

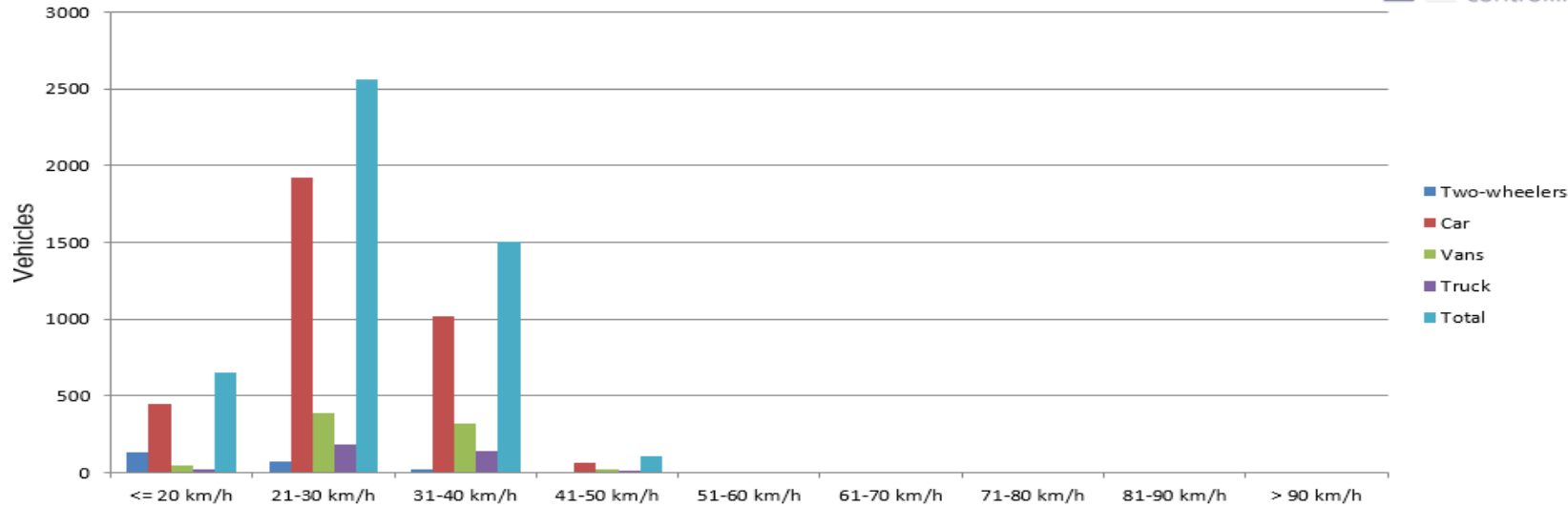
Botanic Avenue



Road would be classed as having a distributor function, it is traffic calmed and has two pedestrian crossings along it's route. It has a large park with housing and very little commercial activity , it is a route to a number of schools and this and the park would attract a portion of vulnerable users to it. Speed Limit is 50 km/h



Speed distribution



Evaluation time		28 April 2021,07:00 - 28 April 2021,19:00			
Speed limit	50 km/h	Count	Vd[km/h]	Vmax[km/h]	V85 [km/h]
Speed violations	0.04 %	Two-wheelers	237	19	49
Average gap time	15.38 s	Car	3451	28	70
Queue traffic	32.99 %	Vans	782	30	46
ADT	9658	Truck	359	29	45
AYT	3525170	Total	4829	28	70
LGV traffic share	7.43 %				
Evaluation direction	Both directions				
Adaptationer:	Requested by: Sean Callaghan				
Comment:	Compiled by Dominic Nolan				
Location:	Botanic Avenue				
Arriving vehicles from:	Drumcondra Road				
Departing vehicles to:	Same				

This shows almost zero speed violations with regard to the posted speed limit of 50 km/h indicating that the traffic calming is working. However when we look at the distribution within the next graph we see the following

