

Traffic Department



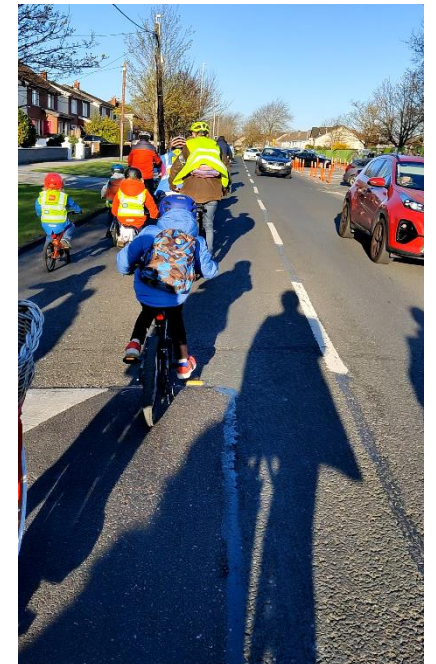
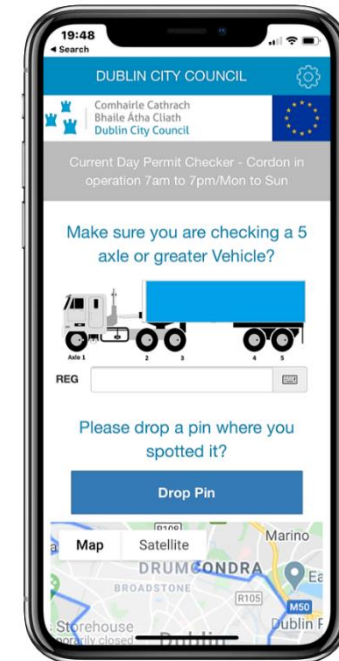
Climate Change actions

Climate Change

- Transportation changes to encourage mode shift from private car to Public Transport Walking and cycling.
- Support for the big infrastructure projects to enhance public transport :-
 - Bus Connects project and network redesign:-
 - MetroLink project
 - Dart +
 - Luas to Finglas
- These projects increase capacity on public transport and ensure more areas are connected to the public transport network to make the transition away from private vehicles.

DCC schemes

- Changes in the city such as Capel Street and the proposals for College Green.
- We will be working on an updated city centre plan focused on delivering the aims set out in the development plan with particular emphasis on achieving the mode share targets set in the plan.
- Shared Bike Schemes
- Car sharing schemes
- Cycling for all initiatives
- HGV management strategy



Cargo Bikes - Solutions & Innovation



DCC Bye-laws for ECO Hubs

ECO Delivery Hub with UPS

School Mobility Programme



Central Model School , Marlborough St , D1



Mock up Harold's Cross Road Safe Routes to School Design Guide (Version 1.1 09/03/20222)

National Transport Authority Funded School Zones and Safe Route To School Programme. Now to progress interim programme of works to improve safety at the school gate through these programmes at 10 locations, 13 schools.

This is subject to current staffing resources in Dublin City Council

[Safe Routes to School \(SRTS\) Programme - National Transport](#)

[Safe Routes to School – Green-Schools](#)

What in a School Zone



School Zones

Achievements To Date

School Zones / Front Of School Treatments per DCC Administrative Area					
Administrative Area	South East	South Central	Central	North Central	North West
67 Completed School Zone	14	15	14	9	15
52 Awaiting School Zone	14	3	13	17	5
13 Current Safe Routes To School Round 1 Front of School Treatment	4	2	2	5	0
10 Current School Zone at Final Design	3	0	3	4	0
119 Assessed by School Warden Unit to see how aligns with School Warden Needs and safe crossing for school children. Audit of condition of completed School Zones					

Feedback On School Zones

Amazing, cool, I just came out and saw them... the cars won't park at the side now so that we can get past... I think it's a lot safer" Cole and Jackson, aged 9 and 10.

"It makes our school a happier cooler place."
Ollie, Age 8

"I can come on my bike now." Brogan, Age 7



***"The school zone on St Peter's Rd for the St Peter's National School where my son attends has been a blessing. It has given him the confidence to walk from school to Tesco on the Phibsborough Rd without the fear of a car flying up or down St Peter's Rd. Congestion has been greatly reduced."* Parent, St. Peter's NS, Phibsborough**

Public Lighting LED replacement project

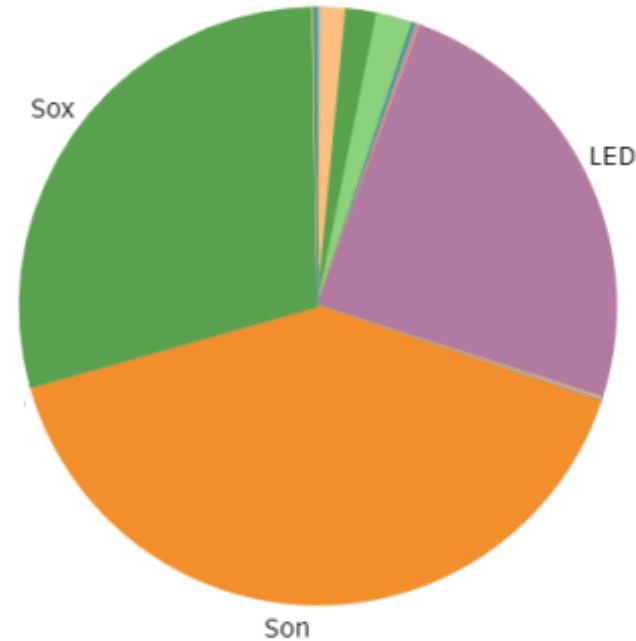
Project Summary

The Lighting Upgrade Project shall:

- Reduce Energy Consumption by 50% or more:
 - by replacing up to 40,000 luminaires with highly efficient LED luminaires
- Address some of the Safety Concerns with existing Lighting Infrastructure:
 - by replacing up to 4,000 lighting columns.
 - by replacing significant amount of public lighting legacy cabling with up to 70km of ducting being installed.
- Enhance and Improve the Public Realm By replacing up to 120 standard columns/luminaires with Heritage Columns/luminaires to bring uniformity to streetscape.
- Provide a Central Management System (CMS) for Street Lights:
 - This will allow all street lights to be remotely managed and controlled.
- Facilitate Smart City Applications within Dublin City.
- Cost circa €55M over 4-8 years.

Energy Usage

- Public Lighting accounts for approx. 24% of DCC total energy usage
- Energy Costs €4 million per annum
- All new lighting schemes must be LED
- 25% of all existing lights are LED
- All remaining lights will be upgraded to LED over the coming years



Energy

- Energy Reduction >50% achievable on average
 - Current Energy Consumption - 21GWh (Total Consumed Energy)
 - Anticipated Energy Reduction - 50% of remaining non-LED lights - (9GWh)
- Anticipated Carbon Reduction - 2,500 tonnes of CO2 saving per year (when project finished)

Public Lighting LED replacement project

Heritage Lighting Columns & Wall Brackets Today

- All heritage columns in DCC named by original foundry or where they were first installed
- Originals are cast iron, replicas have an inner steel tube
- Introducing more onto historical streets and areas
- Lighting equipment today – mostly steel or aluminium



Public Lighting LED project

Heritage Lighting Columns



Traffic Signals LED conversion

Equipment type	Total	Led	Halogen
Intersection/ crossings	820	758	62



Co2 Emissions for LED Signal Sites : 341 Tonnes
Co2 Emissions for equivalent HAL Signals : 1,628 Tonnes
Annual Carbon Footprint Reduction : 1,287 Tonnes Co2



The End

