

**Report to Chairperson and Members  
of the Transport and Traffic  
Strategic Policy Committee**

**Report on Dublin City Council's Canal Cordon Counts  
2012**

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## 2012 Cordon Counts

Since 1980, Dublin City Council has been conducting traffic counts at 33 locations around the cordon formed by the Royal and Grand Canals. The counts are conducted during the month of November each year. Counts are conducted at each location for each vehicle category as indicated in Table 1. Since 1997 the counts have been conducted over the period 07.00 to 10.00hrs.

The main results of the cordon counts for November 2012 together with the data for each year since 1997 are set out in Table 1.

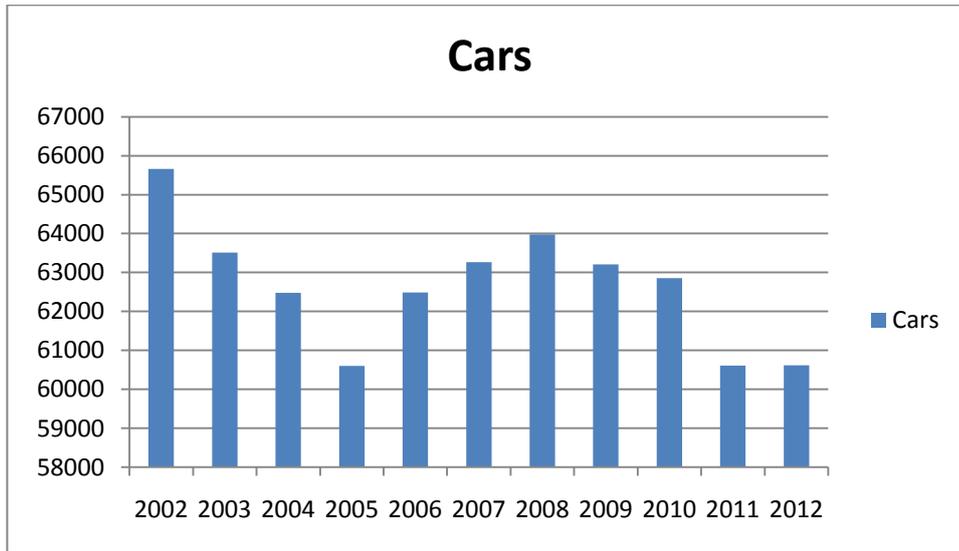
**Table 1**      **Summary Results Canal Cordon Counts 1997 to 2012**  
**Inbound 07.00 to 10.00hrs**

<b>Year</b>	<b>Cars*</b>	<b>Goods</b>	<b>Buses</b>	<b>P.Cycles</b>	<b>M.Cycles</b>	<b>Peds.</b>
<b>(Nov)</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>	<b>No.</b>	<b>No</b>
1997	73,561	3,283	1,459	5,628	1,816	16,679
1998	71,536	3,090	1,350	4,579	1,845	15,565
1999	73,147	3,112	1,454	5,384	2,267	18,157
2000	67,935	3,000	1,521	4,464	2,558	15,808
2001	68,003	3,004	1,522	5,085	2,845	18,558
2002	65,657	2,828	1,576	4,714	2,920	16,609
2003	63,509	2,651	1,563	4,711	2,656	17,305
2004	62,475	3,057	1,537	3,941	2,249	15,241
2005	60,600	2,711	1,601	4,404	2,187	16,332
2006	62,489	2,291	1,680	4,839	2,395	17,114
2007	63,269	1,445	1,740	5,676	2,429	18,594
2008	63,976	1,223	1,814	6,143	2,375	18,360
2009	63,212	1,087	1,704	6,326	2,060	14,618
2010	62,856	993	1,688	5,952	1,656	15,092
2011	60,607	1,176	1,539	6,870	1,485	14,551
2012	60,620	1,099	1,503	7,943	1,425	17,070

