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# Technical Note 

Project: Concept for Dublin City Council
Special Speed Limit Bye-Laws, March 2021

To: The Chairperson and the Members of the South Central Area Committee meeting

Cc: Senior Engineer Bernard Lester
Cc: Senior Engineer Patricia Reidy

Cc: Senior Executive William Mangan Road Safety Section
Cc: Executive Engineer Rossana Camargo Road Safety Section

## 1. Summary on the Outcome on the last Public Consultation on Dublin City Council's Special Speed Limit Bye-Laws 2020 (COVID19)

The recent Phase 5 Speed Limit Bye-Laws 2020 (Covid-19) was not passed by the Council primarily due to some elected members raising different concerns including car design constraints for prolonged driving at lower speeds, delays for busses, difficulties to focus on the road while monitoring speedometer etc. The outcome of the related public consultation resulted in $56 \%$ of people opposing the Bye-Laws could also be a contributory factor to the Bye-Laws not receiving the council's approval.
$>$ More enforcement and the needs for mobility education
$>$ At the September full council meeting 2020, councillors requested to introduce $40 \mathrm{~km} / \mathrm{h}$ on the following roads: Griffith Avenue, Collins Avenue, Oscar Traynor Road, Malahide Road and Ardlea Road junction to Fairview.
$>$ From the Public submissions, member of the public requested to change the speed limit from $50 \mathrm{~km} / \mathrm{h}$ to $30 \mathrm{~km} / \mathrm{h}$ On the following roads: Amiens Street, Cork Street, Drimnagh Road, Crumlin Road, Dolphins Barn, Lucan Road, Martins Row, East Wall Road, North Circular Road, Drumcondra Road and Ballymun Road.

## 2. Benefits of introducing $30 \mathrm{~km} / \mathrm{h}$ the differences $30 \mathrm{~km} / \mathrm{h}$ and $40 \mathrm{~km} / \mathrm{h}$ for speed limit for the City

## Benefits of 30 km/h

## HARD AND FAST FACTS

 Pedestrians hit by a car... at $30 \mathrm{~km} / \mathrm{h} 1$ in 10 will die
at $50 \mathrm{~km} / \mathrm{h} 5$ in 10 will die
 at $60 \mathrm{~km} / \mathrm{h} 9$ in 10 will die MIIIMIIM, $0=$

Lowering speed limits and lowering the speed differential between the active modes and motorised traffic will contribute to enhanced safety throughout the city.

The introduction of $30 \mathrm{~km} / \mathrm{h}$ speed limit in all roads of the city will make the city safer for more people to walk and cycle and will also assist in making the city a safer place for everyone.

Road accident statistics show lower speeds result in less fatalities, less injuries and severity of injuries with motorists benefiting most. A $5 \mathrm{~km} / \mathrm{h}$ difference in speed could be the difference between life and death for a vulnerable road user like a pedestrian.

- Hit by a car at $60 \mathrm{~km} / \mathrm{h}, 9$ out of 10 pedestrians will be killed.
- Hit by a car at $50 \mathrm{~km} / \mathrm{h}, 5$ out of 10 pedestrians will be killed.
- Hit by a car at $30 \mathrm{~km} / \mathrm{h}, 1$ out of 10 pedestrians will be killed.

Figure 1: Hard and fast facts
$>$ A calmer city, safer roads and shorter braking distance.
$>$ It gives the driver a better view of their surroundings and makes
$>$ It's easier for them to see any pedestrians crossing the road, cyclists and other vehicles. 30kph increases mobility for young people improves health as more walk or cycle and creates vibrant people-friendly spaces.
$>$ Making the city a quieter and safer place to live.

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## Example from Europeans cities that have introduced $30 \mathrm{~km} / \mathrm{h}$ :

$>$ London has $20 \mathrm{mph}(32 \mathrm{~km} / \mathrm{h})$. A speed limit of 20 mph has been imposed on all central London roads managed by Transport for London (TFL), in an attempt to reduce road deaths. The default speed limit in the city is part of a new Vision Zero road safety action plan to encourage more people to walk and cycle in London.
$>$ Edinburgh, The speed limit in the capital was dropped from 30 mph on the majority of streets, crashes fall by a third after Edinburgh's 20 mph limit introduced. The research found that the average monthly number of road traffic collisions dropped from 95 in 2016 to 64 in 2018.
$>$ Paris has $30 \mathrm{~km} / \mathrm{h}$ in its core to improve air quality, but also to reduce noise pollution and traffic accidents.
$>$ Brussels has $30 \mathrm{~km} / \mathrm{h}$ in its core. Its first data from Brussels on average speeds since the new general 30 $\mathrm{km} / \mathrm{h}$ limits was introduced on the $1^{\text {st }}$ of January 2021. The recently speed survey shows a $9 \%$ average reduction in speed and no significant increase in journey times.

