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Residential Travel Plan

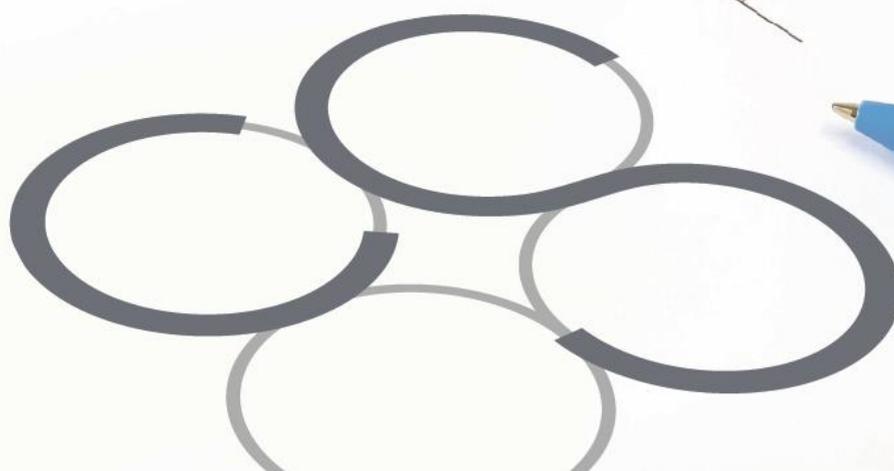
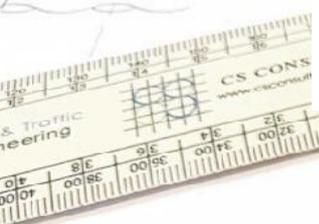
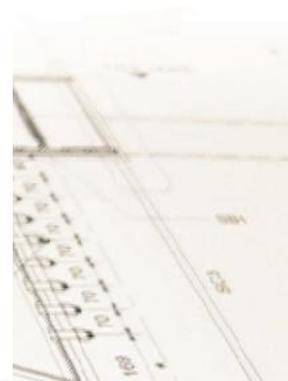
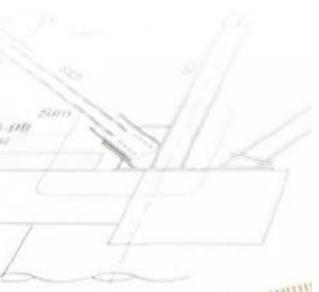
Alterations to Shoreline GA01 Lands at Baldoyle

Stapolin Growth Area 1, Baldoyle, Co. Dublin

Client: The Shoreline Partnership

Job No. R089

May 2021



RESIDENTIAL TRAVEL PLAN

ALTERATIONS TO SHORELINE GA01 LANDS AT BALDOYLE STAPOLIN GROWTH AREA 1, BALDOYLE, CO. DUBLIN

CONTENTS

1.0	INTRODUCTION _____	1
2.0	RESIDENTIAL TRAVEL PLAN PURPOSE _____	4
3.0	EXISTING SITE CONDITIONS _____	5
4.0	CONTENT OF THE RESIDENTIAL TRAVEL PLAN _____	11
5.0	OBJECTIVES OF THE RESIDENTIAL TRAVEL PLAN _____	12
6.0	INITIAL TARGETS OF THE RESIDENTIAL TRAVEL PLAN _____	16
7.0	MOBILITY MANAGEMENT MEASURES _____	19
8.0	SUMMARY _____	25

Appendix A: Links to relevant guidance documents concerning mobility management

Appendix B: GoCar Letter of Support

Appendix C: Bleeperbike Letter of Support

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1.0 INTRODUCTION

Cronin & Sutton Consulting Engineers have been commissioned by The Shoreline Partnership to prepare a Residential Travel Plan for a proposed residential development at Stapolin Lands, Baldoyle, Dublin 13.

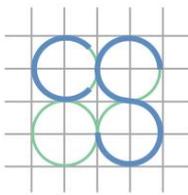
1.1 Location, Size and Scale of the Development

The proposed development site is located at Stapolin Growth Area 1, Baldoyle, Co. Dublin, in the administrative jurisdiction of Fingal County Council. The site has a total site area of c. 9.1ha and a site development area of c. 8.89ha.



Figure 1 – Location of proposed development site
(map data & imagery: EPA, OSM Contributors, Google)

The location of the proposed development site is shown in Figure 1 above; the indicative extents of the development site, as well as relevant elements of the surrounding road network, are shown in more detail in Figure 2.



The site is bounded to the west by The Dublin-Belfast rail line and by Clongriffin railway station, to the north by further zoned development lands, to the east by the established Red Arches residential development, to the south by the established Myrtle residential development, and to the south-east by a permitted residential development currently under construction (under planning reg. ref. F16A/0412).



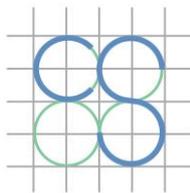
Figure 2 – Site extents and environs
(map data & imagery: NTA, OSi, OSM Contributors, Microsoft)

The subject lands are currently undeveloped.

The development is supported by a Residential Travel Plan as a suitable mechanism by which the development can maintain a suitable rate of private car use and support the objectives of sustainable development.

