**Cycleway 1 cycling flow during Covid19 lockdown**

*Report by Bruce Lynn 21/6/20*

Key points

* Comparison at Willow Walk with 6 years of previous data.
* Midweek peak hour cycling down 70%
* Contrasts with motor traffic only down 30%
* Weekend cycling as high as weekday with 41% female riders

Weekday Cycle flows

Large reduction in cycling, especially at the morning peak. The drop is probably even greater than 70% as cycle flow has been increasing by 150/year on this route, so we would expect 2020 level to be approximately 1080 at am peak hour. The pattern is still very tidal during lockdown. Flows out of town in the morning and into town in the afternoon were low and similar to pre-lockdown levels (see Table).

Table. Cycle flows (per hour) pre lockdown and midweek and weekends during lockdown. Willow Walk, Cycleway 1.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | Morning peak | | Middle of day | | Evening peak | |
|  |  | Westbnd | Eastbnd | Westbnd | Eastbnd | Westbnd | Eastbnd |
| Midweek pre | 1May19 | 933 | 35 |  |  | 66 | 691 |
| Midweek during | 16June20 | 223 | 41 | 56 | 60 | 96 | 216 |
| Weekend during | 14June20 | 54 | 81 | 230 | 110 | 65 | 115 |

Weekend cycling.

As is generally the case during lockdown, leisure cycling at weekends is high. The Table gives flows on a sunny Sunday during lockdown. No data is available on weekend cycling pre lockdown. Might be expected to be about 30% of weekday total daily flow (TfL Cordon data, <http://content.tfl.gov.uk/traffic-note-3-cordon-and-screenline-surveys-2011.pdf>)

To estimate weekday daily flow can use the profile from Travel in London, Report 11, Fig 5.4. For May 2019 this gives 3990 daily flow. 30% of this, the estimate for weekend flow, is 1797. We can estimate daily flow for the lockdown samples by assuming a similar profile to Jamaica Rd where we have enough data to construct an accurate profile. This gives a value of 3088 for the total flow on 15 June 2020. This is 72% higher than the estimate for 2019. This is not as large as the increase estimated for Jamaica Rd, 202%. But there are many assumptions in both calculations and anyway there is no reason to expect all roads to increase by the same amount. What we can say is that, unlike weekday flows that are way down, cycle flows at weekends are up.

Male-female ratio

There are more female cyclists during the week now, under lockdown, but the difference is not statistically significant. This increase is similar to that seen on Jamaica Rd where it did reach significance. There is a markedly higher proportion of female cyclists at weekends compared with midweek. This is probably because there are relatively more female leisure cyclists than there are in the group who cycle to work.