## Stockholm Declaration' wants a general $30 \mathrm{~km} / \mathrm{h}$ speed limit

The Stockholm Declaration explains that setting a speed limit of $30 \mathrm{~km} / \mathrm{h}$ should become "the new normal" in all places where cars, cyclists, and pedestrians frequently interact:

Resolution 11 calls for: "Focus on speed management, including the strengthening of law enforcement to prevent speeding and mandate a maximum road travel speed limit of 30 $\mathrm{km} / \mathrm{h}$ in areas where vulnerable road users and vehicles mix in a frequent and planned manner, except where strong evidence exists that higher speeds are safe, noting that efforts to reduce speed will have a beneficial impact on air quality and climate change as well as being vital to reduce road traffic deaths and injuries". (Declaration, 20 February 2020)

The declaration sets a clear message that the adoption of $30 \mathrm{~km} / \mathrm{h}$ limits as a default is necessary on urban and village streets where people live, work, play and shop. Research shows that the introduction of $30 \mathrm{~km} / \mathrm{h}$ speed limits could improve road safety and air quality. It also shows that $30 \mathrm{~km} / \mathrm{h}$ zones must be physically enforced; for example, by constructing road humps, plateaus, and road narrowing.

In the Stockholm Declaration endorsed by the Irish minister responsible for road safety, 30km/h was called for as the max speed where pedestrians and cyclists mix with motors unless there was clear evidence that a higher speed was safe.

## Survivability at 30km/h v 40km/h

There is clear indication on the survivability at $30 \mathrm{~km} / \mathrm{h} v 40 \mathrm{~km} / \mathrm{h}$.

## Injury Risk

(European Commission Mobility and Transport Road Safety, 2021) Explains that risk is highest in light vehicles and for unprotected road users when a heavy and a light vehicle collide. The occupants of light vehicles are far more at risk to sustain serious injury. This is because the energy that is released in the collision is mainly absorbed by the lighter vehicle. Currently, the differences in mass between vehicles are very large. The difference between a heavy goods vehicle and a car can easily be a factor 20. But also the mass differences between cars are large and still increasing. A mass difference of a factor 3 is not an exception. Nevertheless, inappropriate speed remains a larger factor than mass differences in contributing to numbers of severe accidents.

Pedestrians, cyclists and moped riders have a large risk of severe injury when colliding with a motor vehicle. The difference in mass is huge and the collision energy is mainly absorbed by the lighter 'object'. In addition, pedestrians, cyclists and moped riders are completely unprotected: no iron framework, no seatbelts, and no airbags to absorb part of the energy. For a collision between a car and a pedestrian, the following relationship between speed and survival chance was established Ashton and Mackay (1979)

| Car Speed | \% fatally injured <br> pedestrians |
| :---: | :---: |
| $\mathbf{3 2 ~ k m} / \mathrm{h}$ | 5 |
| $\mathbf{4 8} \mathbf{~ k m} / \mathrm{h}$ | 45 |
| $\mathbf{6 4} \mathbf{~ k m} / \mathrm{h}$ | 85 |

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The probability that a pedestrian will be killed if hit by a motor vehicle increases dramatically with speed. The probability of a fatal injury for a pedestrian colliding with a vehicle is illustrated in the below figure. The research from Road Safety Manual for Decision-Makers And Practitioners Word health Organization indicates that while most vulnerable (unprotected) road users survive if hit by a car travelling $30 \mathrm{~km} / \mathrm{h}$, the majority are killed if hit by a car travelling at $50 \mathrm{~km} / \mathrm{h}$


Figure 2: Probability of Fatal Injury for Pedestrian Colliding with Vehicle.

## Stopping Distances.

The higher the speed, the longer the stopping distance. Even if a collision occurs, the consequences are less serious at a slower speed. Please see the following figure, Stopping distances from Speed management: a road safety manual World Health Organization.