1.2 Proposed Development

The development will consist of alterations to the permitted development, as permitted under FCC Reg. Ref. 16A/0412, ABP Reg. Ref. ABP-248970 (as amended by F20A/0258 and F21A/0046) of 544 no. residential units (385 no. apartments and 159 no. houses), retail and a crèche, to the development of 882 no. new residential dwellings (747 no. apartments, 135 no. houses), residential tenant amenity, retail, crèche, parking, and public realm, over a total site area of c. 9.1 ha, and site development area of c. 8.89 ha. Landscaping will include extensive communal amenity areas, and significant public open space provision.



2.0 RESIDENTIAL TRAVEL PLAN PURPOSE

Residential Travel Plans are developed for the purpose of promoting and enhancing travel via more sustainable modes of transport. They serve to identify travel demand strategies that reduce single occupancy private car travel, which in turn reduces traffic congestion, noise pollution and environmental impacts. Residents of the development are informed of existing alternatives to the private car and are given the required advice, support, and encouragement to travel in a sustainable way. The Residential Travel Plan also includes reference to proposed future improvements to those transport options already available.

The aim of the Residential Travel Plan is to provide more sustainable transport choices, which lead to a reduction in the need for vehicular journeys, especially by private car. The RTP recognises that not all trips can be taken by sustainable modes and that some motor vehicle trips will still be necessary.

The RTP should be considered as a dynamic process, wherein a package of measures and campaigns is identified, piloted, and then monitored on an ongoing basis. The nature of the plan therefore changes during its implementation: measures that prove successful are retained, while those that are not supported are discarded. It is important that the plan retains the support of users and receives continuous monitoring. Feedback and active management of the plan are required for it to continue to be successful.

3.0 EXISTING SITE CONDITIONS

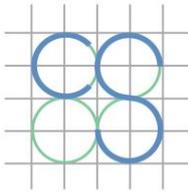


Figure 3 – Walking times and public/shared transport accessibility
(map data and imagery: NTA, OSM Contributors, Google, Travelttime Platform)

3.1 Pedestrian Accessibility

One of the specific objectives of the Fingal County Development Plan is to implement, at appropriate locations, pedestrian permeability schemes and enhancements.

Existing pedestrian facilities on Longfield Road, Grange Road and neighbouring streets in the vicinity of the development site are in good condition. Raised footpaths and public lighting are in place on Longfield Road in the vicinity of the subject development site.



3.2 Public Transport Services

3.2.1 Rail Services

The DART rail line connects Malahide to Bray/Greystones via Dublin city centre. DART connectivity to the wider rail network is good, with connections at Howth Junction, Connolly and Pearse Street Stations.

Table 1 – DART Rail Services adjacent to Site

Direction	Destinations	Weekday Services ¹	Peak Interval
Northbound	Malahide	50	7 min
Southbound	Bray - Greystones	49	9 min

The subject development site is located within a 5-minute walk of Clongriffin Train Station on the DART Line. Rail services operating to and from this stop connect the development directly to Howth and Malahide in the north and to Dublin city centre in the south before continuing on to Bray and Greystones. Trains serve Clongriffin Rail Station at intervals of approximately 15-20 minutes during peak hours.

3.2.2 Bus Services

Table 2 – Bus Services within 5-minute Walk of Site

Route No.	Operator	Destinations	Weekday Services ²	Peak Interval
29a	Dublin Bus	Lwr Abbey St / Baldoyle	51	10 min
15	Dublin Bus	Clongriffin / Ballycullen Rd	123	10 min

Bus stops on Grange Road and Clongriffin Main Street, within a 5-minute walk of the subject site, are served by 2no. bus routes

¹ Average number of services per day in given direction, Monday-Friday

² Average number of services per day in each direction, Monday-Friday

operated by Dublin Bus. Details of these bus routes are given in Table 2.

