

Appendix D

Calibration Data

AM Peak Light Traffic

Link No.	Link Description	Link Capacity (PCU's)	Observed	Modelled	Difference
			Light Traffic	Light Traffic	Light Traffic
1	M7 WB On-Ramp	1800	71.00	81.00	10.00
2	L2014 Kill Road WB	1000	221.00	200.00	-21.00
3	L2014 Kill Road EB	1000	125.00	126.00	1.00
4	R445 Dublin Road NB	2400	852.00	813.00	-39.00
5	R445 Dublin Road SB	1200	557.00	563.00	6.00
6	M7 SB Off-Ramp	1800	406.00	450.00	44.00
7	M7 SB On-Ramp	1800	586.00	641.00	55.00
8	M7 NB Off-Ramp	1800	613.00	748.00	135.00
9	Newhall Overbridge EB	1100	620.00	609.00	-11.00
10	Newhall Overbridge WB	1100	567.00	640.00	73.00
11	L2031 SB	700	303.00	241.00	-62.00
12	L2031 NB	700	78.00	56.00	-22.00
13	Monread Rd. WB	1200	456.00	379.00	-77.00
14	Monread Rd. EB	1200	611.00	558.00	-53.00
15	M7 WB Off-Ramp	1800	79.00	82.00	3.00
16	Kerdiffstown Rd. WB	1000	37.00	44.00	7.00
17	Kerdiffstown Rd. EB	1000	154.00	165.00	11.00
18	Monread Rd. EB	1200	678.00	662.00	-16.00
19	Monread Rd. WB	1200	519.00	502.00	-17.00
20	L2014-Johnstown WB	1200	135.00	157.00	22.00
21	L2014-Johnstown EB	1200	141.00	153.00	12.00
22	Millennium Rd. NB	1200	532.00	424.00	-108.00
23	Millennium Rd. SB	1200	468.00	495.00	27.00
24	Millennium Rd. SB	1200	487.00	470.00	-17.00
25	Millennium Rd. NB	1200	622.00	506.00	-116.00
26	R407 NB	1200	489.00	388.00	-101.00
27	R407 SB	1200	424.00	409.00	-15.00
28	M7 EB at Johnstown	6100	3765.00	3906.00	141.00
29	M7 On-Ramp WB	1800	162.00	229.00	67.00
30	M7 Naas Bypass EB	4100	3169.00	3316.00	147.00
31	M7-On Ramp SB	1800	470.00	454.00	-16.00

		RESULT =	96.77%			RESULT =	91.94%
		REQD =	85.00%			REQD =	85.00%
GEH	COUNT	GEH TEST	CLASS TEST	Target Difference	Flow Test	ACT DIFF	FACTOR
1.15	1	1	2	100	1	10	1.1408
1.45	1	1	2	100	1	-21	0.9050
0.09	1	1	2	100	1	1	1.0080
1.35	1	1	1	128	1	-39	0.9542
0.25	1	1	2	100	1	6	1.0108
2.13	1	1	2	100	1	44	1.1084
2.22	1	1	2	100	1	55	1.0939
5.18	1	0	2	100	0	135	1.2202
0.44	1	1	2	100	1	-11	0.9823
2.97	1	1	2	100	1	73	1.1287
3.76	1	1	2	100	1	-62	0.7954
2.69	1	1	2	100	1	-22	0.7179
3.77	1	1	2	100	1	-77	0.8311
2.19	1	1	2	100	1	-53	0.9133
0.33	1	1	2	100	1	3	1.0380
1.10	1	1	2	100	1	7	1.1892
0.87	1	1	2	100	1	11	1.0714
0.62	1	1	2	100	1	-16	0.9764
0.75	1	1	2	100	1	-17	0.9672
1.82	1	1	2	100	1	22	1.1630
0.99	1	1	2	100	1	12	1.0851
4.94	1	1	2	100	0	-108	0.7970
1.23	1	1	2	100	1	27	1.0577
0.78	1	1	2	100	1	-17	0.9651
4.88	1	1	2	100	0	-116	0.8135
4.82	1	1	2	100	0	-101	0.7935
0.73	1	1	2	100	1	-15	0.9646
2.28	1	1	3	800	1	141	1.0375
4.79	1	1	2	100	1	67	1.4136
2.58	1	1	3	800	1	147	1.0464
0.74	1	1	2	100	1	-16	0.9660

32	M7-On Ramp NB	1800	37.00	30.00	-7.00	1.21	1	1	2	100	1	-7	0.8108
33	M7 NB at Newbridge	3600	1785.00	1978.00	193.00	4.45	1	1	1	268	1	193	1.1081
34	R445 Newbrdige Rd NB	3400	529.00	589.00	60.00	2.54	1	1	2	100	1	60	1.1134
35	M7 SB at Newbridge	3600	1004.00	1015.00	11.00	0.35	1	1	1	151	1	11	1.0110
36	R407 SB at Sallins Jnct	1200	324.00	341.00	17.00	0.93	1	1	2	100	1	17	1.0525
37	R407 NB at Sallins Jnct	1200	516.00	514.00	-2.00	0.09	1	1	2	100	1	-2	0.9961
38	M7 NB at Lewinstown	4100	3216.00	3422.00	206.00	3.58	1	1	3	800	1	206	1.0641
39	M7 EB On-Ramp	1800	1034.00	1056.00	22.00	0.68	1	1	1	155	1	22	1.0213
40	M7 EB Off-Ramp	1800	283.00	384.00	101.00	5.53	1	0	2	100	0	101	1.3569
41	M7 Naas Bypass WB	4100	1788.00	1865.00	77.00	1.80	1	1	1	268	1	77	1.0431
42	R445 Newbrdige Rd SB	3400	442.00	436.00	-6.00	0.29	1	1	2	100	1	-6	0.9864
43	M7 SB at Lewinstown	4100	1849.00	1859.00	10.00	0.23	1	1	1	277	1	10	1.0054
44	R445 Newbridge Rd WB	3400	686.00	625.00	-61.00	2.38	1	1	2	100	1	-61	0.9111
45	R445 Newbridge Rd EB	3400	634.00	637.00	3.00	0.12	1	1	2	100	1	3	1.0047
46	R445 Johnstown Rd EB	1200	115.00	121.00	6.00	0.55	1	1	2	100	1	6	1.0522
47	R445 Johnstown Rd WB	2400	571.00	611.00	40.00	1.65	1	1	2	100	1	40	1.0701
48	R448 Kilcullen Rd. SB	1200	115.00	102.00	-13.00	1.25	1	1	2	100	1	-13	0.8870
49	R448 Kilcullen Rd. NB	1200	306.00	260.00	-46.00	2.73	1	1	2	100	1	-46	0.8497
50	M7 WB at Johnstown	6100	2108.00	2074.00	-34.00	0.74	1	1	1	316	1	-34	0.9839
51	L2006 EB	700	70.00	98.00	28.00	3.06	1	1	2	100	1	28	1.4000
52	L2006 WB	700	68.00	65.00	-3.00	0.37	1	1	2	100	1	-3	0.9559
53	L2032 Athgarvan Rd. WB	1000	110.00	101.00	-9.00	0.88	1	1	2	100	1	-9	0.9182
54	L2032 Athgarvan Rd. EB	1000	290.00	229.00	-61.00	3.79	1	1	2	100	1	-61	0.7897
55	Canal Bank Rd. NB	700	18.00	15.00	-3.00	0.74	1	1	2	100	1	-3	0.8333
56	Canal Bank Rd. SB	700	162.00	171.00	9.00	0.70	1	1	2	100	1	9	1.0556
57	R445 Naas Rd. EB	1200	646.00	614.00	-32.00	1.27	1	1	2	100	1	-32	0.9505
58	R445 Naas Rd. WB	1200	486.00	455.00	-31.00	1.43	1	1	2	100	1	-31	0.9362
59	R448 Kilcullen Rd NB	1200	517.00	441.00	-76.00	3.47	1	1	2	100	1	-76	0.8530
60	R448 Kilcullen Rd SB	1200	191.00	184.00	-7.00	0.51	1	1	2	100	1	-7	0.9634
61	Newtown Rd. EB	1000	20.00	17.00	-3.00	0.70	1	1	2	100	1	-3	0.8500
62	Newtown Rd. WB	1000	31.00	36.00	5.00	0.86	1	1	2	100	1	5	1.1613
		38348	38812	464			62	60			57		

