

Report to Transportation Strategic Policy Committee

Dublin City Centre Cycle Count

May 2017

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Dublin City Centre Cycle Count – May 2017

As part of the 2007-2012 cycle action plan it was proposed to carry out a new city centre cycle count every May in order to measure changes in cycle usage within the city centre. These counts were to be carried out in addition to the annual canal cordon counts which are carried out in November each year.

The differences between the two counts are as follows:

The **canal cordon** count measures all inbound vehicles crossing the canal cordon between 7 am and 10 am averaged over two days in November. Each pedestrian /car / bicycle / bus / van is normally counted only once.

The **city centre** cycle count measures the total number of cyclists travelling in any direction on either side of the bridges over the Liffey and other selected junctions in the city centre on one day in May (or June) from 7 a.m. to 7 p.m.

As part of the cycle action plan it was proposed to continue to conduct these annual city centre cycle counts.

Twenty-six locations were originally selected between Heuston Station and the East Link Bridge and Parnell Street and St. Stephen's Green. As new bridges were built these were included in the annual counts in recent years. The Samuel Beckett Bridge (27-28) was added in 2011 and the Rosie Hackett Bridge (61-62) in 2015. Numbers in brackets refer to the locations as shown on the attached location map.

The 2017 count was carried out between the days of May 4 - 25 from 7 am to 7 pm on a Tuesday, Wednesday or Thursday.

Table 1 show the results of the total number of cyclists counted at each location from 2012 to 2017 (previous five years) between 7 am and 7 pm. The results show continuous yearly growth in the number of cyclists, with a total number of 93359 cyclists in year 2017.

Table 1 - Total No. of Pedal Cycles 7.00 am to 7.00 pm

	Location of Count	2012	2013	2014	2015	2016	2017
1	Wolfe Tone Quay / Frank Sherwin Bridge	1346	1889	1399	2182	2141	2641
2	Frank Sherwin Bridge / Victoria Quay	1065	1372	1156	1842	1842	2412
3	Ellis Quay / Watling St Bridge	1126	1197	1131	1712	1695	1865
4	Usher's Island / Watling St Bridge	836	1160	897	1401	1257	1864
5	Blackhall Place / Ellis Quay	1550	1656	1716	2545	2357	2607
6	James Joyce Bridge / Usher's Island	983	1236	1039	1676	1616	2085
7	Queen Street / Arran Quay	1583	1712	1706	2553	2844	2786
8	Queen Street / Usher's Quay	1188	1420	1215	1904	1742	2186
9	Church Street / Inn's Quay	2332	2878	2465	3542	3894	4282
10	Merchant's Quay / Usher's Quay / Church St	1900	2120	1728	2460	2765	2619
11	Inns Quay / Ormond Qy Upr / Chancery Place	2121	2734	3133	3370	3516	3466
12	Wood Quay / Merchant's Qy / Winetavern St	1671	2031	2235	2308	2549	2930
13	Ormond Quay / Capel St / Grattan Bridge	2645	3181	3892	3776	3894	4558
14	Wellington Quay / Essex Quay	2158	2439	2903	2908	3177	4194
15	O'Connell St Lower / Eden Quay	5371	4770	6885	5848	7353	6214
16	D'Olier St / Aston Quay / Burgh Quay	3985	4637	6581	5805	5286	4077
17	Butt Bridge / Beresford Pl / Custom Hse Quay	1400	2020	2990	2755	3981	3401
18	Butt Bridge / Burgh Qy / Georges Qy / Tara St	1362	1543	2377	2171	2577	2913
19	Memorial Rd / Custom Hse Qy / George's Qy	2007	2599	4156	2928	4944	4723
20	Moss St / City Quay / George's Quay	1780	2036	3534	1938	3016	3237
21	East Link Bridge / N. Wall Quay / East Wall Rd	671	1000	1225	917	1642	1507
22	East Link Bridge	554	914	1084	799	1009	1334
23	Cuffe Street / Cuffe Lane	1550	1542	1660	2277	3125	2552
24	Dame Street / George's Street	3820	3878	5500	5813	6319	7054
25	Parnell Street / Dominick Street	1415	1387	1693	1685	1659	1686
26	Pearse Street / Westland Row	2241	2891	4128	2779	3461	3613
27	Samuel Beckett Bridge (north)	1692	2669	3417	3875	4817	5626
28	Samuel Beckett Bridge (south)	1920	2374	3241	3666	4614	5016
61	Rosie Hackett Bridge (north)	-	-	-	2042	3721	3408
62	Rosie Hackett Bridge (south)	-	-	-	1657	2353	2578
	Total (excluding nos. 61, 62)	52,272	61,285	75,086	77,435	89092	93359