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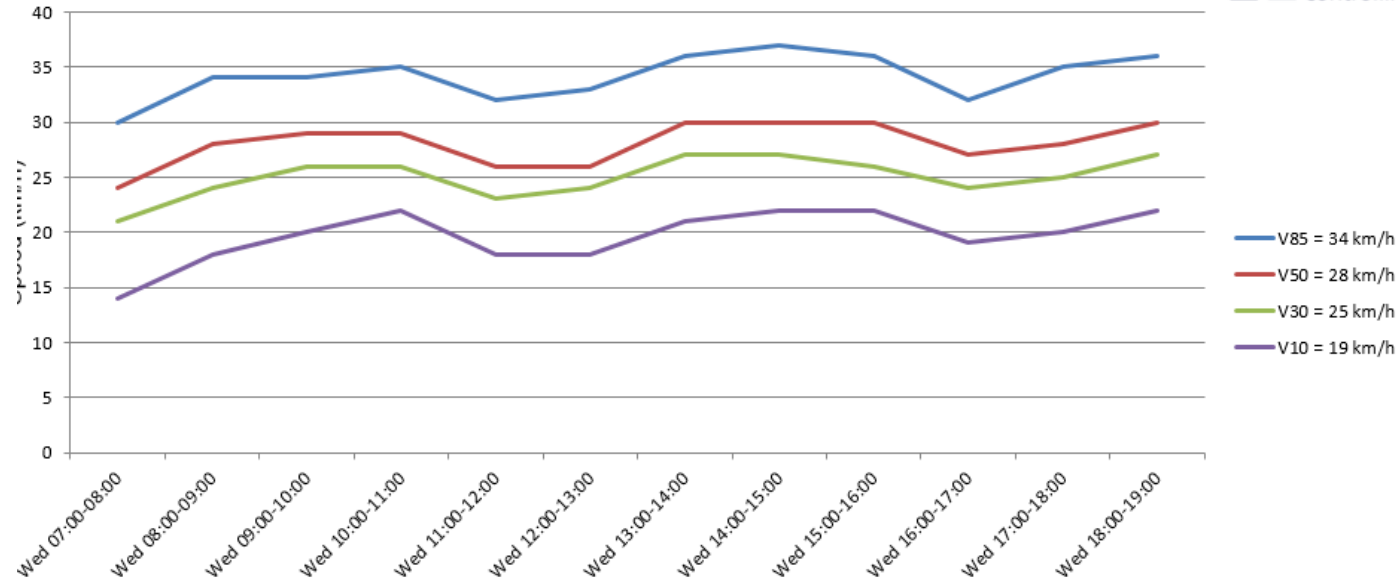
Absolute (Number of vehicles)

	Two-wheelers	Car	Vans	Truck			Total
<= 20 km/h	135	445	50	25			655
21-30 km/h	71	1922	387	181			2561
31-40 km/h	26	1018	320	143			1507
41-50 km/h	5	64	25	10			104
51-60 km/h	0	1	0	0			1
61-70 km/h	0	1	0	0			1
71-80 km/h	0	0	0	0			0
81-90 km/h	0	0	0	0			0
> 90 km/h	0	0	0	0			0
Total	237	3451	782	359			4829

Percentage (%)

	Two-wheelers	Car	Vans	Truck			Total
<= 20 km/h	56.96	12.89	6.39	6.96			13.56
21-30 km/h	29.96	55.69	49.49	50.42			53.03
31-40 km/h	10.97	29.50	40.92	39.83			31.21
41-50 km/h	2.11	1.85	3.20	2.79			2.15
51-60 km/h	0.00	0.03	0.00	0.00			0.02
61-70 km/h	0.00	0.03	0.00	0.00			0.02
71-80 km/h	0.00	0.00	0.00	0.00			0.00
81-90 km/h	0.00	0.00	0.00	0.00			0.00
> 90 km/h	0.00	0.00	0.00	0.00			0.00
Total	4.91	71.46	16.19	7.43			100.00

Sequence Speed percentiles



Evaluation time		28 April 2021,07:00 - 28 April 2021,19:00				
Speed limit	50 km/h		Count	Vd[km/h]	Vmax[km/h]	V85 [km/h]
Speed violations	0.04 %	Two-wheelers	237	19	49	29
Average gap time	15.38 s	Car	3451	28	70	34
Queue traffic	32.99 %	Vans	782	30	46	36
ADT	9658	Truck	359	29	45	35
AYT	3525170					
LGV traffic share	7.43 %					
Evaluation direction	Both directions	Total	4829	28	70	34
Adaptationer:	Requested by: Sean Callaghan					
Comment:	Compiled by Dominic Nolan					
Location:	Botanic Avenue					
Arriving vehicles from:	Drumcondra Road					
Departing vehicles to:	Same					

- 66% of vehicles are within the proposed 30 km/h limit however the 85th percentile is 34 km/h.

Legal Advice

“The proposal to introduce a 30 km/h speed limit on arterial roads is not consistent with the Guidelines for Setting and Managing Speed Limits in Ireland (2015), under Road Traffic Act 2004. In particular it is not consistent with the various criteria which means that such limit should not apply to roads which have a distributor function. This is on the assumption that an arterial road by its various nature has a distributor function. In addition, it may also not be consistent with the criteria that there should not be an unreasonable level of enforcement and also that it is appropriate to introduce where there is concentration of vulnerable road users.

