The background is a vibrant red color. It features several abstract geometric shapes: a large teal semi-circle in the top-left corner, a blue semi-circle in the top-right corner containing a white circle, a dark blue horizontal bar in the top-right, a teal semi-circle in the bottom-right, and a blue vertical shape in the bottom-left containing a white circle. There are also smaller white circles and curved lines scattered throughout the design.

Appendix I1

Accessibility Audit Report

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Contents

1.	Introduction.....	1
1.1	Disability Act 2005	1
1.2	Project Description	2
1.3	Report Structure	2
1.4	Methodology	4
2.	Zone 1 – Pinnockhill Junction to Boroimhe Willows.....	8
2.1	Description of Zone	8
2.2	Problem Identification	9
3.	Zone 2 – Boroimhe Willows to Kilronan Bridge	13
3.1	Description of Zone	13
3.2	Problem Identification	15
4.	Zone 3 – Kilronan Bridge to Airport Roundabout	18
4.1	Description of Zone	18
4.2	Problem Identification	19
5.	Zone 4 – Airport Roundabout to ALSAA.....	25
5.1	Description of Zone	25
5.2	Problem Identification	27
6.	Zone 5 – ALSAA to Collinstown Cross Industrial Estate	30
6.1	Description of Zone	30
6.2	Problem Identification	31
7.	Zone 6 – Collinstown Cross Industrial Estate to Santry Business Park	34
7.1	Description of Zone	34
7.2	Problem Identification	35
8.	Zone 7 – Santry Business Park to Morton Stadium.....	39
8.1	Description of Zone	39
8.2	Problem Identification	40
9.	Zone 8 – Morton Stadium to Omni Park Service Entrance.....	43
9.1	Description of Zone	43
9.2	Problem Identification	45
10.	Zone 9 – Omni Park Service Entrance to Whitehall Holychild Church	48
10.1	Description of Zone	48
10.2	Problem Identification	50
11.	Zone 10 – Whitehall Holychild Church to Bonnington Hotel	54
11.1	Description of Zone	54
11.2	Problem Identification	56
12.	Zone 11 – Bonnington Hotel to Clonturk Park	60
12.1	Description of Zone	60
12.2	Problem Identification	62
13.	Zone 12 – Clonturk Park to North Circular Road	67

13.1	Description of Zone	67
13.2	Problem Identification	69
14.	Zone 13 – North Circular Road to Granby Row	74
14.1	Description of Zone	74
14.2	Problem Identification	76
15.	SR 1 – Dorset Street Upper to Parnell Street.....	80
15.1	Description of Zone	80
15.2	Problem Identification	82
16.	Scheme Wide Accessibility Design Considerations and Recommendations.....	86
16.1	Footpaths.....	86
16.2	Crossings / Junctions	87
16.3	Bus Stops	88
16.4	Parking	88
Appendix A. Other Issues		90
Appendix B. Key Facilities and Services Along the Swords Scheme		107

1. Introduction

As a part of the Engineering Design Services for the Preliminary Design and Planning Stage, through to the end of the Statutory Process of the BusConnects Radial Core Bus Corridors Infrastructure Programme, an audit of the existing infrastructure provided for people with disabilities along the proposed Swords to City Centre Core Bus Corridor (CBC) has been carried out. This report outlines the standards and guidelines that should be used to provide suitable infrastructure for people with disabilities, the process and outcomes of the audit and recommended improvements that will bring the existing infrastructure up to standard.

This audit should be read in conjunction with the *Preliminary Design Guidance Booklet for BusConnects Core Bus Corridors* as it will feed into the next stages of design.

1.1 Disability Act 2005

The following is an excerpt from the Disability Act 2005:

26. —

(1) Where a service is provided by a public body, the head of the body shall

- (a) where practicable and appropriate, ensure that the provision of access to the service by persons with and persons without disabilities is integrated,*
- (b) where practicable and appropriate, provide for assistance, if requested, to persons with disabilities in accessing the service if the head is satisfied that such provision is necessary in order to ensure compliance with paragraph (a), and*
- (c) where appropriate, ensure the availability of persons with appropriate expertise and skills to give advice to the body about the means of ensuring that the service provided by the body is accessible to persons with disabilities.*

(2) Each head of a public body referred to in subsection (1) shall authorise at least one of his or her officers (referred to in this Act as “access officers”) to provide or arrange for and co-ordinate the provision of assistance and guidance to persons with disabilities in accessing its services.

(3) This section shall come into operation on 31 December 2005.

34.—*A sectoral plan of the Minister for Transport (“the Minister”) shall contain information concerning—*

- (a) a programme of projected measures for the provision of access to persons with disabilities to passenger transport services for the general public provided by the Minister or by a public body in relation to which he or she performs functions or by a person or body licensed or regulated by the Minister,*
- (b) measures to be taken for the purpose of facilitating access by persons with disabilities to such services and the time within which such measures are to be taken,*
- (c) arrangements proposed to be put in place by the Minister and the Minister for the Environment, Heritage and Local Government to facilitate access to the vehicles providing the passenger transport services by such persons from a public road, and*
- (d) any other matter which the Minister considers appropriate.*

The Department of Transport, Tourism & Sport's (DTTAS) Sectoral Plan, under the Disability Act 2005, is called **Transport Access for All (2012)**. This concept is based on the principle of Accessible Public Transport which does not distinguish between people with disabilities and other passengers.

The provision of accessible, affordable and acceptable transport can make a very big difference to the quality of life for people. People can feel cut off from wider community life, and can have serious difficulty accessing basic services, due to a lack of access to transport. This is particularly true for older people and for people with disabilities, although of course it applies to many others as well. One of the core principles of Transport Access for All is that through accessibility improvements to the public transport system for people with disabilities, access for all people will be improved.

Transport Access for All has the stated aim of "continuing to promote the development and introduction of accessible public transport services for the greatest number of people with mobility, sensory and cognitive impairments in the shortest possible time."

Bus stations and bus stop design are included among the areas listed for action in the Sectoral Plan. The plan requires that the needs of mobility-impaired persons must be taken into account when designing bus stops.

For the purposes of the plan, mobility-impaired persons include:

- Persons who are visually impaired, or blind;
- Persons who are hard of hearing, or deaf;
- Persons with children in buggies;
- Wheelchair users and people with crutches.

While it is recognised that it will not always be possible to provide conflict-free access for all users to and from buses and/or bus stops, there is an onus on the designer, nevertheless, to ensure in respect of mobility-impaired persons that access is facilitated, and that the highest degree of convenience is afforded them, insofar as is reasonably practicable.

1.2 Project Description

The BusConnects Dublin Radial Core Bus Corridors Infrastructure Works involves implementing dedicated bus lanes and cycle lanes on 12 key bus corridors. The main purposes of this project are to improve journey times, improve accessibility across the city, enhance public transport provision and create a safer environment for cyclists and pedestrians.

The Swords to City Centre CBC scheme (the scheme) connects Dublin City Centre to the Swords area, via the R132. Key facilities and services that need to provide access to all along this route are shown in Appendix B. The key facilities and services were identified using the Prime2 data base, developed by Ordnance Survey Ireland to integrate national data in relation to location, and filtering for public areas likely to be sensitive to accessible design requirements. Accessible parking spaces along the Swords scheme are included in the infrastructure audit.

1.3 Report Structure

There are 13 zones along the Swords to City Centre CBC Scheme, and one sub route. The table below outlines these zones and the roads along the scheme they include.

Table 1.1: Swords Scheme Zones

Zones	Start of Zone	End of Zone	Roads Included
1	Pinnockhill Junction	Boroimhe Willows	Swords Road, Dublin Road, R132

2	Boroimhe Willows	Kilronan Bridge	R132, Boroimhe Road, Nevinstown Lane
3	Kilronan Bridge	Airport Roundabout	R132, Kettles Lane, Naul Road, Stockhole Lane, Old Stockhole Lane
4	Airport Roundabout	ALSAA	R132, M1, Corballis Road South
5	ALSAA	Collinstown Cross Industrial Estate	R132, Corballis Road South, Old Airport Road
6	Collinstown Cross Industrial Estate	Santry Business Park	R132, Quick Park, North Ring Business Park
7	Santry Business Park	Morton Stadium	R132, Dublin Road Business Park, Turnapin Lane, Furry Park Industrial Estate, Northwood Avenue, Santry Close
8	Morton Stadium	Omni Park Service Entrance	R132, Coolock Lane, Santry Villas, Church Lane, Santry Ave., Schoolhouse Lane, Magenta Crescent, Lorcan Road, Omni Park Service Entrance
9	Omni Park Service Entrance	Whitehall Holychild Church	Shanowen Road, Larkhill Road, Shanrath Road, R132, Shantalla Road
10	Whitehall Holychild Church	Bonnington Hotel	R132, Collins Avenue, Iveragh Road
11	Bonnington Hotel	Clonturk Park	Seven Oaks, R132, Griffith Downs, Griffith Avenue, Wellpark Avenue, Home Farm Road, Church Avenue, Ormond Road, Upper Drumcondra Road
12	Clonturk Park	North Circular Road	Upper Drumcondra Road, Clonturk Park, Millmount Avenue, Richmond Road, Cian Park, Botanic Avenue, Hollybank Road, Carlingford Road, Dargle Road, Drumcondra Road Lower, St. Alphonsus Ave, Clonliffe Road, St. Annes Road, Fitzroy Avenue, Grattan Parade, Whiteworth Place, Whiteworth Road, Portland Place, St. Ignatius Road, Belvidere Road, Dorset Street Lower
13	North Circular Road	Granby Row	Dorset Street Lower, Dorset Lane, North Circular Road, Gardiner Street Upper, Synott Place, Kelly's Row, Leo Street, Eccles Street, Hardwick Place, Dorset Street Upper, St. Josephs Parade, St. Josephs Place, Blesington Street, Hardwick Lane, Wellington Street Lower, Frederick Lane North, Bethesda Place, St. Marys Place North
SR1	Dorset Street Upper	Parnell Street	Hardwick Lane, North Frederick Street, Frederick Lane North, Gardiner Row, Parnell Sq. North, Rutland Place Granby Row, Granby Lane, Dominick Place

Each chapter of this report focuses on a section of the scheme and the specific issues identified in the site walkovers as being high risk. Other issues are summarised in each chapter, with a full list in Appendix A and full details provided in Project Mapper.

1.4 Methodology

Prior to the site walkovers occurring, a tablet was set up to streamline the collection of data. This involved creating drop down menus based on what was expected to be seen to meet the standards and guidelines.

The dropdown menus of the potential issues that were to be used during the site walkovers were developed based on the guidelines discussed in Section 16. These were split into five broad categories with multiple sub categories under each, as below:

Table 1.2: Disability Audit Categories

Footpaths	Crossings / Junctions	Bus Stops	Parking	Other
<ul style="list-style-type: none"> ▪ Insufficient footpath width ▪ Broken paving / footway ▪ Bollards in footway ▪ Lamp post in footway ▪ Signpost in footway ▪ Ponding ▪ Footpath not provided ▪ Inappropriately constructed vehicle crossover point ▪ Uneven paving / footway ▪ Broken kerbing ▪ No dropped kerb provided to access beginning of footpath network ▪ Inappropriate street furniture ▪ Incorrect tactile paving at cycle lane ▪ No level difference between footpath and cycle lane 	<ul style="list-style-type: none"> ▪ Incorrect tactile paving at crossing ▪ No crossing facilities provided ▪ No tactile paving at crossing ▪ No dropped kerbs at crossing ▪ Push button incorrectly positioned ▪ No tactile information at push button ▪ Dropped kerbs not flush with crossing ▪ Crossings not aligned ▪ Road Surfacing at Crossing Poor ▪ No pedestrian refuge for long crossing ▪ Green man time not sufficient ▪ Continuous cycle track indicated at signalised pedestrian crossing ▪ Incorrect raised table 	<ul style="list-style-type: none"> ▪ No raised kerb at bus stop ▪ No kassel kerbs ▪ Vehicles parked in bus stop ▪ Bus pole not identified in Braille 	<ul style="list-style-type: none"> ▪ Vehicles parked in footway ▪ No dropped kerbs provided at accessible parking bay 	<ul style="list-style-type: none"> ▪ Unsuitable access for users with disabilities

The issues identified during the site walkovers were also ranked based on their severity levels. Severity levels of high, medium and low were used. These were based on the descriptions in Table 1.3.

Table 1.3: Severity Descriptions

Severity Rating	Description	Example
Low	A severity level of low was considered to present minimal impact to safety or ability to access the service.	Insufficient footpath width where it does not meet the standard width, however it is still wide enough for a wheelchair to fit through would be considered low severity.
Medium	A severity level of medium may present an impact to safety or ability to access the service.	Bus pole not identified in Braille in a low foot traffic area where a blind person may not be able to find the bus stop and therefore use the service.
High	A severity level of high was considered to present an impact to safety or ability to access the service.	No crossing facilities provided for a disabled person to be able to cross the road, hindering ability to cross the road.

A site walkover was held over Tuesday 30 June 2020 and Wednesday 8 July 2020 to observe the current infrastructure provided for people with disabilities and identify current issues. On Tuesday 30 June 2020 the weather was sunny and dry and on Wednesday 8 July 2020 there were showers on and off all day, which highlight the impacts of ponding. The current conditions were then analysed to determine how they could be improved to be considered in the design process of the corridor.

Figure 1.1 shows all of the data collection points along the length of the route. These points can also be seen in an interactive format in ProjectMapper, available at: <https://geospatial.jacobs.com/portal/apps/webappviewer/index.html?appid=0d61e982ced04afb8a79f4cd300f2df9>

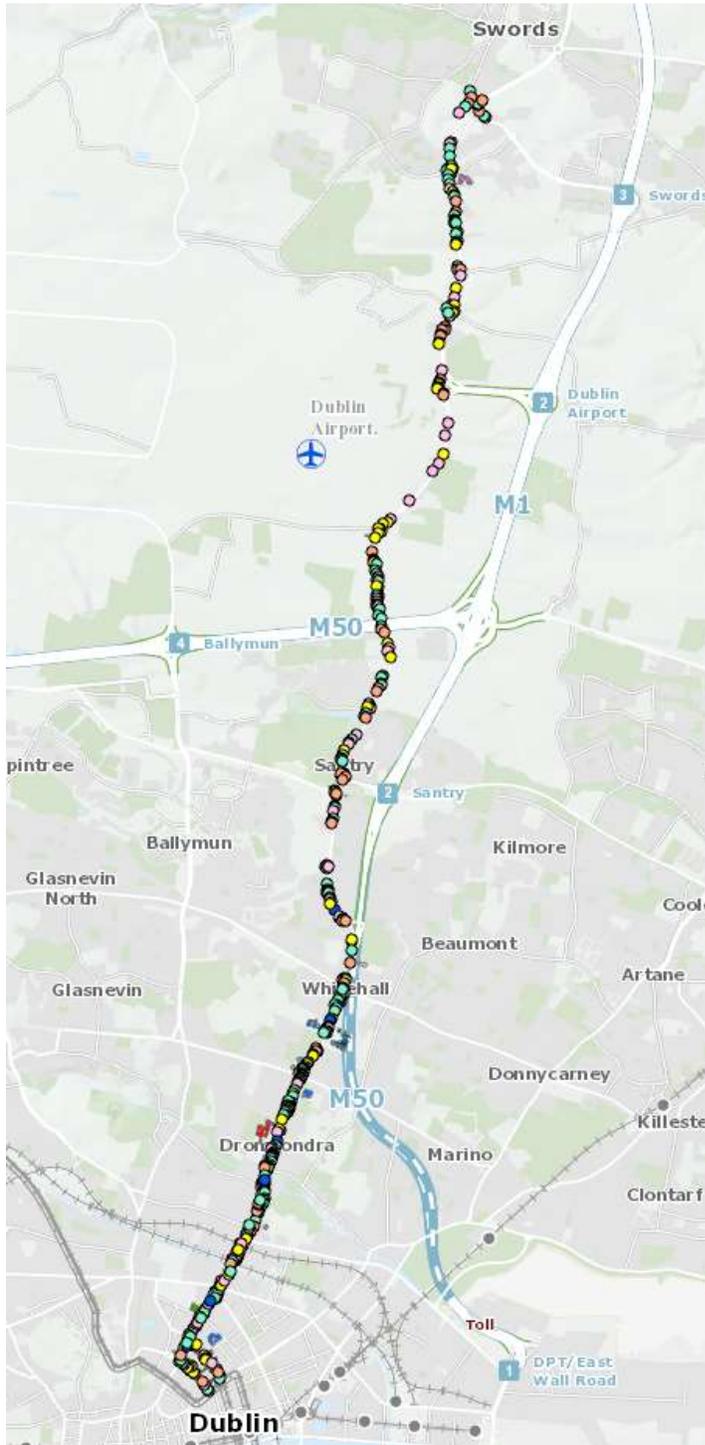


Figure 1.1: Data Collected along the Swords Scheme

In the Project Mapper App, points can be filtered by issue type, ID number or severity. Each point also has a link to the attached image showing the issue.

The issue types are colour coded for ease of recognition. Figure 1.2 shows the colours used for each issue type.

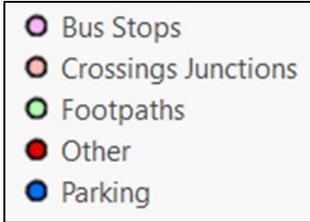


Figure 1.2: Colour coding of issue types

2. Zone 1 – Pinnockhill Junction to Boraimhe Willows

2.1 Description of Zone

This section of the route includes the road network along the R132 between Pinnockhill Junction and Boraimhe Willows. Figure 2.1 shows this section of the route.

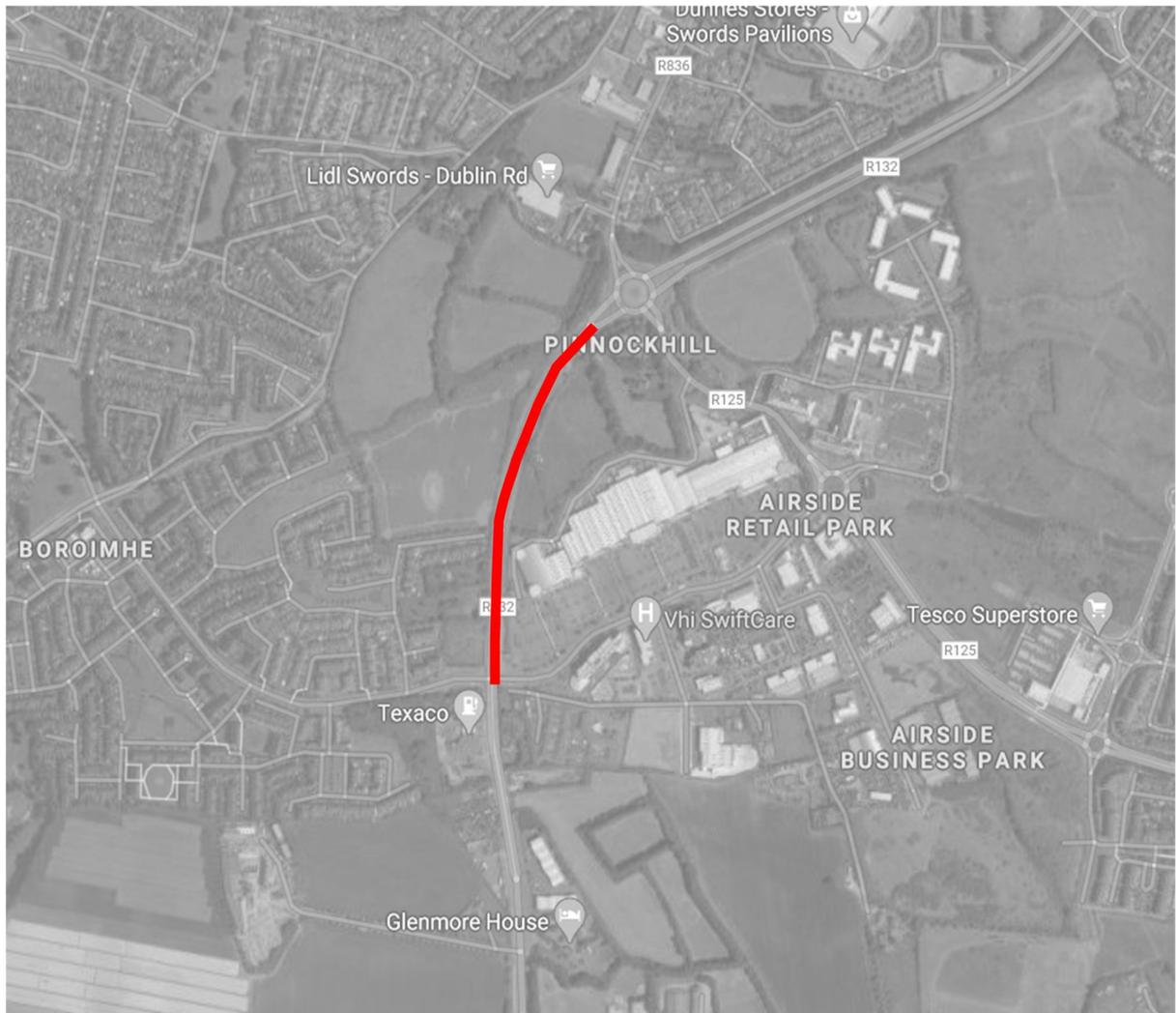


Figure 2.1: Map of Zone 1

To date, the community has been consulted on potential design layouts for the length of the route. Below is a list of the points and opinions raised by members of the public at the community consultation that relate to Zone 1 of the route:

- There are concerns about island bus stops. They are not pedestrian friendly, particularly for people with disabilities.

Appendix B shows the main attractors and generators of the entire route. Zone 1 of the Swords scheme is shown in map 1. There are no buildings of significance identified from the Prime 2 data within the vicinity of this section

of the route. There are likely to be buildings in the area that require access for users with disabilities that are not identified in the Prime 2 study, which only identified prioritised buildings within 100m of the corridor.

Figure 2.2 shows the current bus stops along Zone 1 of the Swords scheme compared to the Prime 2 data. As there are no significant buildings identified by the Prime 2 data, it is considered that these bus stops service the area well.