\* includes taxis

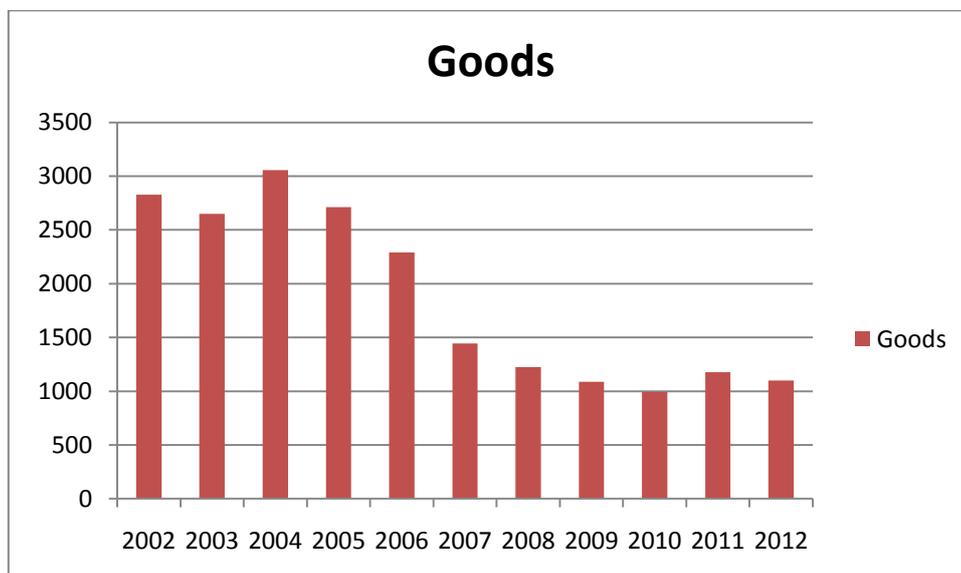
### Cars

Over the 10 year period 2002 to 2012 the volume of cars and taxis crossing the canal cordon inbound during the morning peak period decreased by 7.7%. The volume decreased by 4.2% in the period 2007 to 2012 with a 0.02% decrease in the period 2011 to 2012



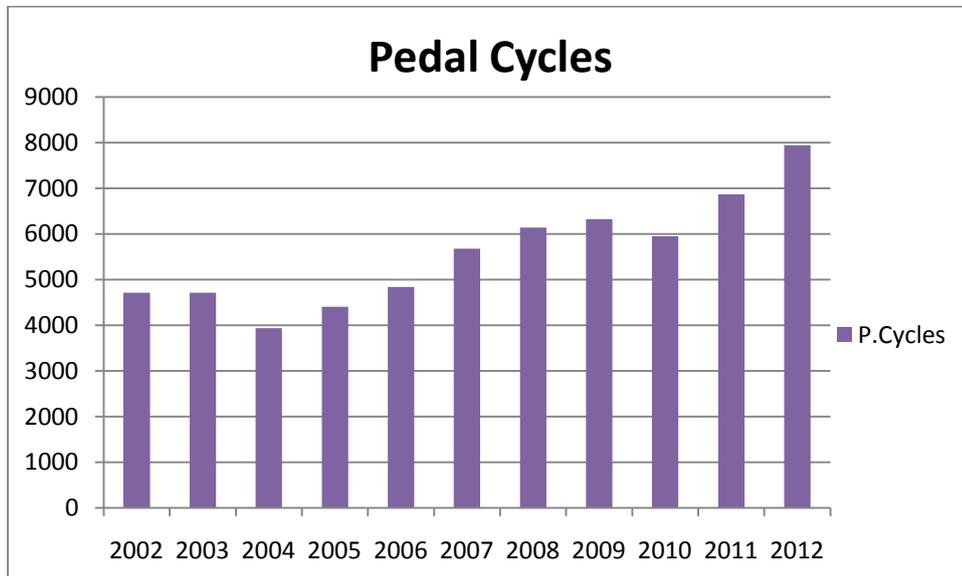
### Goods Vehicles

The number of goods vehicles crossing the canal cordon during the morning peak decreased by 61.1% over the 10-year period 2002 to 2012. There was a decrease of 23.9% over the 5-year period 2007 to 2012 and a decrease of 6.5% between 2011 and 2012.