It is within the power of the local authority to introduce such 30km/h even if such speed limit is inconsistent with the Guidelines. However, if the Council were to consider doing so it would have to discharge its obligation of demonstrating that it had appropriate and proper regard to such Guidelines. This includes that it must inform itself fully of and give reasonable consideration to such Guidelines. As part of demonstrating the same, it must have bona fide reasons for not following such guidelines which should be expressly articulated and explained.”

Therefore on the basis of the speed survey there is merit to making this road 30 km/h but at present the guidelines would say that this road is a distributor road and so making it a 30 km/h would appear to go against the guidelines.

Recommendation:-

Where a distributor road is substantially traffic calmed then the setting of a special speed limit should be allowed.

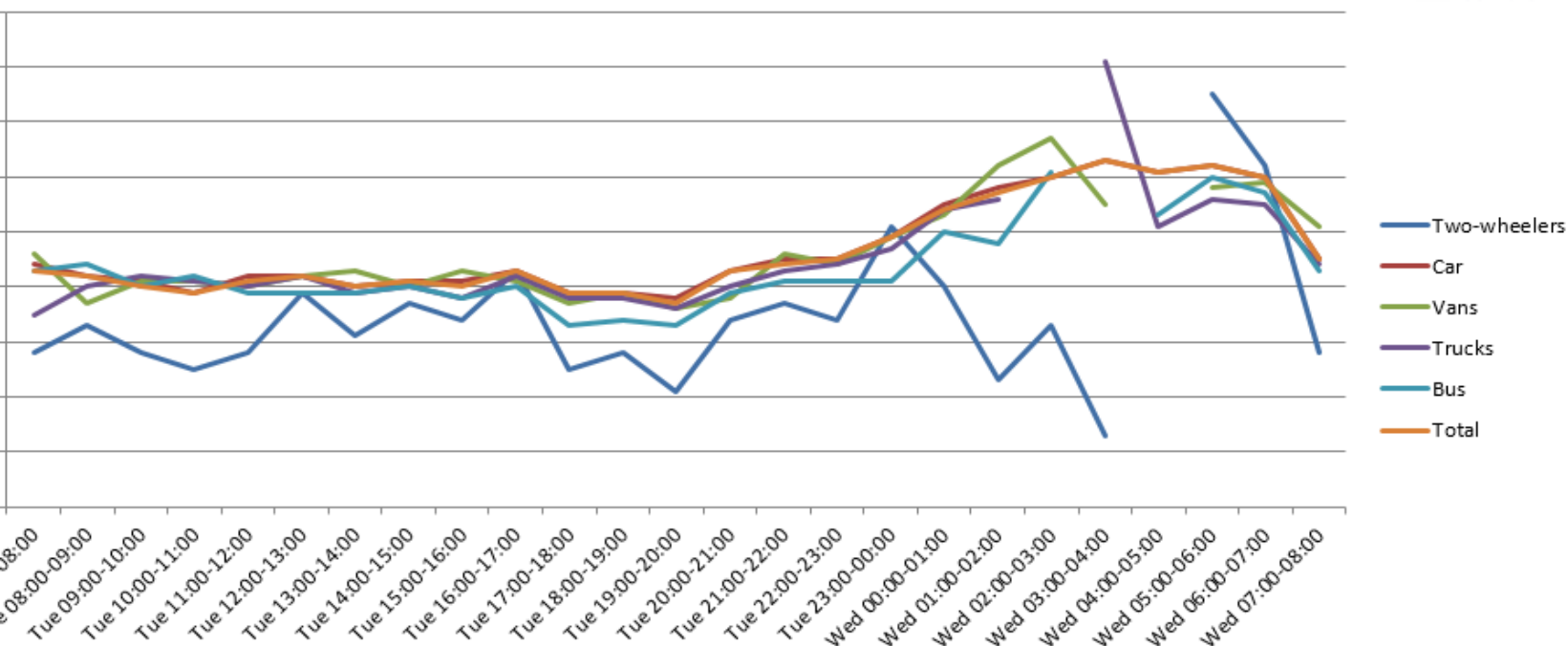
Recommendation:-

This road should be included in the next phase of speed limit reductions.

