

# LEEDS CENTRAL CORDON : 2009 TRAFFIC FLOWS

## 1. INTRODUCTION

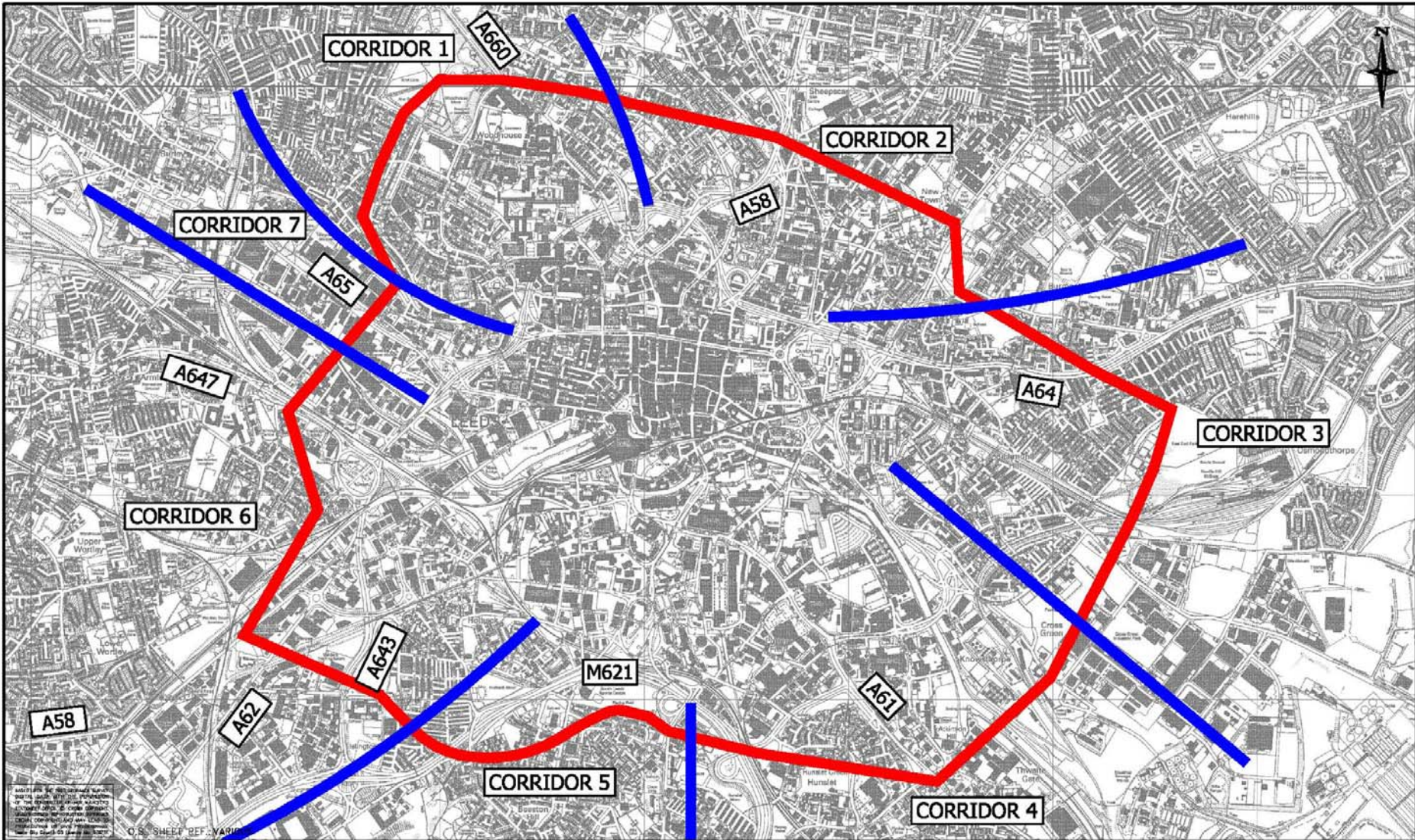
1.1 Traffic data are collected annually at 34 sites on a cordon around central Leeds as part of the Long Term Monitoring Programme (LTMP). This note summarises the results of the 2009 survey in tabular form and updates the information in the biennial Monitoring Report last produced in 2008.