Table 2 shows the percentage changes in the number of cyclists at each location and the total percentage change for 2015-2016. The majority of locations shows a positive change, hence an increase in the number of cyclists, and overall the total number of cyclists for 2017 is 4.6% up on 2016.

Table 2 - Total No. of Pedal Cycles 7.00 am to 7.00 pm						
Location of Counts		2015	2016	2017	%change	
					2015-2016	2016-2017
1	Wolfe Tone Quay / Frank Sherwin Bridge	2182	2141	2641	-1.9	18.9
2	Frank Sherwin Bridge / Victoria Quay	1842	1842	2412	0.0	23.6
3	Ellis Quay / Watling St Bridge	1712	1695	1865	-1.0	9.1
4	Usher's Island / Watling St Bridge	1401	1257	1864	-10.3	32.6
5	Blackhall Place / Ellis Quay	2545	2357	2607	-7.4	9.6
6	James Joyce Bridge / Usher's Island	1676	1616	2085	-3.6	22.5
7	Queen Street / Arran Quay	2553	2844	2786	+11.4	-2.1
8	Queen Street / Usher's Quay	1904	1742	2186	-8.5	20.3
9	Church Street / Inn's Quay	3542	3894	4282	+9.9	9.1
10	Merchant's Quay / Usher's Quay / Church St	2460	2765	2619	+12.4	-5.6
11	Inns Quay / Ormond Qy Upr / Chancery Place	3370	3516	3466	+4.3	-1.4
12	Wood Quay / Merchant's Qy / Winetavern St	2308	2549	2930	+10.4	13.0
13	Ormond Quay / Capel St / Grattan Bridge	3776	3894	4558	+3.1	14.6
14	Wellington Quay / Essex Quay	2908	3177	4194	+9.3	24.2
15	O'Connell St Lower / Eden Quay	5848	7353	6214	+25.7	-18.3
16	D'Olier St / Aston Quay / Burgh Quay	5805	5286	4077	-8.9	-29.7
17	Butt Bridge / Beresford Pl / Custom Hse Quay	2755	3981	3401	+44.5	-17.1
18	Butt Bridge / Burgh Qy / Georges Qy / Tara St	2171	2577	2913	+18.7	11.5
19	Memorial Rd / Custom Hse Qy / George's Qy	2928	4944	4723	+68.9	-4.7
20	Moss St / City Quay / George's Quay	1938	3016	3237	+55.6	6.8
21	East Link Bridge / N. Wall Quay / East Wall Rd	917	1642	1507	+79.1	-9.0
22	East Link Bridge	799	1009	1334	+26.3	24.4
23	Cuffe Street / Cuffe Lane	2277	3125	2552	+37.2	-22.5
24	Dame Street / George's Street	5813	6319	7054	+8.7	10.4
25	Parnell Street / Dominick Street	1685	1659	1686	-1.5	1.6
26	Pearse Street / Westland Row	2779	3461	3613	+24.5	4.2
27	Samuel Beckett Bridge (north)	3875	4817	5626	+24.3	14.4
28	Samuel Beckett Bridge (south)	3666	4614	5016	+25.9	8.0
61	Rosie Hackett Bridge (north)	2042	3721	3408	+82.2	-9.2
62	Rosie Hackett Bridge (south)	1657	2353	2578	+42.0	8.7
	Total	81134	95166	99345	+17.3	+4.6