Average
GEH

1.819

AM Peak Heavy Traffic

Link No.	Link Description	Link Capacity (PCU's)	Observed	Modelled	Difference	GEH	RESULT =	GEH TEST	CLASS TEST	RESULT =	ACT DIFF	FACTOR	
			Heavy Traffic	Heavy Traffic	Heavy Traffic		REQD =			88.52%			REQD =
1	M7 WB On-Ramp	1800	1.00	4.00	3.00	1.897	1	1	2	100	1	3	4.0000
2	L2014 Kill Road WB	1000	7.00	3.00	-4.00	1.789	1	1	2	100	1	-4	0.4286
3	L2014 Kill Road EB	1000	6.00	7.00	1.00	0.392	1	1	2	100	1	1	1.1667
4	R445 Dublin Road NB	2400	42.00	30.00	-12.00	2.000	1	1	2	100	1	-12	0.7143
5	R445 Dublin Road SB	1200	36.00	31.00	-5.00	0.864	1	1	2	100	1	-5	0.8611
6	M7 SB Off-Ramp	1800	61.00	74.00	13.00	1.582	1	1	2	100	1	13	1.2131
7	M7 SB On-Ramp	1800	72.00	60.00	-12.00	1.477	1	1	2	100	1	-12	0.8333
8	M7 NB Off-Ramp	1800	28.00	46.00	18.00	2.959	1	1	2	100	1	18	1.6429
9	Newhall Overbridge EB	1100	27.00	74.00	47.00	6.614	1	0	2	100	1	47	2.7407
10	Newhall Overbridge WB	1100	77.00	45.00	-32.00	4.097	1	1	2	100	1	-32	0.5844
11	L2031 SB	700	94.00	21.00	-73.00	9.627	1	0	2	100	1	-73	0.2234
12	L2031 NB	700	18.00	13.00	-5.00	1.270	1	1	2	100	1	-5	0.7222
13	Monread Rd. WB	1200	71.00	26.00	-45.00	6.462	1	0	2	100	1	-45	0.3662
14	Monread Rd. EB	1200	70.00	31.00	-39.00	5.488	1	0	2	100	1	-39	0.4429
15	M7 WB Off-Ramp	1800	2.00	3.00	1.00	0.632	1	1	2	100	1	1	1.5000
16	Kerdiffstown Rd. WB	1000	2.00	1.00	-1.00	0.816	1	1	2	100	1	-1	0.5000
17	Kerdiffstown Rd. EB	1000	2.00	2.00	0.00	0.000	1	1	2	100	1	0	1.0000
18	Monread Rd. EB	1200	48.00	27.00	-21.00	3.429	1	1	2	100	1	-21	0.5625
19	Monread Rd. WB	1200	44.00	31.00	-13.00	2.123	1	1	2	100	1	-13	0.7045
20	L2014-Johnstown WB	1200	6.00	7.00	1.00	0.392	1	1	2	100	1	1	1.1667
21	L2014-Johnstown EB	1200	17.00	13.00	-4.00	1.033	1	1	2	100	1	-4	0.7647
22	Millennium Rd. NB	1200	61.00	30.00	-31.00	4.596	1	1	2	100	1	-31	0.4918
23	Millennium Rd. SB	1200	42.00	17.00	-25.00	4.603	1	1	2	100	1	-25	0.4048
24	Millennium Rd. SB	1200	24.00	14.00	-10.00	2.294	1	1	2	100	1	-10	0.5833
25	Millennium Rd. NB	1200	29.00	30.00	1.00	0.184	1	1	2	100	1	1	1.0345
26	R407 NB	1200	51.00	12.00	-39.00	6.949	1	0	2	100	1	-39	0.2353
27	R407 SB	1200	37.00	9.00	-28.00	5.838	1	0	2	100	1	-28	0.2432
28	M7 EB at Johnstown	6100	205.00	190.00	-15.00	1.067	1	1	2	100	1	-15	0.9268
29	M7 On-Ramp WB	1800	21.00	15.00	-6.00	1.414	1	1	2	100	1	-6	0.7143
30	M7 Naas Bypass EB	4100	163.00	173.00	10.00	0.772	1	1	2	100	1	10	1.0613
31	M7-On Ramp SB	1800	28.00	33.00	5.00	0.905	1	1	2	100	1	5	1.1786
32	M7-On Ramp NB	1800	0.00	4.00	4.00	2.828	1	1	2	100	1	4	-

33	M7 NB at Newbridge	3600	94.00	114.00	20.00	1.961	1	1	2	100	1	20	1.2128
34	R445 Newbridge Rd NB	3400	61.00	38.00	-23.00	3.269	1	1	2	100	1	-23	0.6230
35	M7 SB at Newbridge	3600	112.00	104.00	-8.00	0.770	1	1	2	100	1	-8	0.9286
36	R407 SB at Sallins Jnct	1200	10.00	17.00	7.00	1.905	1	1	2	100	1	7	1.7000
37	R407 NB at Sallins Jnct	1200	6.00	10.00	4.00	1.414	1	1	2	100	1	4	1.6667
38	M7 NB at Lewistown	4100	111.00	159.00	48.00	4.131	1	1	2	100	1	48	1.4324
39	M7 EB On-Ramp	1800	40.00	43.00	3.00	0.466	1	1	2	100	1	3	1.0750
40	M7 EB Off-Ramp	1800	19.00	23.00	4.00	0.873	1	1	2	100	1	4	1.2105
41	M7 Naas Bypass WB	4100	239.00	242.00	3.00	0.193	1	1	2	100	1	3	1.0126
42	R445 Newbridge Rd SB	3400	71.00	74.00	3.00	0.352	1	1	2	100	1	3	1.0423
43	M7 SB at Lewistown	4100	204.00	202.00	-2.00	0.140	1	1	2	100	1	-2	0.9902
44	R445 Newbridge Rd WB	3400	60.00	79.00	19.00	2.279	1	1	2	100	1	19	1.3167
45	R445 Newbridge Rd EB	3400	55.00	26.00	-29.00	4.557	1	1	2	100	1	-29	0.4727
46	R445 Johnstown Rd EB	1200	9.00	10.00	1.00	0.324	1	1	2	100	1	1	1.1111
47	R445 Johnstown Rd WB	2400	41.00	50.00	9.00	1.334	1	1	2	100	1	9	1.2195
48	R448 Kilcullen Rd. SB	1200	18.00	19.00	1.00	0.232	1	1	2	100	1	1	1.0556
49	R448 Kilcullen Rd. NB	1200	24.00	0.00	-24.00	6.928	1	0	2	100	1	-24	0.0000
50	M7 WB at Johnstown	6100	235.00	257.00	22.00	1.403	1	1	2	100	1	22	1.0936
51	L2006 EB	700	10.00	9.00	-1.00	0.324	1	1	2	100	1	-1	0.9000
52	L2006 WB	700	11.00	18.00	7.00	1.838	1	1	2	100	1	7	1.6364
53	L2032 Athgarvan Rd.	1000	1.00	2.00	1.00	0.816	1	1	2	100	1	1	2.0000
54	L2032 Athgarvan Rd. EB	1000	1.00	7.00	6.00	3.000	1	1	2	100	1	6	7.0000
55	Canal Bank Rd. NB	700	0.00	0.00	0.00	-	0	0	2	100	-	0	-
56	Canal Bank Rd. SB	700	6.00	6.00	0.00	0.000	1	1	2	100	1	0	1.0000
57	R445 Naas Rd. EB	1200	53.00	39.00	-14.00	2.064	1	1	2	100	1	-14	0.7358
58	R445 Naas Rd. WB	1200	50.00	30.00	-20.00	3.162	1	1	2	100	1	-20	0.6000
59	R448 Kilcullen Rd NB	1200	30.00	25.00	-5.00	0.953	1	1	2	100	1	-5	0.8333
60	R448 Kilcullen Rd SB	1200	22.00	18.00	-4.00	0.894	1	1	2	100	1	-4	0.8182
61	Newtown Rd. EB	1000	2.00	1.00	-1.00	0.816	1	1	2	100	1	-1	0.5000
62	Newtown Rd. WB	1000	2.00	5.00	3.00	1.604	1	1	2	100	1	3	2.5000
			2989	2703	-286		61	54			61		

**Average
GEH**

2.203

AM Peak Total Traffic

Link No.	Link Description	Link Capacity (PCU's)	Observed	Modelled	Difference	RESULT =		RESULT =		ACT DIFF	FACTOR		
			Total Traffic	Total Traffic	Total Traffic	REQD =	85.00%	REQD =	85.00%				
						GEH	COUNT	GEH TEST	CLASS TEST	Target Difference	Flow Test		
1	M7 WB On-Ramp	1800	72.00	85.00	13.00	1.47	1	1	2	100	1	13	1.1806
2	L2014 Kill Road WB	1000	228.00	203.00	-25.00	1.70	1	1	2	100	1	-25	0.8904
3	L2014 Kill Road EB	1000	131.00	133.00	2.00	0.17	1	1	2	100	1	2	1.0153
4	R445 Dublin Road NB	2400	894.00	843.00	-51.00	1.73	1	1	1	134	1	-51	0.9430
5	R445 Dublin Road SB	1200	593.00	594.00	1.00	0.04	1	1	2	100	1	1	1.0017
6	M7 SB Off-Ramp	1800	467.00	524.00	57.00	2.56	1	1	2	100	1	57	1.1221
7	M7 SB On-Ramp	1800	658.00	701.00	43.00	1.65	1	1	2	100	1	43	1.0653
8	M7 NB Off-Ramp	1800	641.00	794.00	153.00	5.71	1	0	2	100	0	153	1.2387
9	Newhall Overbridge EB	1100	647.00	684.00	37.00	1.43	1	1	2	100	1	37	1.0572
10	Newhall Overbridge WB	1100	644.00	685.00	41.00	1.59	1	1	2	100	1	41	1.0637
11	L2031 SB	700	397.00	262.00	-135.00	7.44	1	0	2	100	0	-135	0.6599
12	L2031 NB	700	96.00	69.00	-27.00	2.97	1	1	2	100	1	-27	0.7188
13	Monread Rd. WB	1200	527.00	405.00	-122.00	5.65	1	0	2	100	0	-122	0.7685
14	Monread Rd. EB	1200	681.00	589.00	-92.00	3.65	1	1	2	100	1	-92	0.8649
15	M7 WB Off-Ramp	1800	81.00	84.00	3.00	0.33	1	1	2	100	1	3	1.0370
16	Kerdiffstown Rd. WB	1000	39.00	45.00	6.00	0.93	1	1	2	100	1	6	1.1538
17	Kerdiffstown Rd. EB	1000	156.00	166.00	10.00	0.79	1	1	2	100	1	10	1.0641
18	Monread Rd. EB	1200	726.00	690.00	-36.00	1.35	1	1	1	109	1	-36	0.9504
19	Monread Rd. WB	1200	563.00	533.00	-30.00	1.28	1	1	2	100	1	-30	0.9467
20	L2014-Johnstown WB	1200	141.00	164.00	23.00	1.86	1	1	2	100	1	23	1.1631
21	L2014-Johnstown EB	1200	158.00	166.00	8.00	0.63	1	1	2	100	1	8	1.0506
22	Millennium Rd. NB	1200	593.00	453.00	-140.00	6.12	1	0	2	100	0	-140	0.7639
23	Millennium Rd. SB	1200	510.00	511.00	1.00	0.04	1	1	2	100	1	1	1.0020
24	Millennium Rd. SB	1200	511.00	484.00	-27.00	1.21	1	1	2	100	1	-27	0.9472
25	Millennium Rd. NB	1200	651.00	536.00	-115.00	4.72	1	1	2	100	0	-115	0.8233
26	R407 NB	1200	540.00	401.00	-139.00	6.41	1	0	2	100	0	-139	0.7426
27	R407 SB	1200	461.00	418.00	-43.00	2.05	1	1	2	100	1	-43	0.9067
28	M7 EB at Johnstown	6100	3970.00	4096.00	126.00	1.98	1	1	3	800	1	126	1.0317
29	M7 On-Ramp WB	1800	183.00	244.00	61.00	4.17	1	1	2	100	1	61	1.3333
30	M7 Naas Bypass EB	4100	3332.00	3488.00	156.00	2.67	1	1	3	800	1	156	1.0468