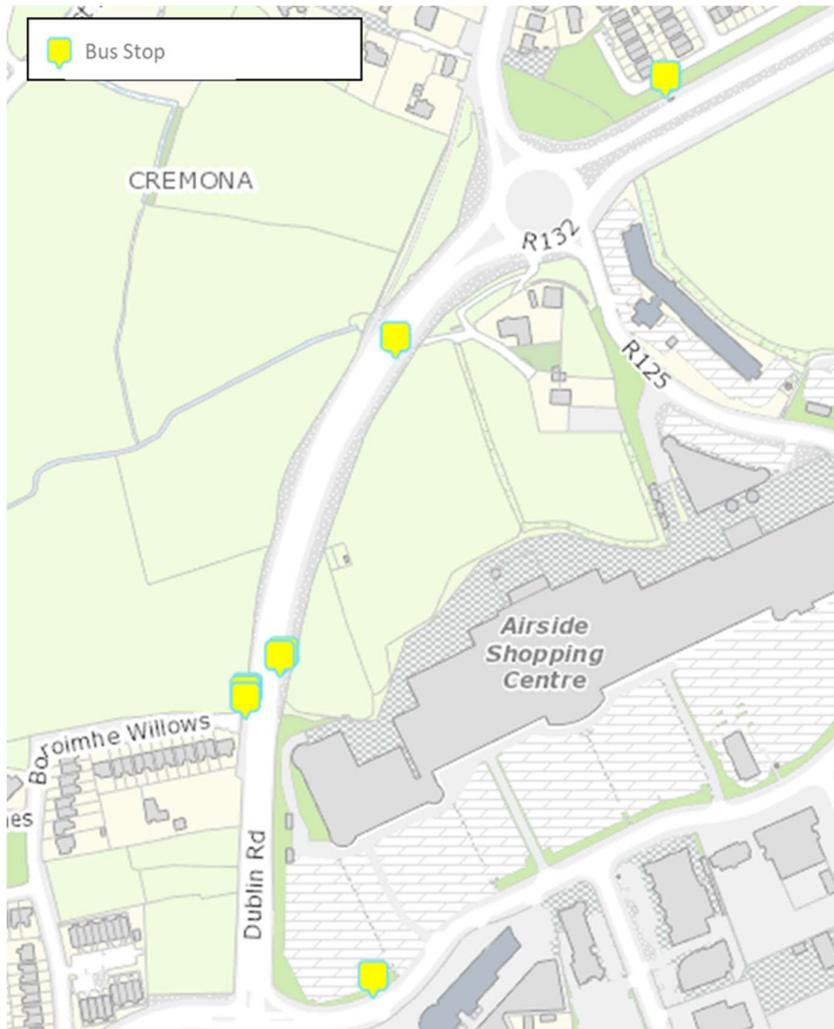


Figure 2.2: Prime2 Buildings and Nearby Bus Stops

2.2 Problem Identification

There were 21 issues identified in Zone 1 of the Swords scheme. Figure 2.3 shows the types of issues identified.

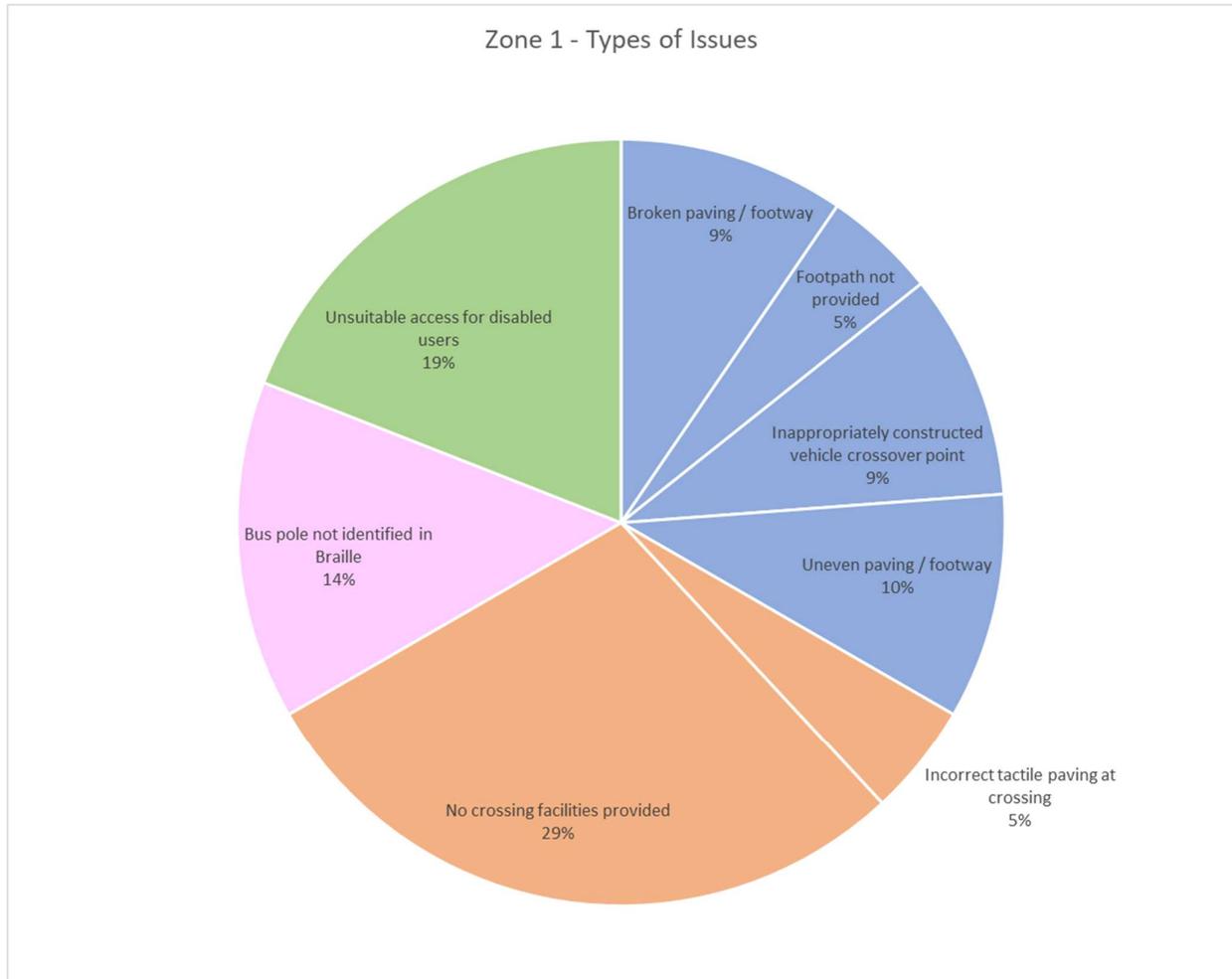


Figure 2.3: Zone 1 – breakdown of types of issues identified

2.2.1 Footpaths

Of the issues identified, one third were to do with the quality of the footpath. There were four instances of broken or uneven paving, two inappropriately constructed vehicle crossover points and one location where there was no footpath provided.

There is one footpath issue which is considered high severity - 983. This is discussed in Table 2.1.

For more detailed information of the footpath issues, see the green points in the Project Mapper App.

2.2.2 Crossings / Junctions

One third of the issues identified were to do with the quality of the crossings. There were 6 instances where no crossing facilities were provided and there was one junction which had the incorrect tactile paving.

There are six crossing or junction issues which are considered high severity – 979, 981, 982, 984, 986 and 987. These are discussed in Table 2.1.

For more detailed information of the crossings / junctions issues, see the orange points in the Project Mapper App.

2.2.3 Bus Stops

There were three bus stops in this zone which were not identifiable by Braille.

For more detailed information of the bus stop issues, see the pink points in the Project Mapper App.

2.2.4 Other

The other issues identified as unsuitable for users with disabilities include two instances of separated cycle paths becoming shared space with no tactile paving and two push buttons which did not have full functionality.

For more detailed information of the other issues, see the red points in the Project Mapper App.

Of the 21 issues identified in this zone of the route, seven were considered high severity, four were considered medium severity and ten were considered low severity, as shown in Figure 2.4. Table 2.1 details the issues identified as high severity by Object ID, along with the Irish Transverse Mercator co-ordinates and a proposed solution to the issues. The remaining issues are listed in Appendix A.

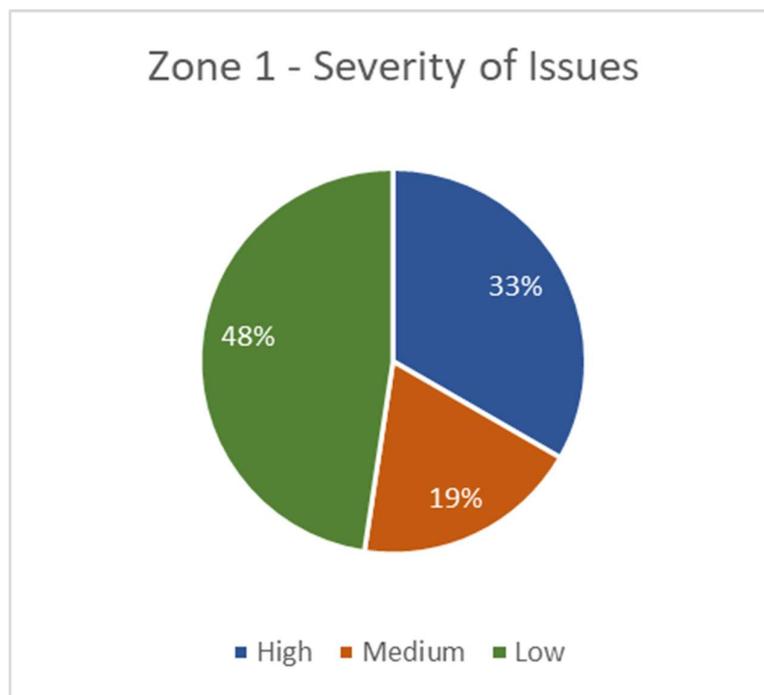
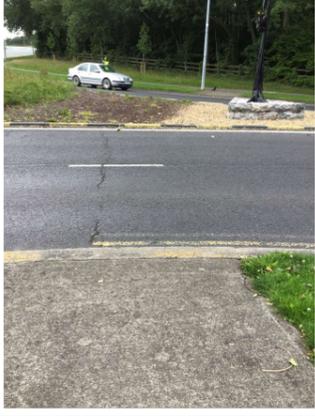


Figure 2.4: Severity of Issues Identified in Zone 1

Table 2.1: High Severity Issues in Zone 1

979 - No crossing facilities provided	981 - No crossing facilities provided	982 - No crossing facilities provided	983 - Footpath not provided
<p>This is located along the R125 at Airside Retail Park. It is considered high severity as a lack of a crossing at this point requires unreasonable diversion and makes crossing inaccessible.</p>	<p>This is located along the R125, at the Travelodge entrance. It is considered high severity as there are no alternatives to crossing at this point, making it inaccessible. Whilst the kerb is flush with the road, there is no tactile paving indicate the direction to cross.</p>	<p>This is located on the R125 at the Pinnockhill Roundabout. This is considered high severity as there is no alternative to crossing at this point, making it inaccessible. Whilst tactile paving is provided, there are no signals to indicate when it is safe to cross.</p>	<p>This is located along the R125 at Pinnockhill Roundabout. It is considered high severity as it makes the area inaccessible to those with visual impairments as there is no indication of direction to follow. It is also inaccessible for those in a wheelchair due to the surface.</p>
			
717989, 745775	717945, 745828	717931, 745883	717931, 745889
Solution: Provide crossing facilities.	Solution: Provide crossing facilities.	Solution: Provide crossing facilities.	Solution: Extend/ Provide footway.
984 - No crossing facilities provided	986 - No crossing facilities provided	987 - No crossing facilities provided	
<p>This is located along the R132 at the Pinnockhill Roundabout. It is high severity as there are no alternative crossings at this point, making it inaccessible.</p>	<p>This is located at the R836 at Pinnockhill Roundabout. It is high severity as there are no alternative crossings at this point, making it inaccessible.</p>	<p>This is located along the R132 at Pinnockhill Roundabout. It is high severity as there are no alternatives to crossing at this point, making it inaccessible.</p>	
		<p style="text-align: center;">No Photo</p>	
717961, 745927	717876, 745952	717847, 745897	
Solution: Provide crossing facilities.	Solution: Provide crossing facilities.	Solution: Provide crossing facilities.	

3. Zone 2 – Boroimhe Willows to Kilronan Bridge

3.1 Description of Zone

This section of the route includes the road network along the R132 and Dublin Road. It spans between the junction of the R132 and Boroimhe Willows and Kilronan Bridge on Dublin Road. Figure 3.1 shows this section of the route.



Figure 3.1: Map of Zone 2

To date, the community has been consulted on potential design layouts for the length of the route. Below is a list of the points and opinions raised by members of the public at the community consultation that relate to Zone 2 of the route:

- There are concerns about island bus stops not being pedestrian friendly, particularly for people with disabilities.

Appendix B shows the main attractors and generators of the entire route. Zone 2 of the Swords scheme is shown in map 1 and map 2. There is one building of significance identified from the Prime 2 data within the vicinity of this section of the route. This is:

- Tara Winthrop private clinic

This building is considered to be a place that is sensitive to disability design requirements and therefore access and facilities should be provided in the vicinity to make it easy to access for people with disabilities. There are likely to be other buildings in the area that require access for users with disabilities that are not identified in the Prime 2 study, which only identified prioritised buildings within 100m of the corridor.

Figure 3.2 shows the current bus stops along Zone 2 of the Swords scheme in the vicinity of the above listed building. It is considered that these bus stops currently service the Tara Winthrop private clinic well.



Figure 3.2: Prime2 Buildings and Nearby Bus Stops

3.2 Problem Identification

There were 26 issues identified in Zone 2 of the Swords scheme. Figure 3.3 shows the types of issues identified.

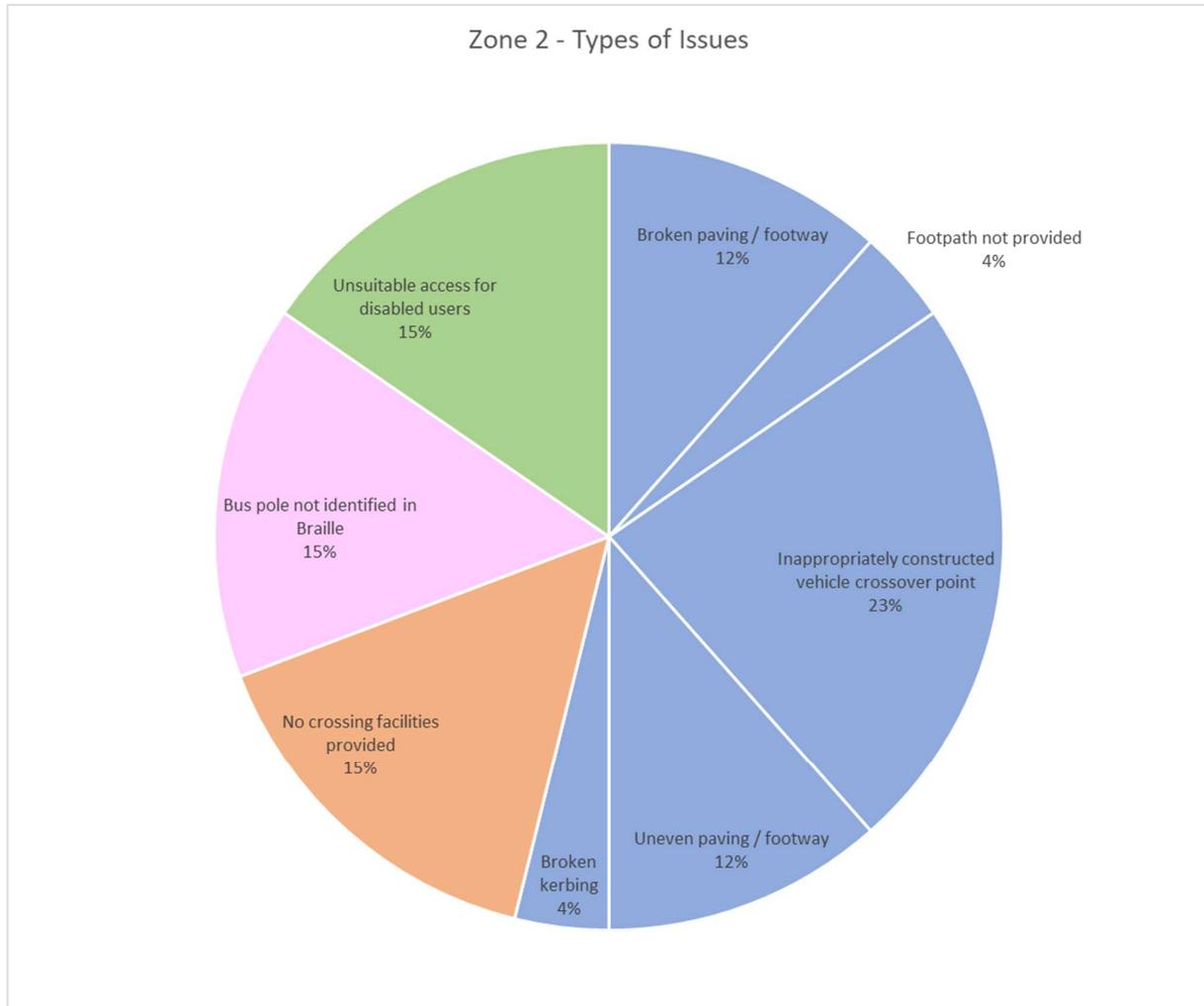


Figure 3.3: Zone 2 – breakdown of types of issues identified

3.2.1 Footpaths

Over half of the issues identified in zone 2 were due to problems relating to the footpaths. There were seven issues resulting from broken or uneven kerbing and paving, six inappropriately constructed vehicle crossover points and one section of the route where no footpath was provided.

There are four footpath issues which are considered high severity – 1003, 1004, 1005 and 1021. These are discussed in Table 3.1.

For more detailed information of the footpath issues, see the green points in the Project Mapper App.

3.2.2 Crossings / Junctions

Of the 26 identified issues, four were related to crossings or junctions. All of these were locations where no crossing facilities were provided.

All four crossing or junction issues are considered high severity – 997, 1012, 1013 and 1020. These are discussed in Table 3.1.

For more detailed information of the crossings / junctions issues, see the orange points in the Project Mapper App.

3.2.3 Bus Stops

There were four bus stops along this zone which are not identified in Braille.

For more detailed information of the bus stop issues, see the pink points in the Project Mapper App.

3.2.4 Other

Other issues identified unsuitable for users with disabilities include four instances of overgrown foliage on the path.

For more detailed information of the other issues, see the red points in the Project Mapper App.

Of the 26 issues identified in this zone of the route, eight were considered high severity, five were considered medium severity and 13 were considered low severity, as shown in Figure 3.4. Table 3.1 details the issues identified as high severity by Object ID, along with the Irish Transverse Mercator co-ordinates and a proposed solution to the issues. The remaining issues are listed in Appendix A.

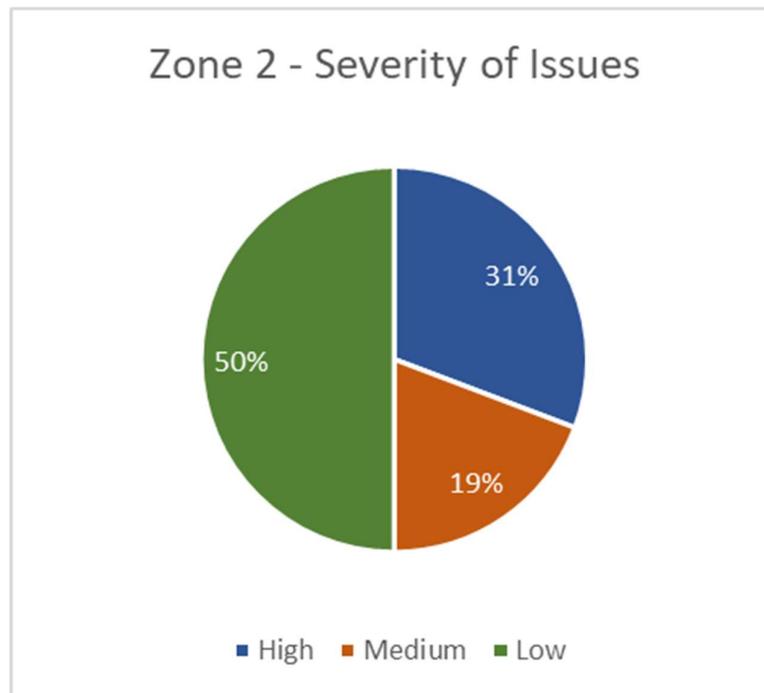


Figure 3.4: Severity of Issues Identified in Zone 2

Table 3.1: High Severity Issues in Zone 2

997 - No crossing facilities provided	1003 - Inappropriately constructed vehicle crossover point	1004 - Broken paving / footway	1005 - Inappropriately constructed vehicle crossover point
<p>This is located at the junction of the R132 and L2300. It is high severity as there are no alternative crossings at this point, making it inaccessible.</p>	<p>This is located along the R132, near the L2300 junction. This is high severity due to the risk of visually impaired pedestrians not being aware of the presence of a kerb and veering into the carriageway.</p>	<p>This is located along the R132 outside the Texaco garage shop. This is considered high severity due to the presence of a trip hazard which could result in a fall into traffic.</p>	<p>This is located along the R132 at the entrance to the Texaco garage shop. It is considered high severity due to the risk of visually impaired pedestrians not being aware of the presence of a kerb and veering into the carriageway.</p>
			
<p>717697, 745305</p>	<p>717677, 745280</p>	<p>717680, 745248</p>	<p>717686, 745204</p>
<p>Solution: Provide crossing facilities.</p>	<p>Solution: Raise the driveway to meet the required standard height.</p>	<p>Solution: Implement more suitable paving which is even.</p>	<p>Solution: Raise the entryway to meet the required standard height.</p>
1012 - No crossing facilities provided	1013 - No crossing facilities provided	1020 - No crossing facilities provided	1021 - Footpath not provided
<p>This is located along the R132 located at the entrance to a number of retail units. This is high severity as it is not clear where the end of the footpath is, which may cause visually impaired pedestrians to veer into the carriageway.</p>	<p>This is located along the R132, at the entrance to Glenmore House B&B. This is considered high severity as there is no distinction between the entrance and the carriageway, causing visually impaired pedestrians to veer into the carriageway.</p>	<p>This is located along the R132, at a private entrance. This is high severity as there is no distinctions between the entryway and the road, which could cause visually impaired pedestrians to veer into the carriageway. There is no alternative to crossing at this point, making it inaccessible.</p>	<p>This is located along the R132, at a private entrance, at the same crossing as 1020. This is high severity as there is no footpath provided on this side of the entryway, making it inaccessible for those with reduced mobility, or visually impaired pedestrians with no indication of direction.</p>
			
<p>717738, 745064</p>	<p>717748, 744974</p>	<p>717756, 744801</p>	<p>717755, 744801</p>
<p>Solution: Provide crossing facilities or continue footpath and provide a dropped kerb access to private development.</p>	<p>Solution: Provide crossing facilities or continue footpath and provide a dropped kerb access to private development.</p>	<p>Solution: Provide crossing facilities or continue footpath and provide a dropped kerb access to private development</p>	<p>Solution: Provide footpath.</p>

4. Zone 3 – Kilronan Bridge to Airport Roundabout

4.1 Description of Zone

This section of the route includes the road network along Dublin Road between Kilronan Bridge and Airport Roundabout. Figure 4.1 shows this section of the route.



Figure 4.1: Map of Zone 3

To date, the community has been consulted on potential design layouts for the length of the route. Below is a list of the points and opinions raised by members of the public at the community consultation that relate to Zone 3 of the route:

- There are concerns about island bus stops not being pedestrian friendly, particularly for people with disabilities.