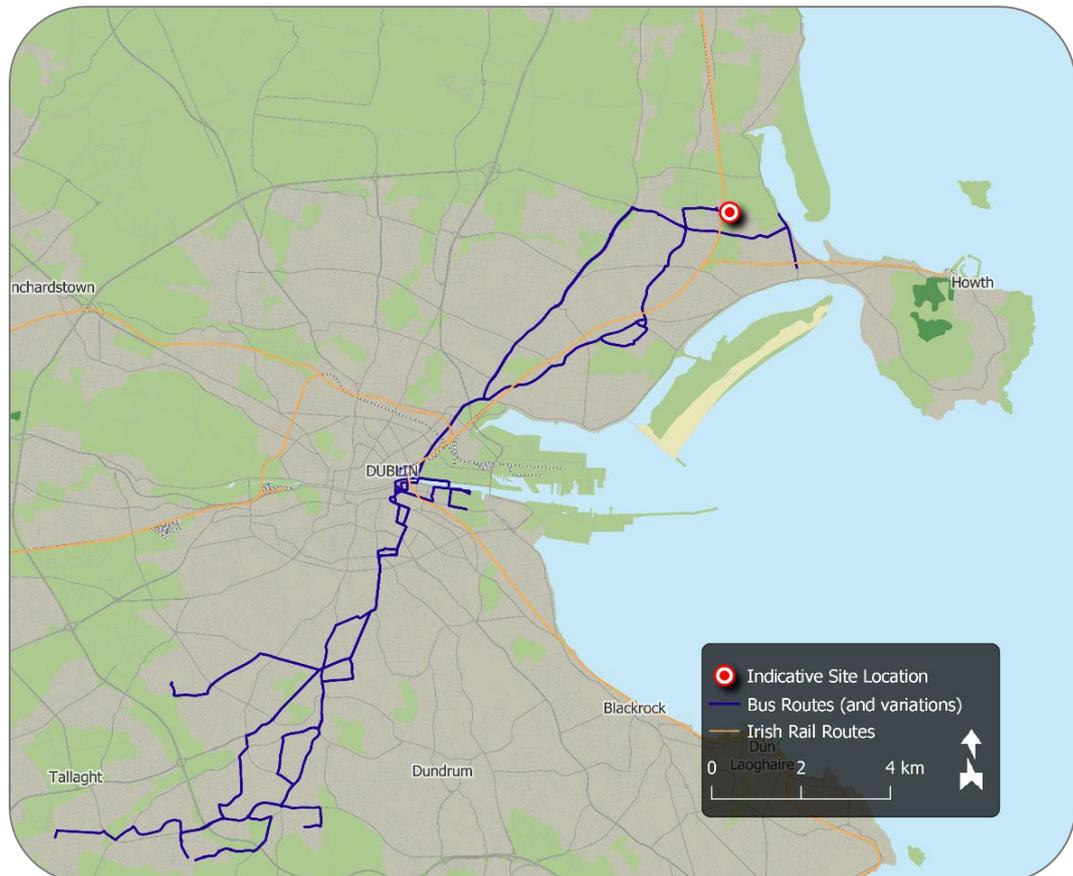


Figure 4 – Direct public transport routes within 5-minute walk of site
(map data sources: NTA, EPA, OSM Contributors)

Figure 4 shows the extents of the direct bus and rail routes within a 5-minute walk of the development site. Figure 5 shows the reach of public transport journeys from the development site by total travel time (including service interchanges, and walking to and between stops), based upon a departure time of 09:00 on a typical weekday; Figure 6 shows the reach of public transport journeys to the development site, based upon an arrival time of 17:00 on a typical weekday.

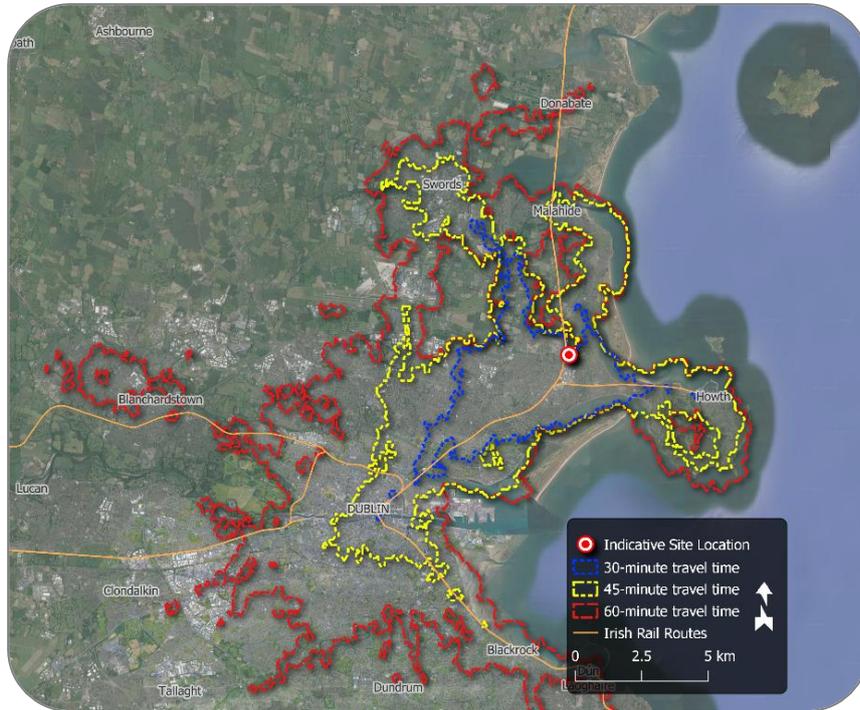


Figure 5 – Public transport travel times FROM development site
(map data sources: EPA, OSM Contributors, TravellTime platform)

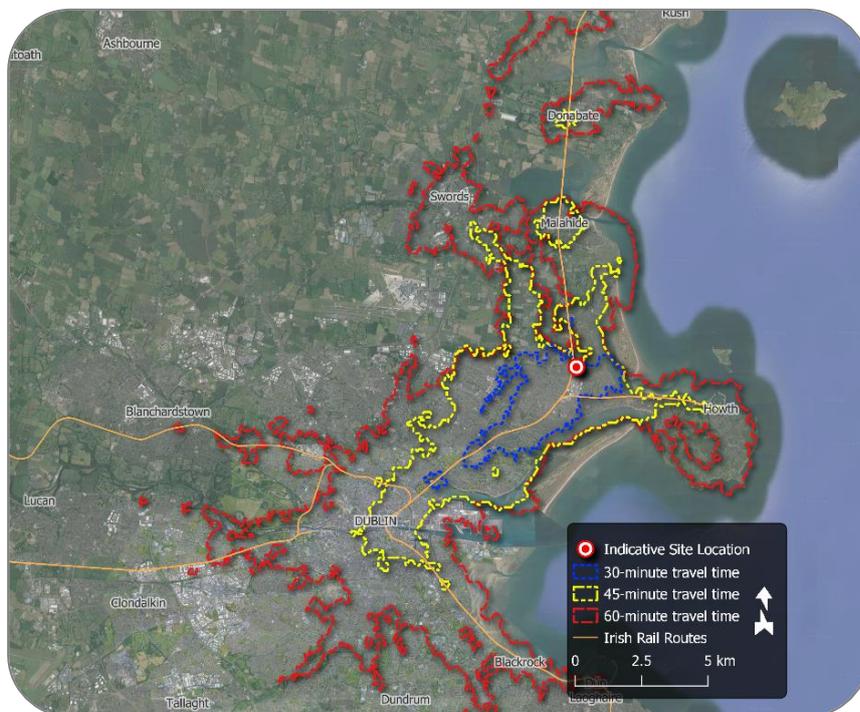


Figure 6 – Public transport travel times TO development site
(map data sources: EPA, OSM Contributors, TravellTime platform)

