



Rialtas na hÉireann  
Government of Ireland

**NTA**  
Údarás Náisiúnta Iompair  
National Transport Authority



# Cycle Design Manual Maintenance

October 2023



# 5

## Implementation & Maintenance



# Implementation and Maintenance

🚲 Cyclists are more directly affected by hazardous surfaces, so routine and winter maintenance of cycle tracks requires a different approach to that used on-carriageways.

🚲 Under the 1993 Roads Act (Section 13, Part 2), public roads are to be maintained. The maintenance of cycle ways and cycle tracks falls within this remit.



# Implementation



# Foundation

🚲 Foundations of a track are key to the quality and longevity of the track surface.

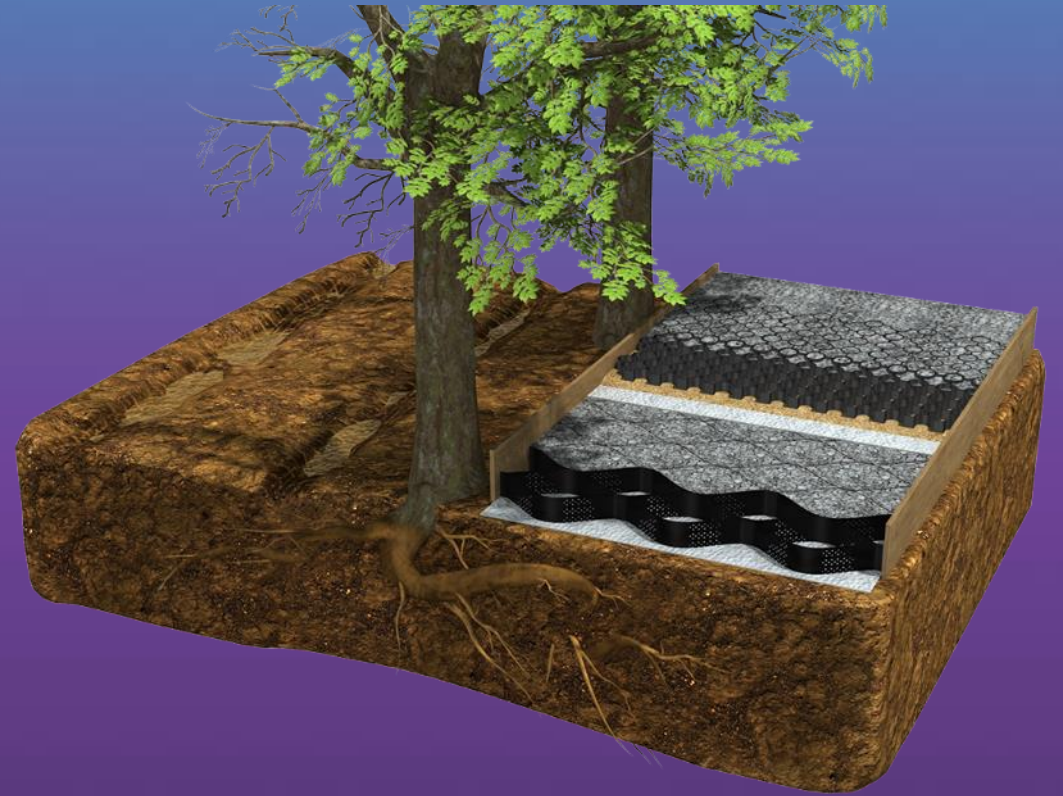


Images from Sustrans

# Foundation



# Foundation



# Drainage

🚲 The standard of drainage associated with cycle routes must be effective given that cycle braking systems and tyres are not as effective in the wet and that standing water can conceal serious surface defects, amongst other risks.



Source: Mark Strong



Drainage



# Drainage



# Drainage



# Drainage - SUDS



# Pavement

- 🚲 Smooth surfaces improve accessibility and safety for a wider range of users, such as wheelchair users, mobility scooters and those using non-standard bicycles.



# Pavement



# Pavement Colour

## Strengths

- 🚲 Legibility
- 🚲 Comfort and attractiveness
- 🚲 Safety priorities

## Weakness

- 🚲 Visual Impact in Historic Settings
- 🚲 Maintenance







# Maintenance



# Maintenance Type

- 🚲 **Routine Maintenance:** this can include regular scheduled actions such as routine maintenance inspection, street cleaning, traffic sign cleaning, grass cutting and landscape maintenance;
- 🚲 **Reactive Maintenance:** this can include responding to inspections, complaints or emergencies;
- 🚲 **Regulatory Maintenance:** this can include inspecting and regulating the activities of others; and
- 🚲 **Seasonal Maintenance:** spring, summer, autumn, winter.