1.2 For more detailed information please contact Transport Policy Monitoring on :

0113 247 6342 or 0113 395 0429 or by email at :


[transport.statistics@leeds.gov.uk](mailto:transport.statistics@leeds.gov.uk)





LOCATION OF LEEDS CENTRAL AREA CORDON  
 AND L.T.P. CORRIDORS

	INITIALS	DATE	SCALE
DRAWN	K.M.	11/00	N.T.S.
ACAD	AM	3/07	
CHECK			


**LEEDS CITY COUNCIL**

DRAWING NUMBER: **FIGURE 2.1**  
 DATE: **March 2007**

Corridor	2009 Weekday Traffic Flows								
	0800 – 0900 hours			1700 – 1800 hours			24 hours		
	In	Out	2-Way	In	Out	2-Way	In	Out	2-Way
1 A660 Woodhouse Lane	1840	1030	2870	1230	2000	3230	20050	19840	39890
2 A61/A58 Sheepscar	6960	4560	11520	4550	7030	11580	73150	72950	146100
3 A64 York Road	4550	2760	7310	2590	4110	6700	42090	41160	83250
4 A61 Low Road/M621S	7500	5130	12630	5830	7190	13020	78260	73920	152180
5 M621W/Dewsbury Road	4880	3310	8190	3980	4580	8560	55320	49770	105090
6 Armley Road/Ingram Road	6350	5270	11620	4820	6880	11700	74740	80390	155130
7 Kirkstall Road/Burley Road	2680	1770	4450	1780	2250	4030	30360	29010	59370
<b>Total</b>	<b>34760</b>	<b>23830</b>	<b>58590</b>	<b>24780</b>	<b>34040</b>	<b>58820</b>	<b>373970</b>	<b>367040</b>	<b>741010</b>

Corridor	2009 Saturday Traffic Flows								
	1200-1300 hours			1700 – 1800 hours			24 hours		
	In	Out	2-Way	In	Out	2-Way	In	Out	2-Way
1 A660 Woodhouse Lane	1140	1050	2190	940	1030	1970	17730	17730	35460
2 A61/A58 Sheepscar	4420	4210	8630	3230	4050	7280	58270	56850	115120
3 A64 York Road	2360	2440	4800	1650	1950	3600	30340	30090	60430
4 A61 Low Road/M621S	4060	3530	7590	2600	3030	5630	46980	43550	90530
5 M621W/Dewsbury Road	2890	2820	5710	2260	2350	4610	37840	34890	72730
6 Armley Road/Ingram Road	4540	4610	9150	3340	3890	7230	56790	60230	117020
7 Kirkstall Road/Burley Road	1850	1650	3500	1380	1570	2950	25450	24760	50210
<b>Total</b>	<b>21260</b>	<b>20310</b>	<b>41570</b>	<b>15400</b>	<b>17870</b>	<b>33270</b>	<b>273400</b>	<b>268100</b>	<b>541500</b>

Corridor	2009 Sunday Traffic Flows								
	1200-1300 hours			1700 – 1800 hours			24 hours		
	In	Out	2-Way	In	Out	2-Way	In	Out	2-Way
1 A660 Woodhouse Lane	1000	860	1860	1040	960	2000	14960	14570	29530
2 A61/A58 Sheepscar	3670	3550	7220	2960	3410	6370	47630	47630	95260
3 A64 York Road	2660	2500	5160	1450	1620	3070	28950	28280	57230
4 A61 Low Road/M621S	3300	3380	6680	2480	2450	4930	38930	36860	75790
5 M621W/Dewsbury Road	2810	2390	5200	1960	1970	3930	31480	29260	60740
6 Armley Road/Ingram Road	3910	4240	8150	3140	3830	6970	47860	52250	100110
7 Kirkstall Road/Burley Road	1560	1570	3130	1610	1500	3110	22160	21720	43880
<b>Total</b>	<b>18910</b>	<b>18490</b>	<b>37400</b>	<b>14640</b>	<b>15740</b>	<b>30380</b>	<b>231970</b>	<b>230570</b>	<b>462540</b>

### Leeds Central Cordon 2009: Traffic Flows

**Daily Variation and Peak to Daily Factors.**

Time Period	% Of Average Weekday Inbound Traffic Flow						
	Mon	Tue	Wed	Thu	Fri	Sat	Sun
24 hours	96.9	99.4	99.1	101.8	102.8	73.1	62.1
0800 - 0900	99.6	102.5	101.2	100.9	95.8	34.7	19.9
1700 - 1800	100.2	101.4	100.0	101.0	97.4	62.6	59.5

Time Period	% Of Average Weekday Outbound Traffic Flow						
	Mon	Tue	Wed	Thu	Fri	Sat	Sun
24 hours	96.2	98.8	99.7	102.4	103.0	73.1	62.8
0800 - 0900	99.4	99.9	101.7	101.1	97.8	39.3	24.0
1700 - 1800	101.7	102.7	100.9	100.4	94.4	52.7	46.5