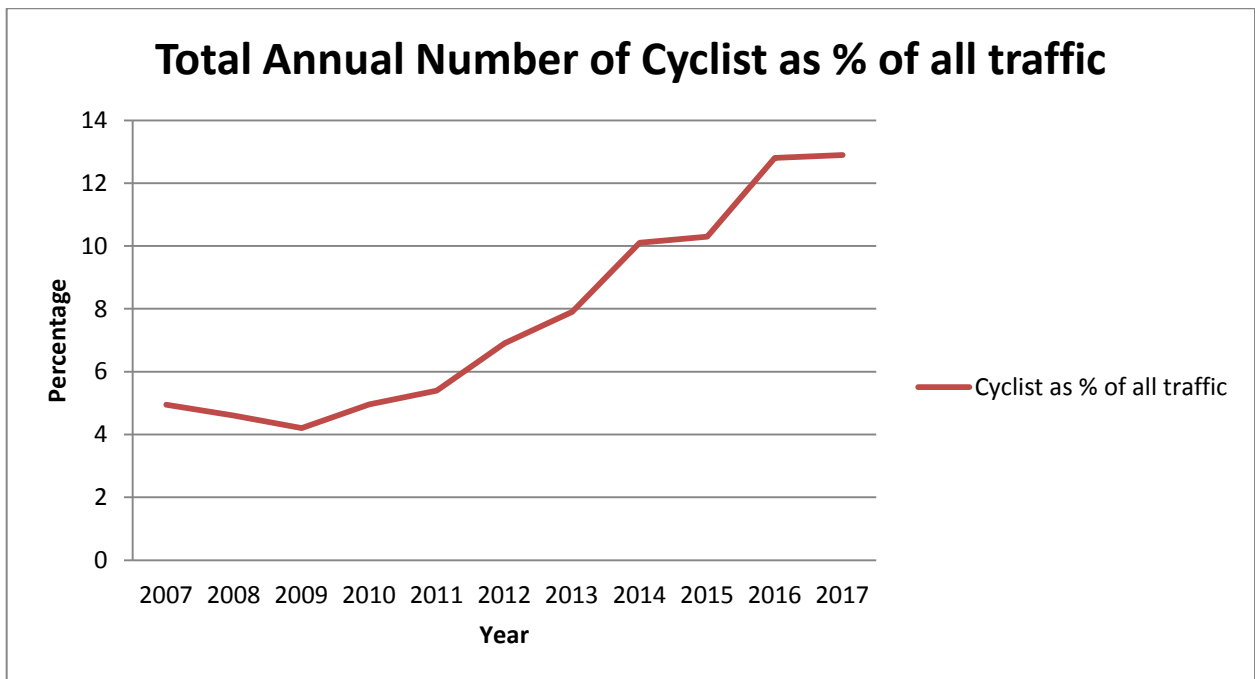
Table 3 shows the total number of cyclists at each location and the percentage of all traffic represented by cyclists.

The location with the highest percentage of cyclists in 2017 was Dame Street / Georges Street (location no 24) where cyclists made up 35.2% of all traffic. This location has had the highest percentage of cyclists in every year from 2007 to 2017 since the city centre cycle counts began. A close second is Samuel Becket Bridge (South) (location 28) with 27.1%.

The overall percentage of cyclists increased from 7.9% in 2013, 10.1 % in 2014, 10.3% in 2015, 12.8% in 2016 and 12.9 in 2017.