Appendix B shows the main attractors and generators of the entire route. Zone 3 of the Swords scheme is shown in map 2. There is one building of significance identified from the Prime 2 data within the vicinity of this section of the route. This is:

- Dublin International Aviation Training Academy (further education)

This building is considered to be a place that is sensitive to disability design requirements and therefore access and facilities should be provided in the vicinity to make it easy to access for people with disabilities. There are likely to be other buildings in the area that require access for users with disabilities that are not identified in the Prime 2 study, which only identified prioritised buildings within 100m of the corridor.

Figure 4.2 shows the current bus stops along Zone 3 of the Swords scheme in the vicinity of the above listed building. It is considered that the northbound bus stop currently services the Dublin International Aviation Training Academy well. However, when the locations of bus stops are being investigated, the location of a southbound bus stop close to the training academy could be provided.

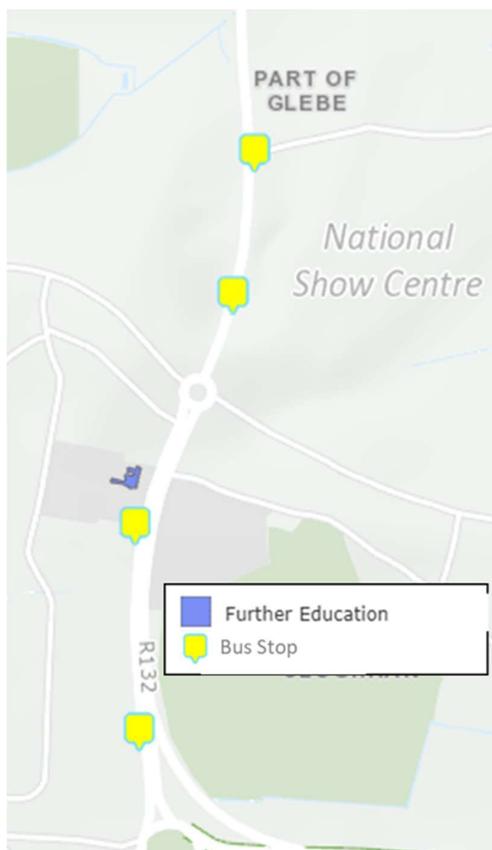


Figure 4.2: Prime2 Buildings and Nearby Bus Stops

4.2 Problem Identification

There were 34 issues identified in Zone 3 of the Swords scheme. Figure 4.3 shows the types of issues identified.

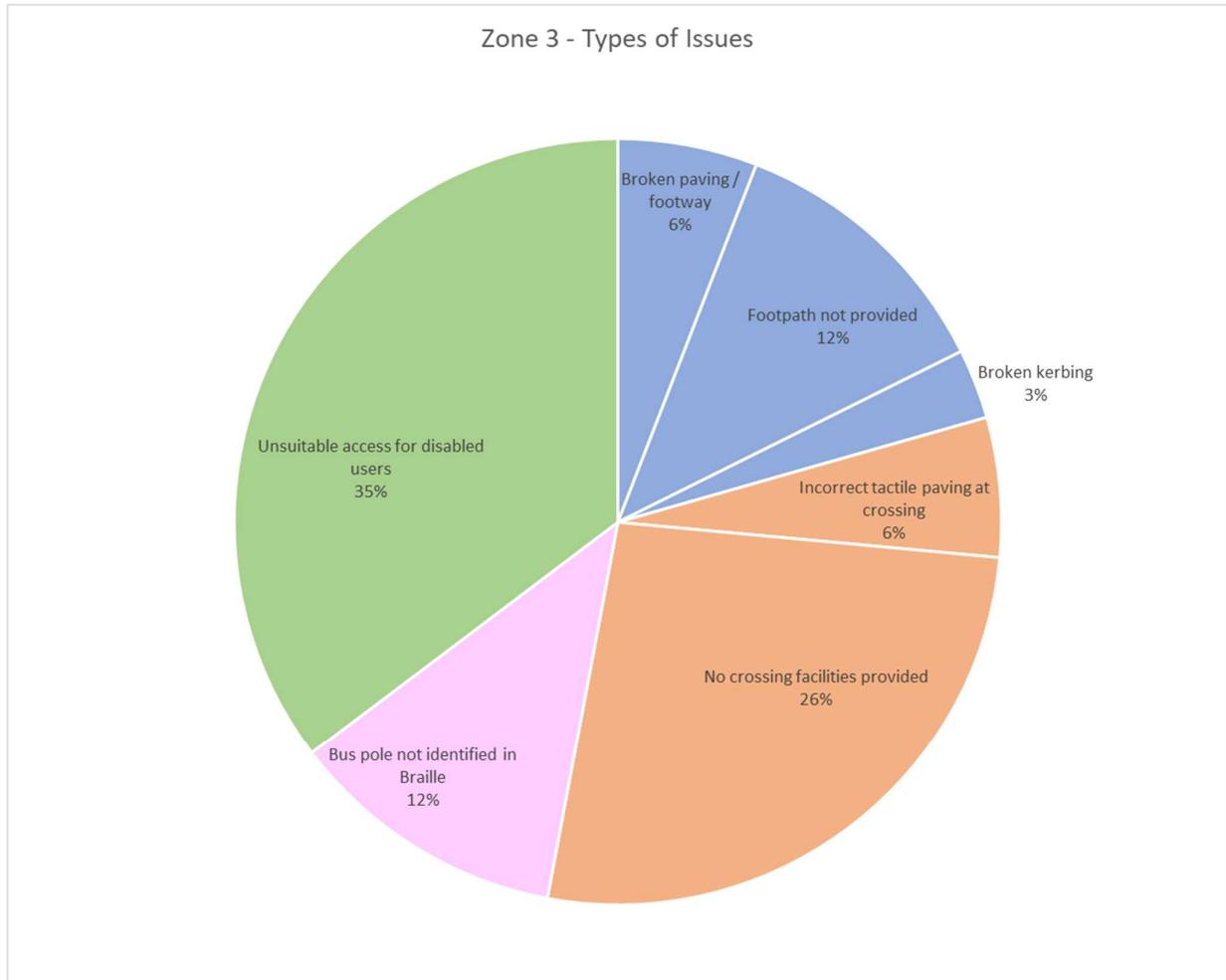


Figure 4.3: Zone 3 – breakdown of types of issues identified

4.2.1 Footpaths

Approximately 20% of the issues were related to the footpaths in zone 3. There were three instances of broken paving or kerbing and four sections where there was no footpath provided.

There are four footpath issues which are considered high severity – 1028, 1030, 1042 and 1050. These are discussed in Table 4.1.

For more detailed information of the footpath issues, see the green points in the Project Mapper App.

4.2.2 Crossings / Junctions

Crossings and junctions made up 11 of the 34 issues identified in zone 3. There were nine instances of no crossing facilities being provided and two locations where there is incorrect tactile paving.

There are nine crossing or junction issues which are considered high severity – 1027, 1029, 1035, 1037, 1040, 1041, 1044, 1049 and 1053. These are discussed in Table 4.1.

For more detailed information of the crossings / junctions issues, see the orange points in the Project Mapper App.

4.2.3 Bus Stops

There were five bus stops in this zone which were not identifiable by Braille.

For more detailed information of the bus stop issues, see the pink points in the Project Mapper App.

4.2.4 Other

The remaining 12 issues in this zone were identified as unsuitable for users with disabilities. These include six push buttons not working to full functionality, there were four instances of no tactile paving to indicate the end of or crossing of a cycle path and one instance of line markings suggesting cycle only path when signage indicates shared path. There was also one instance of overgrown vegetation.

There are six other issues which are considered high severity – 1054, 1055, 1056, 1057, 1058 and 1059. These are discussed in Table 4.1.

For more detailed information of the other issues, see the red points in the Project Mapper App.

Of the 34 issues identified in this zone of the route, 19 were considered high severity, one was considered medium severity and 14 were considered low severity, as shown in Figure 4.4. Table 4.1 details the issues identified as high severity by Object ID, along with the Irish Transverse Mercator co-ordinates and a proposed solution to the issues. The remaining issues are listed in Appendix A.

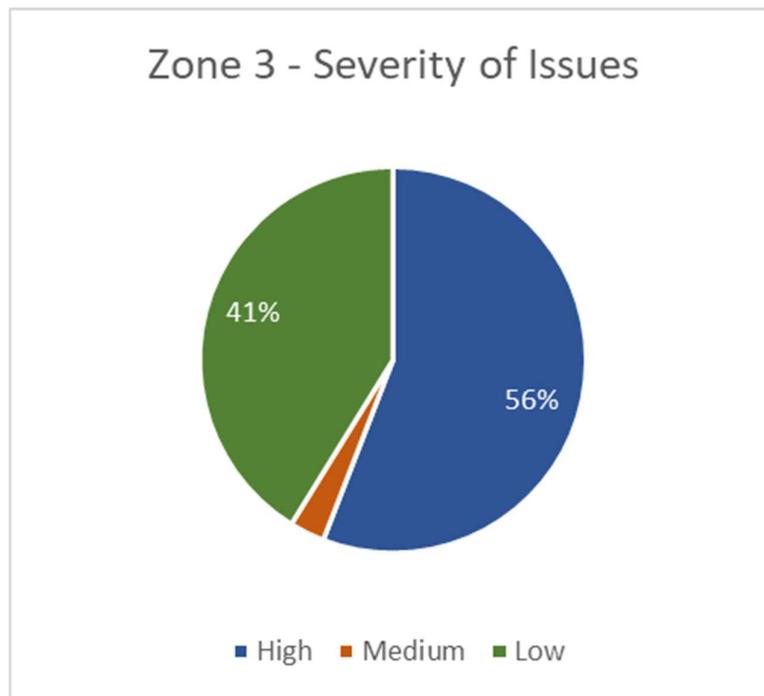
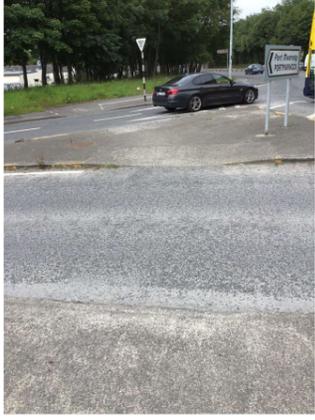


Figure 4.4: Severity of Issues Identified in Zone 3

Table 4.1: High Severity Issues in Zone 3

1027 - No crossing facilities provided	1028 - Footpath not provided	1029 - No crossing facilities provided	1030 - Footpath not provided
<p>This is located along the R132, at Kettles Lane. It is considered high severity as it makes for unsafe crossing, as there is no alternative crossing at this point, making it inaccessible.</p>	<p>This located along the R132, north of Kettles Lane. This is considered high severity as it makes the area inaccessible for those with reduced mobility, or visually impaired pedestrians who would have no indication of direction.</p>	<p>This is located along the R132, at Kettles Lane. This is considered high severity as there is no alternative to crossing at this point making it inaccessible.</p>	<p>This is located along the R132, at the bus stop south of Kettles Lane. This is high severity as it makes the bus stop inaccessible for those with reduced mobility.</p>
			
717756, 744482	717778, 744482	717777, 744474	717777, 744430
Solution: Provide crossing facilities.	Solution: Provide footpath.	Solution: Provide crossing facilities	Solution: Provide footpath.
1035 - No crossing facilities provided	1037 - No crossing facilities provided	1040 - No crossing facilities provided	1041 - No crossing facilities provided
<p>This is located along the R132, on approach to the Cloghran Roundabout. It is considered high severity as there is no alternative to crossing at this point, making it inaccessible.</p>	<p>This is located on Stockhole Lane, at the approach to Cloghran Roundabout. This is considered high severity as there are no alternative crossings at this point, making it inaccessible.</p>	<p>This is located along the R132, south of Cloghran Roundabout. This is considered high severity as there is no alternative to crossing at this point, making it inaccessible.</p>	<p>This is located on the Naul Road, on approach to Cloghran Roundabout. This is high severity as there is no alternative to crossing at this point, making it inaccessible.</p>
			
717707, 744151	717729, 744120	717693, 744086	717662, 744146
Solution: Provide crossing facilities.	Solution: Provide crossing facilities.	Solution: Provide crossing facilities.	Solution: Provide crossing facilities.

<p>1042 - Footpath not provided</p>	<p>1044 - No crossing facilities provided</p>	<p>1049 - No crossing facilities provided</p>	<p>1050 - Footpath not provided</p>
<p>This is located on Naul Road, on approach to Cloghran Road. This is considered high severity as it is inaccessible to those with reduced mobility.</p>	<p>This is located along the R132, at Old Stockhole Lane. This is considered high severity as there is no alternative to crossing at this point. There is no distinction between the crossing and the carriageway, which could cause visually impaired pedestrians to veer into the carriageway.</p>	<p>This is located along the R132, opposite Old Stockhole Lane. This is high severity as a lack of crossing requires unreasonable diversion and makes crossing inaccessible.</p>	<p>This is located along the R132, on approach to Airport Roundabout. This is high severity as a lack of footpath makes the area inaccessible to those with reduced mobility, as they are forced to travel along the carriageway.</p>
			
<p>717661, 744148</p>	<p>717652, 743987</p>	<p>717608, 743904</p>	<p>717602, 743859</p>
<p>Solution: Provide footpath.</p>	<p>Solution: Provide crossing facilities.</p>	<p>Solution: Provide crossing facilities.</p>	<p>Solution: Provide footpath.</p>
<p>1053 - No crossing facilities provided</p>	<p>1054 - Unsuitable access for disabled users</p>	<p>1055 - Unsuitable access for disabled users</p>	<p>1056 - Unsuitable access for disabled users</p>
<p>This is located on the R132, on approach to Airport Roundabout. This is considered high severity as crossing requires unreasonable diversion, making it inaccessible.</p>	<p>This is located at the R132 exit of Airport Roundabout. It is considered high severity as the push button is not working, with no sound or pulse for disabled users, making it inaccessible.</p>	<p>This is located at the R132 exit of Airport Roundabout. It is considered high severity as the push button is not working, with no sound or pulse for disabled users, making it inaccessible.</p>	<p>This is located at the exit lanes from Dublin Airport towards Airport Roundabout. It is considered high severity as the push button is not working, with no sound or pulse for disabled users, making it inaccessible.</p>
			
<p>717611, 743533</p>	<p>717594, 743509</p>	<p>717597, 743495</p>	<p>717596, 743494</p>
<p>Solution: Provide crossing facilities.</p>	<p>Solution: Fix push button.</p>	<p>Solution: Fix push button.</p>	<p>Solution: Fix push button.</p>

1057 - Unsuitable access for disabled users	1058 - Unsuitable access for disabled users	1059 - Unsuitable access for disabled users
<p>This is located at the exit lanes from Dublin Airport towards Airport Roundabout. It is considered high severity as the push button is not working, with no sound or pulse for disabled users, making it inaccessible.</p>	<p>This is located at the entrance lanes from Airport Roundabout towards Dublin Airport. It is considered high severity as the push button is not working, with no sound or pulse for disabled users, making it inaccessible.</p>	<p>This is located at the entrance lanes from Airport Roundabout towards Dublin Airport. It is considered high severity as the push button is not working, with no sound or pulse for disabled users, making it inaccessible.</p>
		
<p>717594, 743477</p>	<p>717585, 743472</p>	<p>717581, 743461</p>
<p>Solution: Fix push button.</p>	<p>Solution: Fix push button.</p>	<p>Solution: Fix push button.</p>

5. Zone 4 – Airport Roundabout to ALSAA

5.1 Description of Zone

This section of the route includes the road network along R132 between Airport Roundabout and the ALSAA Sports Centre. Figure 5.1 shows this section of the route.



Figure 5.1: Map of Zone 4

To date, the community has been consulted on potential design layouts for the length of the route. Below is a list of the points and opinions raised by members of the public at the community consultation that relate to Zone 4 of the route:

- There are concerns about island bus stops not being pedestrian friendly, particularly for people with disabilities.

Appendix B shows the main attractors and generators of the entire route. Zone 4 of the Swords scheme is shown in map 3. There are no buildings of significance identified from the Prime 2 data within the vicinity of this section of the route. However, Dublin Airport is accessible along this zone and is sensitive to disability design requirements and therefore access and facilities should be provided in the vicinity to make it easy to access for people with disabilities. There are likely to be other buildings in the area that require access for users with disabilities that are not identified in the Prime 2 study, which only identified prioritised buildings within 100m of the corridor.

Figure 5.2 shows the current bus stops along Zone 4 of the Swords scheme compared to the Prime 2 data. It is considered that these bus stops are not intended to service the airport. However, the airport is well serviced by other bus routes with bus stops provided within the airport complex, which are adjacent to the terminals, hotels, hangars and cargo units.

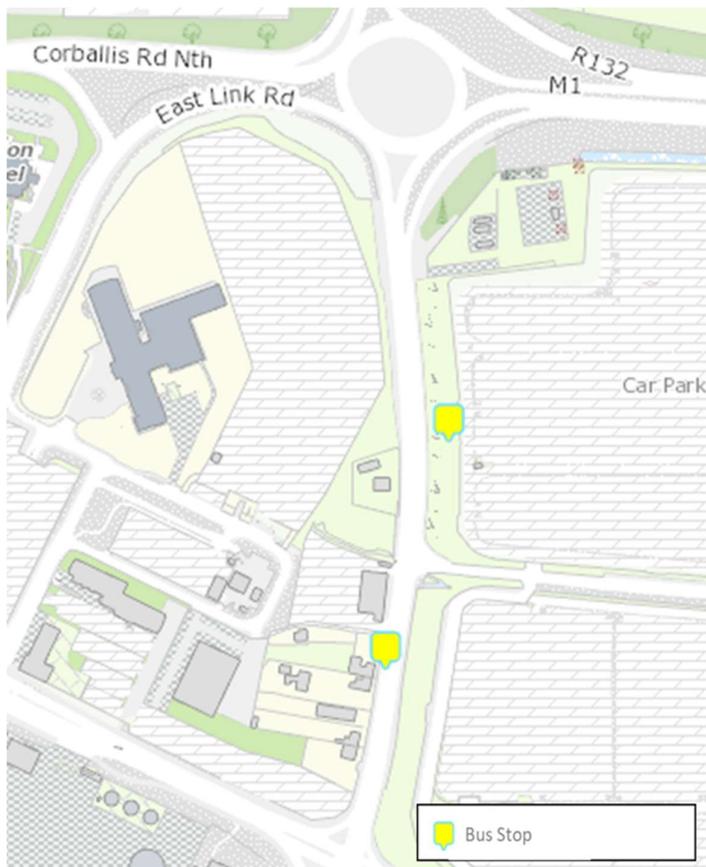


Figure 5.2: Prime2 Buildings and Nearby Bus Stops

5.2 Problem Identification

There were five issues identified in Zone 4 of the Swords scheme. Figure 5.3 shows the types of issues identified.

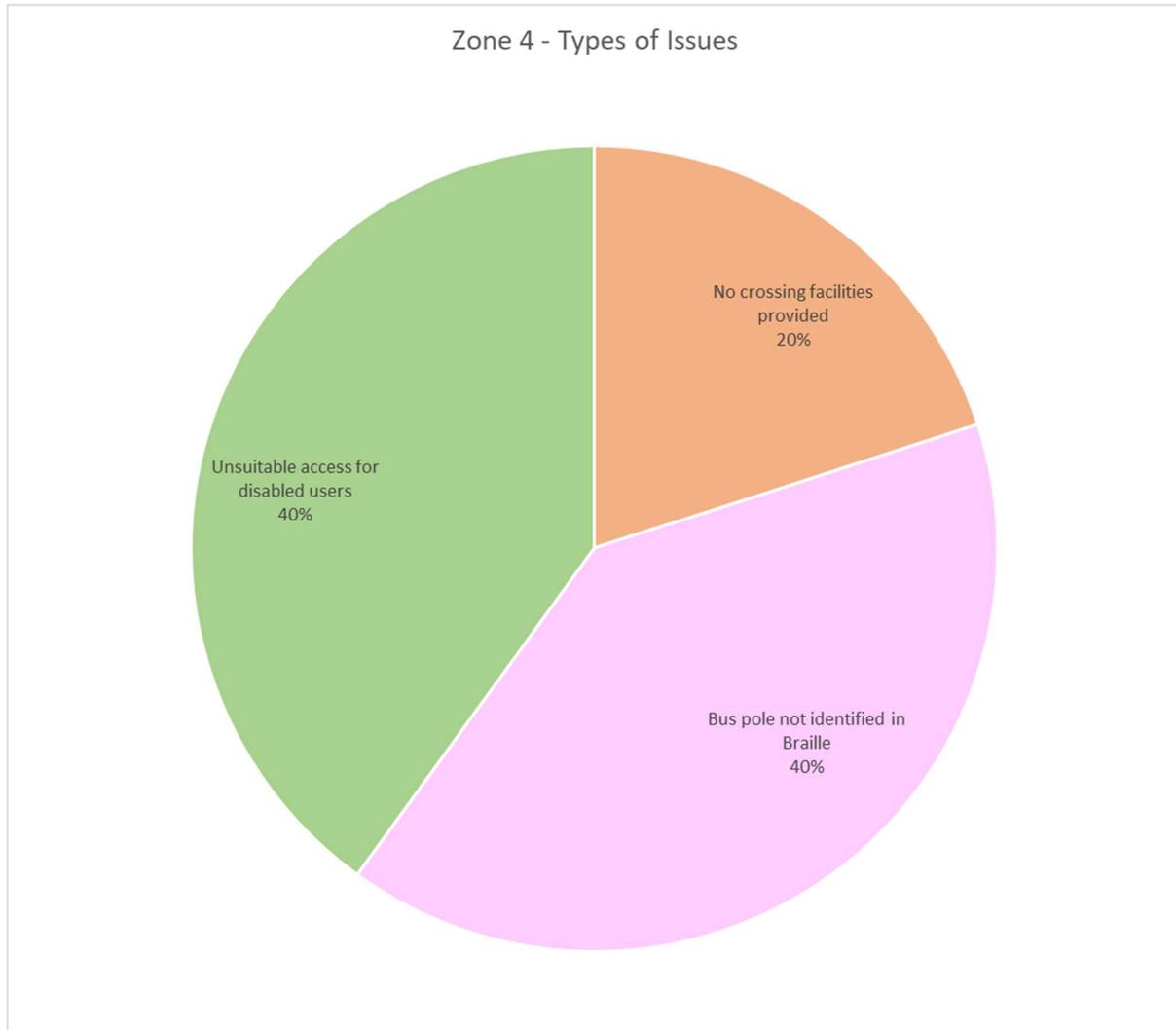


Figure 5.3: Zone 4 – breakdown of types of issues identified

5.2.1 Crossings / Junctions

Of the five issues identified in zone 4, one was related to crossing facilities. There was one location where no crossing facilities were provided.

The one crossing issue is considered high severity – 1061. This is discussed in Table 5.1.

For more detailed information of the crossings / junctions issues, see the orange points in the Project Mapper App.

5.2.2 Bus Stops

There were two bus stops in zone 4 that were not identifiable by Braille.