Time Period	% Of Average Weekday 2-Way Traffic Flow						
	Mon	Tue	Wed	Thu	Fri	Sat	Sun
24 hours	96.6	99.1	99.4	102.1	102.9	73.1	62.4
0800 - 0900	99.6	101.4	101.4	100.9	96.7	36.6	21.6
1700 - 1800	101.1	102.2	100.5	100.6	95.7	56.9	52.0

**Leeds Central Cordon 2009: Daily Variation in Traffic Flows**

Average Weekday	Inbound Central Cordon Factors		
	am Peak 0800-0900	pm Peak 1700-1800	Both Peaks
24 hour	10.79	15.17	6.31
18 hour	10.40	14.61	6.08
16 hour	10.05	14.12	5.87
12 hour	8.61	12.10	5.03

Average Weekday	Outbound Central Cordon Factors		
	am Peak 0800-0900	pm Peak 1700-1800	Both Peaks
24 hour	15.50	10.83	6.37
18 hour	14.93	10.43	6.14
16 hour	14.35	10.02	5.90
12 hour	12.27	8.57	5.05

Average Weekday	2-Way Central Cordon Factors		
	am Peak 0800-0900	pm Peak 1700-1800	Both Peaks
24 hour	12.70	12.66	6.34
18 hour	12.24	12.19	6.11
16 hour	11.79	11.75	5.89
12 hour	10.10	10.06	5.04

**Leeds Central Cordon 2009: Peak to Daily Traffic Flow Factors**

Factor	Average weekday Flow
12 hour - 16 hour factor	1.17
12 hour - 18 hour factor	1.21
12 hour - 24 hour factor	1.26

**Leeds Central Cordon 2009: 2-way flows : 12 hour to 16, 18 and 24 hour Factors**

**Peak Period Flows.**

YEAR	am Peak Period Inbound traffic flows		
	0700 - 1000 (P1)	0800 - 0900 (P2)	Ratio P2/P1
1990	87,180	35,596	0.408
1992	94,877	38,144	0.402
1994	88,423	34,631	0.392
1996	88,883	33,892	0.381
1998	92,326	34,381	0.372
2000	93,536	35,785	0.383
2002	96,988	36,838	0.380
2004	98,280	36,564	0.372
2006	97,111	35,692	0.368
2007	95,187	34,143	0.359
2008	93,772	33,945	0.362
2009	93,074	34,633	0.372

**Leeds Central Cordon: Peak Spreading Ratio AM Peak**

YEAR	pm Peak Period Outbound traffic flows		
	1500 - 1900 (P3)	1700 - 1800 (P4)	Ratio P4/P3
1990	107,951	34,430	0.319
1992	111,875	33,908	0.303
1994	109,200	33,464	0.306
1996	113,705	33,381	0.294
1998	115,778	34,430	0.297
2000	116,190	35,053	0.302
2002	121,185	36,310	0.300
2004	120,708	35,321	0.293
2006	117,388	33,487	0.285
2007	117,895	33,199	0.282
2008	116,846	33,149	0.284
2009	117,688	33,890	0.288

**Leeds Central Cordon: Peak Spreading Ratio PM Peak**

**Car Occupancy and Modal Split.**

Year	Average car occupancy		
	AM peak (0730-0930) Inbound	Inter peak (1400-1500) Outbound	PM peak (1600-1800) Outbound
1998	1.23	1.38	1.32
2000	1.24	1.33	1.29
2002	1.23	1.32	1.29
2004	1.24	1.33	1.31
2005	1.23	1.34	1.31
2006	1.23	1.33	1.30
2007	1.22	1.36	1.31
2008	1.24	1.37	1.31
2009	1.24	1.36	1.30

**Leeds Central Cordon: Car Occupancy 1998 to 2009**

Year	direction	% modal split inbound 0730 – 0930 hours					
		walk	cycle	Motor Cycle	car	bus	train
2000	inbound	2.5	0.4	0.4	61.2	26.1	9.5
2002	inbound	2.6	0.4	0.5	60.9	26.4	9.2
2004	inbound	3.1	0.5	0.5	57.7	27.8	10.3
2005	inbound	3.5	0.5	0.5	57.3	26.0	12.2
2006	inbound	3.3	0.6	0.5	56.5	25.9	13.3
2007	inbound	2.8	0.6	0.5	56.6	24.4	15.0
2008	inbound	2.9	0.9	0.5	55.3	23.7	16.7
2009 *	inbound	3.1	0.9	0.5	55.2	22.5	17.8

\* Change in methodology for rail surveys means 2009 data not directly comparable with previous years.