Table 3 - No. of Pedal Cycles 7.00 am to 7.00 pm (cyclists as % of all traffic)									
	Location of Count	2014		2015		2016		2017	
		No.	%	No.	%	No	%	No	%
1	Wolfe Tone Quay / Frank Sherwin Bridge	1399	5.3	2182	8.4	2141	7.9	2641	10.4
2	Frank Sherwin Bridge / Victoria Quay	1156	3.4	1842	5.6	1842	5.9	2412	7.6
3	Ellis Quay / Watling St Bridge	1131	6.2	1712	9.3	1695	9.7	1865	11.1
4	Usher's Island / Watling St Bridge	897	3.7	1401	5.8	1257	5.3	1864	7.7
5	Blackhall Place / Ellis Quay	1716	7.6	2545	11.0	2357	10.8	2607	12.3
6	James Joyce Bridge / Usher's Island	1039	4.2	1676	6.8	1616	6.7	2085	8.5
7	Queen Street / Arran Quay	1706	7.2	2553	10.9	2844	12.7	2786	12.9
8	Queen Street / Usher's Quay	1215	4.4	1904	7.1	1742	6.5	2186	8.1
9	Church Street / Inn's Quay	2465	7.2	3542	10.6	3894	16.5	4282	14.2
10	Merchants Qy / Usher's Qy / Church Street	1728	4.5	2460	6.2	2765	6.8	2619	6.4
11	Inns Qy / Ormond Qy Upr / Chancery Place	3133	10.5	3370	11.8	3516	13.4	3466	13.3
12	Wood Qy / Merchant's Qy / Winetavern Street	2235	7.3	2308	7.2	2549	8.4	2930	10.0
13	Ormond Qy / Capel St / Grattan Bridge	3892	13.1	3776	12.6	3894	14.3	4558	17.9
14	Wellington Quay / Essex Quay	2903	12.7	2908	12.3	3177	13.8	4194	17.3
15	O'Connell St Lr / Bachelor's Walk / Eden Quay	6885	19.7	5848	17.0	7353	24.4	6214	23.2
16	D'Olier St / Aston Quay / Burgh Quay	6581	18.0	5805	15.1	5286	28.2	4077	26.0
17	Butt Bridge / Beresford Pl / Custom Hse Quay	2990	10.8	2755	9.9	3981	14.0	3401	12.7
18	Butt Bridge / Burgh Qy / Georges Qy / Tara St	2377	8.6	2171	7.3	2577	9.6	2913	10.8
19	Memorial Rd / Custom Hse Qy / George's Qy	4156	12.4	2928	8.7	4944	15.4	4723	14.1
20	Moss St / City Quay / George's Quay	3534	14.4	1938	8.0	3016	12.5	3237	13.6
21	East Link Bridge / Nth Wall Qy / East Wall Rd	1225	5.4	917	3.8	1642	7.0	1507	5.7
22	East Link Bridge	1084	6.9	799	4.8	1009	5.8	1334	7.4
23	Cuffe Street / Cuffe Lane	1660	8.8	2277	11.5	3125	14.4	2552	11.9
24	Dame Street / George's Street	5500	27.0	5813	26.9	6319	29.3	7054	35.2
25	Parnell Street / Dominick Street	1693	11.6	1685	13.2	1659	17.0	1686	17.0
26	Pearse Street / Westland Row	4128	12.4	2779	8.2	3461	10.7	3613	11.5
27	Samuel Beckett Bridge (North)	3417	12.8	3875	14.9	4817	18.5	5626	21.8
28	Samuel Beckett Bridge (South)	3241	18.4	3666	20.0	4614	24.4	5016	27.1
61	Rosie Hackett Bridge (north)	-	-	2042	14.7	3721	7.9	3408	24.7
62	Rosie Hackett Bridge (south)	-	-	1657	9.9	2353	5.9	2578	16.7
	Total (1-28) excluding nos. 61, 62	75,086	10.1	77,435	10.3	89092	12.8	93359	12.9

Figure 1



Dublinbikes

Dublinbikes began operation on September 13th 2009. The list below is the network for 2015/2016. Note: there is no STATION 50, therefore the list appear to indicate 102 stations. This is the numbering the app/website uses to refer to stations.

