

Vehicle count of traffic on the section of road between King Street and Mountsorrel Lane Junctions with High Street/Barrow Road (The CHOKE)

	Wednesday 6 th Oct 2021		Monday 4 th Oct		Friday 10 th Sept		Friday 3 rd Sept	
	Northbound	Southbound	Northb	Southb	Northb	Southb	Northb	Southb
7.30 to 7.45	111	64	128	61	131	69		
7.45 to 8.00	127	96	142	84	136	84		
8.00 to 8.15	138	87	154	93 (See Note	157	74	136	67
8.15 to 8.30	142	91	106	107 2 below)	116	89	97	86
8.30 to 8.45							90	109
8.45 to 9.00							71	112
Totals	518	338	530	345	540	316	394	374

1. Figures are for all types of vehicles. About 93% are car or “white van man”. Remaining 7% are HGV, Bus, Motorcycle or Cycle (An analysis is available if required)
2. Only on Monday 4th Oct at between c08.07 and 08.12 was there any long queue (on King Street) which suggests the increase in Southbound traffic in the Choke at that time is significant.
3. Monday 4th Oct saw the highest count (19 vehicles more than the next two nearest counts) which suggests that c860 through the choke in the hour is about the point at which capacity is unreasonably exceeded in this local area
4. Twice, on Wednesday 6th Oct, large articulated HGVs came up Mountsorrel Lane and, on each occasion, caused stoppage of all traffic movement.
5. There is about 15% to 20% additional traffic which approaches the Choke but which turns off before, as opposed to passing through, the Choke
6. It must be remembered that in addition to the question of capacity, there are also considerable Safety Issues at each of the junctions
7. In 2018, the highest number of vehicles through the Choke in one hour was 920. What we do not know is to what extent reductions now are as a result of Post BREXIT changes, Post Covid work at home, current Covid isolation, increased level of unemployment or for 4th and 6th October, Petrol shortage.
8. **Capacity assessment.** The Choke can be deemed a UAP4 street which if 6.1m wide has a deemed capacity of 750 vehicles per hour with two thirds in one direction. A UAP4 should normally have one significant junction per kilometre.
Our Choke is between 5.6 and 5.9 metres wide
Our Choke has 2 significant junctions in 50 metres
The vehicle movements in all counts are in excess of 750

FOR LATE AFTERNOON COUNTS, SEE BELOW

AFTERNOON VEHICLE COUNTS

	Wed 6 th Oct		Friday 3 rd Sept	
	Northbound	Southbound	Northb	Southb
5.00 to 5.15	107	115	108	112
5.15 to 5.30	113	112	101	115
5.30 to 5.45	94	122	95	95
5.45 to 6.00	93	105	109	107
Totals	407	454	413	429

Traffic flow in the afternoon is far more evenly and equally distributed than in the morning between North and South and between the quarter hours. Queues do build up on Mountsorrel lane in the afternoon counts and for longer periods than on King Street in the morning counts.

Peter Small October 2021