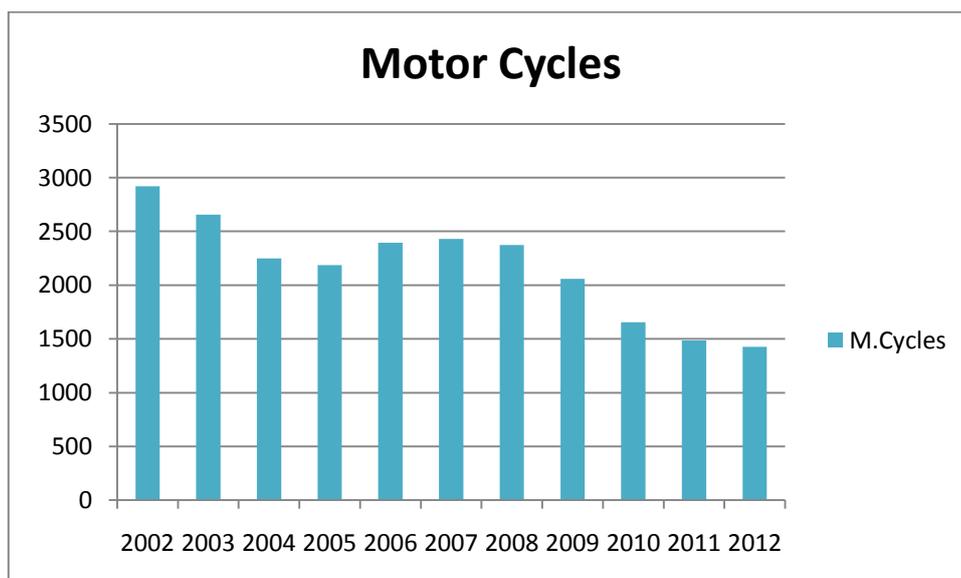
### Cyclists

Over the 10 year period 2002 to 2012 the volume of pedal cyclists crossing the canal cordon during the morning peak period increased by 68.5%. There was a 39.9% increase in the 5-year period from 2007 to 2012 and a 15.6% increase from 2011 to 2012.



