	0
Queuing Penalty (veh)	1

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)	52.3	54.8	59.0	51.9	50.8	319.3	323.3	319.3	326.6	319.3	34.7	52.4
Average Queue (m)	27.1	29.6	29.9	26.4	25.3	227.6	234.1	243.4	252.8	257.4	13.4	24.4
95th Queue (m)	46.8	52.7	52.0	48.0	48.4	408.8	408.3	402.4	390.4	381.3	26.5	43.2
Link Distance (m)	80.8	80.8	80.8	80.8	80.8	307.4	307.4	307.4	307.4	307.4	402.7	402.7
Upstream Blk Time (%)						20	23	26	30	35		
Queuing Penalty (veh)						0	0	0	0	0		
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)	248.3	249.7	247.2	258.2	27.5	94.1	133.5	150.0	153.9	350.4	263.8	
Average Queue (m)	136.7	177.5	222.6	243.2	3.0	38.8	94.5	97.9	100.3	134.5	251.8	
95th Queue (m)	312.5	350.4	275.2	251.1	13.5	74.4	130.0	135.8	137.5	258.0	304.6	
Link Distance (m)	239.0	239.0	239.0	239.0		304.7	304.7	304.7	304.7	304.7	261.5	
Upstream Blk Time (%)	2	16	22	65						0	91	
Queuing Penalty (veh)	0	0	0	0						3	0	
Storage Bay Dist (m)					20.0							
Storage Blk Time (%)				71	2							
Queuing Penalty (veh)				51	26							

Intersection: 13: CARRERA 64 & AV.SUBA

Movement	NB	NB	SE	SE	SE	SE	SE	NW	NW	NW	NW	
Directions Served	L	R	T	T	T	T	T	T	T	T	T	
Maximum Queue (m)	63.7	98.4	81.6	81.6	81.6	81.6	81.0	9.3	16.4	30.3	34.5	
Average Queue (m)	13.4	36.5	67.5	50.0	25.4	24.1	24.9	1.5	7.1	13.5	19.6	
95th Queue (m)	38.3	96.5	92.9	82.5	68.1	62.6	64.3	7.1	17.7	24.3	32.3	
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	
Upstream Blk Time (%)			59	12	0	0	0					
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	WB	WB	WB	WB	WB
Directions Served	T	T	T	TR	T	T	T	T	T
Maximum Queue (m)	201.9	170.0	144.7	131.3	85.8	108.3	91.0	93.2	107.5
Average Queue (m)	85.5	71.5	73.0	69.0	56.6	65.6	69.0	75.1	85.5
95th Queue (m)	246.9	206.5	181.0	168.8	110.8	115.3	112.4	109.7	124.7
Link Distance (m)	129.4	129.4	129.4	129.4	80.8	80.8	80.8	80.8	80.8
Upstream Blk Time (%)	17	18	44	44	5	7	8	10	14
Queuing Penalty (veh)	151	157	394	392	30	48	54	65	89
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)	153.8	25.7	29.0	42.9	171.3	121.7	120.2	125.6	114.4
Average Queue (m)	115.4	0.9	4.8	6.3	5.7	98.8	97.5	100.0	100.4
95th Queue (m)	206.1	8.5	18.0	22.8	56.5	155.9	153.7	156.3	154.3
Link Distance (m)	152.1	41.6	41.6	41.6	94.8	109.8	109.8	109.8	109.8
Upstream Blk Time (%)	61			0		72	70	72	71
Queuing Penalty (veh)	110			0		0	0	0	0
Storage Bay Dist (m)									
Storage Blk Time (%)									
Queuing Penalty (veh)									

Network Summary

Network wide Queuing Penalty: 7149