3.3 Bicycle Infrastructure

There is no cycle infrastructure present on Longfield Road adjacent to the subject development site. Advisory cycle lanes are present on Grange Road in the vicinity of the subject site in the eastbound and westbound directions. There is no other existing cycle infrastructure in the immediate vicinity of the subject development site.

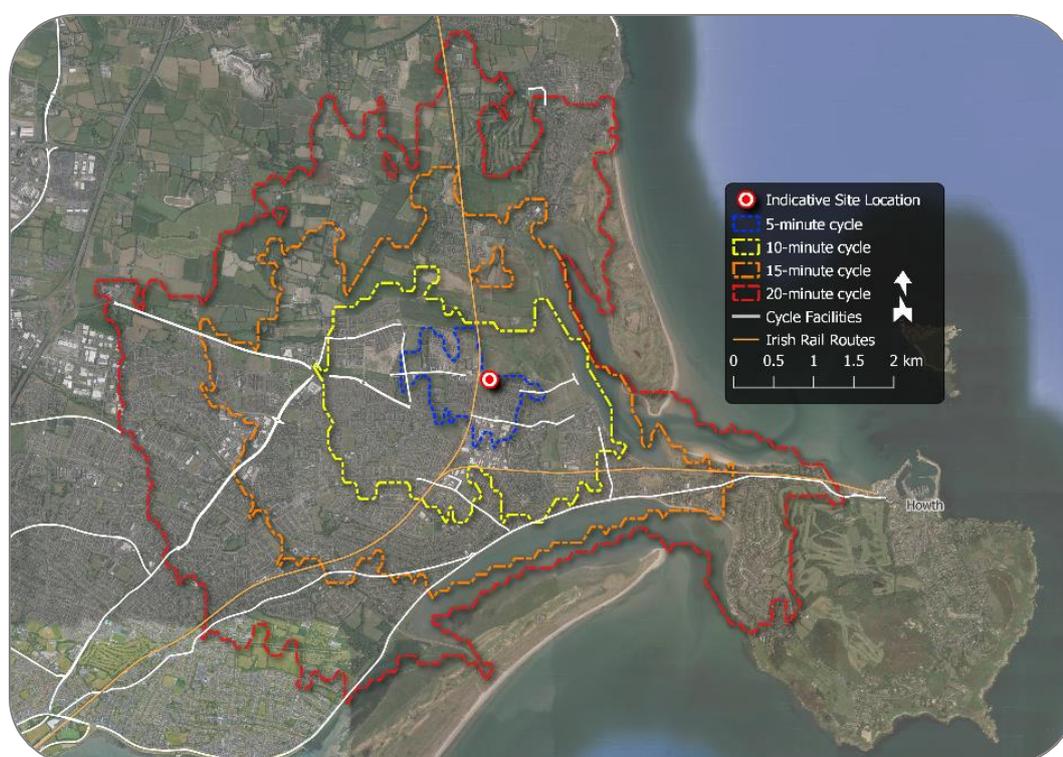
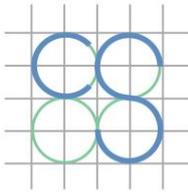


Figure 7 – Cycling times to/from development location
(map data sources: EPA, NTA, OSi, OSM Contributors, Travelltime Platform)

Within the development, secure indoor bicycle parking for residents has been provided in accordance with the *Fingal County Development Plan 2017-2023* to promote cycling as a mode of transport for residents.

3.4 Proposed Road Network Improvements

As part of the *Cycle Network Plan for the Greater Dublin Area*, administered by the National Transport Authority, it is proposed that secondary cycle



route 1A be implemented along Grange Road in the vicinity of the subject development site. Additionally, it is proposed to implement feeder routes linking the subject development site to the aforementioned route. No information is yet publicly available on the proposed design or delivery timeframe of the aforementioned objectives.

It is proposed under the BusConnects Dublin Area Revised Bus Network to implement Spine routes D1, D3 and H1 along Red Arches Road, Grange Road and Clongriffin Main Street in the vicinity of the subject development site. These routes will operate at a midday frequency of 10-15 mins between Dublin's southwestern suburbs and Clongriffin via Dublin city centre. The *Fingal County Development Plan 2017-2023* proposes a road objective through the subject development site, this road proposal has been accommodated by the subject development site layout.

3.5 Proposed Rail Network Improvements

As part of the DART expansion project, it is proposed to increase the capacity of the northern line from circa 10,500 in the morning peak hour to approx. 15,000 by 2035. Train capacity shall be increased from 10-minute to 5-minute frequency and all trains shall be lengthened to 8 carriages. At present detailed design is being undertaken to inform the full delivery programme for DART expansion.

4.0 CONTENT OF THE RESIDENTIAL TRAVEL PLAN

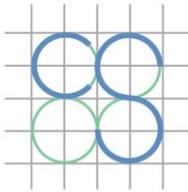
The Residential Travel Plan is a management tool that brings together transport, development staff and residents and site management issues in a coordinated manner. This report sets out the objectives and specific measures required to establish an effective Residential Travel Plan.