For more detailed information of the bus stop issues, see the pink points in the Project Mapper App.

5.2.3 Other

There were two issues identified as unsuitable for users with disabilities. There was one push button which was not fully functional and one instance of missing tactile paving at the start of a cycle path.

For more detailed information of the other issues, see the red points in the Project Mapper App.

Of the five issues identified in this zone of the route, one was considered high severity, one was considered medium severity and three were considered low severity, as shown in Figure 5.4. Table 5.1 details the issues identified as high severity by Object ID, along with the Irish Transverse Mercator co-ordinates and a proposed solution to the issues. The remaining issues are listed in Appendix A.

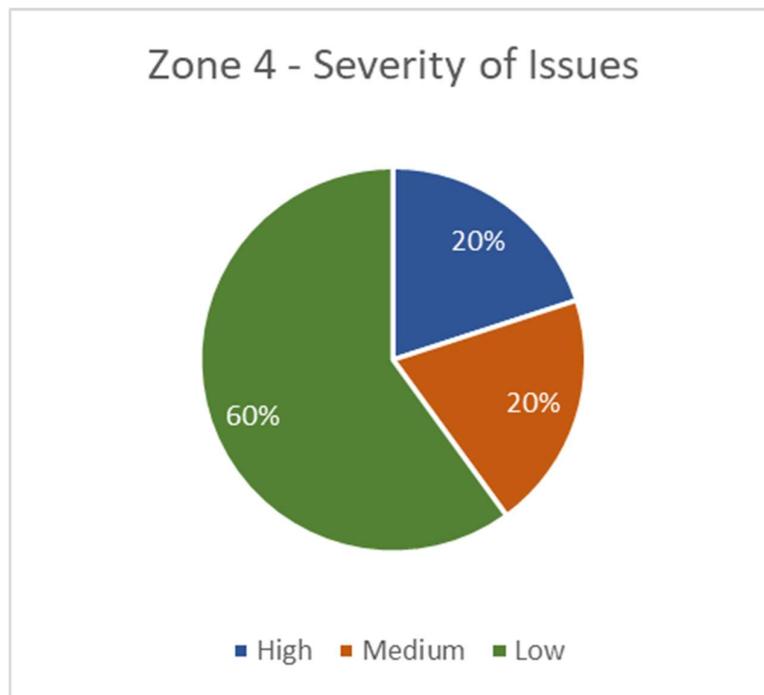


Figure 5.4: Severity of Issues Identified in Zone 4

Table 5.1: High Severity Issues in Zone 4

<p>1061 - No crossing facilities provided</p>
<p>This is located on the R132, south of Airport Roundabout. This is high severity as crossing requires unreasonable diversion, making it inaccessible.</p>

<p>717640, 743411</p>
<p>Solution: Provide crossing facilities.</p>

6. Zone 5 – ALSAA to Collinstown Cross Industrial Estate

6.1 Description of Zone

This section of the route includes the road network along Swords Road between the ALSAA Sports Centre and Collinstown Cross Industrial Estate. Figure 6.1 shows this section of the route.



Figure 6.1: Map of Zone 5

To date, the community has been consulted on potential design layouts for the length of the route. Below is a list of the points and opinions raised by members of the public at the community consultation that relate to Zone 5 of the route:

- There are concerns about island bus stops not being pedestrian friendly, particularly for people with disabilities.

Appendix B shows the main attractors and generators of the entire route. Zone 5 of the Swords scheme is shown in map 3. There are no buildings of significance identified from the Prime 2 data within the vicinity of this section of the route. There are likely to be buildings in the area that require access for users with disabilities that are not identified in the Prime 2 study, which only identified prioritised buildings within 100m of the corridor.

Figure 7.2 shows the current bus stops along Zone 5 of the Swords scheme compared to the Prime 2 data. As there are no significant buildings identified by the Prime 2 data, it is considered that these bus stops service the area well.

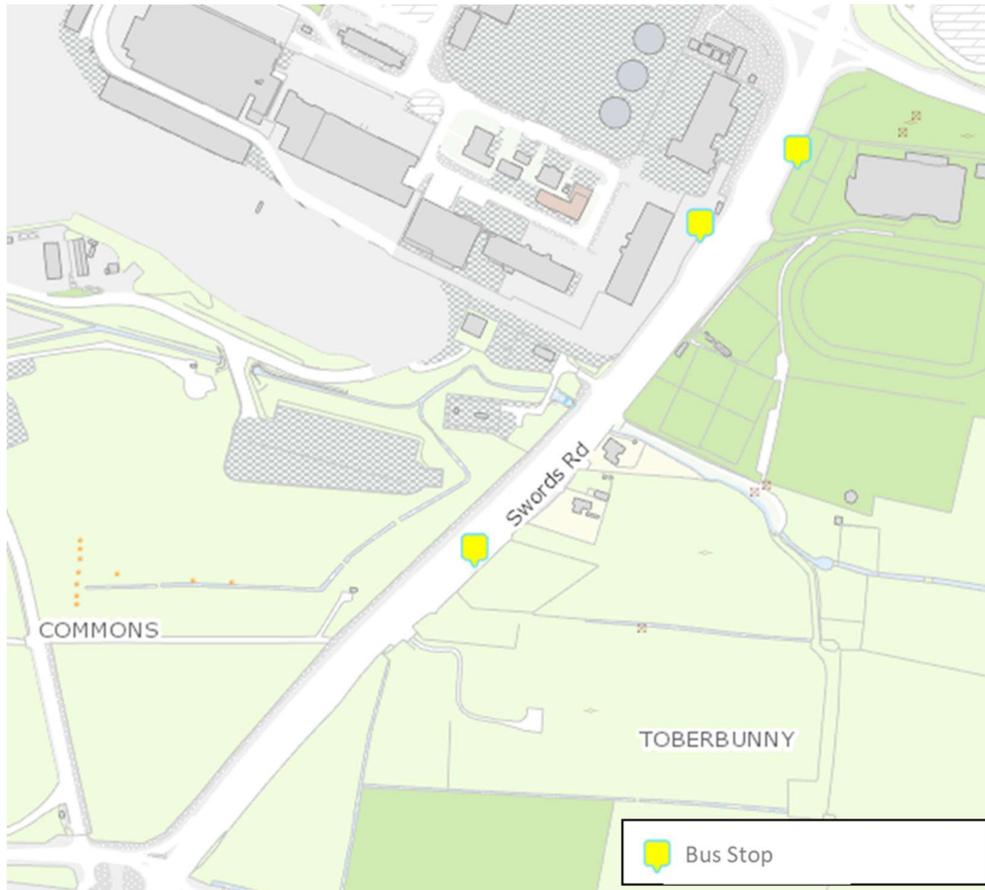


Figure 6.2: Prime2 Buildings and Nearby Bus Stops

6.2 Problem Identification

There were eight issues identified in Zone 5 of the Swords scheme. Figure 6.3 shows the types of issues identified.

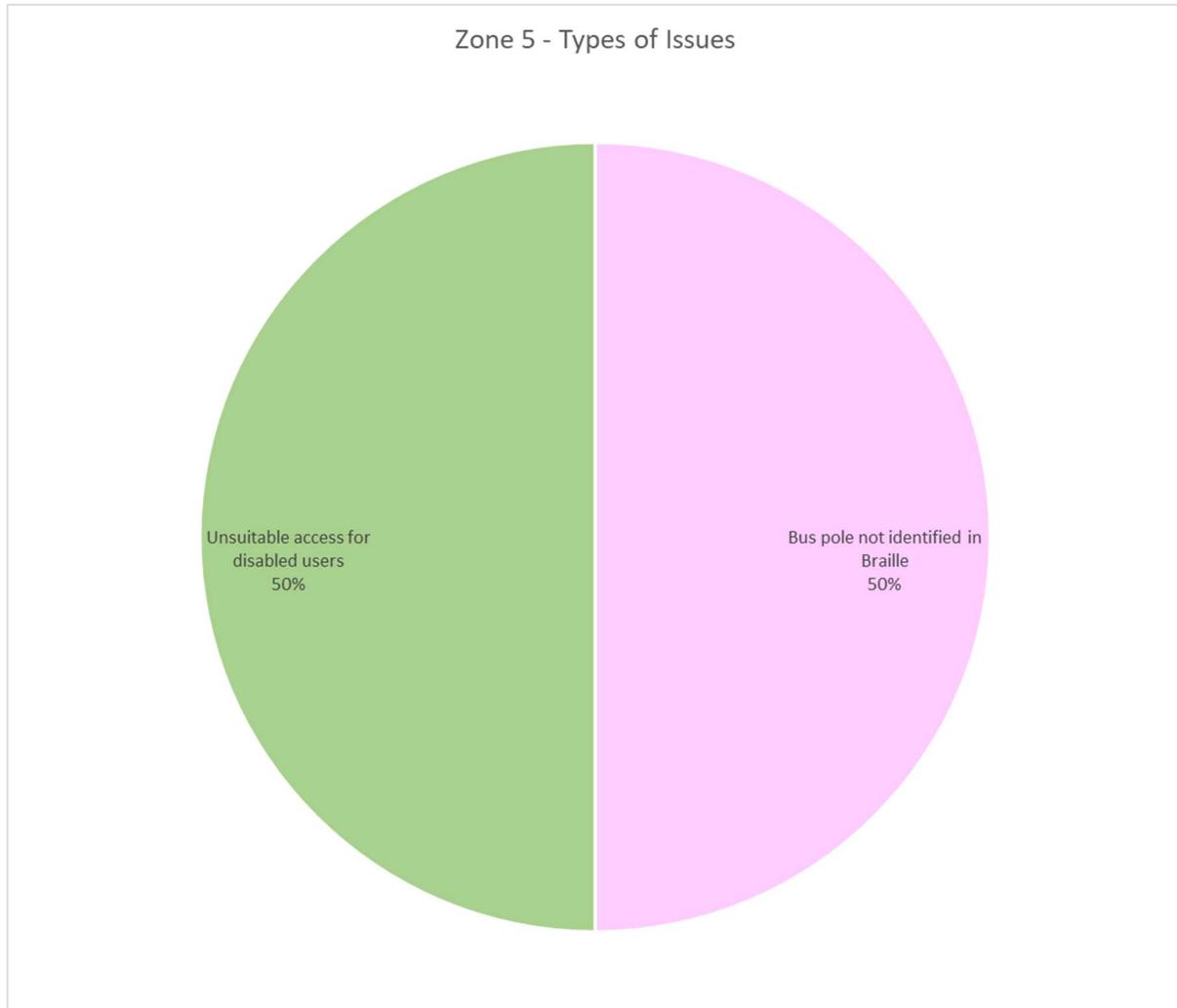


Figure 6.3: Zone 5 – breakdown of types of issues identified

6.2.1 Bus Stops

There were four bus stops in zone 5 that were not identifiable by Braille.

For more detailed information of the bus stop issues, see the pink points in the Project Mapper App.

6.2.2 Other

There were four unsuitable for users with disabilities issues. These included two push buttons which did not have pulse functionality and two instances of no tactile paving to indicate the start or end of a cycle path.

For more detailed information of the other issues, see the red points in the Project Mapper App.

Of the eight issues identified in this zone of the route, there were no issues considered high severity, three were considered medium severity and five were considered low severity, as shown in Figure 6.4. The issues in Zone 5 are listed in Appendix A.

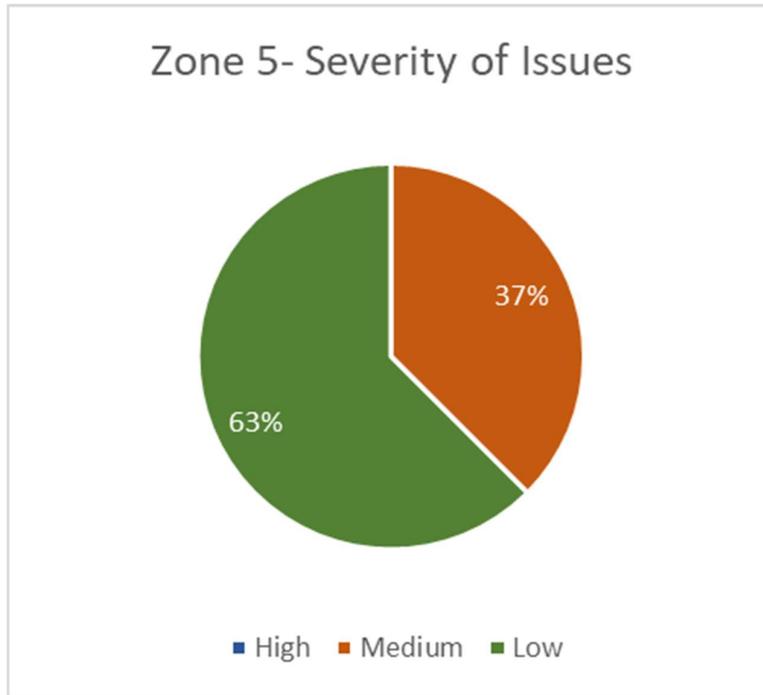


Figure 6.4: Severity of Issues Identified in Zone 5

7. Zone 6 – Collinstown Cross Industrial Estate to Santry Business Park

7.1 Description of Zone

This section of the route includes the road network along Swords Road between Collinstown Cross Industrial Estate and Santry Business Park. Figure 7.1 shows this section of the route.



Figure 7.1: Map of Zone 6

To date, the community has been consulted on potential design layouts for the length of the route. Below is a list of the points and opinions raised by members of the public at the community consultation that relate to Zone 6 of the route:

- There are concerns about island bus stops not being pedestrian friendly, particularly for people with disabilities.

Appendix B shows the main attractors and generators of the entire route. Zone 6 of the Swords scheme is shown in map 4. There is one building of significance identified from the Prime 2 data within the vicinity of this section of the route. This is:

- Bank of Ireland Collinstown Cross

This building is considered to be a place that is sensitive to disability design requirements and therefore access and facilities should be provided in the vicinity to make it easy to access for people with disabilities. There are likely to be other buildings in the area that require access for users with disabilities that are not identified in the Prime 2 study, which only identified prioritised buildings within 100m of the corridor.

Figure 7.2 shows the current bus stops along Zone 6 of the Swords scheme in the vicinity of the above listed building. It is considered that these bus stops currently service the Bank of Ireland Collinstown well.

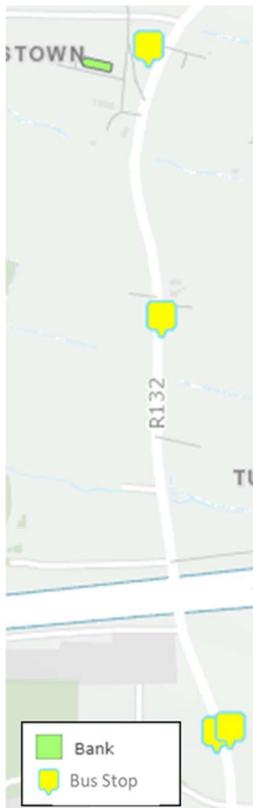


Figure 7.2: Prime2 Buildings and Nearby Bus Stops

7.2 Problem Identification

There were 37 issues identified in Zone 6 of the Swords scheme. Figure 7.3 shows the types of issues identified.

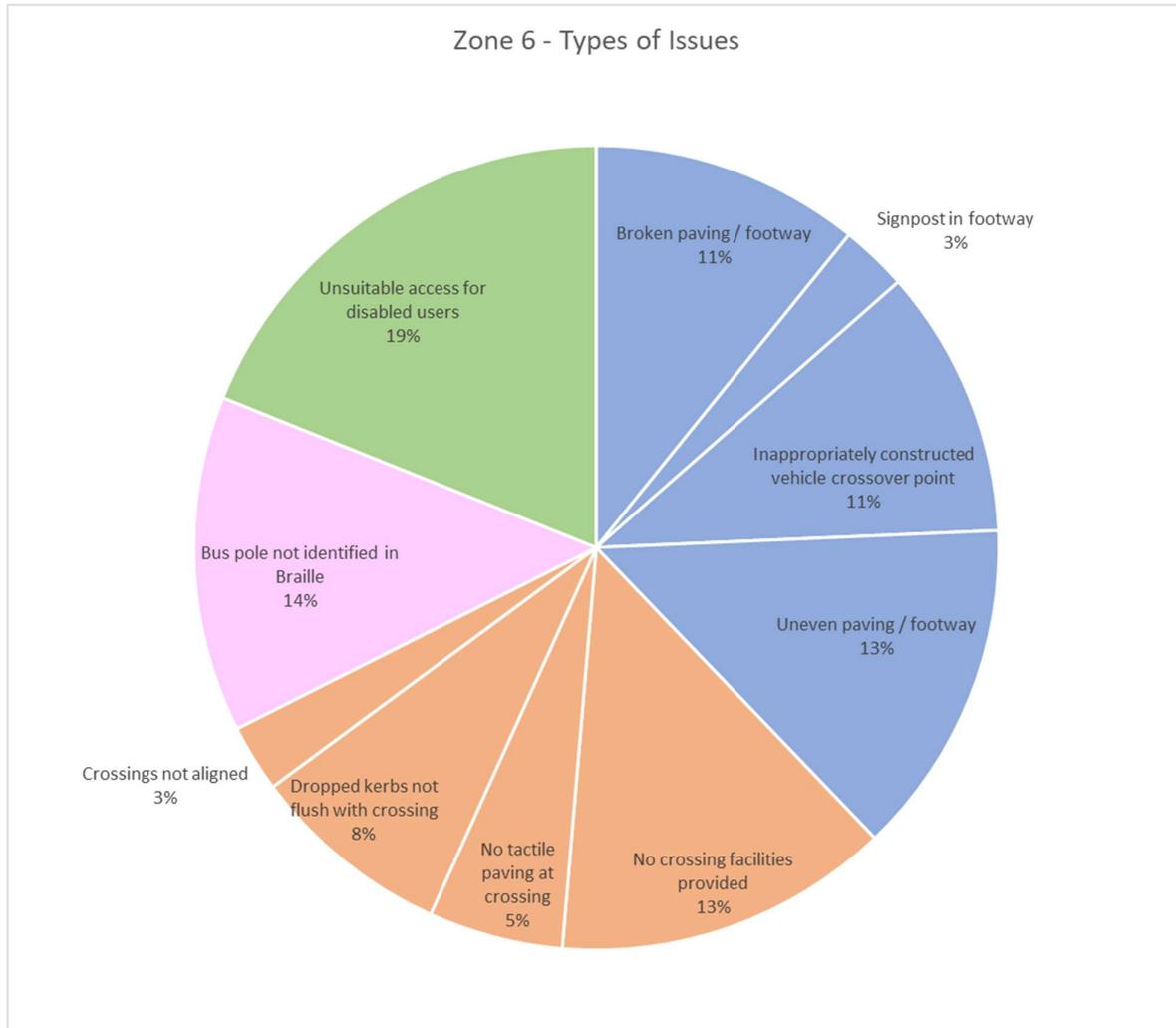


Figure 7.3: Zone 6 – breakdown of types of issues identified

7.2.1 Footpaths

14 of the 37 identified issues in zone 6 were associated with the footpaths in the zone. Of these 14, nine were due to broken or uneven paving, four were due to inappropriately constructed vehicle crossover points and there was one signpost in the footway.

There is one footpath issue which is considered high severity - 1087. This is discussed in Table 7.1.

For more detailed information of the footpath issues, see the green points in the Project Mapper App.

7.2.2 Crossings / Junctions

Of the 11 issues related to crossings and junctions, there were five crossings where no facilities were provided, three dropped kerbs that were not flush with the crossing, two crossings with no tactile paving and one crossing that was not aligned.

There are five crossing or junction issues which are considered high severity – 1077, 1078, 1084, 1092 and 1102. These are discussed in Table 7.1.

For more detailed information of the crossings / junctions issues, see the orange points in the Project Mapper App.

7.2.3 Bus Stops

There were five bus stops in zone 6 that were not identifiable by Braille.

For more detailed information of the bus stop issues, see the pink points in the Project Mapper App.

7.2.4 Other

There were seven unsuitable for users with disabilities issues identified. Five of these involved overgrown foliage onto the footpath, there was one instance of no tactile paving to indicated the start of a cycle path and one push button which did not have pulsation functionality.

For more detailed information of the other issues, see the red points in the Project Mapper App.

Of the 37 issues identified in this zone of the route, six were considered high severity, 13 were considered medium severity and 18 were considered low severity, as shown in Figure 7.4. Table 7.1 details the issues identified as high severity by Object ID, along with the Irish Transverse Mercator co-ordinates and a proposed solution to the issues. The remaining issues are listed in Appendix A.

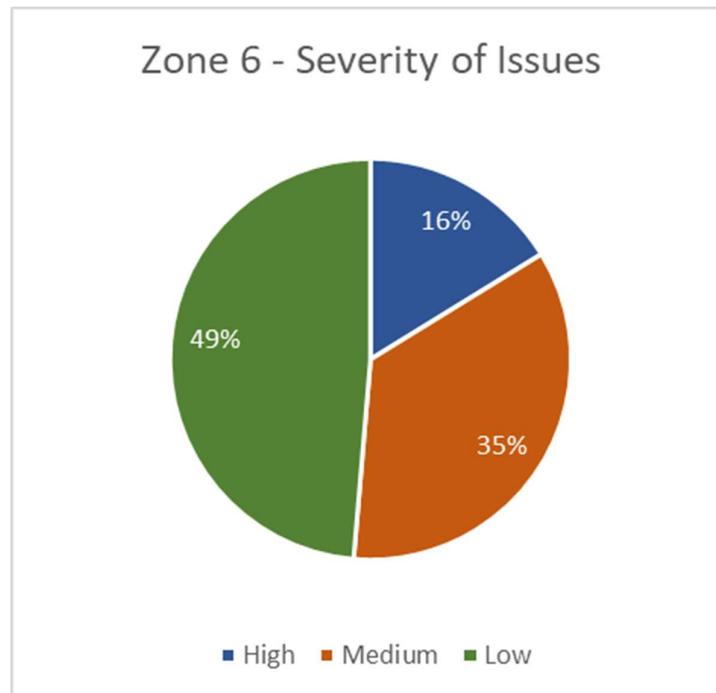
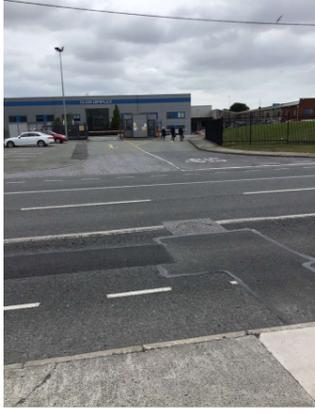


Figure 7.4: Severity of Issues Identified in Zone 6

Table 7.1: High Severity Issues in Zone 6

1077 - Crossings not aligned	1078 - Dropped kerbs not flush with crossing	1084 - No crossing facilities provided	1087 - Signpost in footway
<p>This is located along Swords Road, at the entrance to Quick Park Dublin Airport. This is high severity as the lack of distinction between the crossing and road could cause visually impaired pedestrians to veer into the carriageway.</p>	<p>This is located along Swords Road, at the entrance to Carlton Hotel Dublin Airport. This is high severity as it is inaccessible to those with reduced mobility, and wheelchair users.</p>	<p>This is located on Swords Road, at the entrance to Collinstown Business Park. This is high severity as the lack of distinction between the crossing and road could cause visually impaired pedestrians to veer into the carriageway.</p>	<p>This is located on the R132, at the bus stop south of Collinstown Business Park. This is high severity as it presents danger to visually impaired pedestrians. It also reduces the width of the footpath, making it inaccessible to wheelchair users.</p>
			
<p>717037, 742008</p>	<p>717038, 741992</p>	<p>717081, 741855</p>	<p>717082, 741814</p>
<p>Solution: Reposition dropped kerb to align crossings.</p>	<p>Solution: Lower kerb to be flush with crossing.</p>	<p>Solution: Provide crossing facilities.</p>	<p>Solution: Relocate signpost to more appropriate location, or completely remove as no sign present.</p>
1092 - No crossing facilities provided	1102 - No crossing facilities provided		
<p>This is located along the R132, at the entrance to Glen Dimplex. This is high severity as there is no alternative to crossing at this point, making it inaccessible.</p>	<p>This is located along the R132, at the entrance of North Ring Business Park. This is high severity as there is no alternative to crossing at this point, making it inaccessible.</p>		
			
<p>717076, 741673</p>	<p>717103, 741412</p>		
<p>Solution: Provide crossing facilities.</p>	<p>Solution: Provide crossing facilities.</p>		

8. Zone 7 – Santry Business Park to Morton Stadium

8.1 Description of Zone

This section of the route includes the road network along Swords Road between Santry Business Park and Morton Stadium. Figure 8.1 shows this section of the route.