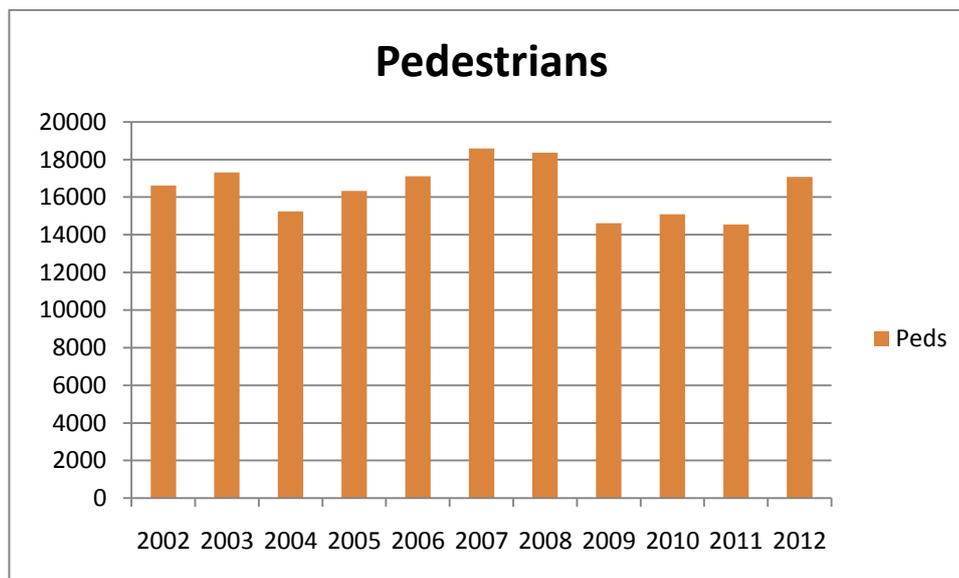
### Motor Cyclists

Over the 10 year period 2002 to 2012 the volume of motor cyclists crossing the canal cordon during the morning peak period decreased by 51.2%. There was a 41.3.0% decrease in the period 2007 to 2012 and a 4.0% decrease from 2011 to 2012



## Pedestrians

Over the 10 year period 2002 to 2012 the volume of pedestrians crossing the cordon during the morning peak period increased by 2.8%. There was a decrease of 8.2% in the period 2007 to 2012 and a 17.3% increase in the period 2011 to 2012.



**Table 2** summarises the changes in inbound traffic volumes of vehicles and pedestrians over 10 years, 5 years and one year as measured at the 33 locations on the canal cordon between 7am and 10am

**Table 2** Change in traffic volumes over 10 years, 5 years & 1 year

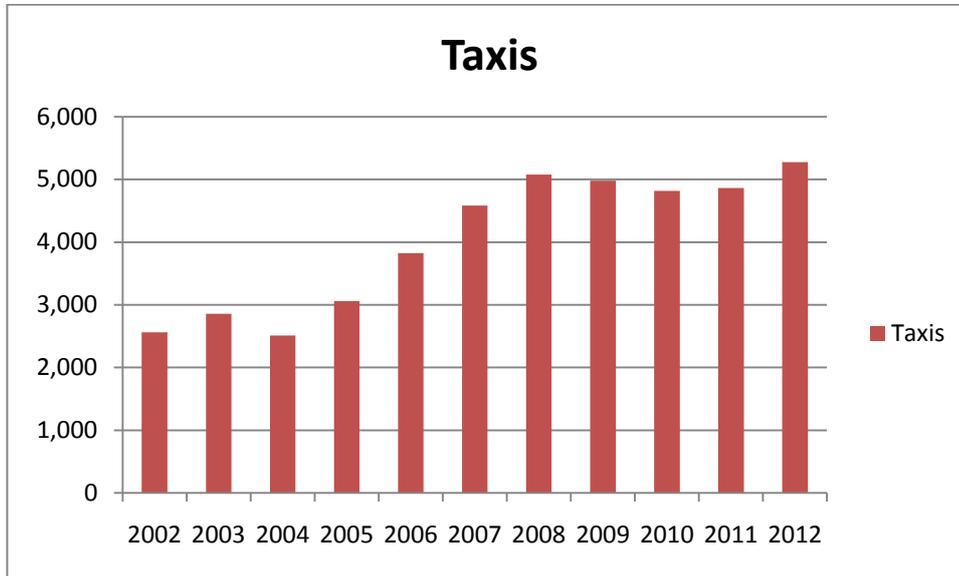
		2002 to 2012	2007 to 2012	2011 to 2012
<b>Cars</b>	<b>No.</b>	-5037	-2649	-13
	<b>%</b>	-7.7%	-4.2%	-0.02%
<b>Goods</b>	<b>No.</b>	-1729	-346	-77
	<b>%</b>	-61.1%	-23.9%	-6.5%
<b>Buses</b>	<b>No.</b>	-73	-237	-36
	<b>%</b>	-4.6%	-13.6%	-2.3%
<b>P.Cycles</b>	<b>No.</b>	+3229	+2267	+1073
	<b>%</b>	+68.5%	+39.9%	+15.6%
<b>M.Cycles</b>	<b>No.</b>	-1495	-1004	-60
	<b>%</b>	-51.2%	-41.3%	-4.0%
<b>All Vehs</b>	<b>No.</b>	-5105	-1969	+913
	<b>%</b>	-6.6%	+2.6%	+1.3%
<b>Peds</b>	<b>No</b>	+461	-1524	+2519
	<b>%</b>	+2.8%	-8.2%	+17.3%

**Table 3** shows information that was collected for the first time in 2002 on the number of taxis and on the breakdown between Bus Atha Cliath (BAC) and other buses.