This Plan's aim is to provide more sustainable transport choices that will allow the lowest possible proportion of journeys to/from the site to be made by single-occupant private cars.

The Plan sets out specific targets and objectives, including measures to be implemented to establish an effective modal shift in transport to and from the development. The Plan will require regular monitoring to develop an effective implementation of mobility management measures.

Within Ireland, travel demand management is becoming well established through the initiatives and strategies identified in the document *A Platform for Change*, which was published by the Dublin Transportation Office (DTO) in 2001. Within this document, the first steps for travel demand management in Ireland are described as seeking "*to reduce the growth in the demand for travel while maintaining economic progress, [through measures] designed to encourage a transfer of trips to sustainable modes*".

Building on the policies set forth in *A Platform for Change*, further progress in the Irish context was made with the publication of the document *Smarter Travel: A Sustainable Future – A New Transport Policy for Ireland 2009-2020* and, more recently, the publication of the *Transport Strategy for the Greater Dublin Area 2016-2035*. Within these documents, numerous actions have been proposed which aim to foster improved sustainable travel habits for Ireland.



5.0 OBJECTIVES OF THE RESIDENTIAL TRAVEL PLAN

An effective Residential Travel Plan should be informed by and founded upon the following:

- A travel survey of development users, to establish the origins and destinations of trips to and from the development;
- An outline of specific schemes/measures implemented to discourage car-dependent transport to and from the site;
- Any comments/suggestions on travel that have been offered by development users;
- A set of targets, to be set out in accordance with approved guideline documents;
- An outline of the specific schemes that the development plans to make available to its users, in order to encourage the desired travel patterns to and from the site. These might include, for example: cycle facilities, public transport subsidies, walking groups, cycle groups, communication and consultation, etc.

The Residential Travel Plan for the subject development follows the above guidelines. The success of the Plan depends on the co-operation of all parties; the appointment of a co-ordinator and a steering group is vital for the success of the Plan. This Residential Travel Plan will need to be reviewed on a regular basis by the steering group, with updates implemented as improvements to the transport network in the vicinity of the development site are carried out.

The objectives of the Residential Travel Plan for the proposed development are as follows:

- To encourage/increase the use of public transport, walking and cycling for residents, workers and visitors and to facilitate travel by bicycle, bus and train.

- To reduce the overall number of single occupant vehicles trips for journeys to work and work-related travel.
- To integrate mobility management into the development decisions, policies and practices to work closely with governing bodies on means and use of transport services around the vicinity of the development site.
- To provide information and have resources readily available to increase awareness and continue education on sustainable modes of travel for both residents and visitors to the development.

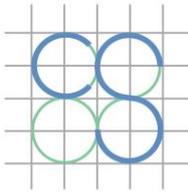
5.1 Objective 1

To encourage/increase the use of public transport, walking and cycling for residents, workers and visitors and to facilitate travel by bicycle, bus and train.

The encouragement and increased use of other modes of transport which are less damaging to the environment in terms of congestion and emissions is directly linked to the reduction in car use. Through the encouragement of these alternatives to the car it is hoped that their mode share will increase. Public transport, pedestrian and cycling facilities are present in the area of the site such as the DART, frequent Dublin Bus Route services and the GoCar car sharing scheme offer an alternative to the private car in many cases. Facilities are constantly improving with the ongoing implementation of different strategies and projects such as the LUAS Cross-city service connection (completed in 2017), the Metrolink, and the DART Underground.

Apart from the environmental benefits, the use of more sustainable modes of transport reports the following benefits to the individual:

- Savings in personal costs. Walking is free, cycling does not incur any fuel costs and buying a bicycle or using public transport is cheaper and can benefit from Government's tax incentives.



- Health benefits. Levels of fitness and wellbeing increase with the practice of exercise, which is directly related to walking and cycling. The use of public transport avoids the stress of driving, traffic congestion, seeking parking spaces, etc.

5.2 Objective 2

To reduce the overall number of single occupant vehicles trips.

The reduction in vehicle use is a key objective of the RTP. Car use reduces air quality and local amenity while impacting on road safety, which in turn has social and economic disadvantages.

This objective is targeted specifically at the reduction of car use to and from the development. The objective is achievable through measures designed at reducing the need for travel and encouraging a modal shift away from the private car.

5.3 Objective 3

To integrate mobility management into the development decisions, policies and practices and to work closely with governing bodies on means and use of transport services around the vicinity of the development site.

Mobility management and sustainable transport cannot be addressed in isolation, but as part of a more general approach towards the development of a sustainable organisation whose functions deliver significant benefits to the community and the environment together with economic savings. Regular communication with the local authorities on further improving facilities in and around the vicinity of the development can establish good policies and practices when developing decisions within the RTP.

In addition, the Local Authorities require Residential Travel plans for developments which the planning authority may consider generate significant trip demand.

5.4 Objective 4

To provide information and have resources readily available to increase awareness and continue education on sustainable modes of travel for residents, workers and visitors to the development.

The RTP has a significant role to play in the provision of information and resources to people both within the development and the wider community. Information should be made readily available and the benefits of sustainable travel should be widely promoted throughout the development when completed. Information positioned correctly can influence attitude which in turn can influence behaviour.