Figure 8.1: Map of Zone 7

To date, the community has been consulted on potential design layouts for the length of the route. Below is a list of the points and opinions raised by members of the public at the community consultation that relate to Zone 7 of the route:

- There are concerns about island bus stops not being pedestrian friendly, particularly for people with disabilities.

Appendix B shows the main attractors and generators of the entire route. Zone 7 of the Swords scheme is shown in map 4 and map 5. There are no buildings of significance identified from the Prime 2 data within the vicinity of this section of the route. There are likely to be buildings in the area that require access for users with disabilities that are not identified in the Prime 2 study, which only identified prioritised buildings within 100m of the corridor.

Figure 8.2 shows the current bus stops along Zone 7 of the Swords scheme compared to the Prime 2 data. As there are no significant buildings identified by the Prime 2 data, it is considered that these bus stops service the area well.

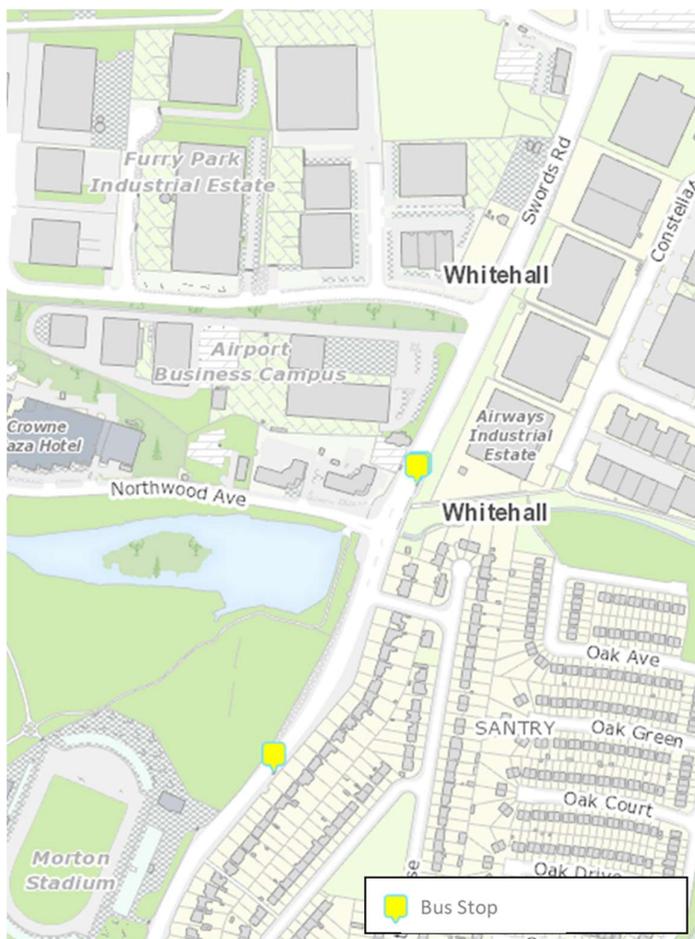


Figure 8.2: Prime2 Buildings and Nearby Bus Stops

8.2 Problem Identification

There were 21 issues identified in Zone 7 of the Swords scheme. Figure 8.3 shows the types of issues identified.

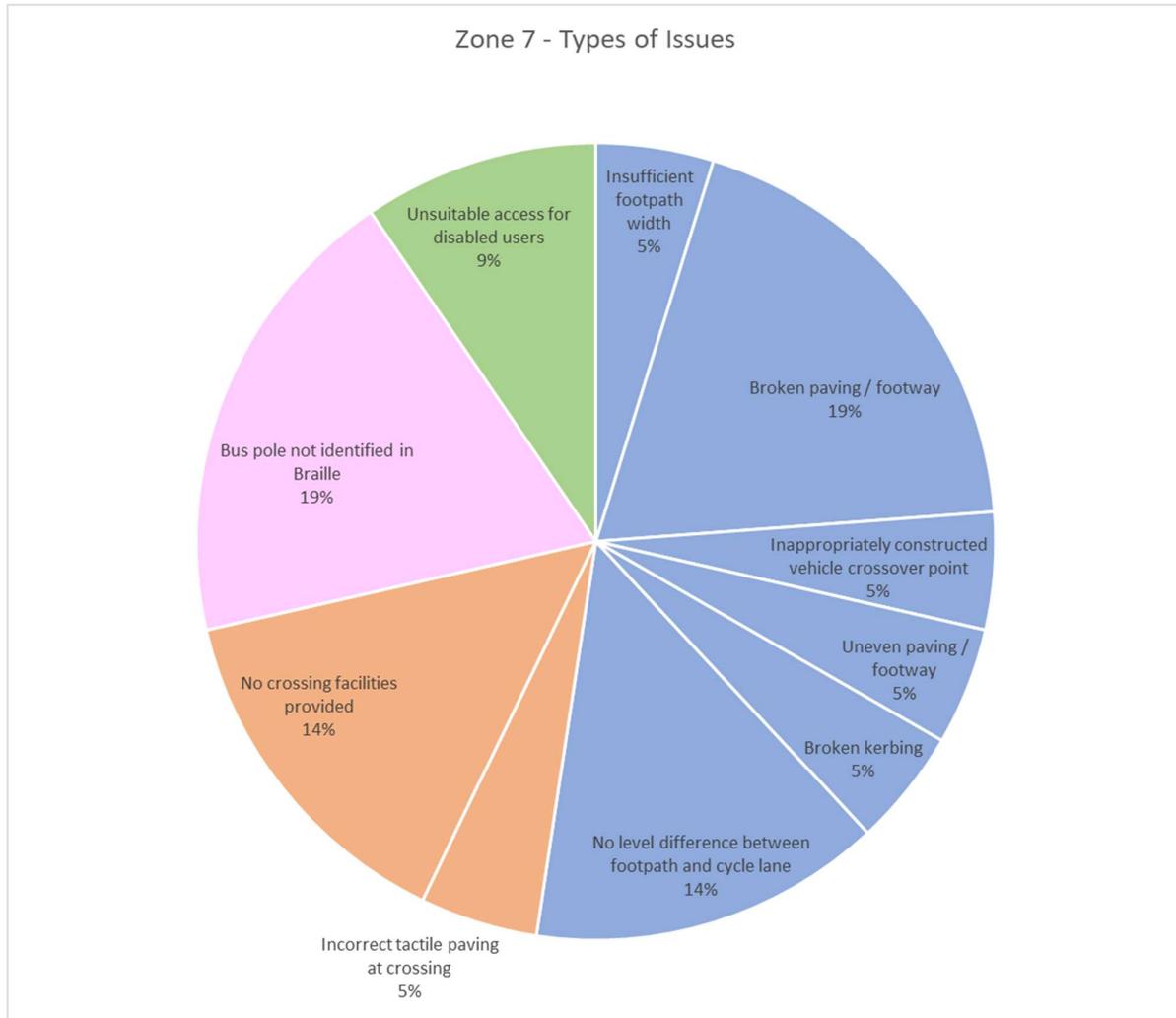


Figure 8.3: Zone 7 – breakdown of types of issues identified

8.2.1 Footpaths

More than half of the issues identified in zone 7 were related to the footpaths, 11 out of 21. Six of these were due to broken or uneven paving and kerbing. There were three instances of no level difference between footpath and cycle lane, one inappropriately constructed vehicle crossover point and one section of footpath of insufficient width.

For more detailed information of the footpath issues, see the green points in the Project Mapper App.

8.2.2 Crossings / Junctions

Four of the issues identified in zone 7 were related to the crossings. Three crossings had no facilities provided and there was one with incorrect tactile paving.

For more detailed information of the crossings / junctions issues, see the orange points in the Project Mapper App.

8.2.3 Bus Stops

There were four bus stops in zone 7 that were not identifiable by Braille.

For more detailed information of the bus stop issues, see the pink points in the Project Mapper App.

8.2.4 Other

There were two other issues classified as unsuitable for users with disabilities. There was one push button which did not have vibration functionality and one instance of overgrown foliage on the path. For more detailed information of the other issues, see the red points in the Project Mapper App.

Of the 21 issues identified in this zone of the route, there were no issues considered high severity, eight were considered medium severity and 13 were considered low severity, as shown in Figure 8.4. The issues in Zone 7 are listed in Appendix A.

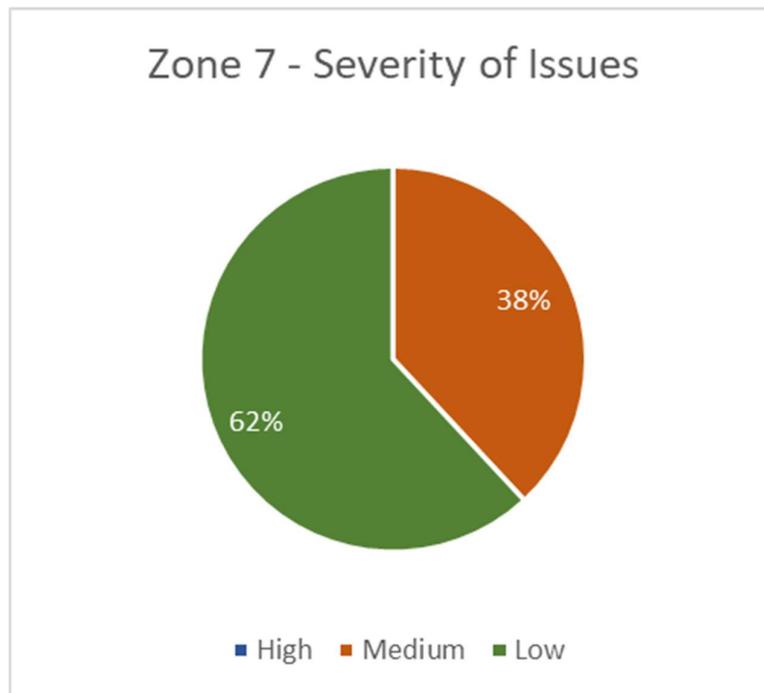


Figure 8.4: Severity of Issues Identified in Zone 7

9. Zone 8 – Morton Stadium to Omni Park Service Entrance

9.1 Description of Zone

This section of the route includes the road network along Swords Road between Morton Stadium and the service entrance of Omni Park. Figure 9.1 shows this section of the route.



Figure 9.1: Map of Zone 8

To date, the community has been consulted on potential design layouts for the length of the route. Below is a list of the points and opinions raised by members of the public at the community consultation that relate to Zone 8 of the route:

- There are concerns about island bus stops not being pedestrian friendly, particularly for people with disabilities.

Appendix B shows the main attractors and generators of the entire route. Zone 8 of the Swords scheme is shown in map 5. There are two buildings of significance identified from the Prime 2 data within the vicinity of this section of the route. These are:

- St. Pappan's Church of Ireland
- AIB Bank Swords Road

These buildings are all considered to be places that are sensitive to disability design requirements and therefore access and facilities should be provided in the vicinity to make them easy to access for people with disabilities. There are likely to be other buildings in the area that require access for users with disabilities that are not identified in the Prime 2 study, which only identified prioritised buildings within 100m of the corridor.

Figure 9.2 shows the current bus stops along Zone 8 of the Swords scheme in the vicinity of the above listed buildings. It is considered that these bus stops currently service the buildings well.



Figure 9.2: Prime2 Buildings and Nearby Bus Stops

9.2 Problem Identification

There were 29 issues identified in Zone 8 of the Swords scheme. Figure 9.3 shows the types of issues identified.

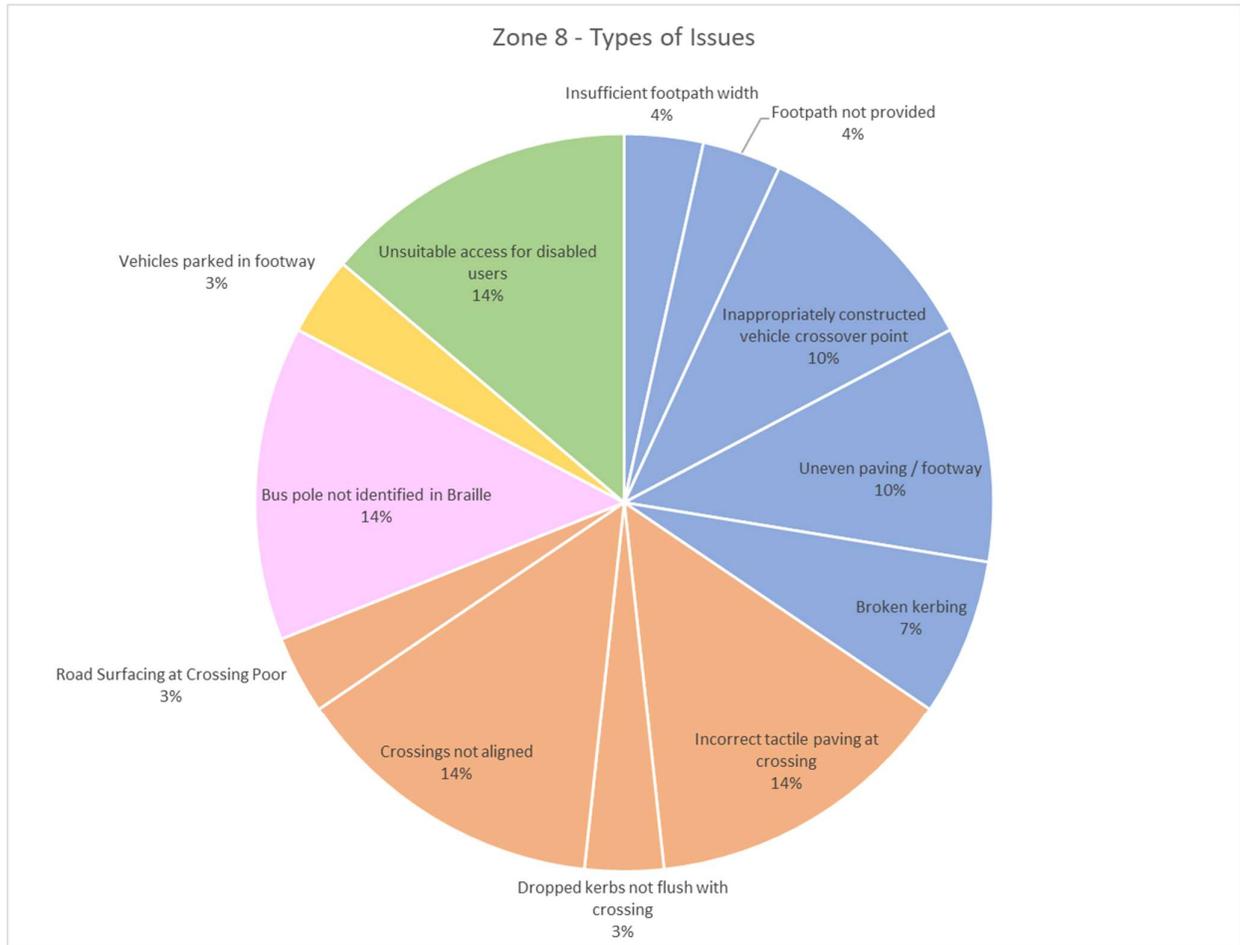


Figure 9.3: Zone 8 – breakdown of types of issues identified

9.2.1 Footpaths

Approximately one third of the issues in zone 8 (10/29) were associated with the footpaths. There were five instances of broken or uneven kerbing and footpath and three inappropriately constructed vehicle crossover points. There was also one section where no footpath was provided and one section of footpath of insufficient width.

For more detailed information of the footpath issues, see the green points in the Project Mapper App.

9.2.2 Crossings / Junctions

Approximately one third of the issues in zone 8 (10/29) were associated with the crossings and junctions. There were four crossings that were not aligned, four crossings with incorrect tactile paving and one dropped kerb not flush with the crossing. There was also one crossing with poor crossing surfacing.

For more detailed information of the crossings / junctions issues, see the orange points in the Project Mapper App.

9.2.3 Bus Stops

There were four bus stops in zone 8 that were not identifiable by Braille.

For more detailed information of the bus stop issues, see the pink points in the Project Mapper App.

9.2.4 Parking

There was one instance of vehicles parked in the footway.

For more detailed information of the parking issues, see the blue points in the Project Mapper App.

9.2.5 Other

Of the four unsuitable for users with disabilities issues identified, there were three push buttons which did not have vibration functionality and one instance of cars parking across the dropped kerbs.

For more detailed information of the other issues, see the red points in the Project Mapper App.

Of the 29 issues identified in this zone of the route, there were no issues considered high severity, seven were considered medium severity and 22 were considered low severity, as shown in Figure 9.4. The issues in Zone 8 are listed in Appendix A.

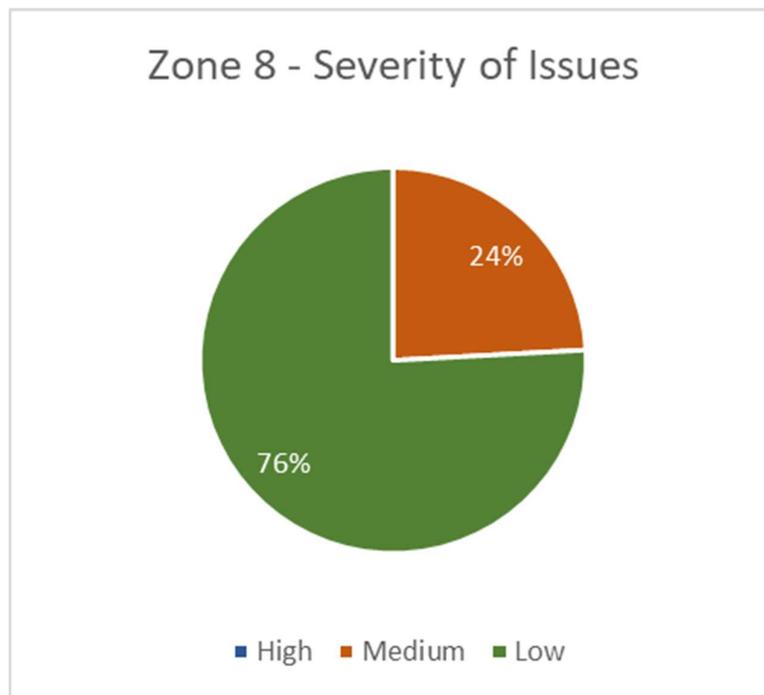


Figure 9.4: Severity of Issues Identified in Zone 8

10. Zone 9 – Omni Park Service Entrance to Whitehall Holychild Church

10.1 Description of Zone

This section of the route includes the road network along Swords Road between the service entrance of Omni Park and Whitehall Holychild Church. Figure 10.1 shows this section of the route.



Figure 10.1: Map of Zone 9

To date, the community has been consulted on potential design layouts for the length of the route. Below is a list of the points and opinions raised by members of the public at the community consultation that relate to Zone 9 of the route:

- There are concerns about island bus stops not being pedestrian friendly, particularly for people with disabilities.

Appendix B shows the main attractors and generators of the entire route. Zone 9 of the Swords scheme is shown in map 6. There is one building of significance identified from the Prime 2 data within the vicinity of this section of the route. This is:

- Holy Child Roman Catholic Church

This building is considered to be a place that is sensitive to disability design requirements and therefore access and facilities should be provided in the vicinity to make it easy to access for people with disabilities. There are likely to be other buildings in the area that require access for users with disabilities that are not identified in the Prime 2 study, which only identified prioritised buildings within 100m of the corridor.

Figure 10.2 shows the current bus stops along Zone 9 of the Swords scheme in the vicinity of the above listed building. It is considered that these bus stops currently service the Holy Child Roman Catholic Church well. See Figure 11.2 for reference to the nearby northbound bus stop.

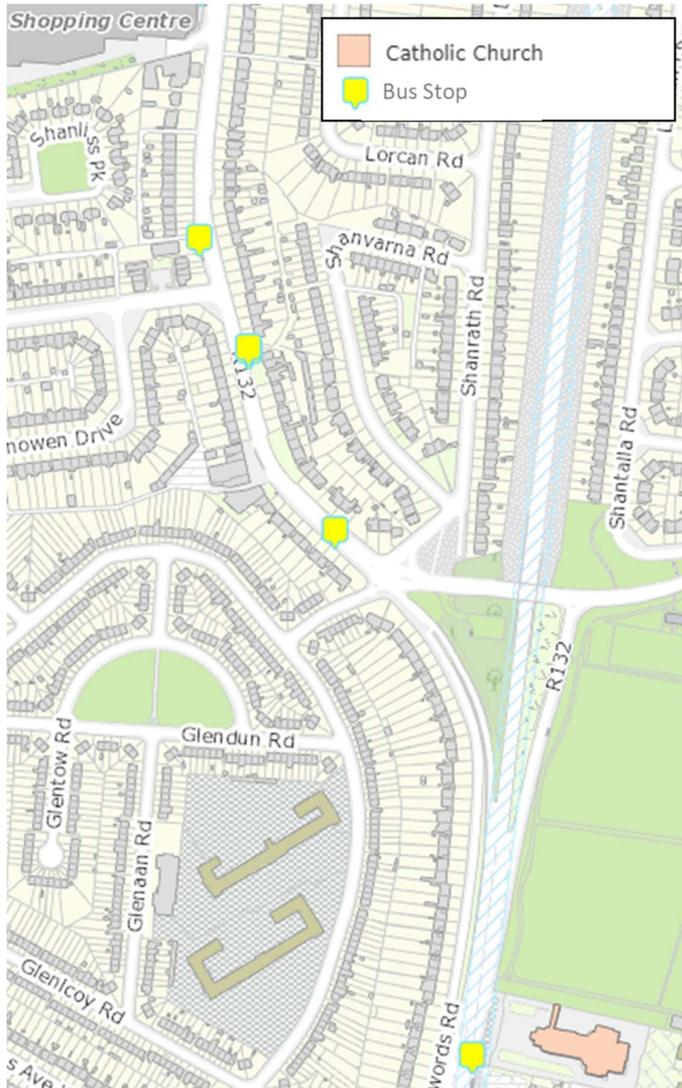


Figure 10.2: Prime2 Buildings and Nearby Bus Stops

10.2 Problem Identification

There were 26 issues identified in Zone 9 of the Swords scheme. Figure 10.3 shows the types of issues identified.