<b><u>Table 3</u>    <u>Canal Cordon Counts 2002-2012 - Cars, Taxis &amp; Buses</u></b>						
	<b>Cars</b>	<b>Taxis</b>	<b>Total</b>	<b>BAC</b>	<b>Other</b>	<b>Total</b>
<b>2002</b>	63,097 <b>96.1%</b>	2,560 <b>3.9%</b>	65,657 <b>100%</b>	1,262 <b>80.1%</b>	314 <b>19.9%</b>	1,576 <b>100%</b>
<b>2003</b>	60,644 <b>95.5%</b>	2,865 <b>4.5%</b>	63,509 <b>100%</b>	1,262 <b>80.7%</b>	301 <b>19.3%</b>	1,563 <b>100%</b>
<b>2004</b>	59,966 <b>96.0%</b>	2,509 <b>4.0%</b>	62,475 <b>100%</b>	1,278 <b>83.1%</b>	259 <b>16.9%</b>	1,466 <b>100%</b>
<b>2005</b>	57,537 <b>94.9%</b>	3,063 <b>5.1%</b>	60,600 <b>100%</b>	1,337 <b>83.5%</b>	264 <b>16.5%</b>	1,601 <b>100%</b>
<b>2006</b>	58,664 <b>93.9%</b>	3,825 <b>6.1%</b>	62,489 <b>100%</b>	1,338 <b>79.6%</b>	342 <b>20.4%</b>	1,680 <b>100%</b>
<b>2007</b>	58,686 <b>92.8%</b>	4,583 <b>7.2%</b>	63,269 <b>100%</b>	1,330 <b>76.4%</b>	410 <b>23.6%</b>	1,740 <b>100%</b>
<b>2008</b>	58,897 <b>92.1%</b>	5,079 <b>7.9%</b>	63,976 <b>100%</b>	1,474 <b>81.3%</b>	340 <b>18.7%</b>	1,814 <b>100%</b>
<b>2009</b>	58,232 <b>92.1%</b>	4,980 <b>7.9%</b>	63,212 <b>100%</b>	1,366 <b>80.2%</b>	338 <b>19.8%</b>	1,704 <b>100%</b>
<b>2010</b>	58,047 <b>92.3%</b>	4,809 <b>7.7%</b>	62,856 <b>100%</b>	1,329 <b>78.7%</b>	359 <b>21.3%</b>	1688 <b>100%</b>
<b>2011</b>	55,745 <b>92.0%</b>	4,862 <b>8.0%</b>	60,607 <b>100%</b>	1179 <b>76.6%</b>	360 <b>23.4%</b>	1539 <b>100%</b>
<b>2012</b>	55,343 <b>91.3%</b>	5,277 <b>8.7%</b>	60,620 <b>100%</b>	1,133 <b>75.4%</b>	370 <b>24.6%</b>	1,503 <b>100%</b>