6.0 INITIAL TARGETS OF THE RESIDENTIAL TRAVEL PLAN

6.1 Population Groups

Journeys to and from the development shall be made primarily by three distinct population groups: residents, workers and visitors. The targets set under the Residential Travel Plan shall be limited to residents, as this is the principal group that is expected to make both frequent and regular trips to and from the site. While the travel habits of visitors and workers are expected also to be influenced by measures adopted under the Plan, these are more difficult to monitor.

6.2 Census Data

Table 3 – CSO 2016 Census Data – Existing Modal Splits

Transport Mode	Small Areas (overnight residents)	
	SA 267004011 only	SA 267004011 + adjacent
Driving a Car or Van	32%	34%
Passenger in a Car	6%	13%
Bicycle	7%	5%
Motorcycle	2%	1%
Bus	4%	9%
Train or Tram	24%	23%
Walking	19%	11%
Other / Work from Home	2%	1%
Not Stated	4%	3%

As the development site is currently unoccupied, it is not possible to determine the existing modal splits of journeys made to and from the site. To establish indicative baseline modal splits for the development site,

reference has therefore been made to CSO data derived from the 2016 census. These data are in the form of Small Area Population Statistics (SAPS), which give modal splits for overnight residents' trips to places of work or study.

The development site is located in census Small Area no. 267004011. The census modal splits for this Small Area, as well as for the adjacent areas, are given in Table 3.

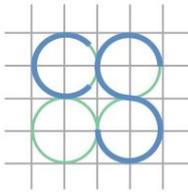
6.3 Development Modal Splits

Table 4 gives both the assumed starting modal splits and the suggested initial Residential Travel Plan targets to be set in pursuance of the objectives defined in Section 6. The assumed starting modal splits have been informed primarily by CSO census data from the year 2016, as previously described.

Table 4 – Initial Target Modal Splits for Development Occupants

Mode	Assumed Starting Proportion of Trips	Suggested Initial RTP Targets
Driving a Car	33%	28%
Passenger in a Car	8%	8%
Bicycle	7%	8%
Motorcycle	1%	1%
Bus	7%	8%
Train or Tram	24%	26%
Walking	20%	21%
TOTAL	100%	100%

Once the development is completed and occupied, the true initial modal splits should be established by means of a travel survey and the initial Residential Travel Plan targets should be amended by the Residential Travel



Plan Coordinator, if appropriate. These targets should be reappraised at regular intervals thereafter as part of the periodic Plan review process.

6.4 Implementation Timeframe

The duration of the first phase of the Residential Travel Plan, during which the initial target modal splits shall be pursued, will be decided by the Travel Plan Coordinator once the development is operational. A phase duration of 2 years is suggested, after which time the first Plan review may be conducted and the initial targets revised, if appropriate.

6.5 Plan Monitoring and Review

As part of on-going monitoring and review, the percentage shares of individual modes such as walking, cycling and public transport will be monitored to understand how successful implementation of targeted programs have been.

The targets set will require ongoing work and commitment from the development as a whole, without which they will not be achieved. It is recognised that some people will be easier to convert to alternative modes of transport than others, and that the more that is done to facilitate the use of those alternatives, the more they will be used. As it has already been noted, a Residential Travel Plan is an ongoing process and targets that are achieved should be replaced by further targets.

7.0 MOBILITY MANAGEMENT MEASURES

The measures identified are a mixture of policies and incentives designed to both encourage changes in travel behaviour and restrict the use of private cars. The measures are designed to be implemented over a period of time, allowing costs to be spread and ensuring policies and incentives are implemented together.

While little may be observed in terms of travel behaviour in the short term, as implementation gains momentum so will the impact in terms of travel behaviour.

The mobility management measures in the plan can be grouped under the following headings:

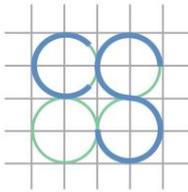
- Marketing and Communications
- Walking & Cycling
- Public and Shared Transport
- Implementation / Consultation / Monitoring

7.1 Marketing & Communications

The education of residents, workers and visitors on the travel plan initiatives and the importance of contribution is extremely important. The services available must be communicated in a consistent and continuous manner to sustain behaviour change.

Communications will include promotional initiatives and activities aimed at informing the residents, workers and visitors of the existing and proposed transport networks. Such initiatives and activities will include:

- Promoting the RTP through Internal Communication and external avenues.



- Developing an Access Map to show public transport facility locations and highlight safe walking and cycling routes. In addition to this the establishment of Travel Information Points at dedicated on-site locations to make residents and visitors aware of the mode choices available in and around the development site. The travel information points should be conspicuously located at the reception areas and provide travel and mobility information such as maps, public transport routes and timetables, leaflets, etc.
- Preparing a formalised Sustainable Travel Information Pack, which is to be provided to all new development residents. The Pack will contain all the information relating to the Residential Travel Plan, including the Mobility Access Map and the locations of cycle parking, etc.
- Developing a digital Travel Information Point for the development to provide details of travel choice to the site linking to appropriate external websites for visitors to the development.

7.2 Walking & Cycling

7.2.1 Safe Walking and Cycling Routes

All pertinent safe walking and cycling routes should be identified within a radius of at least 5km around the development site. These routes will be selected with regard to:

- Availability of footpaths and cycle paths
- Safety at crossings
- Signage
- Lighting

7.2.2 Bicycle Parking, Umbrellas, and Bicycle Repair Kit Facility

- It should be ensured that bicycle parking for development residents, workers and visitors is secure, easily accessible, and sufficiently sheltered.