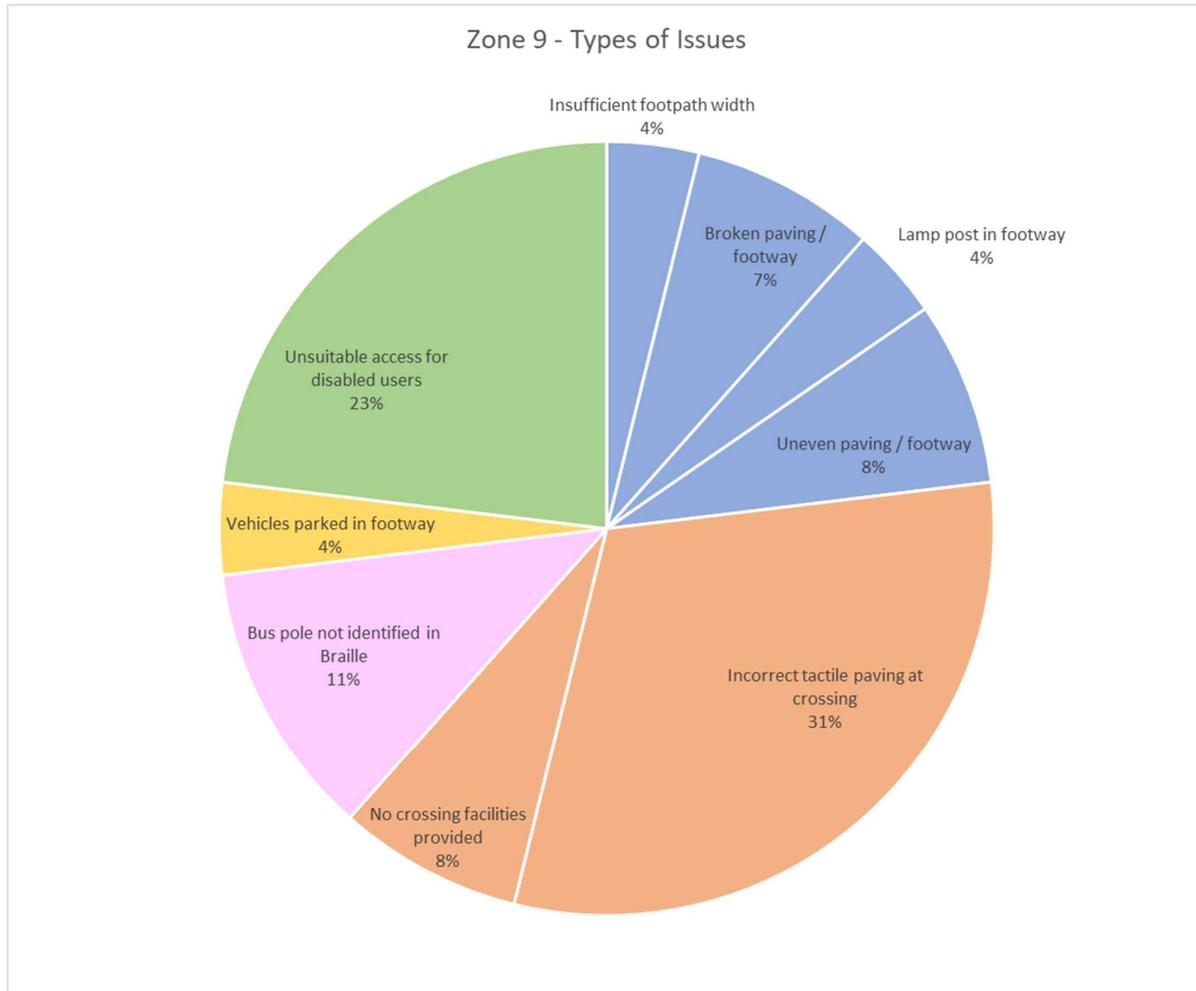


Figure 10.3: Zone 9 – breakdown of types of issues identified

10.2.1 Footpaths

Six of the issues identified in zone 9 were related to the footpaths. Four of these were broken or uneven footpaths, there was one location of insufficient footpath width and one lamp post in the footway.

For more detailed information of the footpath issues, see the green points in the Project Mapper App.

10.2.2 Crossings / Junctions

There were ten issues identified in relation to the junctions and crossings in zone 9. There were eight crossings with incorrect tactile paving and two crossings with no facilities provided.

There is one crossing or junction issue which is considered high severity – 1177. This is discussed in Table 10.1.

For more detailed information of the crossings / junctions issues, see the orange points in the Project Mapper App.

10.2.3 Bus Stops

There were three bus stops in zone 9 that were not identifiable by Braille.

For more detailed information of the bus stop issues, see the pink points in the Project Mapper App.

10.2.4 Parking

There was one instance of vehicles parked in the footway.

For more detailed information of the parking issues, see the blue points in the Project Mapper App.

10.2.5 Other

There were six issues identified as unsuitable for users with disabilities. These included four push buttons that weren't operating to full functionality and two instances of overgrown foliage blocking the path. For more detailed information of the other issues, see the red points in the Project Mapper App.

Of the 26 issues identified in this zone of the route, one was considered high severity, three were considered medium severity and 22 were considered low severity, as shown in Figure 10.4. Table 10.1 details the issues identified as high severity by Object ID, along with the Irish Transverse Mercator co-ordinates and a proposed solution to the issues. The remaining issues are listed in Appendix A.

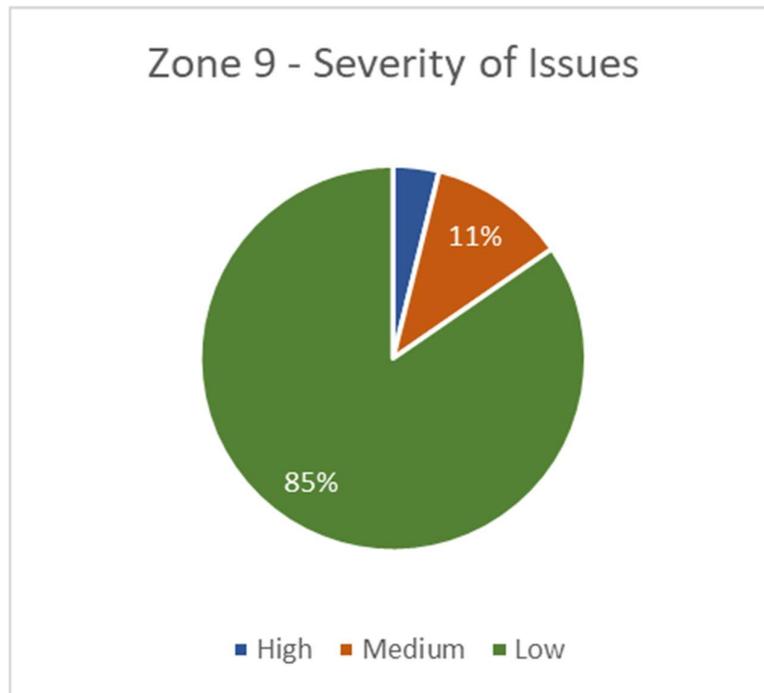


Figure 10.4: Severity of Issues Identified in Zone 9

Table 10.1: High Severity Issues in Zone 9

<p>1177 - No crossing facilities provided</p>
<p>This is located at the Swords Road/Shanrath Road junction. This is high severity as crossing requires unreasonable diversion, making it inaccessible for those with reduced mobility.</p>

<p>716770, 738943</p>
<p>Solution: Provide crossing facilities.</p>

11. Zone 10 – Whitehall Holychild Church to Bonnington Hotel

11.1 Description of Zone

This section of the route includes the road network along Swords Road between Whitehall Holychild Church and the Bonnington Hotel. Figure 11.1 shows this section of the route.



Figure 11.1: Map of Zone 10

To date, the community has been consulted on potential design layouts for the length of the route. Below is a list of the points and opinions raised by members of the public at the community consultation that relate to Zone 10 of the route:

- There are concerns about island bus stops not being pedestrian friendly, particularly for people with disabilities.

Appendix B shows the main attractors and generators of the entire route. Zone 10 of the Swords scheme is shown in map 6 and map 7. There are two buildings of significance identified from the Prime 2 data within the vicinity of this section of the route. These are:

- Highfield Hospital
- Plunket College of Further Education

These buildings are all considered to be places that are sensitive to disability design requirements and therefore access and facilities should be provided in the vicinity to make them easy to access for people with disabilities. There are likely to be other buildings in the area that require access for users with disabilities that are not identified in the Prime 2 study, which only identified prioritised buildings within 100m of the corridor.

Figure 11.2 shows the current bus stops along Zone 10 of the Swords scheme in the vicinity of the above listed buildings. It is considered that these bus stops currently service the buildings well.

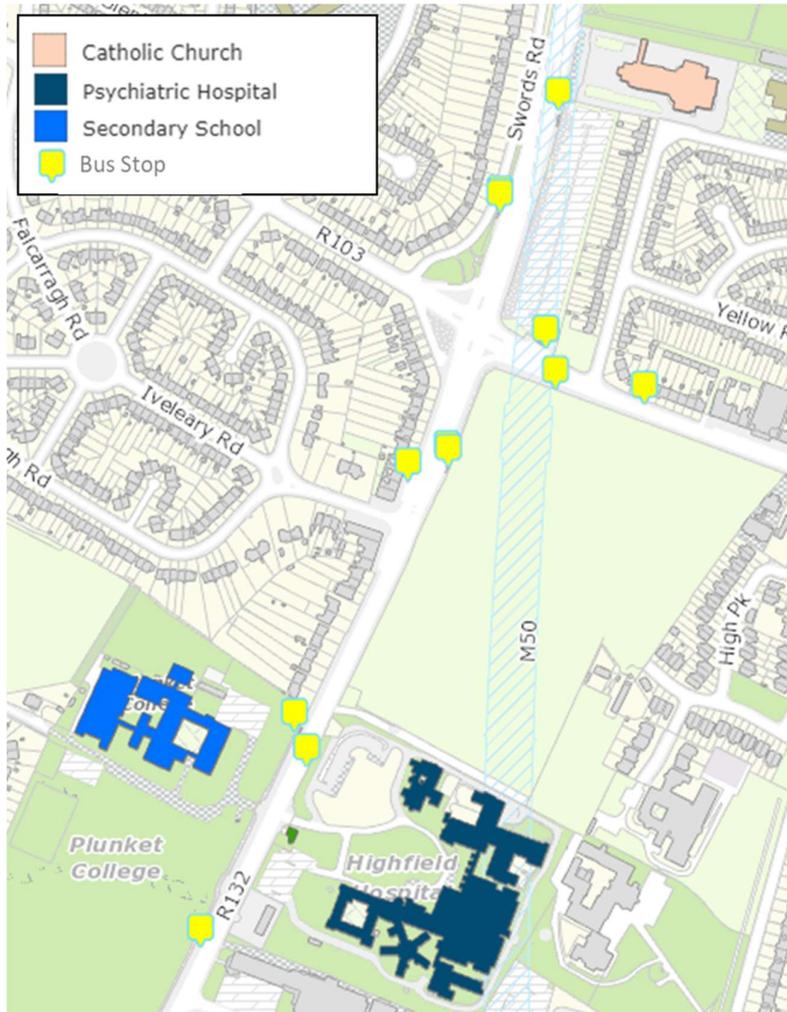


Figure 11.2: Prime2 Buildings and Nearby Bus Stops

11.2 Problem Identification

There were 41 issues identified in Zone 10 of the Swords scheme. Figure 11.3 shows the types of issues identified.

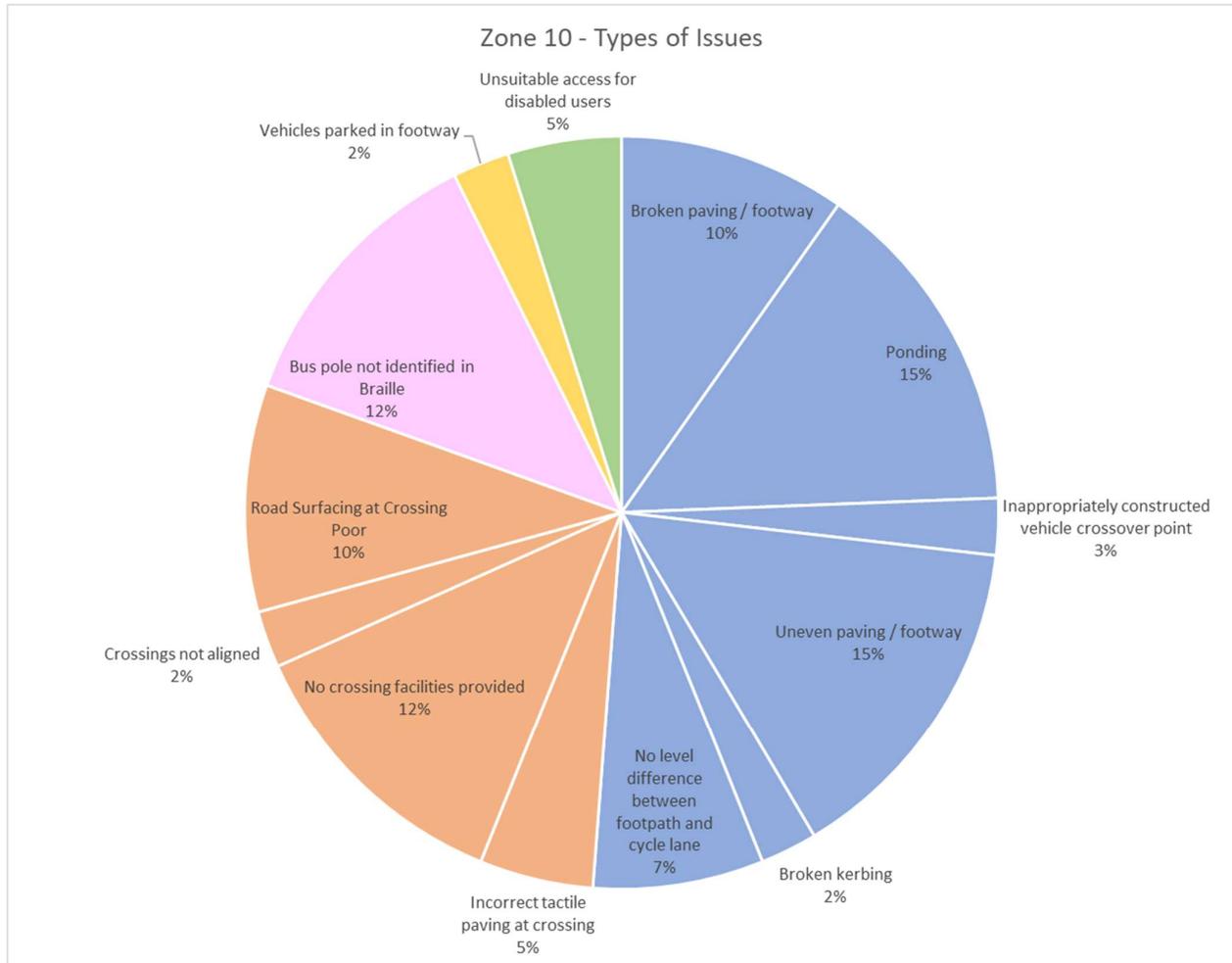


Figure 11.3: Zone 10 – breakdown of types of issues identified

11.2.1 Footpaths

More than half of the issues identified in zone 10 were related to the footpaths. 11 of these were due to uneven or broken footpath and kerbing. There were six instances of ponding, three instances of no level difference between a cycle path and footpath and one inappropriately constructed vehicle crossover point.

For more detailed information of the footpath issues, see the green points in the Project Mapper App.

11.2.2 Crossings / Junctions

12 of the 41 issues identified in zone 10 were related to the crossings and junctions. There were five crossings with no facilities provided, two crossings with incorrect tactile paving and one crossing that is not aligned. There were also four instances of poor road surfacing at a crossing.

There are four crossing or junction issues which are considered high severity – 1209, 1226, 1227 and 1228. These are discussed in Table 11.1.

For more detailed information of the crossings / junctions issues, see the orange points in the Project Mapper App.

11.2.3 Bus Stops

There were five bus stops in zone 10 that were not identifiable by Braille.

For more detailed information of the bus stop issues, see the pink points in the Project Mapper App.

11.2.4 Parking

There was one instance of vehicles parked in the footway.

For more detailed information of the parking issues, see the blue points in the Project Mapper App.

11.2.5 Other

There were two issues identified as unsuitable for disabled users. There was one instance of no tactile paving to indicate the start or end of a cycle lane and one instance of foliage overhanging the footpath.

For more detailed information of the other issues, see the red points in the Project Mapper App.

Of the 41 issues identified in this zone of the route, four were considered high severity, nine were considered medium severity and 28 were considered low severity, as shown in Figure 11.4. Table 11.1 details the issues identified as high severity by Object ID, along with the Irish Transverse Mercator co-ordinates and a proposed solution to the issues. The remaining issues are listed in Appendix A.

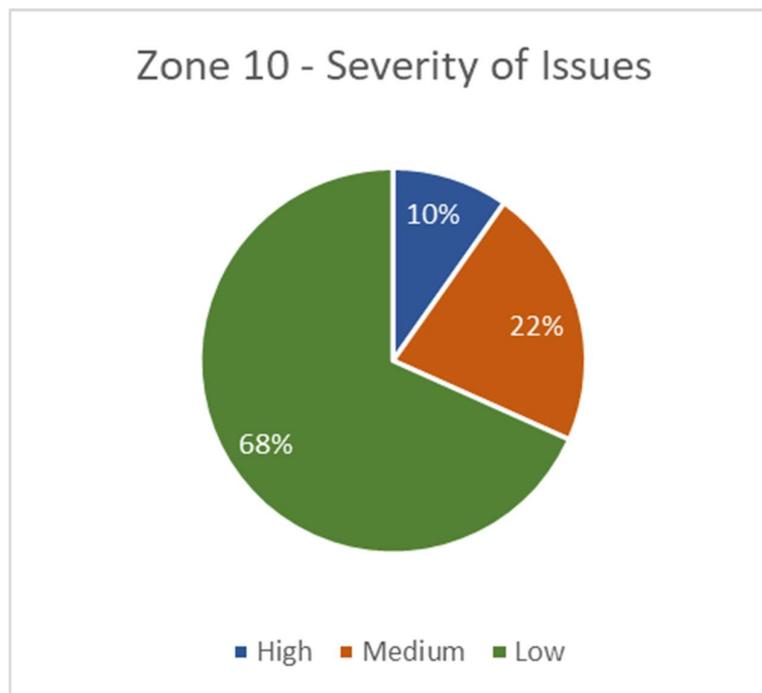
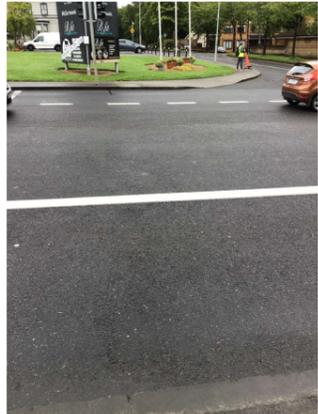


Figure 11.4: Severity of Issues Identified in Zone 10

Table 11.1: High Severity Issues in Zone 10

1209 - No crossing facilities provided	1226 - No crossing facilities provided	1227 - No crossing facilities provided	1228 - No crossing facilities provided
<p>This is located along the R132, at the junction with Iveragh Road. This is considered high severity as crossing requires unreasonable diversion, making it inaccessible.</p>	<p>This is located along the R132 at the entrance to the Bonnington Dublin Hotel. This is high severity as there is no alternative to crossing at this point, making it inaccessible.</p>	<p>This is located along the R132, at the junction with Seven Oaks. This is considered high severity as there is no alternative to crossing at this point, making it inaccessible.</p>	<p>This is located on the R132, south of the junction with Seven Oaks. This is high severity as there is no alternative to crossing at this point, making it inaccessible.</p>
			
<p>716722, 738211</p>	<p>716557, 737838</p>	<p>716562, 737812</p>	<p>716548, 737816</p>
<p>Solution: Provide crossing facilities.</p>	<p>Solution: Provide crossing facilities.</p>	<p>Solution: Provide crossing facilities.</p>	<p>Solution: Provide crossing facilities.</p>

12. Zone 11 – Bonnington Hotel to Clonturk Park

12.1 Description of Zone

This section of the route includes the road network along Drumcondra Road Upper between the Bonnington Hotel and Clonturk Park. Figure 12.1 shows this section of the route.



Figure 12.1: Map of Zone 11

To date, the community has been consulted on potential design layouts for the length of the route. Below is a list of the points and opinions raised by members of the public at the community consultation that relate to Zone 11 of the route:

- There are concerns about island bus stops not being pedestrian friendly, particularly for people with disabilities.
- The Drumcondra area is home to a school for visually impaired children, a home for elderly such adults and the NCBI training unit for those with visual impairments. Cross-over with cycle lanes and bus stops need to be adequately addressed.
- Submissions were made that noted that bus stop 85 on Drumcondra Road is used by elderly and infirm passengers and should be preserved.

Appendix B shows the main attractors and generators of the entire route. Zone 11 of the Swords scheme is shown in map 7. There are five buildings of significance identified from the Prime 2 data within the vicinity of this section of the route. These are:

- Fledglings Early Years Education & Care – Whitehall
- An Post Delivery Office Griffith Avenue
- Local Government Building
- Cregan Library, DCU St. Patrick's Campus
- DCU St. Patrick's Campus

These buildings are all considered to be places that are sensitive to disability design requirements and therefore access and facilities should be provided in the vicinity to make them easy to access for people with disabilities. There are likely to be other buildings in the area that require access for users with disabilities that are not identified in the Prime 2 study, which only identified prioritised buildings within 100m of the corridor.

Figure 12.2 shows the current bus stops along Zone 11 of the Swords scheme in the vicinity of the above listed buildings. It is considered that these bus stops currently service the buildings well.