31	M7-On Ramp SB	1800	498.00	487.00	-11.00	0.50	1	1	2	100	1	-11	0.9779
32	M7-On Ramp NB	1800	37.00	34.00	-3.00	0.50	1	1	2	100	1	-3	0.9189
33	M7 NB at Newbridge	3600	1879.00	2093.00	214.00	4.80	1	1	1	282	1	214	1.1139
34	R445 Newbridge Rd NB	3400	590.00	627.00	37.00	1.50	1	1	2	100	1	37	1.0627
35	M7 SB at Newbridge	3600	1116.00	1119.00	3.00	0.09	1	1	1	167	1	3	1.0027
36	R407 SB at Sallins Jnct	1200	334.00	358.00	24.00	1.29	1	1	2	100	1	24	1.0719
37	R407 NB at Sallins Jnct	1200	522.00	524.00	2.00	0.09	1	1	2	100	1	2	1.0038
38	M7 NB at Lewistown	4100	3327.00	3582.00	255.00	4.34	1	1	3	800	1	255	1.0766
39	M7 EB On-Ramp	1800	1074.00	1099.00	25.00	0.76	1	1	1	161	1	25	1.0233
40	M7 EB Off-Ramp	1800	302.00	407.00	105.00	5.58	1	0	2	100	0	105	1.3477
41	M7 Naas Bypass WB	4100	2027.00	2108.00	81.00	1.78	1	1	1	304	1	81	1.0400
42	R445 Newbridge Rd SB	3400	513.00	511.00	-2.00	0.09	1	1	2	100	1	-2	0.9961
43	M7 SB at Lewistown	4100	2053.00	2061.00	8.00	0.18	1	1	1	308	1	8	1.0039
44	R445 Newbridge Rd WB	3400	746.00	704.00	-42.00	1.56	1	1	1	112	1	-42	0.9437
45	R445 Newbridge Rd EB	3400	689.00	663.00	-26.00	1.00	1	1	2	100	1	-26	0.9623
46	R445 Johnstown Rd EB	1200	124.00	131.00	7.00	0.62	1	1	2	100	1	7	1.0565
47	R445 Johnstown Rd WB	2400	612.00	661.00	49.00	1.94	1	1	2	100	1	49	1.0801
48	R448 Kilcullen Rd. SB	1200	133.00	121.00	-12.00	1.06	1	1	2	100	1	-12	0.9098
49	R448 Kilcullen Rd. NB	1200	330.00	260.00	-70.00	4.08	1	1	2	100	1	-70	0.7879
50	M7 WB at Johnstown	6100	2343.00	2331.00	-12.00	0.25	1	1	1	351	1	-12	0.9949
51	L2006 EB	700	80.00	107.00	27.00	2.79	1	1	2	100	1	27	1.3375
52	L2006 WB	700	79.00	83.00	4.00	0.44	1	1	2	100	1	4	1.0506
53	L2032 Athgarvan Rd. WB	1000	111.00	104.00	-7.00	0.68	1	1	2	100	1	-7	0.9369
54	L2032 Athgarvan Rd. EB	1000	291.00	236.00	-55.00	3.39	1	1	2	100	1	-55	0.8110
55	Canal Bank Rd. NB	700	18.00	15.00	-3.00	0.74	1	1	2	100	1	-3	0.8333
56	Canal Bank Rd. SB	700	168.00	177.00	9.00	0.69	1	1	2	100	1	9	1.0536
57	R445 Naas Rd. EB	1200	699.00	653.00	-46.00	1.77	1	1	2	100	1	-46	0.9342
58	R445 Naas Rd. WB	1200	536.00	486.00	-50.00	2.21	1	1	2	100	1	-50	0.9067
59	R448 Kilcullen Rd NB	1200	547.00	466.00	-81.00	3.60	1	1	2	100	1	-81	0.8519
60	R448 Kilcullen Rd SB	1200	213.00	201.00	-12.00	0.83	1	1	2	100	1	-12	0.9437
61	Newtown Rd. EB	1000	22.00	18.00	-4.00	0.89	1	1	2	100	1	-4	0.8182
62	Newtown Rd. WB	1000	33.00	42.00	9.00	1.47	1	1	2	100	1	9	1.2727
		41337	41519	182			62	56			55		

Average
GEH

2.030

Inter Peak Light Traffic

Link No.	Link Description	Link Capacity (PCU's)	Observed	Modelled	Difference
			Light Traffic	Light Traffic	Light Traffic
1	M7 WB On-Ramp	1800	67.00	94.00	27
2	L2014 Kill Road WB	1000	145.00	141.00	-4
3	L2014 Kill Road EB	1000	127.00	133.00	6
4	R445 Dublin Road NB	2400	572.00	479.00	-93
5	R445 Dublin Road SB	1200	562.00	477.00	-85
6	M7 SB Off-Ramp	1800	308.00	311.00	3
7	M7 SB On-Ramp	1800	301.00	303.00	2
8	M7 NB Off-Ramp	1800	251.00	246.00	-5
9	Newhall Overbridge EB	1100	394.00	349.00	-45
10	Newhall Overbridge WB	1100	436.00	424.00	-12
11	L2031 SB	700	85.00	81.00	-4
12	L2031 NB	700	83.00	78.00	-5
13	Monread Rd. WB	1200	516.00	478.00	-38
14	Monread Rd. EB	1200	495.00	434.00	-61
15	M7 WB Off-Ramp	1800	166.00	129.00	-37
16	Kerdiffstown Rd. WB	1000	72.00	64.00	-8
17	Kerdiffstown Rd. EB	1000	65.00	78.00	13
18	Monread Rd. EB	1200	549.00	470.00	-79
19	Monread Rd. WB	1200	535.00	515.00	-20
20	L2014-Johnstown WB	1200	61.00	68.00	7
21	L2014-Johnstown EB	1200	81.00	92.00	11
22	Millennium Rd. NB	1200	319.00	299.00	-20
23	Millennium Rd. SB	1200	345.00	363.00	18
24	Millennium Rd. SB	1200	378.00	354.00	-24
25	Millennium Rd. NB	1200	335.00	279.00	-56
26	R407 NB	1200	412.00	348.00	-64
27	R407 SB	1200	421.00	380.00	-41
28	M7 EB at Johnstown	6100	1604.00	1610.00	6
29	M7 On-Ramp WB	1800	144.00	173.00	29
30	M7 Naas Bypass EB	4100	1370.00	1392.00	22
31	M7-On Ramp SB	1800	275.00	282.00	7
32	M7-On Ramp NB	1800	32.00	22.00	-10

		RESULT =	95.45%			RESULT =	96.97%		
		REQD =	85.00%			REQD =	85.00%		
GEH	COUNT	GEH TEST	CLASS TEST	Target Difference	Flow Test	ACT DIFF	FACTOR		
3.01	1	1	2	100	1	27	1.4030		
0.33	1	1	2	100	1	-4	0.9724		
0.53	1	1	2	100	1	6	1.0472		
4.06	1	1	2	100	1	-93	0.8374		
3.73	1	1	2	100	1	-85	0.8488		
0.17	1	1	2	100	1	3	1.0097		
0.12	1	1	2	100	1	2	1.0066		
0.32	1	1	2	100	1	-5	0.9801		
2.33	1	1	2	100	1	-45	0.8858		
0.58	1	1	2	100	1	-12	0.9725		
0.44	1	1	2	100	1	-4	0.9529		
0.56	1	1	2	100	1	-5	0.9398		
1.70	1	1	2	100	1	-38	0.9264		
2.83	1	1	2	100	1	-61	0.8768		
3.05	1	1	2	100	1	-37	0.7771		
0.97	1	1	2	100	1	-8	0.8889		
1.54	1	1	2	100	1	13	1.2000		
3.50	1	1	2	100	1	-79	0.8561		
0.87	1	1	2	100	1	-20	0.9626		
0.87	1	1	2	100	1	7	1.1148		
1.18	1	1	2	100	1	11	1.1358		
1.14	1	1	2	100	1	-20	0.9373		
0.96	1	1	2	100	1	18	1.0522		
1.25	1	1	2	100	1	-24	0.9365		
3.20	1	1	2	100	1	-56	0.8328		
3.28	1	1	2	100	1	-64	0.8447		
2.05	1	1	2	100	1	-41	0.9026		
0.15	1	1	1	241	1	6	1.0037		
2.30	1	1	2	100	1	29	1.2014		
0.59	1	1	1	206	1	22	1.0161		
0.42	1	1	2	100	1	7	1.0255		
1.92	1	1	2	100	1	-10	0.6875		