A very important issue on busy streets is that, the distance a $30 \mathrm{~km} / \mathrm{h}$ car can stop of 13 m a $40 \mathrm{~km} / \mathrm{h}$ car has only just had the brakes applied and will still be doing in excess of $30 \mathrm{~km} / \mathrm{h}$. It's the difference between "stopping in time and missing a pedestrian" or "hitting them at $30 \mathrm{~km} / \mathrm{h}$ ".
Figure 3: illustration of stopping distance in an emergency braking. Source World Health Organization Speed management a Road safety manual for decision maker and practitioners

## Different speed limits will lead to a proliferation of signage throughout the city:

The best practice is to have standard speed limits on the roads and minimise the changes of speed limits on certain roads, where an exception to this speed limit applies. Speed limit signs are provided only at the points of entry to the speed limit zone and at the points of change from one-speed limit to another. If a designer implements different speed limits on the roads, this would lead to a proliferation of signs throughout the city and cause distraction and confusion for drivers.
$30 \mathrm{~km} / \mathrm{h}$ is the best practice as per the Stockholm Declaration. At a time when the world, including United Nations, World Health Organization, OECD, etc is saying that $30 \mathrm{~km} / \mathrm{h}$ should be the max unless there is clear evidence that higher is safe, a $40 \mathrm{~km} / \mathrm{h}$ limit (which endorses driving at $40 \mathrm{~km} / \mathrm{h}$ ) is difficult as a designers to implement 40 $\mathrm{km} / \mathrm{h}$ as the evidence are clear that the safer for vulnerable road users such as pedestrians, cyclists, moped riders and motorcyclists is $30 \mathrm{~km} / \mathrm{h}$.

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## The importance to implement $30 \mathrm{~km} / \mathrm{h}$ for Dublin city (School Zone)

As the city is expecting to be re-opening gradually, Dublin City Council needs to make sure that we adhere to the rules of this new way of living and working and continue to suppress the spread of the virus. Dublin City Council requires to implement lower speeds on all the roads of Dublin City in order to increase safety for the increased number of pedestrians and cyclists on the road network.

School Zones are designed to create a safer, calmer, attractive environment in front of schools. The Zones consist of gateway School Zone and painted circle road markings with pencil bollards.

The objectives of the zones is to make it safer for children to engage in active travel by walking and cycling to school. This is achieved through increased visibility of the zone which draws motorist attention to the presence of a school and discourage speeding and vehicle drop-off congestion in vicinity of the school.

Since the introduction of its first 2 School Zones, Dublin City Council has received over 100 applications from primary schools throughout the DCC area. To-date, 29 school zones have been installed on streets with 30 kph speed limits. Feedback has been very positive. However, applications have been received from a large number of schools located within $50 \mathrm{~km} / \mathrm{h}$ speed limit areas which are not suitable for the implementation of school zones. In accordance with NTA guidelines.

Figure 4: School Zones Lord Mayor of Dublin Hazel Chu at the first school zone at Francis Street School

The Road Safety Section recommended the reduction of the speed limit from $50 \mathrm{~km} / \mathrm{h}$ to $30 \mathrm{~km} / \mathrm{h}$ at all school locations in Dublin. This will reduce traffic congestion, improve air quality, and will encourage cycling and walking among children with the associated benefits of better physical and mental health and better concentration.


Figure 5: School Zones at Central Model School and Star of the Sea

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## 3. New proposal Dublin City Council's Special Speed Limit Bye-Laws 2021

The Road Safety section reviewed in the new proposal the observations received on the last public consultation from:

1. The September full council meeting 2020, councillors requested to introduce $40 \mathrm{~km} / \mathrm{h}$ on the following roads: Griffith Avenue, Collins Avenue, Oscar Traynor Road, Malahide Road and Ardlea Road junction to Fairview.
2. The Public submissions, member of the public requested to change the speed limit from $50 \mathrm{~km} / \mathrm{h}$ to 30 km/h on the following roads: Amiens Street, Cork Street, Drimnagh Road, Crumlin Road, Dolphins Barn, Lucan Road, Martins Row, East Wall Road, North Circular Road, Drumcondra Road and Ballymun Road.
3. The reviewed of the overall network of all the arterial roads was reviewed taking in consideration the following criteria:

### 3.1 General Criteria for the introduction of $30 \mathrm{~km} / \mathrm{h}$ in the arterial roads:

1. Traffic Management Guidelines recommends $30 \mathrm{~km} / \mathrm{h}$ for the speed limit on the main roads and villages as a default speed throughout the South Central Area.
2. There will be exceptions to this speed which are summarised below.(Table 1: Exclusion Road South Central Area)
3. Traffic Management Guidelines explains that the minimum length of a speed limit is normally 800 metres. This is to give drivers the opportunity to adjust their speeds and not confuse them with frequent changes of limits. Situations arise where it is better to curtail or extend a speed limit to clear a hazard such as a bend, a junction or a hump-backed bridge. (TMG P.71).
4. The reduction of speed limit was carried out following the specification setting on the Guidelines for Setting and Managing Speed Limits in Ireland chapter 6 and 7 (The Setting of Speed Limits - General Guidance and The Setting of Speed Limits - Detailed Guidance).
5. The presence of schools on the roads. The reduction of speed will give more protection to the School children and all road users including pedestrians and cyclists which are the most vulnerable.
6. Roads that are in residential Areas. The reduction of speed will give more protection to the residents and all road users including pedestrians and cyclists which are the most vulnerable.
7. The proximity of the villages in the South Central Area.

### 3.2 The Road Safety Section Assessment:

1. Table 1: Exclusion Road South Central Area

|  | Road | Current <br> speed <br> limit | Proposed <br> speed limit | School <br> present | Other <br> amenities | Reason <br> for not <br> Changing |
| :---: | :--- | :--- | :--- | :--- | :--- | :--- |
| 1. | Number 1: <br> Chapalizod By-pass <br> from the South of <br> Dublin County Council <br> / Dublin City Council's <br> Boundary to its <br> junction with Con <br> Colbert Road. | $80 \mathrm{~km} / \mathrm{h}$ | $80 \mathrm{~km} / \mathrm{h}$ |  | By-pass |  |
| 2. | Number 2: Con <br> Colbert Road from <br> Chapelizod By-Pass <br> junction to a point with <br> metres west of its <br> junction with South <br> Circular Road | $60 \mathrm{~km} / \mathrm{h}$ | $60 \mathrm{~km} / \mathrm{h}$ |  | Island <br> Bridge <br> Arterial <br> route. |  |

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|  | Road | Current <br> speed <br> limit | Proposed speed limit | School present | Other amenities | Reason for not Changing |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 3. | Number 3: Nass Road from South Dublin County Council/ Dublin City Council's boundary to its junction with Walkinstown Avenue | $60 \mathrm{~km} / \mathrm{h}$ | $60 \mathrm{~km} / \mathrm{h}$ |  |  | Arterial road |
| 4. | Number 4: Long Mile Road from South Dublin County Council/ Dublin City Council's boundary to its junction with Walkinstown Avenue | $60 \mathrm{~km} / \mathrm{h}$ | $60 \mathrm{~km} / \mathrm{h}$ |  |  | Arterial road |
| 5. | Number 4: Lucan Road between Dublin City Council / South Dublin County Council's boundary to its junction with Kilmore interchange. | $50 \mathrm{Km} / \mathrm{h}$ | $50 \mathrm{~km} / \mathrm{h}$ |  |  | Arterial road |
| 6. | Number 5 Kylemore Road from its junction with Chapalizod ByPass to its junction with Ballyfermort Road | $50 \mathrm{Km} / \mathrm{h}$ | $50 \mathrm{~km} / \mathrm{h}$ |  |  | By-pass |
| 7. | Number 6: St john's Road West from its junction with Military Road to a point 150 metres west of its junction with South Circular Road | $50 \mathrm{Km} / \mathrm{h}$ | $50 \mathrm{~km} / \mathrm{h}$ |  |  | Arterial road |
| 8. | Number 7 Nass Road from Walkinstown Avenue to its junction with Bluebell | $60 \mathrm{~km} / \mathrm{h}$ | $50 \mathrm{~km} / \mathrm{h}$ |  |  | Arterial road |
| 9. | Number 8: Long Mile Road from its junction with Walkinstown Avenue to its junction with Walkinstown Parade. | $60 \mathrm{~km} / \mathrm{h}$ | $50 \mathrm{~km} / \mathrm{h}$ |  |  | Arterial road |
| 10. | Number 9: Long Mile Road from its junction with Walkinstown Avenue to its junction with Walkinstown Parade | $60 \mathrm{~km} / \mathrm{h}$ | $50 \mathrm{~km} / \mathrm{h}$ |  |  | Arterial road |