DENNIS





Source: Irish Independent



#ActiveTravellLimerick

Comhairle Cathrún & Contae Limerígh  
Limerick City & County Council

NTA  
LIMERICK

087 922 2222  
www.limerick.ie

















LANA  
BUS













Luton - South  
07:00 - 19:30  
N - S


60  
km/h








# Circular Economy

 Circular economy ensures that everyone uses less resources and prevents waste to achieve sustainable economic growth.

 As designers we must look to how these measures can be incorporated into Active Travel Projects.



# Greener Materials

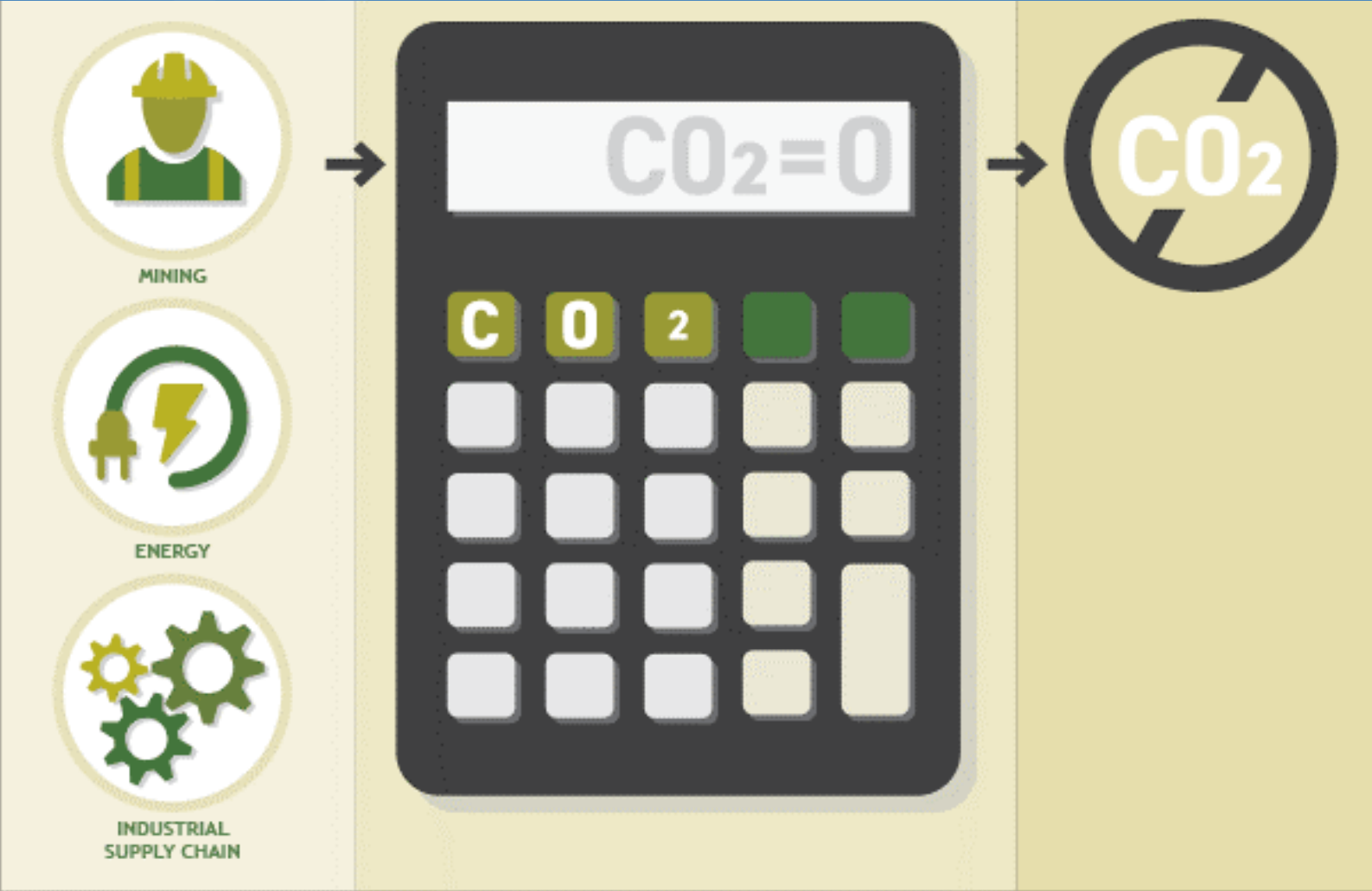


**More opportunities for  
Recycled Asphalt Product (RAP)**



**Department of Enterprise, Trade and  
Employment has formed a Cement &  
Construction Sector  
Decarbonisation working group**

# Greener Materials



# Thank you for your attention

Email feedback: [cyclemanual@nationaltransport.ie](mailto:cyclemanual@nationaltransport.ie)







And Finally!