33	M7 NB at Newbridge	3600	917.00	890.00	-27	0.90	1	1	1	138	1	-27	0.9706
34	R445 Newbridge Rd NB	3400	399.00	440.00	41	2.00	1	1	2	100	1	41	1.1028
35	M7 SB at Newbridge	3600	1036.00	934.00	-102	3.25	1	1	1	155	1	-102	0.9015
36	R407 SB at Sallins Jnct	1200	399.00	427.00	28	1.38	1	1	2	100	1	28	1.0702
37	R407 NB at Sallins Jnct	1200	408.00	453.00	45	2.17	1	1	2	100	1	45	1.1103
38	M7 NB at Lewistown	4100	1313.00	1336.00	23	0.63	1	1	1	197	1	23	1.0175
39	M7 EB On-Ramp	1800	480.00	534.00	54	2.40	1	1	2	100	1	54	1.1125
40	M7 EB Off-Ramp	1800	137.00	187.00	50	3.93	1	1	2	100	1	50	1.3650
41	M7 Naas Bypass WB	4100	1188.00	1243.00	55	1.58	1	1	1	178	1	55	1.0463
42	R445 Newbridge Rd SB	3400	443.00	480.00	37	1.72	1	1	2	100	1	37	1.0835
43	M7 SB at Lewistown	4100	1152.00	1202.00	50	1.46	1	1	1	173	1	50	1.0434
44	R445 Newbridge Rd WB	3400	634.00	583.00	-51	2.07	1	1	2	100	1	-51	0.9196
45	R445 Newbridge Rd EB	3400	550.00	534.00	-16	0.69	1	1	2	100	1	-16	0.9709
46	R445 Johnstown Rd EB	1200	132.00	150.00	18	1.52	1	1	2	100	1	18	1.1364
47	R445 Johnstown Rd WB	2400	597.00	713.00	116	4.53	1	1	2	100	0	116	1.1943
48	R448 Kilcullen Rd. SB	1200	146.00	131.00	-15	1.27	1	1	2	100	1	-15	0.8973
49	R448 Kilcullen Rd. NB	1200	147.00	136.00	-11	0.92	1	1	2	100	1	-11	0.9252
50	M9 NB before Kilcullen	4100	478.00	474.00	-4	0.18	1	1	2	100	1	-4	0.9916
51	M9 SB before Kilcullen	4100	458.00	436.00	-22	1.04	1	1	2	100	1	-22	0.9520
52	M7 WB at Johnstown	6100	1556.00	1580.00	24	0.61	1	1	1	233	1	24	1.0154
53	L2006 EB	700	40.00	84.00	44	5.59	1	0	2	100	1	44	2.1000
54	L2006 WB	700	42.00	44.00	2	0.30	1	1	2	100	1	2	1.0476
55	R410 Blessington Rd. WB	1200	120.00	125.00	5	0.45	1	1	2	100	1	5	1.0417
56	R410 Blessington Rd. EB	1200	120.00	122.00	2	0.18	1	1	2	100	1	2	1.0167
57	L2032 Athgarvan Rd. WB	1000	87.00	83.00	-4	0.43	1	1	2	100	1	-4	0.9540
58	L2032 Athgarvan Rd. EB	1000	81.00	79.00	-2	0.22	1	1	2	100	1	-2	0.9753
59	Canal Bank Rd. NB	700	14.00	0.00	-14	5.29	1	0	2	100	1	-14	0.0000
60	Canal Bank Rd. SB	700	20.00	30.00	10	2.00	1	1	2	100	1	10	1.5000
61	R445 Naas Rd. EB	1200	564.00	451.00	-113	5.02	1	0	2	100	0	-113	0.7996
62	R445 Naas Rd. WB	1200	483.00	421.00	-62	2.92	1	1	2	100	1	-62	0.8716
63	R448 Kilcullen Rd NB	1200	203.00	232.00	29	1.97	1	1	2	100	1	29	1.1429
64	R448 Kilcullen Rd SB	1200	204.00	207.00	3	0.21	1	1	2	100	1	3	1.0147
65	Newtown Rd. EB	1000	22.00	20.00	-2	0.44	1	1	2	100	1	-2	0.9091
66	Newtown Rd. WB	1000	21.00	31.00	10	1.96	1	1	2	100	1	10	1.4762
		26097	25738	-359			66	63			64		

**Average
GEH**

1.684

Inter Peak Heavy Traffic

Link No.	Link Description	Link Capacity (PCU's)	Observed	Modelled	Difference
			Heavy Traffic	Heavy Traffic	Heavy Traffic
1	M7 WB On-Ramp	1800	0.00	5.00	5
2	L2014 Kill Road WB	1000	4.00	5.00	1
3	L2014 Kill Road EB	1000	4.00	4.00	0
4	R445 Dublin Road NB	2400	34.00	37.00	3
5	R445 Dublin Road SB	1200	35.00	35.00	0
6	M7 SB Off-Ramp	1800	56.00	63.00	7
7	M7 SB On-Ramp	1800	51.00	58.00	7
8	M7 NB Off-Ramp	1800	30.00	32.00	2
9	Newhall Overbridge EB	1100	32.00	31.00	-1
10	Newhall Overbridge WB	1100	52.00	51.00	-1
11	L2031 SB	700	34.00	24.00	-10
12	L2031 NB	700	20.00	21.00	1
13	Monread Rd. WB	1200	90.00	52.00	-38
14	Monread Rd. EB	1200	81.00	51.00	-30
15	M7 WB Off-Ramp	1800	3.00	3.00	0
16	Kerdiffstown Rd. WB	1000	1.00	0.00	-1
17	Kerdiffstown Rd. EB	1000	1.00	1.00	0
18	Monread Rd. EB	1200	43.00	56.00	13
19	Monread Rd. WB	1200	45.00	61.00	16
20	L2014-Johnstown WB	1200	3.00	4.00	1
21	L2014-Johnstown EB	1200	4.00	4.00	0
22	Millennium Rd. NB	1200	45.00	30.00	-15
23	Millennium Rd. SB	1200	49.00	30.00	-19
24	Millennium Rd. SB	1200	22.00	26.00	4
25	Millennium Rd. NB	1200	21.00	27.00	6
26	R407 NB	1200	51.00	27.00	-24
27	R407 SB	1200	46.00	23.00	-23
28	M7 EB at Johnstown	6100	260.00	257.00	-3
29	M7 On-Ramp WB	1800	19.00	19.00	0
30	M7 Naas Bypass EB	4100	255.00	243.00	-12
31	M7-On Ramp SB	1800	31.00	35.00	4
32	M7-On Ramp NB	1800	4.00	0.00	-4

RESULT =		100.00 %		RESULT =		100.00%	
REQD =		85.00%		REQD =		85.00%	
GEH	COUNT	GEH TEST	CLASS TEST	Target Difference	Flow Test	ACT DIFF	FACTOR
3.162	1	1	2	100	1	5	-
0.471	1	1	2	100	1	1	1.2500
0.000	1	1	2	100	1	0	1.0000
0.504	1	1	2	100	1	3	1.0882
0.000	1	1	2	100	1	0	1.0000
0.907	1	1	2	100	1	7	1.1250
0.948	1	1	2	100	1	7	1.1373
0.359	1	1	2	100	1	2	1.0667
0.178	1	1	2	100	1	-1	0.9688
0.139	1	1	2	100	1	-1	0.9808
1.857	1	1	2	100	1	-10	0.7059
0.221	1	1	2	100	1	1	1.0500
4.510	1	1	2	100	1	-38	0.5778
3.693	1	1	2	100	1	-30	0.6296
0.000	1	1	2	100	1	0	1.0000
1.414	1	1	2	100	1	-1	0.0000
0.000	1	1	2	100	1	0	1.0000
1.848	1	1	2	100	1	13	1.3023
2.198	1	1	2	100	1	16	1.3556
0.535	1	1	2	100	1	1	1.3333
0.000	1	1	2	100	1	0	1.0000
2.449	1	1	2	100	1	-15	0.6667
3.023	1	1	2	100	1	-19	0.6122
0.816	1	1	2	100	1	4	1.1818
1.225	1	1	2	100	1	6	1.2857
3.843	1	1	2	100	1	-24	0.5294
3.916	1	1	2	100	1	-23	0.5000
0.187	1	1	2	100	1	-3	0.9885
0.000	1	1	2	100	1	0	1.0000
0.760	1	1	2	100	1	-12	0.9529
0.696	1	1	2	100	1	4	1.1290
2.828	1	1	2	100	1	-4	0.0000