- Loan umbrellas should be provided at apartment reception areas for visitors.
- A bicycle toolkit (containing puncture repair equipment, pump, etc. for use in emergencies) should be maintained at each apartment reception area and made available to all bicycle users.

7.3 Public and Shared Transport

The following measures intend to promote the use of public transport and shared transport services.

7.3.1 Service Information

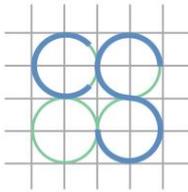
It must be ensured that the information supplied in the development Access Map, Sustainable Travel Pack and Travel Information Points includes the location of stops, routes, timetables, walking times to main public transport facilities, etc. Changes and improvements to public transport provision must be publicised as well.

7.3.2 Promotion of Tickets and Passes

Residents should be provided with information on advantageous public transport fare options, including the Taxsaver scheme and the TfL Leap Card.

7.3.3 Multi-Modal Trip Support

Development users should be offered specific advice on combining public transport with other modes of transport, for instance travelling by bicycle between a bus stop or railway station and their home or workplace. In particular, information should be provided on the conditions under which standard or folding bicycles may be carried on bus and train services.



7.3.4 Residential Car-Share Scheme

A residential car sharing scheme shall be established for residents of the development, allowing residents the common use of a small vehicle pool based permanently within the site. 6no. dedicated shared vehicles shall be provided and maintained by the management company (which may engage an external contractor for this purpose), and 6no. car parking spaces within the apartment buildings' car park shall be reserved for these vehicles. Refer to Appendix B for a letter of support supplied by GoCar.

Private cars are parked for the vast majority of the time, whereas shared cars are in use far more frequently and therefore make more efficient use of parking spaces: a single shared car may make as many trips in a day as 14no. private cars. Assuming one shared car to be equivalent to 10no. private cars, the 6no. shared car parking spaces may therefore be considered to reduce parking demand for the development's two apartment buildings by the equivalent of 54no. spaces.

To maintain an optimum level of service for residents, usage of the development's car-share scheme will be frequently monitored by the Travel Plan Coordinator and the provision of shared vehicles will be adjusted at regular intervals in response to observed demand.

7.3.5 External Shared Transport Services

In addition to the subject development's own residential car share scheme, 2no. GoCar bases are situated within a 10-minute walk of the development site. Another 4no. vehicles are available at the GoCar base on Station Square, adjacent to Clongriffin Rail Station.

The subject development site is within the operating zone of the Bleeperbikes shared bicycle fleet. BleeperBike offers residents easy access to a fleet of bicycles that can be used for short to middle

distance trips, which can significantly reduce their dependency on car ownership. Refer to Appendix C for Bleeperbike Letter of Support.

7.3.6 Multi-Modal Trip Support

Development occupants should be offered specific advice on combining public transport with other modes of transport, for instance travelling by bicycle between a bus stop or railway station and their home or workplace. In particular, information should be provided on the conditions under which standard or folding bicycles may be carried on bus and train services.

7.4 Implementation / Consultation / Monitoring

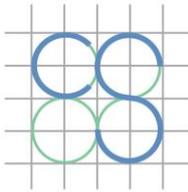
The Residential Travel Plan is a document that evolves over time and depends upon ongoing implementation, management and monitoring. Its successful implementation requires organisational support, an internal Residential Travel Plan Coordinator, and financial resourcing.

To implement the Residential Travel Plan, the following inputs are required:

- Management support and commitment;
- A Travel Plan Coordinator to oversee the Plan;
- A Steering Group to oversee the Plan;
- Working Groups on various related issues;
- Consultations with development users and external organisations.

To secure effective results from any initial sustainable travel investment, it is imperative to obtain the agreement of all the stakeholders and the support of external partners, such as the Local Authority, public transport operators, etc.

The Residential Travel Plan will be managed by a Travel Plan Coordinator with the clear mandate to implement and evolve the Plan. The Travel Plan



Coordinator will also be best suited to monitor the results of the Plan. This role may for example be performed by a member of the development owner's management team.

Travel surveys of development occupants (and of visitors, if practicable) should be repeated annually, to monitor the initial success of the Residential Travel Plan and to gain a better understanding of travel habits. These survey results can also serve as a sustainable travel performance benchmark to indicate how the Residential Travel Plan is performing in comparison to previous years and against the sustainable travel targets initially outlined in the plan.

8.0 SUMMARY

The proposed development site is located in Baldoyle, Dublin 13. The proposed development site is located in proximity to existing high-quality bus and rail services that connect it to Dublin city centre. It is therefore an objective under this Residential Travel Plan that a reduced proportion of the trips generated by this development be made by private car.

8.1 Mobility Management Measures

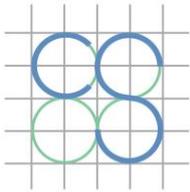
The following Mobility Management measures are suggested for implementation under the Residential Travel Plan:

8.1.1 General

- Put in place a formal Residential Travel Plan.
- Appoint a Residential Travel Plan Coordinator.
- Create an Access Map.
- Provide travel information to development occupants, in the form of Sustainable Travel Welcome Packs and a travel hub website.
- Monitor the operation of the plan by development occupants, by carrying out travel surveys.
- Revise and update the plan as required.

8.1.2 Walking and Cycling

- Identify safe walking and cycling routes.
- Provide secure and attractive cycle parking and ancillary facilities for cyclists and pedestrians.