# How did the Dutch get their cycle paths?



- <https://youtu.be/SYHz93HXJFQ>





Source: Irish Independent



kangaroo  
LITE

BABCOCK



Source: [Önne Kask](#)



**Bleeper** Find out more at [BleeperActive.com](http://BleeperActive.com)



Comhairle Contae  
Fhine Gall  
Fingal County  
Council



**Fingal Cargo Bike**

Operated by **Bleeper**

This shared Community Cargo Bike is supported by Fingal County Council and operated by bike-sharing service Bleeper. The Community Cargo Bike can be hired by downloading the Bleeper app.

Scan for more information or visit the website:

[www.fingal.ie/ecargo](http://www.fingal.ie/ecargo)



[www.fingal.ie/ecargo](http://www.fingal.ie/ecargo)

### Fingal Cargo Bike

#### How It Works

The shared Community Cargo Bike is supported by Fingal County Council and operated by bike-sharing service Bleeper. The Community Cargo Bike can be hired by downloading the Bleeper app.

**Opening the Bunker**  
To hire the bike you must use a QR code to open the bike. The QR code is located on the back of the bike. The QR code is also available on the Bleeper app.

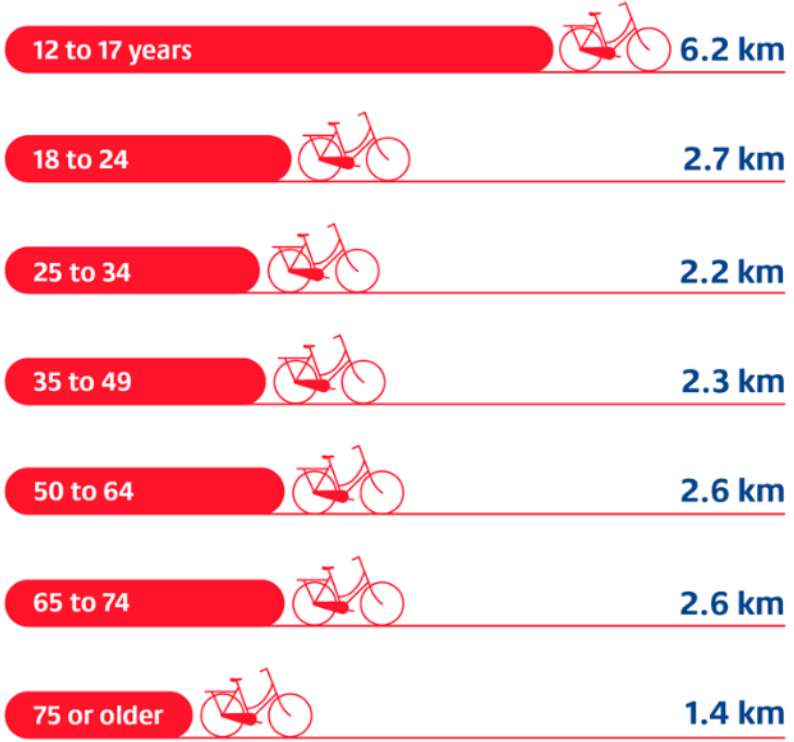
**Hiring the Cargo Bike**  
The cargo bike is supported by the Bleeper app. To hire the bike, you must download the Bleeper app and use the QR code to open the bike.

**Cargo Bike Key Rules**  
1. The cargo bike must be used properly and in accordance with the Bleeper app.  
2. It is not permitted to carry passengers on the bike.  
3. The cargo bike must be used on a paved surface and must not be used on a road or in a park.

**Need Assistance?**  
For more information visit the Fingal Cargo Bike page on the Bleeper app.  
If you need assistance please contact Bleeper Customer Care team.  
0845 4422 1079  
[customer@bleeper.com](mailto:customer@bleeper.com)



### Average cycling distance per person per day, 2015



SOURCE  
Statistics Netherlands, The Hague/Heerlen/Bonaire, 2017.





Source: Cycling Ireland



Thank you for  
attending.