33	M7 NB at Newbridge	3600	124.00	144.00	20	1.728	1	1	2	100	1	20	1.1613
34	R445 Newbridge Rd NB	3400	67.00	66.00	-1	0.123	1	1	2	100	1	-1	0.9851
35	M7 SB at Newbridge	3600	121.00	125.00	4	0.361	1	1	2	100	1	4	1.0331
36	R407 SB at Sallins Jnct	1200	5.00	14.00	9	2.920	1	1	2	100	1	9	2.8000
37	R407 NB at Sallins Jnct	1200	6.00	16.00	10	3.015	1	1	2	100	1	10	2.6667
38	M7 NB at Lewistown	4100	235.00	218.00	-17	1.130	1	1	2	100	1	-17	0.9277
39	M7 EB On-Ramp	1800	39.00	39.00	0	0.000	1	1	2	100	1	0	1.0000
40	M7 EB Off-Ramp	1800	20.00	22.00	2	0.436	1	1	2	100	1	2	1.1000
41	M7 Naas Bypass WB	4100	206.00	203.00	-3	0.210	1	1	2	100	1	-3	0.9854
42	R445 Newbridge Rd SB	3400	78.00	64.00	-14	1.661	1	1	2	100	1	-14	0.8205
43	M7 SB at Lewistown	4100	177.00	177.00	0	0.000	1	1	2	100	1	0	1.0000
44	R445 Newbridge Rd WB	3400	55.00	55.00	0	0.000	1	1	2	100	1	0	1.0000
45	R445 Newbridge Rd EB	3400	57.00	53.00	-4	0.539	1	1	2	100	1	-4	0.9298
46	R445 Johnstown Rd EB	1200	11.00	12.00	1	0.295	1	1	2	100	1	1	1.0909
47	R445 Johnstown Rd WB	2400	52.00	51.00	-1	0.139	1	1	2	100	1	-1	0.9808
48	R448 Kilcullen Rd. SB	1200	18.00	16.00	-2	0.485	1	1	2	100	1	-2	0.8889
49	R448 Kilcullen Rd. NB	1200	19.00	13.00	-6	1.500	1	1	2	100	1	-6	0.6842
50	M9 NB before Kilcullen	4100	68.00	80.00	12	1.395	1	1	2	100	1	12	1.1765
51	M9 SB before Kilcullen	4100	68.00	71.00	3	0.360	1	1	2	100	1	3	1.0441
52	M7 WB at Johnstown	6100	215.00	220.00	5	0.339	1	1	2	100	1	5	1.0233
53	L2006 EB	700	8.00	8.00	0	0.000	1	1	2	100	1	0	1.0000
54	L2006 WB	700	5.00	13.00	8	2.667	1	1	2	100	1	8	2.6000
55	R410 Blessington Rd. WB	1200	5.00	9.00	4	1.512	1	1	2	100	1	4	1.8000
56	R410 Blessington Rd. EB	1200	5.00	7.00	2	0.816	1	1	2	100	1	2	1.4000
57	L2032 Athgarvan Rd. WB	1000	3.00	2.00	-1	0.632	1	1	2	100	1	-1	0.6667
58	L2032 Athgarvan Rd. EB	1000	5.00	5.00	0	0.000	1	1	2	100	1	0	1.0000
59	Canal Bank Rd. NB	700	1.00	0.00	-1	1.414	1	1	2	100	1	-1	0.0000
60	Canal Bank Rd. SB	700	2.00	0.00	-2	2.000	1	1	2	100	1	-2	0.0000
61	R445 Naas Rd. EB	1200	63.00	43.00	-20	2.747	1	1	2	100	1	-20	0.6825
62	R445 Naas Rd. WB	1200	54.00	42.00	-12	1.732	1	1	2	100	1	-12	0.7778
63	R448 Kilcullen Rd NB	1200	25.00	30.00	5	0.953	1	1	2	100	1	5	1.2000
64	R448 Kilcullen Rd SB	1200	28.00	32.00	4	0.730	1	1	2	100	1	4	1.1429
65	Newtown Rd. EB	1000	4.00	0.00	-4	2.828	1	1	2	100	1	-4	0.0000
66	Newtown Rd. WB	1000	3.00	2.00	-1	0.632	1	1	2	100	1	-1	0.6667
		3278	3167	-111			66	66			66		

**Average
GEH**

1.182

Inter Peak Total Traffic

Link No.	Link Description	Link Capacity (PCU's)	Observed	Modelled	Difference
			Total Traffic	Total Traffic	Total Traffic
1	M7 WB On-Ramp	1800	67.00	99.00	32.00
2	L2014 Kill Road WB	1000	149.00	146.00	-3.00
3	L2014 Kill Road EB	1000	131.00	136.00	5.00
4	R445 Dublin Road NB	2400	606.00	516.00	-90.00
5	R445 Dublin Road SB	1200	597.00	513.00	-84.00
6	M7 SB Off-Ramp	1800	364.00	374.00	10.00
7	M7 SB On-Ramp	1800	352.00	360.00	8.00
8	M7 NB Off-Ramp	1800	281.00	278.00	-3.00
9	Newhall Overbridge EB	1100	426.00	380.00	-46.00
10	Newhall Overbridge WB	1100	488.00	475.00	-13.00
11	L2031 SB	700	119.00	105.00	-14.00
12	L2031 NB	700	103.00	99.00	-4.00
13	Monread Rd. WB	1200	606.00	530.00	-76.00
14	Monread Rd. EB	1200	576.00	485.00	-91.00
15	M7 WB Off-Ramp	1800	169.00	132.00	-37.00
16	Kerdiffstown Rd. WB	1000	73.00	64.00	-9.00
17	Kerdiffstown Rd. EB	1000	66.00	79.00	13.00
18	Monread Rd. EB	1200	592.00	526.00	-66.00
19	Monread Rd. WB	1200	580.00	576.00	-4.00
20	L2014-Johnstown WB	1200	64.00	71.00	7.00
21	L2014-Johnstown EB	1200	85.00	96.00	11.00
22	Millennium Rd. NB	1200	364.00	329.00	-35.00
23	Millennium Rd. SB	1200	394.00	393.00	-1.00
24	Millennium Rd. SB	1200	400.00	379.00	-21.00
25	Millennium Rd. NB	1200	356.00	307.00	-49.00
26	R407 NB	1200	463.00	375.00	-88.00
27	R407 SB	1200	467.00	402.00	-65.00
28	M7 EB at Johnstown	6100	1864.00	1867.00	3.00
29	M7 On-Ramp WB	1800	163.00	192.00	29.00
30	M7 Naas Bypass EB	4100	1625.00	1636.00	11.00
31	M7-On Ramp SB	1800	306.00	317.00	11.00
32	M7-On Ramp NB	1800	36.00	22.00	-14.00

RESULT =		95.45%		RESULT =		96.97%	
REQD =		85.00%		REQD =		85.00%	
GEH	COUNT	GEH TEST	CLASS TEST	Target Difference	Flow Test	ACT DIFF	FACTOR
3.51	1	1	2	100	1	32	1.4776
0.25	1	1	2	100	1	-3	0.9799
0.43	1	1	2	100	1	5	1.0382
3.80	1	1	2	100	1	-90	0.8515
3.57	1	1	2	100	1	-84	0.8593
0.52	1	1	2	100	1	10	1.0275
0.42	1	1	2	100	1	8	1.0227
0.18	1	1	2	100	1	-3	0.9893
2.29	1	1	2	100	1	-46	0.8920
0.59	1	1	2	100	1	-13	0.9734
1.32	1	1	2	100	1	-14	0.8824
0.40	1	1	2	100	1	-4	0.9612
3.19	1	1	2	100	1	-76	0.8746
3.95	1	1	2	100	1	-91	0.8420
3.02	1	1	2	100	1	-37	0.7811
1.09	1	1	2	100	1	-9	0.8767
1.53	1	1	2	100	1	13	1.1970
2.79	1	1	2	100	1	-66	0.8885
0.17	1	1	2	100	1	-4	0.9931
0.85	1	1	2	100	1	7	1.1094
1.16	1	1	2	100	1	11	1.1294
1.88	1	1	2	100	1	-35	0.9038
0.05	1	1	2	100	1	-1	0.9975
1.06	1	1	2	100	1	-21	0.9475
2.69	1	1	2	100	1	-49	0.8624
4.30	1	1	2	100	1	-88	0.8099
3.12	1	1	2	100	1	-65	0.8608
0.07	1	1	1	280	1	3	1.0016
2.18	1	1	2	100	1	29	1.1779
0.27	1	1	1	244	1	11	1.0068
0.62	1	1	2	100	1	11	1.0359
2.60	1	1	2	100	1	-14	0.6111