8.1.3 Public and Shared Transport

- Implement a residential car share scheme for development residents.
- Provide information on locations of stops, routes, timetables, walking times to main public transport facilities, etc.
- Provide specific advice on multi-modal trip planning.

Appendix A

Links to relevant guidance documents concerning mobility management

Appendix 15 – Useful Links and Resources

Please note that the National Transport is not making recommendations for any of the suppliers listed below, and your organisation will find other suppliers beyond the list given below. The links listed are just to give a flavour of the type of products/ services that are available.

Workplace Travel Plans

www.smartertravelworkplaces.ie
www.ways2work.bitc.org.uk

Sustainable Travel

www.smartertravel.ie
www.sustrans.org.uk
www.nationaltransport.ie
www.dttas.ie
www.eltis.org
www.mobilityweek.eu

Getting Active

www.getirelandactive.ie

Public Transport Information

www.transportforireland.ie
www.taxesaver.ie

Cycle to Work Scheme

www.revenue.ie

Walking challenges

www.pedometerchallenge.ie
www.irishheart.ie

Cycling

www.cyclechallenge.ie
www.dublinbikes.ie
www.irishcycling.com

Cycle to Work scheme

www.revenue.ie
www.bikescheme.ie

Designing and Planning for Cycling

www.cyclemanual.ie
 Transport for London Workplace Cycle Parking Guide
 See p16 for technical guidance on space allocations for cycle parking
<http://www.tfl.gov.uk/assets/downloads/businessandpartners/Workplace-Cycle-Parking-Guide.pdf>

Walking/ Cycling Routes

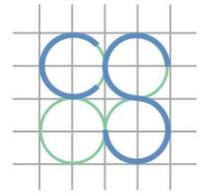
www.mapmyride.com
www.mapmyrun.com

Car Sharing

www.carsharing.ie

Misc.

Copenhagen Cycle Chic - Bikes, style and Copenhagen



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Appendix B

GoCar Letter of Support



Richmond Homes,
Castle Vernon,
Clontarf,
Dublin 3

Dublin, 23rd November 2020

To Whom It May Concern,

This is a letter to confirm that GoCar intends to provide six (6) shared car club vehicles in the proposed mixed commercial and residential development at Baldoyle Growth Area 1. GoCar representatives have discussed the project with representatives of CS Consulting, who are the Engineers for the Project, and are excited to provide a car sharing service at this location.

It is understood that these vehicles will be provided exclusively for use by residents of the new development. GoCar will work with the eventual managers of the property to promote use of the service within the development.

GoCar is Ireland's leading car sharing service with over 60,000 members and over 800 cars and vans on fleet. Each GoCar which is placed in a community has the potential to replace the journeys of up to 15 private cars. The Department of Housing's Design Standards for New Apartments - Guidelines for Planning Authorities 2018 outline: "For all types of location, where it is sought to eliminate or reduce car parking provision, it is necessary to ensure... provision is also to be made for alternative mobility solutions including facilities for car sharing club vehicles."

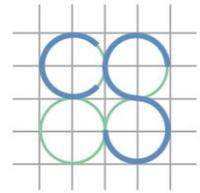
Carsharing is a sustainable service. By allowing multiple people to use the same vehicle at different times, car sharing reduces car ownership, car dependency, congestion, noise and air pollution. It frees up land which would otherwise be used for additional parking spaces. Most GoCar users only use a car when necessary, and walk and use public transport more often than car owners.

By having GoCar car sharing vehicles in and near a development such as this, residents will have access to pay-as-you-go driving, in close proximity to their homes, which will increase usership of the service.

I trust that this information is satisfactory. For any queries, please do not hesitate to contact me.

A handwritten signature in blue ink, appearing to read 'Rob Kearns'.

Rob Kearns
Head of Growth
GoCar Carsharing Ltd
M: 083 822 3924
E: rob.kearns@gocar.ie



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Appendix C

Beeperbike Letter of Support

BleeperBike
Rear of 24
South Richmond Street
Portobello
Dublin 2
D02 HF29

27th May 2020

**Re: Proposed Mixed Residential Development, Stapolin Growth Area 1,
Baldoye, Co. Dublin
GPS coordinates: 53.402247, -6.146934**

To Whom It May Concern,

Thank you for registering an interest in integrating BleeperBike into the Mobility Plan for the proposed development at Stapolin Growth Area 1, Baldoye, Co. Dublin. This location is scheduled to be within our operating zone in Q3 of 2020 and we currently operate in the surrounding area, therefore we would be delighted to work with Richmond Homes to ensure the sustainable cycle needs of the residents and others living nearby are met, with the provision of BleeperBike parking on site for our current pedal bikes and for electric bikes when they become available.

BleeperBike currently operates a fleet of 750 shared bicycles throughout the administrative areas of Dublin City and Fingal. The bicycles are available to use 19hrs per day (5am-12am) and are used primarily for short journeys (1-5km distances), with a typical journey time averaging 10-15 minutes. The bicycles are equipped with a 'smart lock' system utilising GPS and 3/4G technology, which works in tandem with our bespoke App. To unlock a bike, a user simply downloads the app, selects a payment plan and provides basic personal information. Once this is complete they open the App and scan the unique QR code on the bicycle lock to unlock the bike.

BleeperBike offers residents easy access to a fleet of bicycles that can be used for short to middle distance trips, which can **significantly reduce their dependency on car ownership.**

Regards,

John Buckley

John Buckley
Business Development Manager
BleeperBike Ireland Opco Limited