**Modal Split of All Journeys Crossing Leeds Central Cordon:  
2000 to 2009 (inbound, 0730 - 0930 hours)**

Year	direction	% modal split outbound 1600 – 1800 hours					
		walk	Cycle	Motor Cycle	Car	bus	Train
2000	outbound	2.2	0.4	0.4	60.1	26.3	10.7
2002	outbound	2.4	0.4	0.6	61.0	25.9	9.7
2004	outbound	3.0	0.5	0.5	58.5	27.0	10.5
2005	outbound	2.8	0.5	0.5	59.1	26.1	11.0
2006	outbound	2.9	0.5	0.6	58.0	25.8	12.2
2007	outbound	2.3	0.5	0.5	58.4	25.4	12.7
2008	outbound	2.3	0.6	0.6	58.5	24.4	13.6
2009 *	outbound	2.5	0.7	0.6	57.3	23.0	15.9

\* Change in methodology for rail surveys means 2009 data not directly comparable with previous years.

**Modal Split of All Journeys Crossing Leeds Central Cordon:  
2000 to 2009 (outbound, 1600 - 1800 hours)**

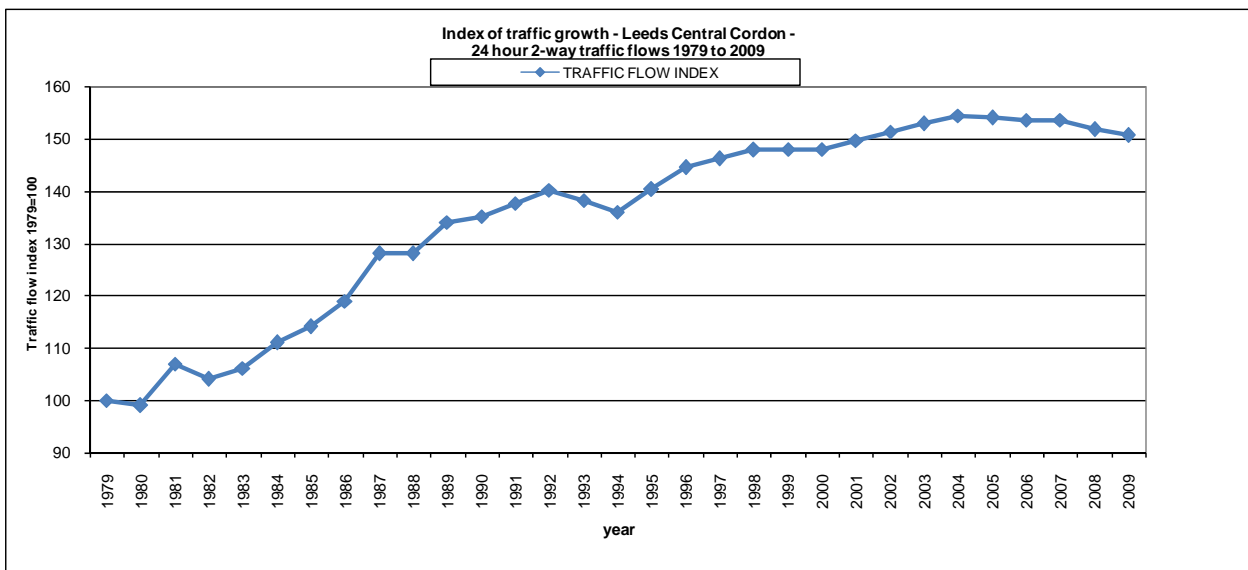
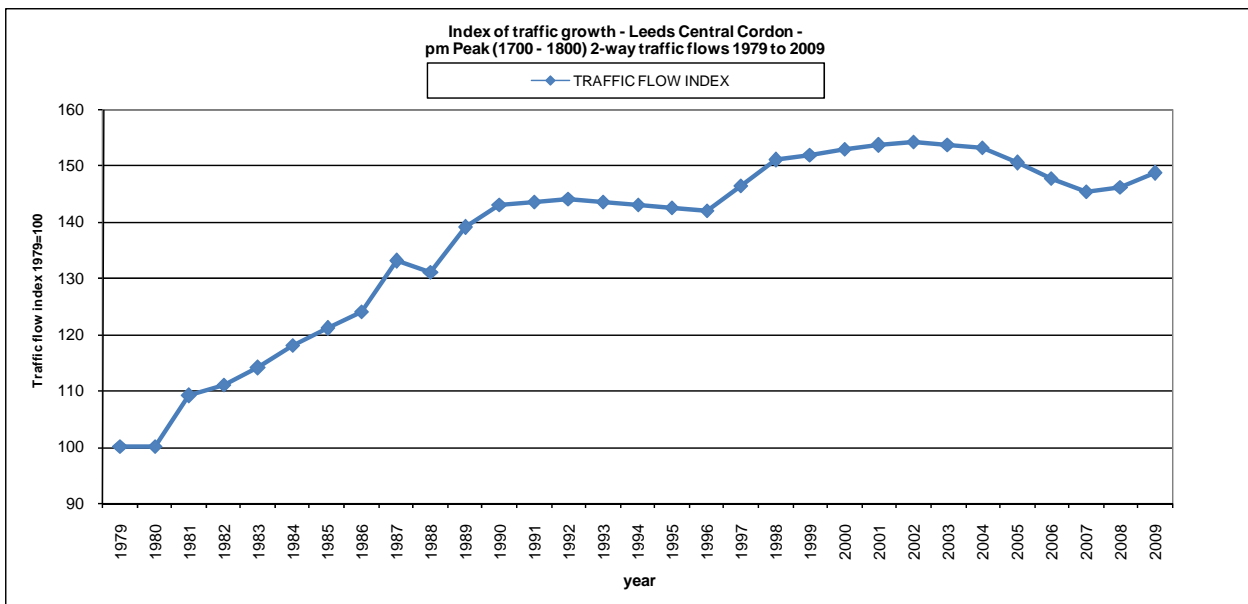
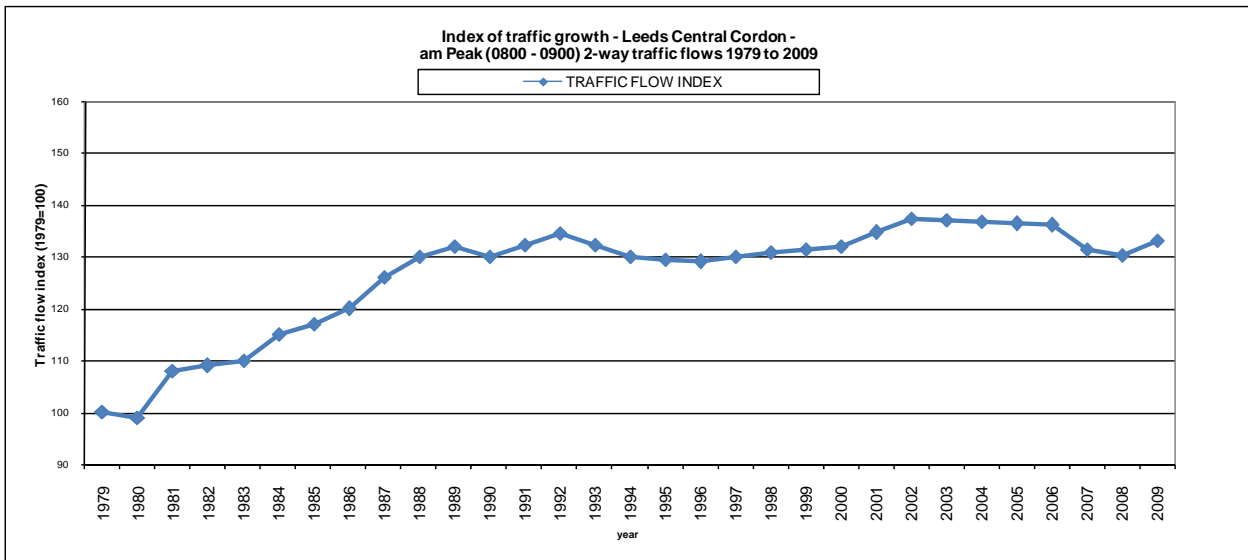
***Changes in Traffic Flows: Total Cordon***

Year	% change in 2-way am peak (0800- 0900) flows	% change in 2-way pm peak (1700- 1800) flows	% change in 2-way 24 hour flows
1980-1985	+18.2	+21.0	+15.2
1985-1990	+11.1	+18.2	+18.4
1990-1995	- 0.4	- 0.3	+ 4.2
1995-2000	+ 2.0	+ 7.3	+ 5.5
2000-2005	+3.3	-1.6	+4.0
2005-2009	-2.4	-1.2	-2.2

**Traffic Flow Changes: Average Weekday 1980 to 2009.**

	% Change in Traffic Flows 1992 - 2009
Average Weekday	<b>+7.7</b>
Saturday	<b>+6.3</b>
Sunday	<b>+17.3</b>

**Weekday, Saturday and Sunday Daily Traffic Flow Changes, 1992 – 2009.**



**Index of Traffic Growth 1979 – 2009.**