33	M7 NB at Newbridge	3600	1041.00	1034.00	-7.00	0.22	1	1	1	156	1	-7	0.9933
34	R445 Newbridge Rd NB	3400	466.00	506.00	40.00	1.81	1	1	2	100	1	40	1.0858
35	M7 SB at Newbridge	3600	1157.00	1060.00	-97.00	2.91	1	1	1	174	1	-97	0.9162
36	R407 SB at Sallins Jnct	1200	404.00	441.00	37.00	1.80	1	1	2	100	1	37	1.0916
37	R407 NB at Sallins Jnct	1200	414.00	468.00	54.00	2.57	1	1	2	100	1	54	1.1304
38	M7 NB at Lewistown	4100	1548.00	1553.00	5.00	0.13	1	1	1	232	1	5	1.0032
39	M7 EB On-Ramp	1800	519.00	573.00	54.00	2.31	1	1	2	100	1	54	1.1040
40	M7 EB Off-Ramp	1800	157.00	209.00	52.00	3.84	1	1	2	100	1	52	1.3312
41	M7 Naas Bypass WB	4100	1394.00	1445.00	51.00	1.35	1	1	1	209	1	51	1.0366
42	R445 Newbridge Rd SB	3400	521.00	544.00	23.00	1.00	1	1	2	100	1	23	1.0441
43	M7 SB at Lewistown	4100	1329.00	1379.00	50.00	1.36	1	1	1	199	1	50	1.0376
44	R445 Newbridge Rd WB	3400	689.00	638.00	-51.00	1.98	1	1	2	100	1	-51	0.9260
45	R445 Newbridge Rd EB	3400	607.00	587.00	-20.00	0.82	1	1	2	100	1	-20	0.9671
46	R445 Johnstown Rd EB	1200	143.00	161.00	18.00	1.46	1	1	2	100	1	18	1.1259
47	R445 Johnstown Rd WB	2400	649.00	764.00	115.00	4.33	1	1	2	100	0	115	1.1772
48	R448 Kilcullen Rd. SB	1200	164.00	147.00	-17.00	1.36	1	1	2	100	1	-17	0.8963
49	R448 Kilcullen Rd. NB	1200	166.00	149.00	-17.00	1.35	1	1	2	100	1	-17	0.8976
50	M9 NB before Kilcullen	4100	546.00	554.00	8.00	0.34	1	1	2	100	1	8	1.0147
51	M9 SB before Kilcullen	4100	526.00	508.00	-18.00	0.79	1	1	2	100	1	-18	0.9658
52	M7 WB at Johnstown	6100	1771.00	1800.00	29.00	0.69	1	1	1	266	1	29	1.0164
53	L2006 EB	700	48.00	92.00	44.00	5.26	1	0	2	100	1	44	1.9167
54	L2006 WB	700	47.00	57.00	10.00	1.39	1	1	2	100	1	10	1.2128
55	R410 Blessington Rd. WB	1200	125.00	134.00	9.00	0.79	1	1	2	100	1	9	1.0720
56	R410 Blessington Rd. EB	1200	125.00	130.00	5.00	0.44	1	1	2	100	1	5	1.0400
57	L2032 Athgarvan Rd. WB	1000	90.00	85.00	-5.00	0.53	1	1	2	100	1	-5	0.9444
58	L2032 Athgarvan Rd. EB	1000	86.00	84.00	-2.00	0.22	1	1	2	100	1	-2	0.9767
59	Canal Bank Rd. NB	700	15.00	0.00	-15.00	5.48	1	0	2	100	1	-15	0.0000
60	Canal Bank Rd. SB	700	22.00	30.00	8.00	1.57	1	1	2	100	1	8	1.3636
61	R445 Naas Rd. EB	1200	627.00	494.00	-133.00	5.62	1	0	2	100	0	-133	0.7879
62	R445 Naas Rd. WB	1200	537.00	463.00	-74.00	3.31	1	1	2	100	1	-74	0.8622
63	R448 Kilcullen Rd NB	1200	228.00	262.00	34.00	2.17	1	1	2	100	1	34	1.1491
64	R448 Kilcullen Rd SB	1200	232.00	239.00	7.00	0.46	1	1	2	100	1	7	1.0302
65	Newtown Rd. EB	1000	26.00	20.00	-6.00	1.25	1	1	2	100	1	-6	0.7692
66	Newtown Rd. WB	1000	24.00	33.00	9.00	1.69	1	1	2	100	1	9	1.3750
			29375	28902	-473			66	63		64		

Average
GEH

1.765

PM Peak Light Traffic

Link No.	Link Description	Link Capacity (PCU's)	Observed	Modelled	Difference
			Light Traffic	Light Traffic	Light Traffic
1	M7 WB On-Ramp	1800	103.00	122.00	19.00
2	L2014 Kill Road WB	1000	229.00	211.00	-18.00
3	L2014 Kill Road EB	1000	175.00	188.00	13.00
4	R445 Dublin Road NB	2400	700.00	652.00	-48.00
5	R445 Dublin Road SB	1200	977.00	685.00	-292.00
6	M7 SB Off-Ramp	1800	574.00	804.00	230.00
7	M7 SB On-Ramp	1800	484.00	490.00	6.00
8	M7 NB Off-Ramp	1600	388.00	389.00	1.00
9	Newhall Overbridge EB	1100	549.00	544.00	-5.00
10	Newhall Overbridge WB	1100	691.00	710.00	19.00
11	L2031 SB	700	84.00	106.00	22.00
12	L2031 NB	700	186.00	152.00	-34.00
13	Monread Rd. WB	1200	643.00	437.00	-206.00
14	Monread Rd. EB	1200	594.00	533.00	-61.00
15	M7 WB Off-Ramp	1800	89.00	91.00	2.00
16	Kerdiffstown Rd. WB	1000	167.00	142.00	-25.00
17	Kerdiffstown Rd. EB	1000	66.00	68.00	2.00
18	Monread Rd. EB	1200	700.00	667.00	-33.00
19	Monread Rd. WB	1200	664.00	688.00	24.00
20	L2014-Johnstown WB	1200	126.00	121.00	-5.00
21	L2014-Johnstown EB	1200	249.00	239.00	-10.00
22	Millennium Rd. NB	1200	436.00	460.00	24.00
23	Millennium Rd. SB	1200	614.00	436.00	-178.00
24	Millennium Rd. SB	1200	670.00	528.00	-142.00
25	Millennium Rd. NB	1200	449.00	422.00	-27.00
26	R407 NB	1200	413.00	366.00	-47.00
27	R407 SB	1200	520.00	471.00	-49.00
28	M7 EB at Johnstown	6100	2317.00	2284.00	-33.00
29	M7 On-Ramp WB	1800	319.00	425.00	106.00
30	M7 Naas Bypass EB	4100	1811.00	1905.00	94.00
31	M7-On Ramp SB	1800	725.00	767.00	42.00
32	M7-On Ramp NB	1800	39.00	24.00	-15.00

RESULT = 90.32%		RESULT = 90.32%					
REQD = 85.00%		REQD = 85.00%					
GEH	COUNT	GEH TEST	CLASS TEST	Target Difference	Flow Test	ACT DIFF	FACTOR
1.79	1	1	2	100	1	19	1.1845
1.21	1	1	2	100	1	-18	0.9214
0.96	1	1	2	100	1	13	1.0743
1.85	1	1	1	105	1	-48	0.9314
10.13	1	0	1	147	0	-292	0.7011
8.76	1	0	2	100	0	230	1.4007
0.27	1	1	2	100	1	6	1.0124
0.05	1	1	2	100	1	1	1.0026
0.21	1	1	2	100	1	-5	0.9909
0.72	1	1	2	100	1	19	1.0275
2.26	1	1	2	100	1	22	1.2619
2.62	1	1	2	100	1	-34	0.8172
8.86	1	0	2	100	0	-206	0.6796
2.57	1	1	2	100	1	-61	0.8973
0.21	1	1	2	100	1	2	1.0225
2.01	1	1	2	100	1	-25	0.8503
0.24	1	1	2	100	1	2	1.0303
1.26	1	1	1	105	1	-33	0.9529
0.92	1	1	2	100	1	24	1.0361
0.45	1	1	2	100	1	-5	0.9603
0.64	1	1	2	100	1	-10	0.9598
1.13	1	1	2	100	1	24	1.0550
7.77	1	0	2	100	0	-178	0.7101
5.80	1	0	2	100	0	-142	0.7881
1.29	1	1	2	100	1	-27	0.9399
2.38	1	1	2	100	1	-47	0.8862
2.20	1	1	2	100	1	-49	0.9058
0.69	1	1	1	348	1	-33	0.9858
5.50	1	0	2	100	0	106	1.3323
2.18	1	1	1	272	1	94	1.0519
1.54	1	1	1	109	1	42	1.0579
2.67	1	1	2	100	1	-15	0.6154