- 1 CHATHAM STREET
- 2 BLESSINGTON STREET
- 3 BOLTON STREET
- 4 GREEK STREET
- 5 CHARLEMONT PLACE
- 6 CHRISTCHURCH PLACE
- 7 HIGH STREET
- 8 CUSTOM HOUSE QUAY
- 9 EXCHEQUER STREET
- 10 DAME STREET
- 11 EARLSFORT TERRACE
- 12 ECCLES STREET
- 13 FITZWILLIAM SQUARE WEST
- 14 FOWNES STREET UPPER
- 15 HARDWICKE STREET
- 16 GEORGES QUAY
- 17 GOLDEN LANE
- 18 GRANTHAM STREET
- 19 HERBERT PLACE
- 20 JAMES STREET EAST
- 21 LEINSTER STREET SOUTH
- 22 TOWNSEND STREET
- 23 CUSTOM HOUSE
- 24 CATHAL BRUGHA STREET
- 25 MERRION SQUARE EAST
- 26 MERRION SQUARE WEST
- 27 MOLESWORTH STREET
- 28 MOUNTJOY SQUARE WEST
- 29 ORMOND QUAY UPPER
- 30 PARNELL SQUARE NORTH
- 31 PARNELL STREET
- 32 PEARSE STREET
- 33 PRINCES STREET / O'CONNELL STREET
- 34 PORTOBELLO HARBOUR
- 35 SMITHFIELD

36 ST. STEPHEN'S GREEN EAST
37 ST. STEPHEN'S GREEN SOUTH
38 TALBOT STREET
39 WILTON TERRACE
40 JERVIS STREET
41 HARCOURT TERRACE
42 SMITHFIELD NORTH
43 PORTOBELLO ROAD
44 UPPER SHERRARD STREET
45 DEVERELL PLACE
46 STRAND STREET GREAT
47 HERBERT STREET
48 EXCISE WALK
49 GUILD STREET
51 YORK STREET WEST
52 YORK STREET EAST
53 NEWMAN HOUSE
54 CLONMEL STREET
55 HATCH STREET
56 MOUNT STREET LOWER
57 GRATTAN STREET
58 SIR PATRICK DUN'S
59 DENMARK STREET GREAT
60 NORTH CIRCULAR ROAD
61 HARDWICKE PLACE
62 LIME STREET
63 FENIAN STREET
64 SANDWITH STREET
65 CONVENTION CENTRE
66 NEW CENTRAL BANK
67 THE POINT
68 HANOVER QUAY
69 GRAND CANAL DOCK
70 BARROW STREET
71 KEVIN STREET
72 JOHN STREET WEST
73 FRANCIS STREET
74 OLIVER BOND STREET
75 JAMES STREET
76 MARKET STREET SOUTH
77 WOLFE TONE STREET
78 MATER HOSPITAL
79 ECCLES STREET EAST
80 ST JAMES HOSPITAL (LUAS)
81 ST. JAMES HOSPITAL (CENTRAL)
82 MOUNT BROWN
83 EMMET ROAD
84 BROOKFIELD ROAD
85 ROTHE ABBEY
86 PARKGATE STREET
87 COLLINS BARRACKS MUSEUM
88 BLACKHALL PLACE
89 FITZWILLIAM SQUARE EAST
90 BENSON STREET
91 SOUTH DOCK ROAD
92 HEUSTON BRIDGE (NORTH)
93 HEUSTON STATION (CENTRAL)
94 HEUSTON STATION (CAR PARK)
95 ROYAL HOSPITAL
96 KILMAINHAM LANE
97 KILMAINHAM GAOL
98 FREDERICK STREET SOUTH
99 CITY QUAY
100 HEUSTON BRIDGE (SOUTH)
101 KING STREET NORTH
102 WESTERN WAY

The city centre cycle count measures the total number of cyclists travelling in any direction from 7am to 7 pm at junctions on either side of the bridges over the Liffey and other selected junctions in the city centre on one day in May or June.

Summary of City Centre Cycle Counts (2007-2017)

The final table below (page 7) shows the results of all the nine city centre cycle counts from 2007 to 2017. The increase in the number of cyclists counted varies from 36.5% at D'Olier St / Aston Quay / Burgh Quay (no. 16) up to 396.6% at Blackhall Place / Ellis Quay (no. 5). The increase over the nine years from 2007 to 2017 in the total number of cyclists counted at all the locations was 138.3%.

