

Load Curve Development  
Based on LBHL load curves, modified to reflect lower load diversity of individual lanes

Mediam City	
Hour Beginning	LBHL CURVES MEDIUM SW
0	12am-1am 0.84
1	1am-2am 0.72
2	2am-3am 0.37
3	3am-4am 3.62
4	4am-5am 2.41
5	5am-6am 2.97
6	6am-7am 2.34
7	7am-8am 0.88
8	8am-9am 0.01
9	9am-10am -
10	10am-11am -
11	11am-12pm -
12	12pm-1pm 0.72
13	1pm-2pm -
14	2pm-3pm 0.01
15	3pm-4pm 0.12
16	4pm-5pm 0.14
17	5pm-6pm 0.07
18	6pm-7pm 2.00
19	7pm-8pm 4.66
20	8pm-9pm 4.68
21	9pm-10pm 7.74
22	10pm-11pm 5.15
23	11pm-12am 0.84
TOTAL kWh 42.14	
Total kW	

Hour Beginning	Veh1	Veh2	Veh3	Veh4	Veh5	Veh6	Veh7	Veh8	Veh9	Veh10
SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
12am-1am										
1am-2am							0			
2am-3am										
3am-4am										
4am-5am										
5am-6am										
6am-7am										
7am-8am										
8am-9am										
9am-10am										
10am-11pm										
11pm-12am										
Total kWh	43	43	43	43	43	43	33	36	33	33
Total kW	20	20	20	20	20	20	20	20	20	20
load factor	9%	9%	9%	9%	9%	9%	8%	8%	7%	7%

**FINAL CURVES**

Medium (10 veh)
13
0
0
0
0
0
0
0
0
0
0
0
0
0
20
55
78
194
71
51
393
194

School Bus	
Hour Beginning	LBHL CURVES SCHOOL SW
0	12am-1am 8.17
1	1am-2am 6.52
2	2am-3am 8.20
3	3am-4am 4.28
4	4am-5am 4.41
5	5am-6am 3.80
6	6am-7am 1.64
7	7am-8am 0.55
8	8am-9am 2.62
9	9am-10am 6.64
10	10am-11am 7.07
11	11am-12pm 14.15
12	12pm-1pm 11.07
13	1pm-2pm 6.92
14	2pm-3pm 7.98
15	3pm-4pm 2.13
16	4pm-5pm 1.14
17	5pm-6pm 0.95
18	6pm-7pm 1.66
19	7pm-8pm 2.28
20	8pm-9pm 1.98
21	9pm-10pm 1.88
22	10pm-11pm 2.80
23	11pm-12am 8.10
TOTAL 115.28	
Total kW	

Hour Beginning	Veh1	Veh2	Veh3	Veh4	Veh5	Veh6	Veh7	Veh8	Veh9	Veh10
SW	SW	SW	SW	SW	SW	SW	SW	SW	SW	SW
12am-1am	50			40	25		50	35	0	50
1am-2am	40	50		20	0	50	40	15	50	31
2am-3am	20	40	50	5			40	25	0	35
3am-4am	5	20	40	0			20	5	0	0
4am-5am	0	5	20				5			
5am-6am			0	5						
6am-7am				0						
7am-8am										
8am-9am										
9am-10am										
10am-11am										
11am-12pm										
12pm-1pm										
1pm-2pm										
2pm-3pm										
3pm-4pm										
4pm-5pm										
5pm-6pm										
6pm-7pm										
7pm-8pm										
8pm-9pm										
9pm-10pm										
10pm-11pm										
11pm-12am										
Total kWh	115	115	115	115	115	115	100	85	85	
Total kW	50	50	50	50	50	50	50	50	50	50
load factor	80%	10%	10%	10%	10%	10%	10%	8%	7%	7%

**FINAL CURVES**

School 18 veh	School 38 veh
300	750
300	900
215	645
85	255
30	90
5	15
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
0	0
50	150
145	435
1075	3225
300	900

Tractor Trailer	
Hour Beginning	LBHL CURVES TRACTOR TRAILER SW
0	12am-1am 5341
1	1am-2am 5305
2	2am-3am 4288
3	3am-4am 3349
4	4am-5am 3426
5	5am-6am 3231
6	6am-7am 3684
7	7am-8am 3477
8	8am-9am 1140
9	9am-10am 3378
10	10am-11am 3941
11	11am-12pm 6186
12	12pm-1pm 5296
13	1pm-2pm 5071
14	2pm-3pm 5334
15	3pm-4pm 4155
16	4pm-5pm 3813
17	5pm-6pm 3955
18	6pm-7pm 3048
19	7pm-8pm 2670
20	8pm-9pm 1818
21	9pm-10pm 1768
22	10pm-11pm 1376
23	11pm-12am 5341
TOTAL 96432	
Total kW	

Hour Beginning	Veh1	Veh2	Veh3	Veh4	Veh5
SW	SW	SW	SW	SW	SW
12am-1am					
1am-2am					
2am-3am					
3am-4am					
4am-5am					
5am-6am					
6am-7am					
7am-8am					
8am-9am					
9am-10am	350	0			
10am-11pm	300	350			
11am-12pm	200	200	0		
12pm-1pm	100	200	360	0	0
1pm-2pm	0	100	300	230	230
2pm-3pm	0	0	200	175	175
3pm-4pm			90	170	170
4pm-5pm			0	165	165
5pm-6pm				160	160
6pm-7pm				50	50
7pm-8pm				0	0
8pm-9pm					
9pm-10pm					
10pm-11pm					
11pm-12am					
Total kWh	950	950	950	950	950
Total kW	350	350	360	230	230
load factor	17%	17%	17%	17%	17%

**FINAL CURVES**

Tractor Trailer 5 veh
0
0
0
0
0
0
0
0
0
330
450
500
660
660
860
550
430
330
320
100
0
0
0
0
0
0
470
860

Tractor Trailer (100% off)	
Hour Beginning	LBHL CURVES TRACTOR TRAILER SW
0	12am-1am 5341
1	1am-2am 5305
2	2am-3am 4288
3	3am-4am 3349
4	4am-5am 3426
5	5am-6am 3231
6	6am-7am 3684
7	7am-8am 3477
8	8am-9am 1140
9	9am-10am 3378
10	10am-11am 3941
11	11am-12pm 6186
12	12pm-1pm 5296
13	1pm-2pm 5071
14	2pm-3pm 5334
15	3pm-4pm 4155
16	4pm-5pm 3813
17	5pm-6pm 3955
18	6pm-7pm 3048
19	7pm-8pm 2670
20	8pm-9pm 1818
21	9pm-10pm 1768
22	10pm-11pm 1376
23	11pm-12am 5341
TOTAL 96432	
Total kW	

Hour Beginning	Veh1	Veh2	Veh3	Veh4	Veh5
SW	SW	SW	SW	SW	SW
12am-1am	200	300	0		
1am-2am	100	200	360	0	0
2am-3am	0	100	300	230	230
3am-4am			0	200	175
4am-5am			90	170	170
5am-6am			0	165	165
6am-7am				160	160
7am-8am				50	50
8am-9am				0	0
9am-10pm					
10am-11pm					
11pm-12am					
Total kWh	950	950	950	950	950
Total kW	350	350	360	230	230
load factor	17%	17%	17%	17%	17%

**FINAL CURVES**

Tractor Trailer 100% off pk (5 veh)
500
660
660
550
430
330
320
100
0
0
0
0
0
0
0
0
0
0
470
860