33	M7 NB at Newbridge	3600	1252.00	1203.00	-49.00	1.40	1	1	1	188	1	-49	0.9609
34	R445 Newbridge Rd NB	3400	523.00	589.00	66.00	2.80	1	1	2	100	1	66	1.1262
35	M7 SB at Newbridge	3600	1786.00	1865.00	79.00	1.85	1	1	1	268	1	79	1.0442
36	R407 SB at Sallins Jnct	1200	402.00	450.00	48.00	2.33	1	1	2	100	1	48	1.1194
37	R407 NB at Sallins Jnct	1200	463.00	451.00	-12.00	0.56	1	1	2	100	1	-12	0.9741
38	M7 NB at Lewistown	4100	1745.00	1805.00	60.00	1.42	1	1	1	262	1	60	1.0344
39	M7 EB On-Ramp	1800	622.00	638.00	16.00	0.64	1	1	2	100	1	16	1.0257
40	M7 EB Off-Ramp	1800	161.00	168.00	7.00	0.55	1	1	2	100	1	7	1.0435
41	M7 Naas Bypass WB	4100	3464.00	3656.00	192.00	3.22	1	1	3	800	1	192	1.0554
42	R445 Newbridge Rd SB	3400	560.00	601.00	41.00	1.70	1	1	2	100	1	41	1.0732
43	M7 SB at Lewistown	4100	3610.00	3610.00	0.00	0.00	1	1	3	800	1	0	1.0000
44	R445 Newbridge Rd WB	3400	642.00	584.00	-58.00	2.34	1	1	2	100	1	-58	0.9097
45	R445 Newbridge Rd EB	3400	797.00	789.00	-8.00	0.28	1	1	1	120	1	-8	0.9900
46	R445 Johnstown Rd EB	1200	180.00	189.00	9.00	0.66	1	1	2	100	1	9	1.0500
47	R445 Johnstown Rd WB	2400	1199.00	1138.00	-61.00	1.78	1	1	1	180	1	-61	0.9491
48	R448 Kilcullen Rd. SB	1200	276.00	254.00	-22.00	1.35	1	1	2	100	1	-22	0.9203
49	R448 Kilcullen Rd. NB	1200	141.00	120.00	-21.00	1.84	1	1	2	100	1	-21	0.8511
50	M7 WB at Johnstown	6100	3976.00	4085.00	109.00	1.72	1	1	3	800	1	109	1.0274
51	L2006 EB	700	69.00	48.00	-21.00	2.75	1	1	2	100	1	-21	0.6957
52	L2006 WB	700	84.00	98.00	14.00	1.47	1	1	2	100	1	14	1.1667
53	L2032 Athgarvan Rd. WB	1000	203.00	157.00	-46.00	3.43	1	1	2	100	1	-46	0.7734
54	L2032 Athgarvan Rd. EB	1000	92.00	85.00	-7.00	0.74	1	1	2	100	1	-7	0.9239
55	Canal Bank Rd. NB	700	56.00	47.00	-9.00	1.25	1	1	2	100	1	-9	0.8393
56	Canal Bank Rd. SB	700	23.00	28.00	5.00	0.99	1	1	2	100	1	5	1.2174
57	R445 Naas Rd. EB	1200	544.00	595.00	51.00	2.14	1	1	2	100	1	51	1.0938
58	R445 Naas Rd. WB	1200	392.00	483.00	91.00	4.35	1	1	2	100	1	91	1.2321
59	R448 Kilcullen Rd NB	1200	198.00	233.00	35.00	2.38	1	1	2	100	1	35	1.1768
60	R448 Kilcullen Rd SB	1200	422.00	339.00	-83.00	4.26	1	1	2	100	1	-83	0.8033
61	Newtown Rd. EB	1000	15.00	19.00	4.00	0.97	1	1	2	100	1	4	1.2667
62	Newtown Rd. WB	1000	26.00	34.00	8.00	1.46	1	1	2	100	1	8	1.3077
		40674	40488	-186			62	56			56		

**Average
GEH**

2.158

PM Peak Heavy Traffic

Link No.	Link Description	Link Capacity (PCU's)	Observed	Modelled	Difference	RESULT = 91.94%		RESULT = 100.00%		CLASS TEST	ACT DIFF	FACTOR	
			Heavy Traffic	Heavy Traffic	Heavy Traffic	REQD = 85.00%	REQD = 85.00%	Target Difference	Flow Test				
			GEH	COUNT	GEH TEST								
1	M7 WB On-Ramp	1800	3.00	5.00	2.00	1.000	1	1	2	100	1	2	1.6667
2	L2014 Kill Road WB	1000	6.00	5.00	-1.00	0.426	1	1	2	100	1	-1	0.8333
3	L2014 Kill Road EB	1000	3.00	4.00	1.00	0.535	1	1	2	100	1	1	1.3333
4	R445 Dublin Road NB	2400	23.00	23.00	0.00	0.000	1	1	2	100	1	0	1.0000
5	R445 Dublin Road SB	1200	24.00	16.00	-8.00	1.789	1	1	2	100	1	-8	0.6667
6	M7 SB Off-Ramp	1800	40.00	49.00	9.00	1.349	1	1	2	100	1	9	1.2250
7	M7 SB On-Ramp	1800	32.00	37.00	5.00	0.851	1	1	2	100	1	5	1.1563
8	M7 NB Off-Ramp	1600	24.00	25.00	1.00	0.202	1	1	2	100	1	1	1.0417
9	Newhall Overbridge EB	1100	32.00	27.00	-5.00	0.921	1	1	2	100	1	-5	0.8438
10	Newhall Overbridge WB	1100	42.00	45.00	3.00	0.455	1	1	2	100	1	3	1.0714
11	L2031 SB	700	25.00	21.00	-4.00	0.834	1	1	2	100	1	-4	0.8400
12	L2031 NB	700	21.00	18.00	-3.00	0.679	1	1	2	100	1	-3	0.8571
13	Monread Rd. WB	1200	69.00	22.00	-47.00	6.968	1	0	2	100	1	-47	0.3188
14	Monread Rd. EB	1200	56.00	30.00	-26.00	3.965	1	1	2	100	1	-26	0.5357
15	M7 WB Off-Ramp	1800	3.00	4.00	1.00	0.535	1	1	2	100	1	1	1.3333
16	Kerdiffstown Rd. WB	1000	0.00	1.00	1.00	1.414	1	1	2	100	1	1	-
17	Kerdiffstown Rd. EB	1000	0.00	1.00	1.00	1.414	1	1	2	100	1	1	-
18	Monread Rd. EB	1200	28.00	29.00	1.00	0.187	1	1	2	100	1	1	1.0357
19	Monread Rd. WB	1200	18.00	24.00	6.00	1.309	1	1	2	100	1	6	1.3333
20	L2014-Johnstown WB	1200	0.00	1.00	1.00	1.414	1	1	2	100	1	1	-
21	L2014-Johnstown EB	1200	4.00	3.00	-1.00	0.535	1	1	2	100	1	-1	0.7500
22	Millennium Rd. NB	1200	39.00	31.00	-8.00	1.352	1	1	2	100	1	-8	0.7949
23	Millennium Rd. SB	1200	51.00	17.00	-34.00	5.831	1	0	2	100	1	-34	0.3333
24	Millennium Rd. SB	1200	16.00	17.00	1.00	0.246	1	1	2	100	1	1	1.0625
25	Millennium Rd. NB	1200	23.00	24.00	1.00	0.206	1	1	2	100	1	1	1.0435
26	R407 NB	1200	41.00	3.00	-38.00	8.102	1	0	2	100	1	-38	0.0732
27	R407 SB	1200	46.00	2.00	-44.00	8.981	1	0	2	100	1	-44	0.0435
28	M7 EB at Johnstown	6100	196.00	180.00	-16.00	1.167	1	1	2	100	1	-16	0.9184
29	M7 On-Ramp WB	1800	12.00	18.00	6.00	1.549	1	1	2	100	1	6	1.5000
30	M7 Naas Bypass EB	4100	167.00	160.00	-7.00	0.547	1	1	2	100	1	-7	0.9581

31	M7-On Ramp SB	1800	20.00	20.00	0.00	0.000	1	1	2	100	1	0	1.0000
32	M7-On Ramp NB	1800	1.00	1.00	0.00	0.000	1	1	2	100	1	0	1.0000
33	M7 NB at Newbridge	3600	109.00	93.00	-16.00	1.592	1	1	2	100	1	-16	0.8532
34	R445 Newbridge Rd NB	3400	44.00	37.00	-7.00	1.100	1	1	2	100	1	-7	0.8409
35	M7 SB at Newbridge	3600	94.00	84.00	-10.00	1.060	1	1	2	100	1	-10	0.8936
36	R407 SB at Sallins Jnct	1200	3.00	4.00	1.00	0.535	1	1	2	100	1	1	1.3333
37	R407 NB at Sallins Jnct	1200	1.00	2.00	1.00	0.816	1	1	2	100	1	1	2.0000
38	M7 NB at Lewistown	4100	158.00	149.00	-9.00	0.726	1	1	2	100	1	-9	0.9430
39	M7 EB On-Ramp	1800	30.00	29.00	-1.00	0.184	1	1	2	100	1	-1	0.9667
40	M7 EB Off-Ramp	1800	10.00	6.00	-4.00	1.414	1	1	2	100	1	-4	0.6000
41	M7 Naas Bypass WB	4100	155.00	147.00	-8.00	0.651	1	1	2	100	1	-8	0.9484
42	R445 Newbridge Rd SB	3400	63.00	48.00	-15.00	2.013	1	1	2	100	1	-15	0.7619
43	M7 SB at Lewistown	4100	134.00	116.00	-18.00	1.610	1	1	2	100	1	-18	0.8657
44	R445 Newbridge Rd WB	3400	41.00	30.00	-11.00	1.846	1	1	2	100	1	-11	0.7317
45	R445 Newbridge Rd EB	3400	32.00	34.00	2.00	0.348	1	1	2	100	1	2	1.0625
46	R445 Johnstown Rd EB	1200	3.00	6.00	3.00	1.414	1	1	2	100	1	3	2.0000
47	R445 Johnstown Rd WB	2400	26.00	33.00	7.00	1.289	1	1	2	100	1	7	1.2692
48	R448 Kilcullen Rd. SB	1200	23.00	0.00	-23.00	6.782	1	0	2	100	1	-23	0.0000
49	R448 Kilcullen Rd. NB	1200	13.00	12.00	-1.00	0.283	1	1	2	100	1	-1	0.9231
50	M7 WB at Johnstown	6100	154.00	153.00	-1.00	0.081	1	1	2	100	1	-1	0.9935
51	L2006 EB	700	9.00	11.00	2.00	0.632	1	1	2	100	1	2	1.2222
52	L2006 WB	700	7.00	9.00	2.00	0.707	1	1	2	100	1	2	1.2857
53	L2032 Athgarvan Rd. WB	1000	3.00	4.00	1.00	0.535	1	1	2	100	1	1	1.3333
54	L2032 Athgarvan Rd. EB	1000	2.00	2.00	0.00	0.000	1	1	2	100	1	0	1.0000
55	Canal Bank Rd. NB	700	2.00	2.00	0.00	0.000	1	1	2	100	1	0	1.0000
56	Canal Bank Rd. SB	700	1.00	2.00	1.00	0.816	1	1	2	100	1	1	2.0000
57	R445 Naas Rd. EB	1200	46.00	30.00	-16.00	2.596	1	1	2	100	1	-16	0.6522
58	R445 Naas Rd. WB	1200	29.00	25.00	-4.00	0.770	1	1	2	100	1	-4	0.8621
59	R448 Kilcullen Rd NB	1200	14.00	14.00	0.00	0.000	1	1	2	100	1	0	1.0000
60	R448 Kilcullen Rd SB	1200	32.00	12.00	-20.00	4.264	1	1	2	100	1	-20	0.3750
61	Newtown Rd. EB	1000	1.00	2.00	1.00	0.816	1	1	2	100	1	1	2.0000
62	Newtown Rd. WB	1000	0.00	1.00	1.00	1.414	1	1	2	100	1	1	-
		2304	1960	-344			62	57			62		