No.	Location of City Centre Cycle Count	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2007-2016 (% increase)
1	Wolfe Tone Quay / Frank Sherwin Bridge	854	803	844	1018	1159	1346	1889	1399	2182	2141	2641	209.3
2	Frank Sherwin Bridge / Victoria Quay	512	610	778	639	785	1065	1372	1156	1842	1842	2412	371.1
3	Ellis Quay / Watling St Bridge	593	617	514	769	871	1126	1197	1131	1712	1695	1865	214.5
4	Usher's Island / Watling St Bridge	494	498	446	612	718	836	1160	897	1401	1257	1864	277.3
5	Blackhall Place / Ellis Quay	525	976	926	1143	1390	1550	1656	1716	2545	2357	2607	396.6
6	James Joyce Bridge / Usher's Island	572	617	607	558	882	983	1236	1039	1676	1616	2085	264.5
7	Queen Street / Arran Quay	930	1076	904	1246	1234	1583	1712	1706	2553	2844	2786	199.6
8	Queen Street / Usher's Quay	740	748	667	837	984	1188	1420	1215	1904	1742	2186	195.4
9	Church Street / Inn's Quay	1626	1758	1363	1786	1813	2332	2878	2465	3542	3894	4282	163.3
10	Merchant's Quay / Usher's Quay / Church Street	1527	1242	1108	1500	1493	1900	2120	1728	2460	2765	2619	71.5
11	Inns Quay / Ormond Quay Upper / Chancery Place	1841	1659	1764	1833	1984	2121	2734	3133	3370	3516	3466	88.3
12	Wood Quay / Merchant's Quay / Winetavern Street	1249	1297	1468	1212	1328	1671	2031	2235	2308	2549	2930	134.6
13	Ormond Quay / Capel Street / Grattan Bridge	2136	1676	2150	1918	2133	2645	3181	3892	3776	3894	4558	113.4
14	Wellington Quay / Essex Quay	1769	1467	1517	1797	1799	2158	2439	2903	2908	3177	4194	137.1
15	O'Connell St Lower / Eden Quay	2981	2595	1821	3246	2250	5371	4770	6885	5848	7353	6214	108.5
16	D'Olier St / Aston Quay / Burgh Quay	2986	1974	1354	2190	3305	3985	4637	6581	5805	5286	3988	36.5
17	Butt Bridge / Beresford Place / Custom Hse Quay	1275	1418	1077	1567	1420	1400	2020	2990	2755	3981	3401	166.7
18	Butt Bridge / Burgh Quay / Georges Quay / Tara Street	1357	1233	724	926	1346	1362	1543	2377	2171	2577	2913	114.7
19	Memorial Rd / Custom House Quay / George's Quay	1952	1576	1971	1649	1733	2007	2599	4156	2928	4944	4723	142.0
20	Moss Street / City Quay / George's Quay	1249	1381	1546	1469	589	1780	2036	3534	1938	3016	3237	159.2
21	East Link Bridge / North Wall Quay / East Wall Road	532	804	536	642	657	671	1000	1225	917	1642	1507	183.3
22	East Link Bridge	602	352	469	614	523	554	914	1084	799	1009	1334	121.6
23	Cuffe Street / Cuffe Lane	1180	1342	1136	1237	1385	1550	1542	1660	2277	3125	2552	116.3
24	Dame Street / George's Street	2851	2887	2274	2975	2736	3820	3878	5500	5813	6319	7054	147.4
25	Parnell Street / Dominick Street	925	1028	841	729	868	1415	1387	1693	1685	1659	1686	82.3
26	Pearse Street / Westland Row	1450	2135	1120	1473	2101	2241	2891	4128	2779	3461	3613	149.2
27	Samuel Beckett Bridge (north)	-	-	-	-	1084	1692	2669	3417	3875	4817	5626	-
28	Samuel Beckett Bridge (south)	-	-	-	-	1460	1920	2374	3241	3666	4614	5016	-
61	Rosie Hackett Bridge (north)	-	-	-	-	-	-	-	-	2042	3721	3408	-
62	Rosie Hackett Bridge (south)	-	-	-	-	-	-	-	-	1657	2353	2578	-
	Totals (excluding nos. 27,28, 61 & 62)	34708	33769	29925	35585	37486	48660	56242	68428	69894	79661	82717	138.3