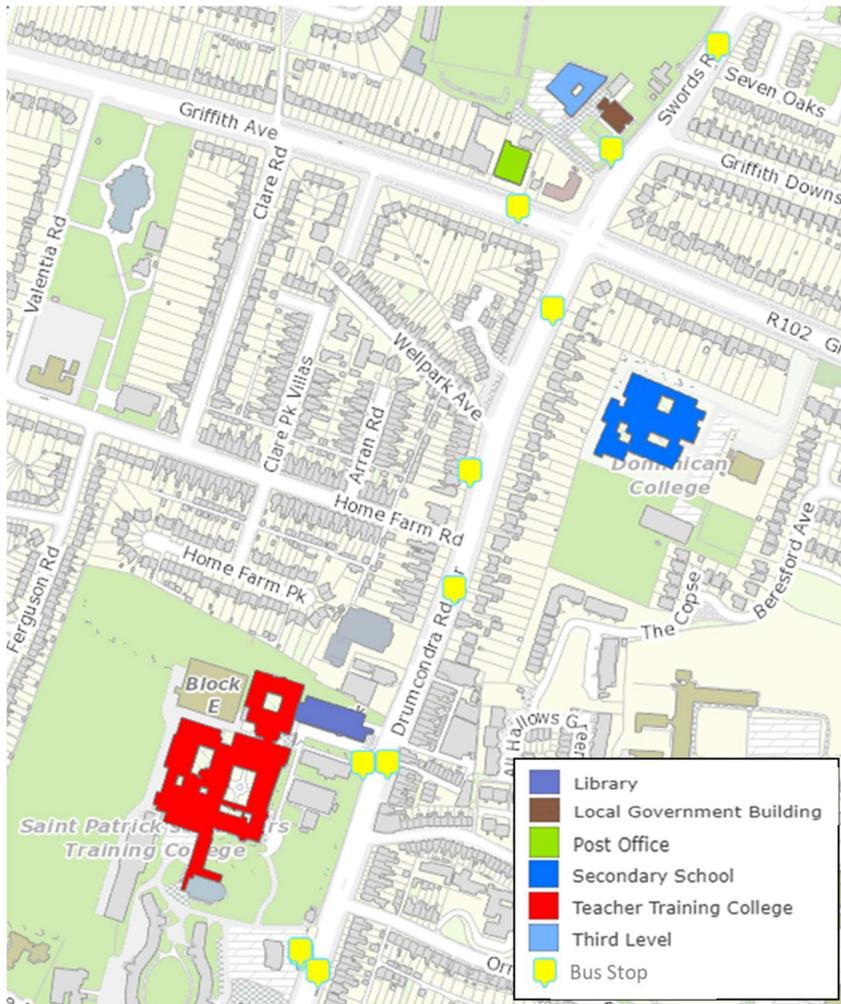


Figure 12.2: Prime2 Buildings and Nearby Bus Stops

12.2 Problem Identification

There were 71 issues identified in Zone 11 of the Swords scheme. Figure 12.3 shows the types of issues identified.

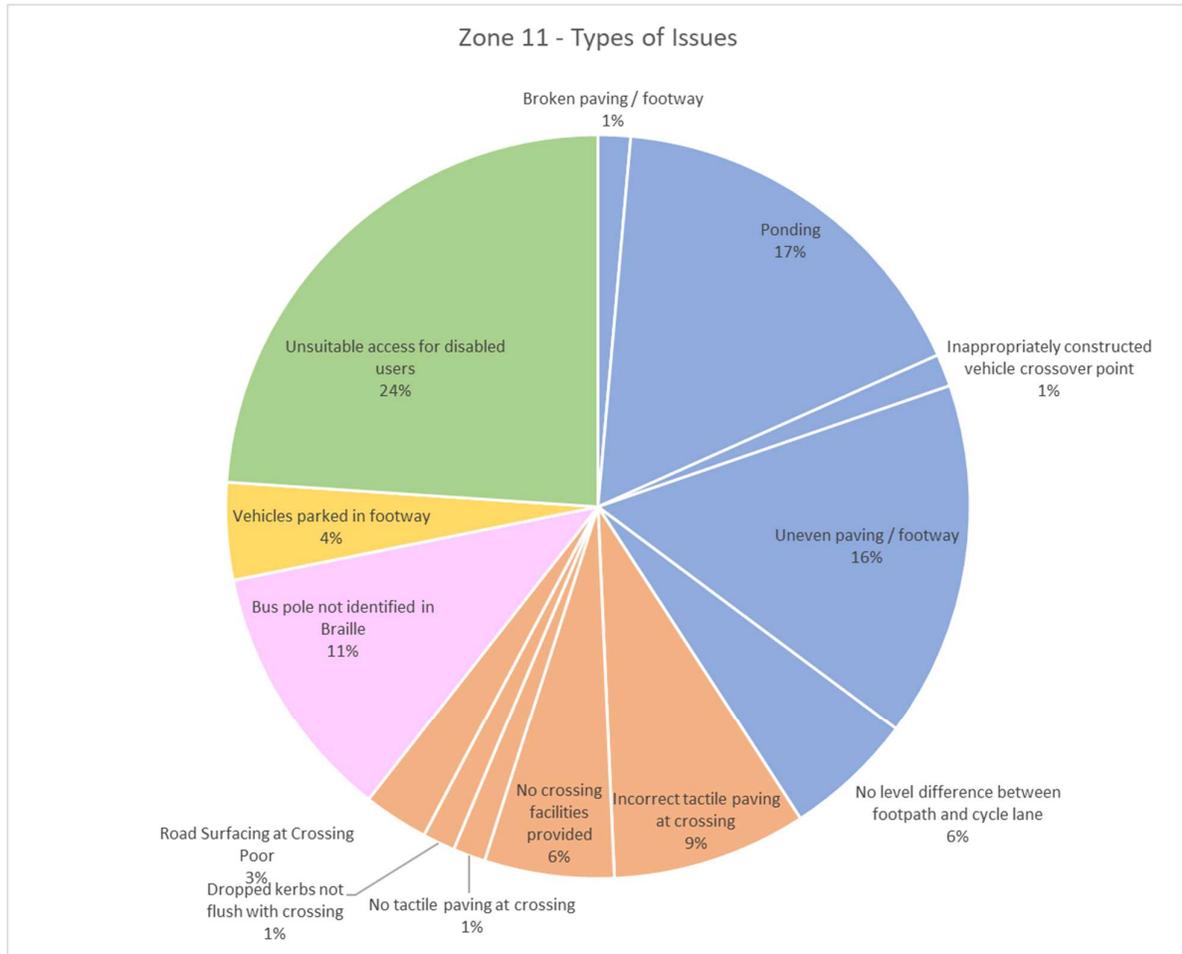


Figure 12.3: Zone 11 – breakdown of types of issues identified

12.2.1 Footpaths

There were 29 issues in zone 11 relating to the footpaths. These include 12 instances of uneven or broken paving and 12 instances of ponding. There were also four instances of no level difference between cycle path and footpath and one instance of an inappropriately constructed vehicle crossover point.

There are five footpath issue which is considered high severity – 1237, 1238, 1239, 1268 and 1277. This is discussed in Table 12.1.

For more detailed information of the footpath issues, see the green points in the Project Mapper App.

12.2.2 Crossings / Junctions

14 of the issues identified in this zone were related to the crossings and junctions. There were four crossings with no facilities provided, one crossing with no tactile paving and six crossings with incorrect tactile paving. There were also two crossings with poor road surfacing and one crossing with a dropped kerb not flush with the crossing.

There are four crossing or junction issues which are considered high severity – 1251, 1279, 1280 and 1289. These are discussed in Table 2.1.

For more detailed information of the crossings / junctions issues, see the orange points in the Project Mapper App.

12.2.3 Bus Stops

There were eight bus stops in zone 11 that were not identifiable by Braille.

For more detailed information of the bus stop issues, see the pink points in the Project Mapper App.

12.2.4 Parking

There were four instances of vehicles parked in the footway.

For more detailed information of the parking issues, see the blue points in the Project Mapper App.

12.2.5 Other

There were 17 issues identified as unsuitable for disabled users. These included four instances of foliage covering the path, eight instances of no tactile paving indicating the start or end of a cycle lane and five instances of push buttons not operating to full functionality. For more detailed information of the other issues, see the red points in the Project Mapper App.

Of the 71 issues identified in this zone of the route, nine were considered high severity, 16 were considered medium severity and 46 were considered low severity, as shown in Figure 12.4. Table 12.1 details the issues identified as high severity by Object ID, along with the Irish Transverse Mercator co-ordinates and a proposed solution to the issues. The remaining issues are listed in Appendix A.

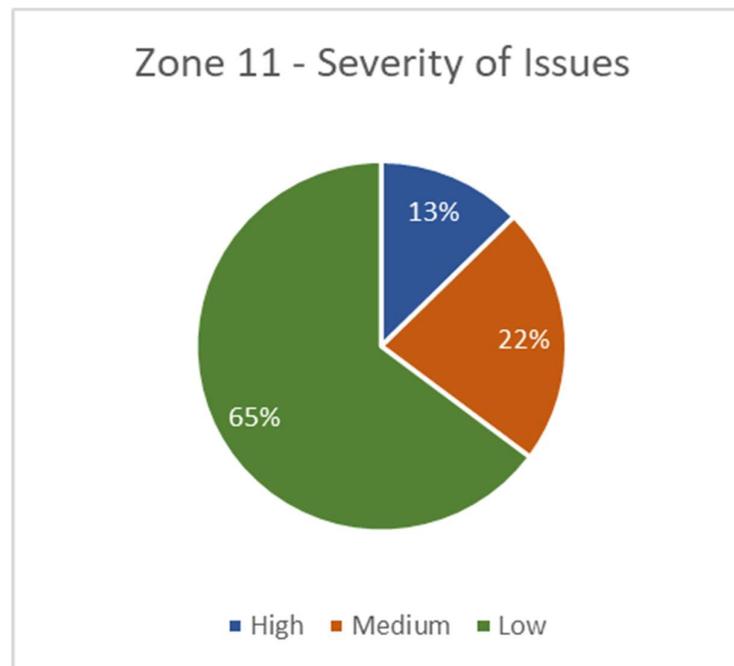


Figure 12.4: Severity of Issues Identified in Zone 11

Table 12.1: High Severity Issues in Zone 11

<p>1237 - Ponding</p>	<p>1238 - Uneven paving / footway</p>	<p>1239 - Ponding</p>	<p>1251 - No crossing facilities provided</p>
<p>This is located on the R132 (Drumcondra Road Upper), at the entrance to Home Farm Football Club. This is considered high severity as it presents a slip hazard for visually impaired pedestrians</p>	<p>This is located on the R132 (Drumcondra Road Upper) at the entrance to Home Farm Football Club. This is considered high severity as it presents a trips hazard for visually impaired pedestrians, or those with reduced mobility.</p>	<p>This is located on the R132 (Drumcondra Road Upper), south of the entrance to Home Farm Football Club. This is considered high severity as it presents a slip hazard for visually impaired pedestrians.</p>	<p>This is located at the junction of Drumcondra Road Upper and Griffith Avenue. It is considered high severity as there is no alternative to crossing at this point, making it inaccessible.</p>
			
<p>716441, 737666</p>	<p>716436, 737661</p>	<p>716429, 737652</p>	<p>716418, 737585</p>
<p>Solution: Improve drainage or resurface to prevent ponding.</p>	<p>Solution: Fix uneven paving to mitigate trip hazard.</p>	<p>Solution: Improve drainage or resurface to prevent ponding.</p>	<p>Solution: Provide crossing facilities.</p>
<p>1268 - Uneven paving / footway</p>	<p>1277 - Uneven paving / footway</p>	<p>1279 - No crossing facilities provided</p>	<p>1280 - No crossing facilities provided</p>
<p>This is located along Drumcondra Road Upper, south of Home Farm Road. This is high severity as it presents a trip hazard for visually impaired pedestrians.</p>	<p>This is located along Drumcondra Road Upper, north of Home Farm Road. This is considered high severity as it presents a trip hazard for visually impaired pedestrians and presents difficulty for those with reduced mobility.</p>	<p>This is located on Home Farm Road, at the junction with Drumcondra Road Upper. This is high severity as there is no alternative to crossing at this point, making it inaccessible.</p>	<p>This is located along Drumcondra Road Upper, at the junction with Home Farm Road. This is considered high severity as there is no alternative to crossing at this point, making it inaccessible.</p>
			
<p>716314, 737304</p>	<p>716318, 737389</p>	<p>716300, 737348</p>	<p>716303, 737334</p>
<p>Solution: Fix uneven paving to mitigate trip hazard.</p>	<p>Solution: Fix uneven paving to prevent trip hazard.</p>	<p>Solution: Provide crossing facilities.</p>	<p>Solution: Provide crossing facilities.</p>

1289 - Uneven paving / footway

This is located on Drumcondra Road Upper, outside Dublin City University. This is considered high severity as it presents a trip hazard for visually impaired pedestrians.



716231, 737155

Solution: Fix paving to mitigate trip hazard.

13. Zone 12 – Clonturk Park to North Circular Road

13.1 Description of Zone

This section of the route includes the road network along Drumcondra Road Upper, Drumcondra Road Lower and Dorset Street Lower. It spans between the junction of Drumcondra Road Upper and Clonturk Park and the junction of Dorset Street Lower and the North Circular Road. Figure 13.1 shows this section of the route.



Figure 13.1: Map of Zone 12

To date, the community has been consulted on potential design layouts for the length of the route. Below is a list of the points and opinions raised by members of the public at the community consultation that relate to Zone 12 of the route:

- There are concerns about island bus stops not being pedestrian friendly, particularly for people with disabilities.
- Drumcondra area is home to a school for visually impaired children, a home for elderly such adults and the NCBI training unit for those with visual impairments. Cross-over with cycle lanes and bus stops need to be adequately addressed.

Appendix B shows the main attractors and generators of the entire route. Zone 12 of the Swords scheme is shown in map 7 and map 8. There are four buildings of significance identified from the Prime 2 data within the vicinity of this section of the route. These are:

- Saint Patrick's Boys National School (Senior)
- Clonliffe College Seminary
- St. Francis Xavier Community Hall
- eBamma English language school

These buildings are all considered to be places that are sensitive to disability design requirements and therefore access and facilities should be provided in the vicinity to make them easy to access for people with disabilities. There are likely to be other buildings in the area that require access for users with disabilities that are not identified in the Prime 2 study, which only identified prioritised buildings within 100m of the corridor.

Figure 13.2 shows the current bus stops along Zone 12 of the Swords scheme in the vicinity of the above listed buildings. It is considered that these bus stops currently service the buildings well.



Figure 13.2: Prime2 Buildings and Nearby Bus Stops

13.2 Problem Identification

There were 79 issues identified in Zone 12 of the Swords scheme. Figure 13.3 shows the types of issues identified.

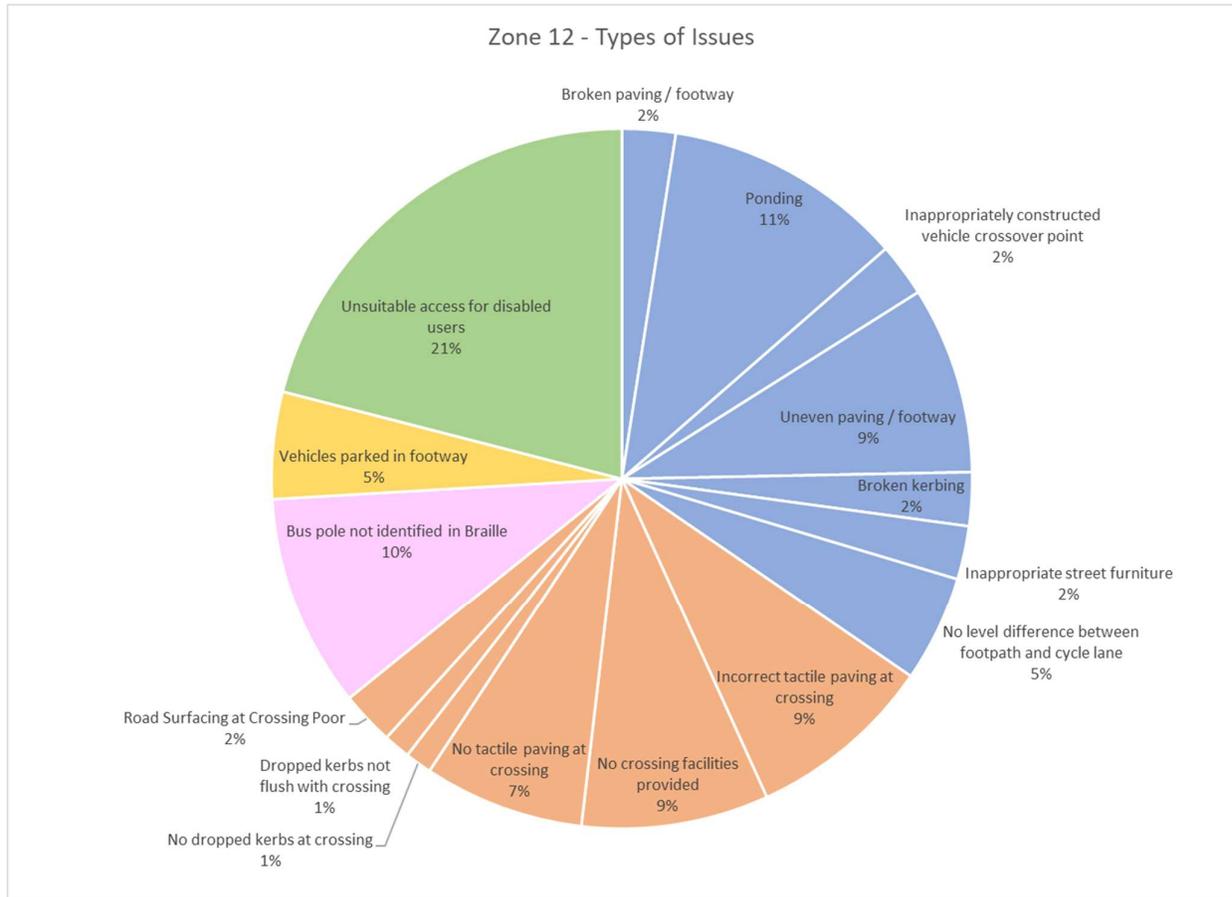


Figure 13.3: Zone 12 – breakdown of types of issues identified

13.2.1 Footpaths

There were 28 issues identified in zone 12 that were related to the footpaths. There were 11 involving broken or uneven paving and kerbing. There were nine instances of ponding and four instances of no level difference between the cycle path and footpath. There were also two inappropriately constructed vehicle crossover points and two cases of inappropriate street furniture.

There are four footpath issues which are considered high severity – 1305, 1307, 1331 and 1356. These are discussed in Table 13.1.

For more detailed information of the footpath issues, see the green points in the Project Mapper App.

13.2.2 Crossings / Junctions

24 of the issues identified in zone 12 were related to the crossings and junctions. There were seven crossings with no facilities provided, six crossings with no tactile paving and seven crossings with incorrect tactile paving. There was also one crossing with no dropped kerb, one crossing where the dropped kerb was not flush with the crossing and two crossings with poor road surfacing.

There are eight crossing or junction issues which are considered high severity – 1310, 1316, 1319, 1320, 1331, 1344, 1361 and 1362. These are discussed in Table 13.1.

For more detailed information of the crossings / junctions issues, see the orange points in the Project Mapper App.

13.2.3 Bus Stops

There were eight bus stops in zone 12 that were not identifiable by Braille.

For more detailed information of the bus stop issues, see the pink points in the Project Mapper App.

13.2.4 Parking

There were four instances of vehicles parked in the footway.

There is one parking issue which is considered high severity – 1363. This is discussed in Table 13.1.

For more detailed information of the parking issues, see the blue points in the Project Mapper App.

13.2.5 Other

There were 15 issues identified as unsuitable access for disabled users. These included nine push buttons that were not operating at full functionality, three instances of no tactile paving to indicate the end of a cycle lane or where the path crosses a cycle lane and two instances of leakage from a bridge creating slippage risk.

There is one other issue which is considered high severity – 1368. This is discussed in Table 13.1.

For more detailed information of the other issues, see the red points in the Project Mapper App.

Of the 79 issues identified in this zone of the route, 14 were considered high severity, 24 were considered medium severity and 41 were considered low severity, as shown in Figure 13.4. Table 13.1 details the issues identified as high severity by Object ID, along with the Irish Transverse Mercator co-ordinates and a proposed solution to the issues. The remaining issues are listed in Appendix A.