Average
GEH

1.469

PM Peak Total Traffic

Link No.	Link Description	Link Capacity (PCU's)	Observed	Modelled	Difference	RESULT = 88.71%		RESULT = 88.71%		ACT DIFF	FACTOR		
			Total Traffic	Total Traffic	Total Traffic	REQD = 85.00%	REQD = 85.00%						
						GEH	COUNT	GEH TEST	CLASS TEST	Target Difference	Flow Test		
1	M7 WB On-Ramp	1800	106.00	127.00	21.00	1.95	1	1	2	100	1	21	1.1981
2	L2014 Kill Road WB	1000	235.00	216.00	-19.00	1.27	1	1	2	100	1	-19	0.9191
3	L2014 Kill Road EB	1000	178.00	191.00	13.00	0.96	1	1	2	100	1	13	1.0730
4	R445 Dublin Road NB	2400	723.00	675.00	-48.00	1.82	1	1	1	108	1	-48	0.9336
5	R445 Dublin Road SB	1200	1001.00	701.00	-300.00	10.28	1	0	1	150	0	-300	0.7003
6	M7 SB Off-Ramp	1800	614.00	852.00	238.00	8.79	1	0	2	100	0	238	1.3876
7	M7 SB On-Ramp	1800	516.00	527.00	11.00	0.48	1	1	2	100	1	11	1.0213
8	M7 NB Off-Ramp	1600	412.00	415.00	3.00	0.15	1	1	2	100	1	3	1.0073
9	Newhall Overbridge EB	1100	581.00	571.00	-10.00	0.42	1	1	2	100	1	-10	0.9828
10	Newhall Overbridge WB	1100	733.00	755.00	22.00	0.81	1	1	1	110	1	22	1.0300
11	L2031 SB	700	109.00	127.00	18.00	1.66	1	1	2	100	1	18	1.1651
12	L2031 NB	700	207.00	170.00	-37.00	2.69	1	1	2	100	1	-37	0.8213
13	Monread Rd. WB	1200	712.00	459.00	-253.00	10.46	1	0	1	107	0	-253	0.6447
14	Monread Rd. EB	1200	650.00	563.00	-87.00	3.53	1	1	2	100	1	-87	0.8662
15	M7 WB Off-Ramp	1800	92.00	95.00	3.00	0.31	1	1	2	100	1	3	1.0326
16	Kerdiffstown Rd. WB	1000	167.00	142.00	-25.00	2.01	1	1	2	100	1	-25	0.8503
17	Kerdiffstown Rd. EB	1000	66.00	70.00	4.00	0.49	1	1	2	100	1	4	1.0606
18	Monread Rd. EB	1200	728.00	696.00	-32.00	1.20	1	1	1	109	1	-32	0.9560
19	Monread Rd. WB	1200	682.00	712.00	30.00	1.14	1	1	2	100	1	30	1.0440
20	L2014-Johnstown WB	1200	126.00	122.00	-4.00	0.36	1	1	2	100	1	-4	0.9683
21	L2014-Johnstown EB	1200	253.00	242.00	-11.00	0.70	1	1	2	100	1	-11	0.9565
22	Millennium Rd. NB	1200	475.00	490.00	15.00	0.68	1	1	2	100	1	15	1.0316
23	Millennium Rd. SB	1200	665.00	453.00	-212.00	8.97	1	0	2	100	0	-212	0.6812
24	Millennium Rd. SB	1200	686.00	545.00	-141.00	5.68	1	0	2	100	0	-141	0.7945
25	Millennium Rd. NB	1200	472.00	446.00	-26.00	1.21	1	1	2	100	1	-26	0.9449
26	R407 NB	1200	454.00	369.00	-85.00	4.19	1	1	2	100	1	-85	0.8128
27	R407 SB	1200	566.00	472.00	-94.00	4.13	1	1	2	100	1	-94	0.8339
28	M7 EB at Johnstown	6100	2513.00	2464.00	-49.00	0.98	1	1	1	377	1	-49	0.9805
29	M7 On-Ramp WB	1800	331.00	443.00	112.00	5.69	1	0	2	100	0	112	1.3384
30	M7 Naas Bypass EB	4100	1978.00	2066.00	88.00	1.96	1	1	1	297	1	88	1.0445

31	M7-On Ramp SB	1800	745.00	787.00	42.00	1.52	1	1	1	112	1	42	1.0564
32	M7-On Ramp NB	1800	40.00	25.00	-15.00	2.63	1	1	2	100	1	-15	0.6250
33	M7 NB at Newbridge	3600	1361.00	1297.00	-64.00	1.76	1	1	1	204	1	-64	0.9530
34	R445 Newbridge Rd NB	3400	567.00	627.00	60.00	2.46	1	1	2	100	1	60	1.1058
35	M7 SB at Newbridge	3600	1880.00	1948.00	68.00	1.55	1	1	1	282	1	68	1.0362
36	R407 SB at Sallins Jnct	1200	405.00	455.00	50.00	2.41	1	1	2	100	1	50	1.1235
37	R407 NB at Sallins Jnct	1200	464.00	453.00	-11.00	0.51	1	1	2	100	1	-11	0.9763
38	M7 NB at Lewistown	4100	1903.00	1954.00	51.00	1.16	1	1	1	285	1	51	1.0268
39	M7 EB On-Ramp	1800	652.00	668.00	16.00	0.62	1	1	2	100	1	16	1.0245
40	M7 EB Off-Ramp	1800	171.00	174.00	3.00	0.23	1	1	2	100	1	3	1.0175
41	M7 Naas Bypass WB	4100	3619.00	3802.00	183.00	3.00	1	1	3	800	1	183	1.0506
42	R445 Newbridge Rd SB	3400	623.00	649.00	26.00	1.03	1	1	2	100	1	26	1.0417
43	M7 SB at Lewistown	4100	3744.00	3726.00	-18.00	0.29	1	1	3	800	1	-18	0.9952
44	R445 Newbridge Rd WB	3400	683.00	613.00	-70.00	2.75	1	1	2	100	1	-70	0.8975
45	R445 Newbridge Rd EB	3400	829.00	823.00	-6.00	0.21	1	1	1	124	1	-6	0.9928
46	R445 Johnstown Rd EB	1200	183.00	194.00	11.00	0.80	1	1	2	100	1	11	1.0601
47	R445 Johnstown Rd WB	2400	1225.00	1171.00	-54.00	1.56	1	1	1	184	1	-54	0.9559
48	R448 Kilcullen Rd. SB	1200	299.00	254.00	-45.00	2.71	1	1	2	100	1	-45	0.8495
49	R448 Kilcullen Rd. NB	1200	154.00	133.00	-21.00	1.75	1	1	2	100	1	-21	0.8636
50	M7 WB at Johnstown	6100	4130.00	4239.00	109.00	1.69	1	1	3	800	1	109	1.0264
51	L2006 EB	700	78.00	59.00	-19.00	2.30	1	1	2	100	1	-19	0.7564
52	L2006 WB	700	91.00	107.00	16.00	1.61	1	1	2	100	1	16	1.1758
53	L2032 Athgarvan Rd. WB	1000	206.00	162.00	-44.00	3.24	1	1	2	100	1	-44	0.7864
54	L2032 Athgarvan Rd. EB	1000	94.00	87.00	-7.00	0.74	1	1	2	100	1	-7	0.9255
55	Canal Bank Rd. NB	700	58.00	50.00	-8.00	1.09	1	1	2	100	1	-8	0.8621
56	Canal Bank Rd. SB	700	24.00	30.00	6.00	1.15	1	1	2	100	1	6	1.2500
57	R445 Naas Rd. EB	1200	590.00	625.00	35.00	1.42	1	1	2	100	1	35	1.0593
58	R445 Naas Rd. WB	1200	421.00	509.00	88.00	4.08	1	1	2	100	1	88	1.2090
59	R448 Kilcullen Rd NB	1200	212.00	247.00	35.00	2.31	1	1	2	100	1	35	1.1651
60	R448 Kilcullen Rd SB	1200	454.00	351.00	-103.00	5.13	1	0	2	100	0	-103	0.7731
61	Newtown Rd. EB	1000	16.00	21.00	5.00	1.16	1	1	2	100	1	5	1.3125
62	Newtown Rd. WB	1000	26.00	36.00	10.00	1.80	1	1	2	100	1	10	1.3846
		42978	42452	-526			62	55			55		

Average
GEH

2.284