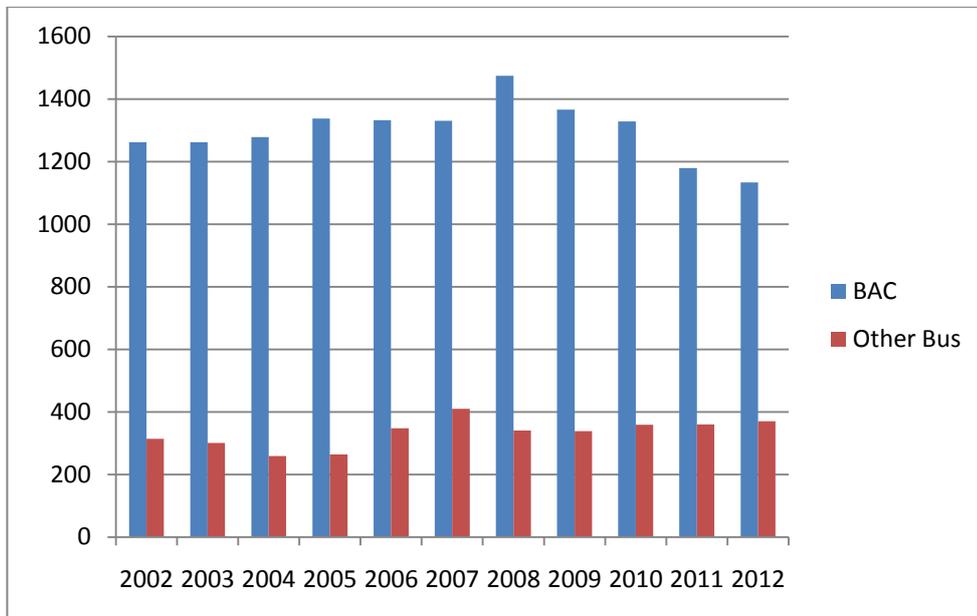
### Taxis

Taxis made up 3.9% of all cars crossing the canal cordon in 2002. This increased to 7.2% in 2007 and to 8.7% in 2012. Over the 10 years from 2002 to 2012 the total number of taxis crossing the cordon increased by 106.1 %. From 2007 to 2012 the number of taxis increased by 15.1% and from 2011 to 2012 there was an increase of 8.5%.



### Buses

In the period 2002 to 2012 the total number of all buses crossing the cordon has increased by 2.5%. Over this same time the number of Bus Atha Cliath buses has decreased by 10.2% while the number of private buses has increased by 17.8%.



**Bus Atha Cliath (BAC) - Other Bus**

**Table 4** shows detailed count results from 2006 and 2012 for cars and taxis and all buses at each of the 33 count locations. The distinction between bus routes and non bus routes no longer applies as many bus routes have changed most routes now have some buses.

From 2006 to 2012 there was an overall decrease of 3% in the number of cars and taxis crossing the cordon from 7 am to 10 am.. The total number of buses crossing the cordon decreased by 11% over this same period of time.