Speed Limit is 50 km/h



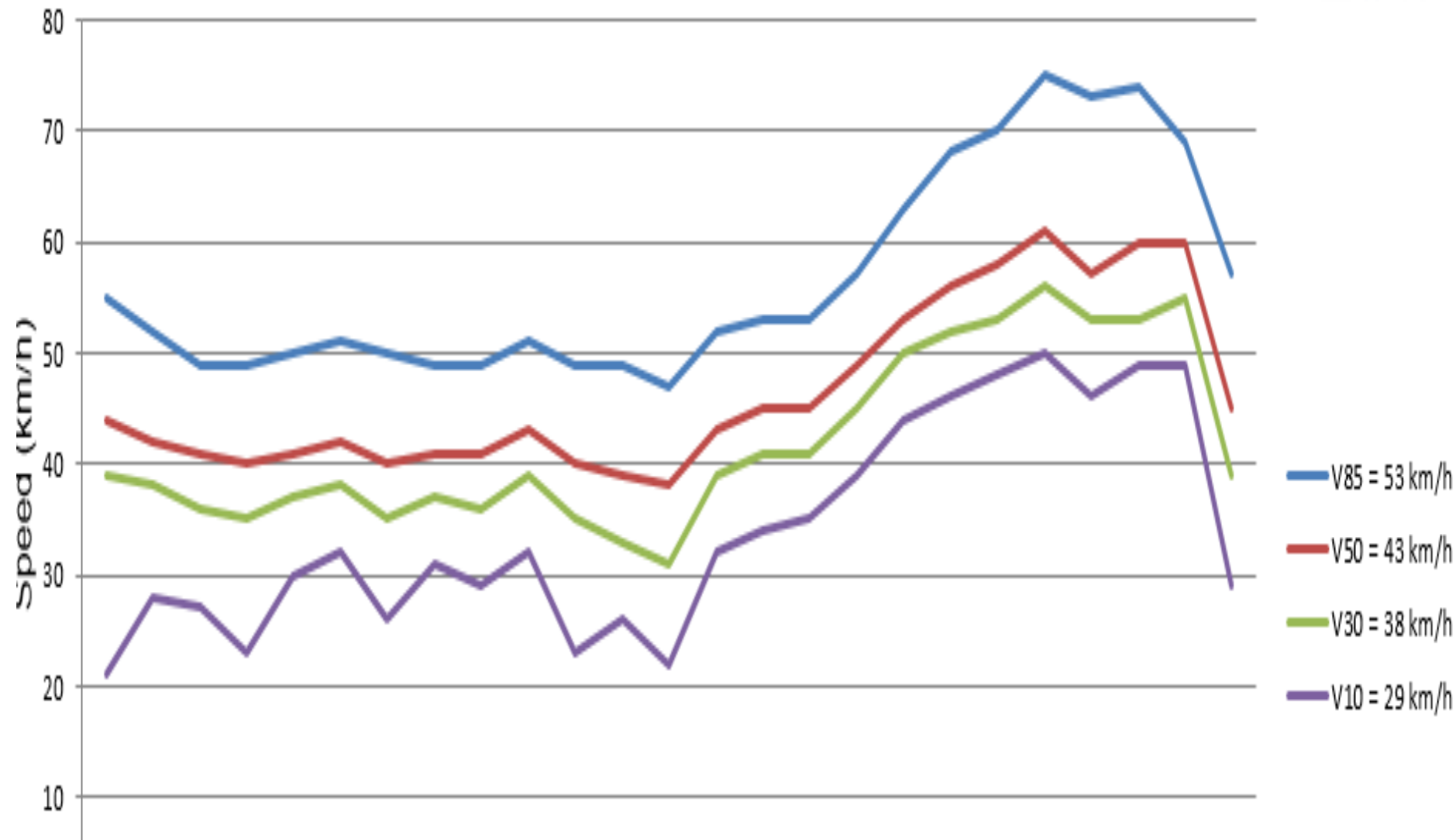
Sequence Average speed



Evaluation time 15 January 2019,07:00 - 16 January 2019,08:00					
Speed limit	50 km/h		Count	Vd[km/h]	Vmax[km/h]
Speed violations	21.35 %	Two-wheelers	357	31	75
Average gap time	10.88 s	Car	13977	43	113
Queue traffic	54.07 %	Vans	415	42	80
ADT	14900	Trucks	358	41	81
AYT	5438500	Bus	414	41	74
LGV traffic share	8.41 %				
Evaluation direction	Both directions	Total	15521	43	113
Adaptationer:	Requested by: Sean Callaghan				
Comment:	Compiled by Dominic Nolan				
Location:	Cabra road				
Arriving vehicles from:	Navan road				
Departing vehicles to:	Same				

- Note highest speed = 113.
- 21.35% speed Violations

Sequence Speed percentiles



V85 = 53 km/h

V10 = 29 km/h

Cabra Road

- No traffic calming and a bus route
- Has a problem with speeding which needs to be addressed
- Traffic calming and other measures to reduce speed would need to be introduced.
- May be a candidate for 40 km/h
- Recommendation :-
- Should not be included in next phase of speed limit reductions.

Recommendations from members.