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2. Table 2: Reduction of speed limit from $50 \mathrm{~km} / \mathrm{h}$ to $30 \mathrm{~km} / \mathrm{h}$ at the South Central Area

|  | Road | Current <br> speed <br> limit | Propose speed limit | School present | Other amenities | Reason for change |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1. | Martin's Row | 50km/h | $30 \mathrm{~km} / \mathrm{h}$ | - St <br> Laurence's <br> National <br> School <br> - St Patricks <br> National School |  | School zone |
| 2. | St Laurence Road | 50km/h | $30 \mathrm{~km} / \mathrm{h}$ |  |  | Residential area |
| 3. | Bridge Street | 50km/h | $30 \mathrm{~km} / \mathrm{h}$ |  |  | Residential area |
| 4. | Emmet Road from Tyrconnell Road to South Circular Road | 50km/h | $30 \mathrm{~km} / \mathrm{h}$ |  | - Inchicore College of Further Education | Residential area |
| 5. | Old Kilmainham | 50km/h | $30 \mathrm{~km} / \mathrm{h}$ |  |  | Residential area |
| 6. | Mount Brown | 50km/h | $30 \mathrm{~km} / \mathrm{h}$ |  |  | Residential area |
| 7. | James's Street | 50km/h | $30 \mathrm{~km} / \mathrm{h}$ |  | - Saint James's Hospital - | Residential area |
| 8. | Thomas Street | 50km/h | $30 \mathrm{~km} / \mathrm{h}$ |  | - National College of Art and Design |  |
| 9. | Cornmarket | 50km/h | $30 \mathrm{~km} / \mathrm{h}$ |  |  | Residential area |
| 10. | High Street | 50km/h | $30 \mathrm{~km} / \mathrm{h}$ |  | - Dublinia | Tourist and residential area |
| 11. | Bulfin Road From Emmet Road to and South Circular Road | 50km/h | $30 \mathrm{~km} / \mathrm{h}$ |  |  | Residential area |
| 12. | South Circular Road from the junction of Chapelizod Road with Conyngham Road to Davitt Road | $50 \mathrm{~km} / \mathrm{h}$ | $30 \mathrm{~km} / \mathrm{h}$ |  |  | Residential area |
| 13. | South Circular Road from Bulfin |  |  |  | - Hangeul Korean |  |

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|  | Road | Current speed limit | Propose speed limit | School present | Other amenities | Reason for change |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | road to Clanbrassil Street |  |  |  | School Dublin <br> - Griffith College |  |
| 14. | Davit Road from Nass Road to South Circular Road | 50km/h | $30 \mathrm{~km} / \mathrm{h}$ |  |  | Residential area |
| 15. | Ballyfermot Road | 50km/h | $30 \mathrm{~km} / \mathrm{h}$ |  | - Ballyfermot <br> Primary <br> Care <br> Centre | Residential area |
| 16. | Sarfield Road from Laurance Road junction to Inchicore Road | 50km/h | $30 \mathrm{~km} / \mathrm{h}$ |  |  | Residential area |
| 17. | Con Colbert Road | 50km/h | $30 \mathrm{~km} / \mathrm{h}$ | - St. John of God Special School |  | School zones |
| 18. | Inchicore Road | 50km/h | $30 \mathrm{~km} / \mathrm{h}$ |  |  | Residential |
| 19. | Kylemore Road from Ballyfermot Road to Walkinstown Avenue | 50km/h | $30 \mathrm{~km} / \mathrm{h}$ | - St Raphaels <br> National School |  | School zones |
| 20. | Nass Road from Bluebell junction reduction of speed limit to Tyrconnell Road | $50 \mathrm{~km} / \mathrm{h}$ | $30 \mathrm{~km} / \mathrm{h}$ |  |  | Residential area |
| 21. | Tyrconnell Road | 50 km/h | $30 \mathrm{~km} / \mathrm{h}$ | - Scoil Muire Gan Smal |  | School zone |
| 22. | Grattan Cress | 50 km/h | $30 \mathrm{~km} / \mathrm{h}$ | - Richmond Park <br> - Inchicore National School |  | Close to the school. |
| 23. | Drimnagh Road from Mile Road, Walkinstown parade to Crumlin Road | $50 \mathrm{~km} / \mathrm{h}$ | $30 \mathrm{~km} / \mathrm{h}$ | - Drimnagh Castle Primary School |  | School zone |
| 24. | Walkinstown Road | 50 km/h | $30 \mathrm{~km} / \mathrm{h}$ | - Assumption Junior National |  |  |