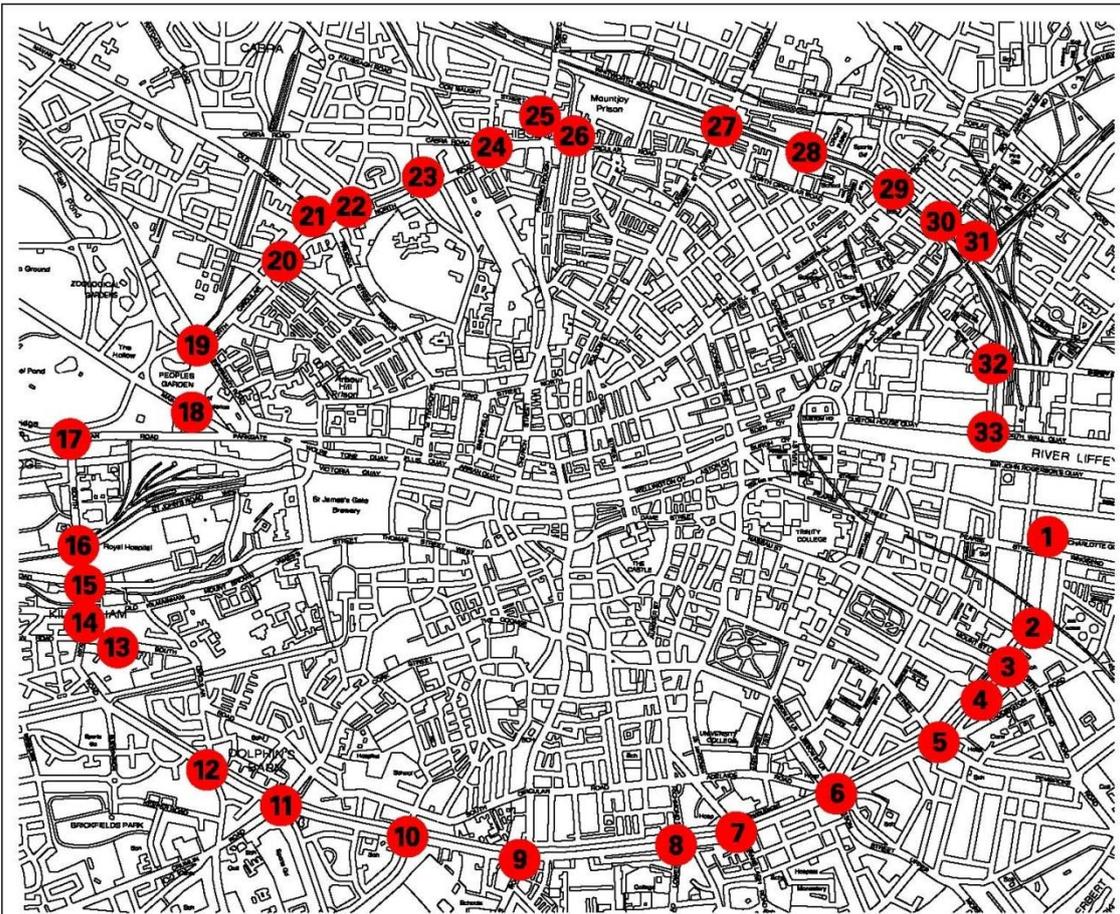
<b>Table 4 Canal Cordon Counts 2012 (Inbound 07.00 to 10.00hrs) – 33 locations</b>							
		<b>Cars and Taxis</b>			<b>All Buses</b>		
	<b>All Routes</b>	<b>2006</b>	<b>2012</b>	<b>06-12</b>	<b>2006</b>	<b>2012</b>	<b>06 - 11</b>
1	Ringsend Rd (McMahon Bridge)	1738	2218	+28%	65	55	-15%
2	Grand Canal Street Bridge	1615	1455	-10%	2	2	0%
3	Mount Street Bridge	1601	1906	+19%	80	39	-51%
4	Huband Bridge	459	367	-20%	0	0	0%
5	Baggot Street Bridge	2161	1854	-14%	35	61	-74%
6	Leeson Street Bridge	3942	4348	+10%	234	158	-32%
7	Charlemont Street Bridge	1511	1287	-15%	15	7	-53%
8	Rathmines Road (Portobello Br.)	2076	1860	-10%	82	83	+1%
9	Harold's Cross Bridge	2972	2429	-18%	53	52	-2%
10	Sally's Bridge	2150	1594	-26%	12	15	+25%
11	Dolphins Barn Bridge	2572	2684	+4%	88	55	-34%
12	Herberton Bridge	2122	2015	-5%	3	26	+766%
13	SCR at St Patrick's Home	1491	1799	+21%	36	26	-28%
14	Old Kilmainham	1845	2207	+20%	52	34	-35%
15	Kilmainham Lane	432	803	+86%	0	0	0%
16	St. John's Road West	2876	2798	-3%	127	177	+39%
17	Conyngham Road	2206	2382	+8%	67	44	-34%
18	Phoenix Park (Main Road)	1317	974	-26%	0	0	0%
19	Phoenix Park (Back Road)	1442	1249	-13%	0	1	-
20	Blackhorse Avenue	2376	1658	-30%	22	17	-23%
21	Old Cabra Road	1410	1498	6%	62	49	-21%
22	Annamoe Road	711	587	-17%	0	0	0%
23	Charleville Road	699	629	-10%	0	0	0%
24	New Cabra Road	1369	1716	+25%	113	77	-32%
25	Phibsborough Road	2774	2602	-6%	75	66	-12%
26	Royal Canal Bank	263	35	-87%	0	0	0%
27	Drumcondra Road (Binn's Br.)	5079	5410	+7%	239	166	-30%
28	Russell Street Bridge	1313	1071	-18%	2	0	-100%
29	Clarke's Bridge	3958	3724	-6%	27	21	-15%
30	Newcomen Bridge	3014	3330	+10%	178	146	-11%
31	Ossary Road	405	275	-32%	1	0	-100%
32	Sheriff Street Bridge	1406	1034	-26%	0	42	-
33	North Wall Quay	1202	821	-32%	10	83	+730%
	<b>Total</b>	<b>62489</b>	<b>60620</b>	<b>-3%</b>	<b>1680</b>	<b>1503</b>	<b>-11%</b>

**Table 5** outlines the changes in the number of persons travelling by car, taxi and on foot from 2007 to 2012 and the changes in occupancy rates for the different modes.

Between 2007 and 2012 the number of persons coming into the city during the morning peak by car has decreased by 5.7%. Over the same 5-year period the number of persons coming into the city during morning peak by taxi has increased by 26.9% while the number of pedestrians crossing the cordon has decreased by 13.5% .

**Table 5. Number of Persons Crossing the Cordon (Inbound 07.00 – 10.00 hrs.)**

		<b>2007</b>	<b>2008</b>	<b>2009</b>	<b>2010</b>	<b>2011</b>	<b>2012</b>	<b>% 07-12</b>
<b>Number</b>	Cars	58,686	58,897	58,232	58,047	55,745	55,344	-5.7%
	Taxis	4,583	5,079	4,980	4,809	4,862	5,276	+15.1%
	Pedestrians	18,594	18,360	14,618	15,092	14,551	17,070	-8.2%
<b>Occupancy</b>	Cars	1.22	1.15	1.22	1.24	1.25	1.24	+1.6%
	Taxis	1.47	1.38	1.55	1.47	1.55	1.62	+10.2%
<b>Persons</b>	Cars	71,597	67,732	71,043	71,978	69,681	68,626	-4.1%
	Taxis	6,737	7,009	7,719	7,069	7,536	8,547	+26.9%
	Pedestrians	18,594	18,360	14,618	15,092	14,551	17,070	-13.5%
	<b>Total</b>	96,928	93,101	93,380	94,139	91,768	94,243	-2.8%



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### Canal Cordon Count Locations

- |                                   |                                 |
|-----------------------------------|---------------------------------|
| 1 Ringsend Rd (McMahon Bridge)    | 17 Conyngham Road               |
| 2 Grand Canal Street Bridge       | 18 Phoenix Park (Main Road)     |
| 3 Mount Street Bridge             | 19 Phoenix Park (Back Road)     |
| 4 Huband Bridge                   | 20 Blackhorse Avenue            |
| 5 Baggot Street Bridge            | 21 Old Cabra Road               |
| 6 Lesson Street Bridge            | 22 Annamoe Road                 |
| 7 Charlemont Street Bridge        | 23 Charleville Road             |
| 8 Rathmlins Road (Portobello Br.) | 24 New Cabra Road               |
| 9 Harold's Cross Bridge           | 25 Phibsborough Road            |
| 10 Sally's Bridge                 | 26 Royal Canal Bank             |
| 11 Dolphins Barn Bridge           | 27 Drumcondra Road (Binn's Br.) |
| 12 Herberton Bridge               | 28 Russell Street Bridge        |
| 13 SCR at St Patrick's Home       | 29 Clarke's Bridge              |
| 14 Old Kilmainham                 | 30 Newcomen Bridge              |
| 15 Kilmainham Lane                | 31 Ossory Road                  |
| 16 St. John's Road West           | 32 Sheriff Street Lower         |
| 33 North Wall Quay                |                                 |