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|  | Road | Current <br> speed <br> limit | Propose <br> speed limit | School present | Other <br> amenities | Reason for <br> change |
| ---: | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  | School <br> Walkinstown |  | Residential <br> area |
| 25. | Walkinstown <br> Avenue | $50 \mathrm{~km} / \mathrm{h}$ | $30 \mathrm{~km} / \mathrm{h}$ |  |  | Residential |
| 26. | Dolphin's Barn | $50 \mathrm{~km} / \mathrm{h}$ | $30 \mathrm{~km} / \mathrm{h}$ |  | Residential <br> area |  |
| 27. | Cork Street | $50 \mathrm{~km} / \mathrm{h}$ | $30 \mathrm{~km} / \mathrm{h}$ |  | Residential <br> area |  |
| 28. | St Luke's Avenue | $50 \mathrm{~km} / \mathrm{h}$ | $30 \mathrm{~km} / \mathrm{h}$ |  | Cyclist area |  |
| 29. | Victoria Quay | $50 \mathrm{~km} / \mathrm{h}$ | $30 \mathrm{~km} / \mathrm{h}$ |  | Cyclist area |  |
| 30. | User's island | $50 \mathrm{~km} / \mathrm{h}$ | $30 \mathrm{~km} / \mathrm{h}$ |  | Cyclist area |  |
| 31. | Merchant's Quay | $50 \mathrm{~km} / \mathrm{h}$ | $30 \mathrm{~km} / \mathrm{h}$ |  |  |  |

## TIMELINE FOR IMPLEMENTATION OF NEW SPEED BYE LAWS

- Stage 1 - Proposal presented at South Central Area Meeting on Wednesday the $10^{\text {th }}$ of March 2021.
- Stage 2 - Councillors given1 week to send feedback to speedreview@dublincity.ie. Feedback on the proposal must be given before 5pm on Wednesday the $17^{\text {th }}$ of March 2021. If no feedback is received before this date, it will be presumed that the Councillor has no feedback relating to the proposal.
- Stage 3 - The proposal will go up on the Consultation hub on Monday the 29 th of March 2021 for a NonStatutory Public Consultatlion Process. This will be for 2 weeks from Monday 29th of March until Friday 9th of April.
- Stage 4 - At the end of this process The Road Safety Section will circulate the final map and report for noting to the Councilors at the end of April.
- Stage 5 - The report will be presented at the Traffic and Transport SPC meeting on the Wednesday $5^{\text {th }}$ of May 2021.
- Stage 6 - The report will be presented at the City Council Monthly Meeting on Monday $10^{\text {th }}$ of May to obtain the approval to carry out statutory Public Consultation from the Monday $7^{\text {th }}$ of June to the Monday $19^{\text {th }}$ of July 2021.
- Stage 7 - The report of the outcome of the statutory public consultation will be presented at the Traffic and Transport SPC meeting on the Wednesday $8^{\text {th }}$ of September 2021
- $\quad$ Stage 8 - The report of the outcome of the statutory public consultation will be presented at the City Council Monthly Meeting on the Monday $4^{\text {th }}$ of October 2021.
- Stage 9- With the approval of the Councillors on the Special Speed Limit Bye-Laws, 2021 the Road Safety Section will carry out the implementation of signage starting on December 2021.


## Bibliography

Declaration, S. (20 February 2020). Achieving Global Goals 2030 Stockholm,. Stockholm, Sweden: Declaration, Stockholm
European Commission Mobility and Transport Road Safety. (2021, 02 16). Retrieved from https://ec.europa.eu/transport/road_safety/specialist/knowledge/speed/speed_is_a_central_issue_in_ro ad_safety/speed_and_the_injury_risk_for_different_speed_levels_en

## Appendixes:

1. Map Proposal for Dublin City Council Special Speed Limit Bye-Laws, March 2021
2. South Central Area Map Proposal for Dublin City Council Special Speed Limit Bye-Laws, March 2021
3. Social media campaign February 2021 \#Loving30

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- Workshop Loving 30

The Road Safety Section organized a workshop on the Thursday $28^{\text {th }}$ January 2021 on Microsoft Teams, in order to raise awareness and clarification on the importance of introducing $30 \mathrm{~km} / \mathrm{h}$ as a safer measure. The link is available as follows: https://www.youtube.com/watch?v=q2rYn412LsU.

- Social Media Campaign \#Loving 30:



[^0]:    Senior Executive Engineer Willian Mangan
    Executive Engineer Rossana Camargo