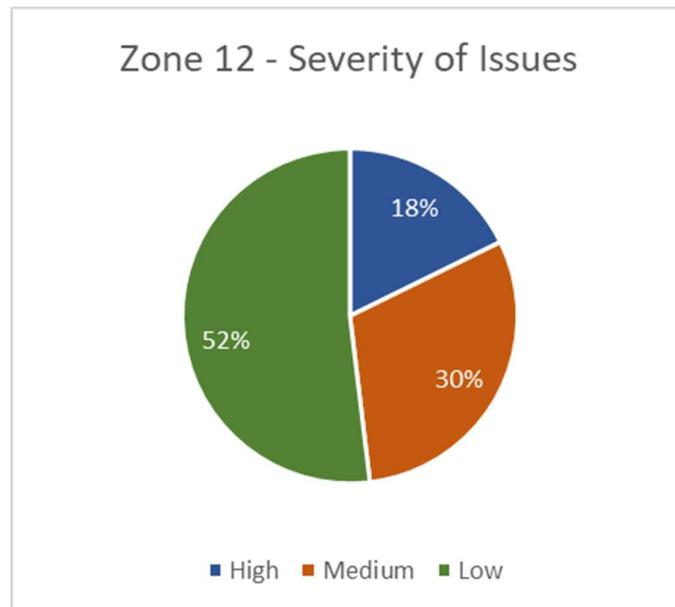


Figure 13.4: Severity of Issues Identified in Zone 12

Table 13.1: High Severity Issues in Zone 12

1305 - Uneven paving / footway	1307 - Uneven paving / footway	1310 - No crossing facilities provided	1316 - No crossing facilities provided
<p>This is located along Drumcondra Road Upper. It is considered high severity as it presents a trip hazard to visually impaired pedestrians. It also presents difficulty for those with reduced mobility.</p>	<p>This is located along the retail units on Drumcondra Road Upper, north of Richmond Road. This is considered high severity as it presents a trip hazard for visually impaired pedestrians and presents difficulty for those with reduced mobility.</p>	<p>This is located along Drumcondra Road Upper, next to Hanlon & Co Solicitors. This is considered high severity as there is no alternative to crossing at this point, making it inaccessible. It also allows visually impaired pedestrians to dangerously veer onto the carriageway.</p>	<p>This is located on Millmount Avenue, off Drumcondra Road Upper. This is high severity as there is no alternative to crossing at this point, making it inaccessible. It also allows visually impaired pedestrians to dangerously veer onto the carriageway.</p>
			
<p>716167, 736876</p>	<p>716154, 736839</p>	<p>716134, 736810</p>	<p>716115, 736821</p>
<p>Solution: Fix paving to mitigate trip hazard.</p>	<p>Solution: Fix paving to mitigate trip hazard.</p>	<p>Solution: Provide crossing facilities.</p>	<p>Solution: Provide crossing facilities.</p>
1319 - No crossing facilities provided	1320 - No crossing facilities provided	1331 - Inappropriately constructed vehicle crossover point	1331 - No dropped kerbs at crossing
<p>This is located along Drumcondra Road Lower, at Cian Park. This is high severity as there is no alternative to crossing at this point, making it inaccessible.</p>	<p>This is located along Drumcondra Road Lower, at Botanic Avenue. This is considered high severity as there is no alternative to crossing at this point, making it inaccessible.</p>	<p>This is located along Drumcondra Road Lower, north of Hollybank Road. This is high severity as there is uneven paving presenting a trip hazard to visually impaired pedestrians.</p>	<p>This is located along Drumcondra Road Lower, north of Hollybank Road. This is high severity as it presents a trip hazard for visually impaired pedestrians, and difficulty for those with reduced mobility.</p>
			
<p>716098, 736704</p>	<p>716091, 736690</p>	<p>716115, 736619</p>	<p>716115, 736619</p>
<p>Solution: Provide crossing facilities.</p>	<p>Solution: Provide crossing facilities.</p>	<p>Solution: Raise the driveway to provide a continuous path, or provide dropped kerbs with tactile paving.</p>	<p>Solution: Provide dropped kerbing at crossing point,</p>

<p>1344 - Road Surfacing at Crossing Poor</p>	<p>1356 - Inappropriate street furniture</p>	<p>1361 - Incorrect tactile paving at crossing</p>	<p>1362 - No tactile paving at crossing</p>
<p>This is located along Drumcondra Road Lower, opposite St Alphonsus' Road Lower. This is high severity as it presents a trip hazard for visually impaired pedestrians, and difficulty for those with reduced mobility.</p>	<p>This is located along Drumcondra Road Lower, north of Carlingford Road. This is high severity as it presents a trip hazard for visually impaired pedestrians.</p>	<p>This is located along Drumcondra Road Lower, at Whitworth Road junction. This is high severity as visually impaired pedestrians are unaware of crossing and may veer onto carriageway.</p>	<p>This is located along Drumcondra Road Lower, at Whitworth Place. This is high severity as visually impaired pedestrians are unaware of crossing and may cross when not safe to do so.</p>
			
<p>716019, 736311</p>	<p>716077, 736545</p>	<p>715868, 736034</p>	<p>715864, 736026</p>
<p>Solution: Fix road surface and provide crossing facilities.</p>	<p>Solution: Relocate street furniture.</p>	<p>Solution: Provide correct tactile paving.</p>	<p>Solution: Provide correct tactile paving at crossing.</p>
<p>1363 - Vehicles parked in footway</p>	<p>1368 - Unsuitable access for disabled users</p>		
<p>This is located along Drumcondra Road Lower, north of Whitworth Place. This is high severity as it makes the path inaccessible for people using wheelchairs or walking aids.</p>	<p>This is located along Drumcondra Road Lower, at the junction with R131. This is high severity as the push button does not pulse for visually impaired or deaf pedestrians, making it inaccessible.</p>		
			
<p>715872, 736036</p>	<p>715949, 736207</p>		
<p>Solution: Enforce no parking on footpaths in this area.</p>	<p>Solution: Fix push button.</p>		

14. Zone 13 – North Circular Road to Granby Row

14.1 Description of Zone

This section of the route includes the road network along Dorset Street Lower and Dorset Street Upper. It spans between the junction of Dorset Street Lower and the North Circular Road and the junction of Dorset Street Upper and Granby Row. Figure 14.1 shows this section of the route.

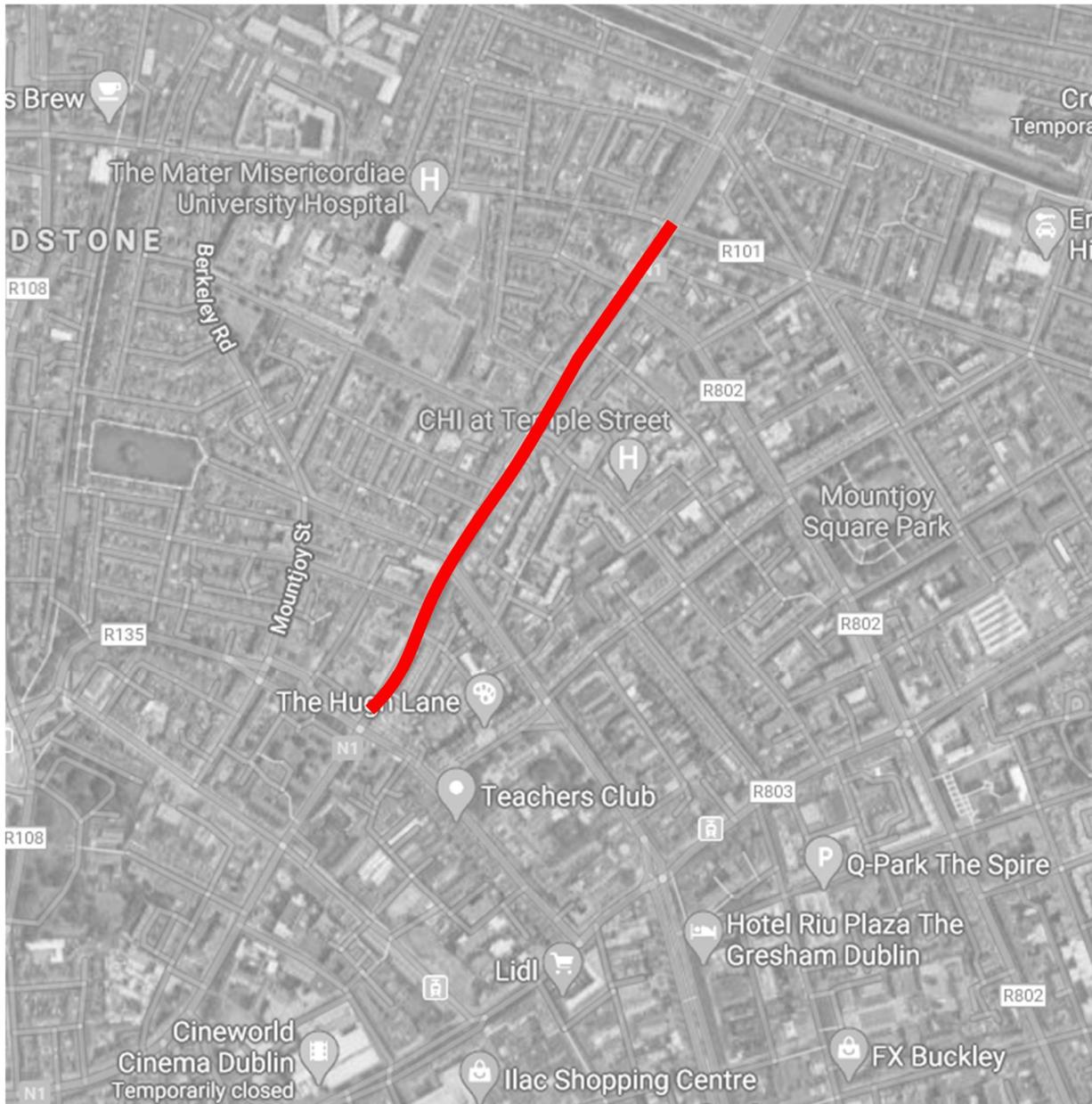


Figure 14.1: Map of Zone 13

To date, the community has been consulted on potential design layouts for the length of the route. Below is a list of the points and opinions raised by members of the public at the community consultation that relate to Zone 13 of the route:

- There are concerns about island bus stops not being pedestrian friendly, particularly for people with disabilities.

Appendix B shows the main attractors and generators of the entire route. Zone 13 of the Swords scheme is shown in map 8 and map 9. There are seven buildings of significance identified from the Prime 2 data within the vicinity of this section of the route. These are:

- Mater Private Hospital
- The Poynton SpineCare Institute
- Belvedere College S.J.
- Crosscare St. Mary's
- Abbey Presbyterian Church
- Dublin Writers Museum
- The Pathways Centre

These buildings are all considered to be places that are sensitive to disability design requirements and therefore access and facilities should be provided in the vicinity to make them easy to access for people with disabilities. There are likely to be other buildings in the area that require access for users with disabilities that are not identified in the Prime 2 study, which only identified prioritised buildings within 100m of the corridor. Some buildings are also close to SR 1 due to their proximity to multiple zones, so are included in section 15.1 also.

Figure 14.2 shows the current bus stops along Zone 13 of the Swords scheme in the vicinity of the above listed buildings. It is considered that these bus stops currently service the buildings well. However, when the locations of bus stops are being investigated, providing one closer to Crosscare St Mary's should be considered.

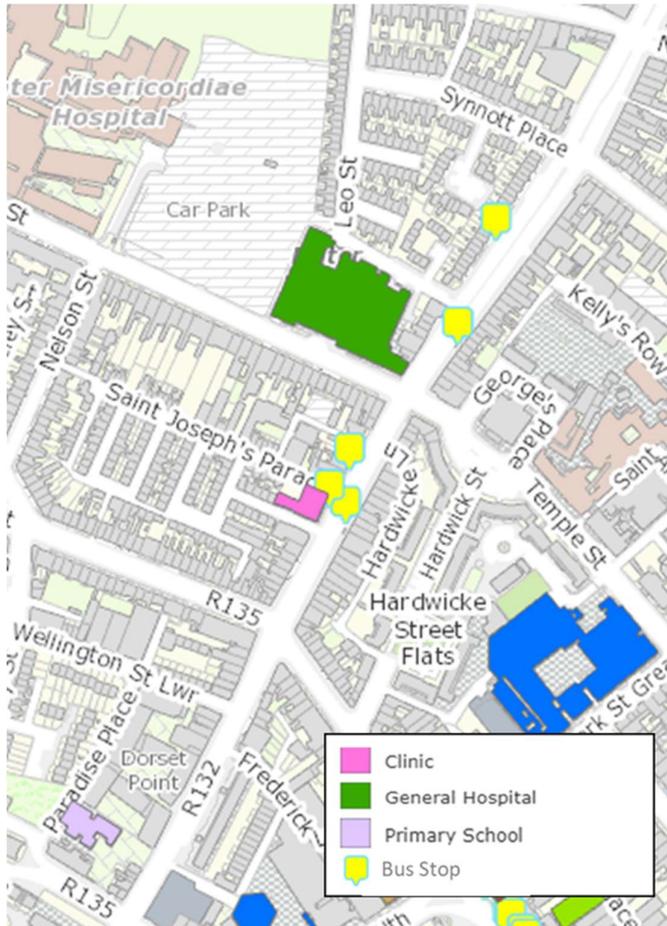


Figure 14.2: Prime2 Buildings and Nearby Bus Stops

14.2 Problem Identification

There were 39 issues identified in Zone 13 of the Swords scheme. Figure 14.3 shows the types of issues identified.

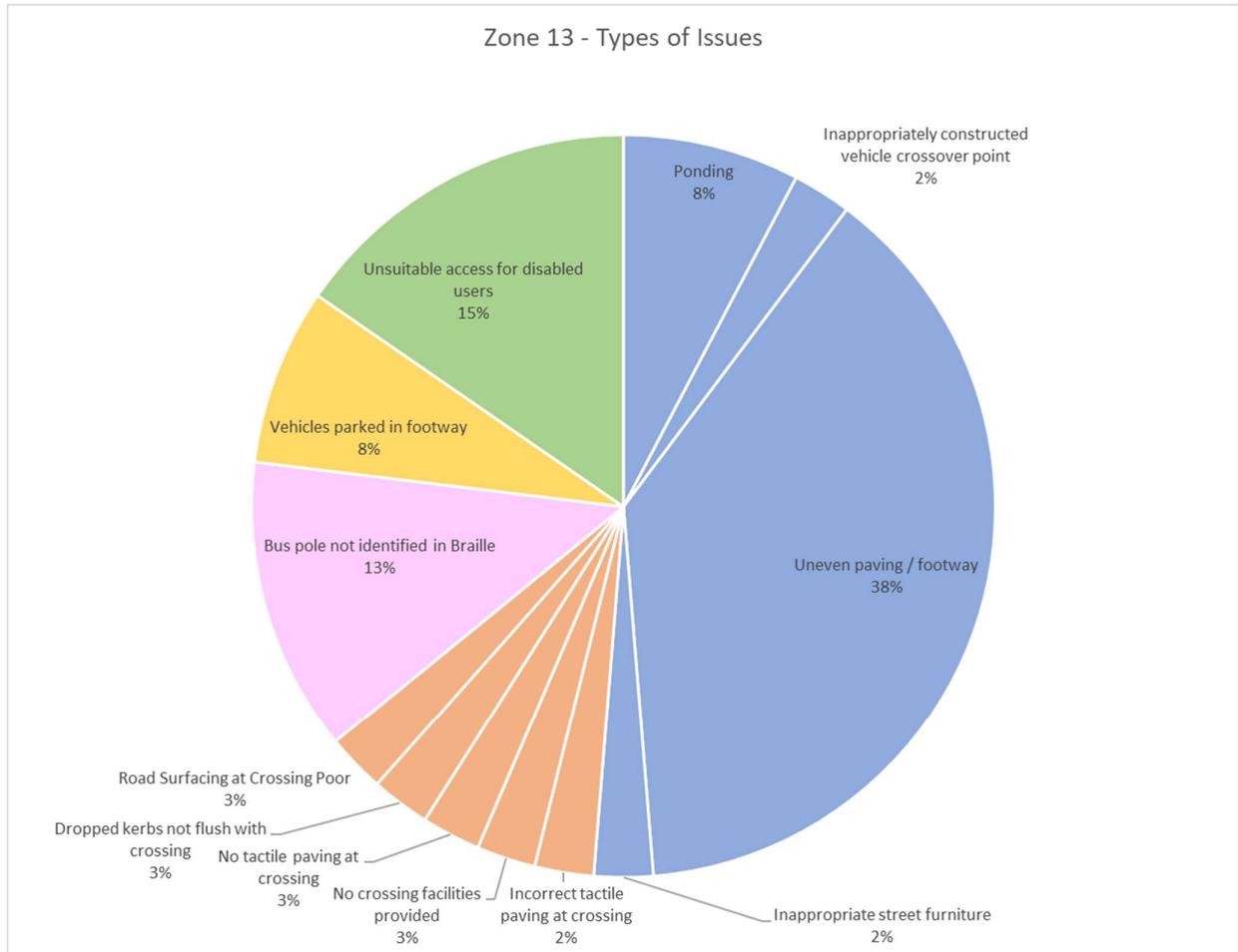


Figure 14.3: Zone 13 – breakdown of types of issues identified

14.2.1 Footpaths

More than half of the issues identified in zone 13 were related to the footpaths. The 20 footpath issues included 15 instances of uneven paving, three instances of ponding, one inappropriately constructed vehicle crossover point and one instance of inappropriately placed street furniture.

There are two footpath issues which are considered high severity – 1394 and 1453. These are discussed in Table 14.1.

For more detailed information of the footpath issues, see the green points in the Project Mapper App.

14.2.2 Crossings / Junctions

Five of the issues found in zone 13 were related to the crossings and junctions. There was one crossing with no facilities provided, one crossing with no tactile paving and one crossing with incorrect tactile paving. There was also one dropped kerb not flush with the crossing and one crossing with poor road surfacing.

There is one crossing or junction issue which is considered high severity – 1376. This is discussed in Table 14.1.

For more detailed information of the crossings / junctions issues, see the orange points in the Project Mapper App.

14.2.3 Bus Stops

There were five bus stops in zone 13 that were not identifiable by Braille.

For more detailed information of the bus stop issues, see the pink points in the Project Mapper App.

14.2.4 Parking

There were three instances of vehicles parked in the footway.

For more detailed information of the parking issues, see the blue points in the Project Mapper App.

14.2.5 Other

There were six other issues identified as unsuitable for disabled users. These included five push buttons not operating at full functionality and one crossing which had an inappropriately long wait for a green man.

For more detailed information of the other issues, see the red points in the Project Mapper App.

Of the 39 issues identified in this zone of the route, three were considered high severity, 11 were considered medium severity and 25 were considered low severity, as shown in Figure 14.4. Table 14.1 details the issues identified as high severity by Object ID, along with the Irish Transverse Mercator co-ordinates and a proposed solution to the issues. The remaining issues are listed in Appendix A.

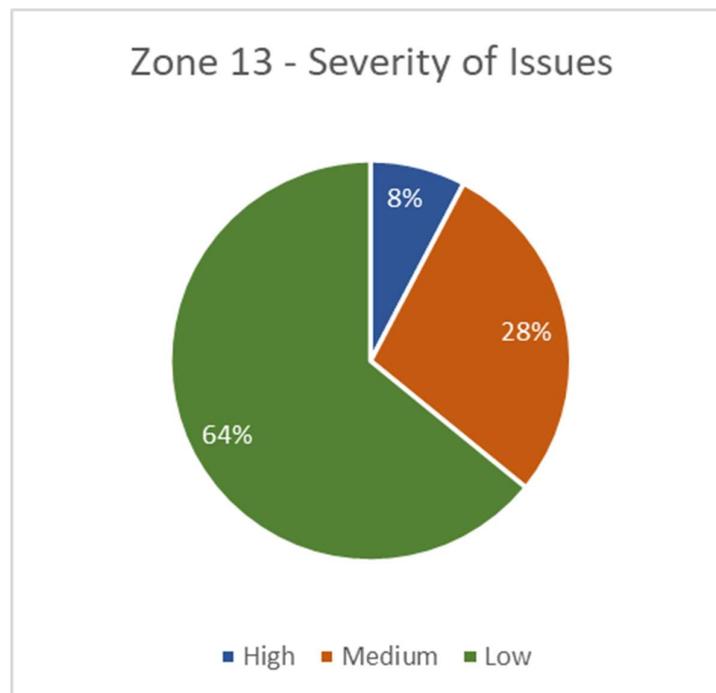


Figure 14.4: Severity of Issues Identified in Zone 13

Table 14.1: High Severity Issues in Zone 13

1376 - No crossing facilities provided	1394 - Uneven paving / footway	1453 - Uneven paving / footway
<p>This is located along Dorset Street Lower, at the junction with Synnott Place. This is considered high severity as crossing requires unreasonable diversion, making it inaccessible.</p>	<p>This is located along Dorset Street Lower, north of Ruco café. This is high severity as it presents a trip hazard for visually impaired pedestrians, and difficulty for those with reduced mobility.</p>	<p>This is located along Dorset Street Upper, outside Maye's pub. This is considered high severity as it presents a trip hazard for visually impaired pedestrians, and difficulty for those with reduced mobility.</p>
		
<p>715688, 735743</p>	<p>715590, 735581</p>	<p>715477, 735376</p>
<p>Solution: Provide crossing facilities.</p>	<p>Solution: Fix paving to mitigate trip hazard.</p>	<p>Solution: Fix paving to mitigate trip hazard.</p>

15. SR 1 – Dorset Street Upper to Parnell Street

15.1 Description of Zone

This section of the route includes the road network along Frederick Street North, Parnell Square East and Cavendish Row between Dorset Street Upper and Parnell Street. It also includes the road network along Granby Row and Parnell Square West between Dorset Street Upper and Parnell Street. Figure 15.1 shows this section of the route.



Figure 15.1: Map of SR 1

To date, the community has been consulted on potential design layouts for the length of the route. Below is a list of the points and opinions raised by members of the public at the community consultation that relate to SR 1 of the route:

- There are concerns about island bus stops not being pedestrian friendly, particularly for people with disabilities.

Appendix B shows the main attractors and generators of the entire route. SR 1 of the Swords scheme is shown in map 9. There are eleven buildings of significance identified from the Prime 2 data within the vicinity of this section of the route. These are:

- Belvedere College S.J.
- Abbey Presbyterian Church
- Dublin Writers Museum
- Office of the Director of Corporate Enforcement
- Competition Authority
- An Post Rutland Place
- Gaelscoil Choláiste Mhuire
- Rotunda Hospital
- AIB Bank Parnell Street
- Crosscare St. Mary's
- The Pathways Centre

These buildings are all considered to be places that are sensitive to disability design requirements and therefore access and facilities should be provided in the vicinity to make them easy to access for people with disabilities. There are likely to be other buildings in the area that require access for users with disabilities that are not identified in the Prime 2 study, which only identified prioritised buildings within 100m of the corridor. Some buildings are also close to Zone 13 due to their proximity to multiple zones, so are included in section 14.1 also.

Figure 15.2 shows the current bus stops along Zone SR 1 of the Swords scheme in the vicinity of the above listed buildings. It is considered that these bus stops currently service the buildings well.

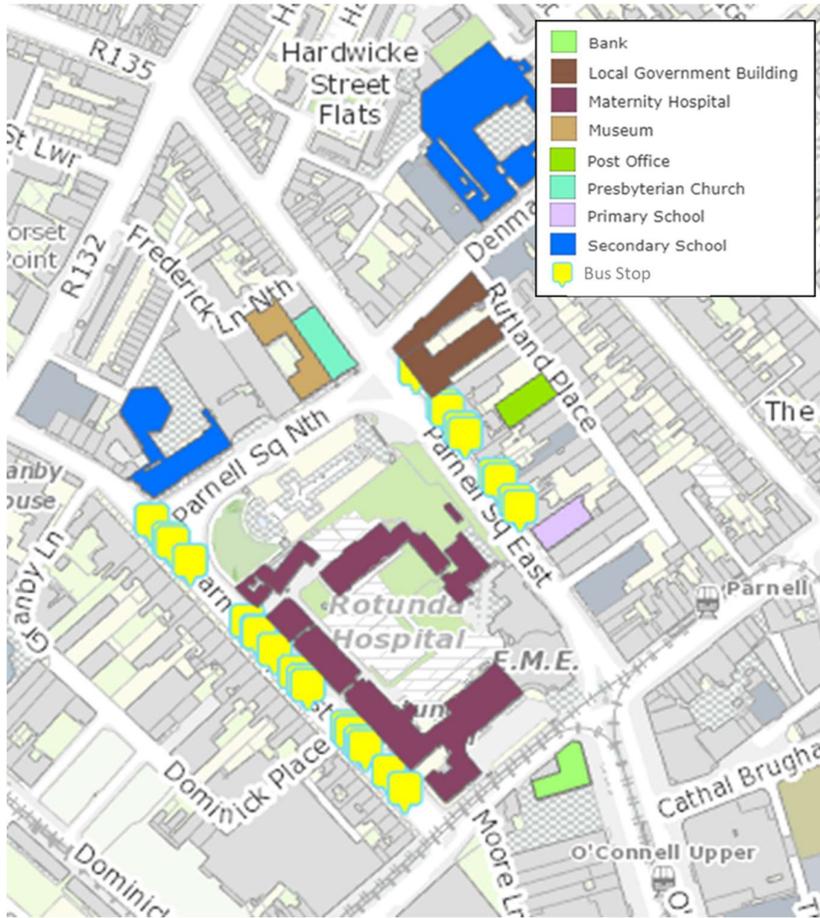


Figure 15.2: Prime2 Buildings and Nearby Bus Stops

15.2 Problem Identification

There were 35 issues identified in Zone SR 1 of the Swords scheme. Figure 15.3 shows the types of issues identified.

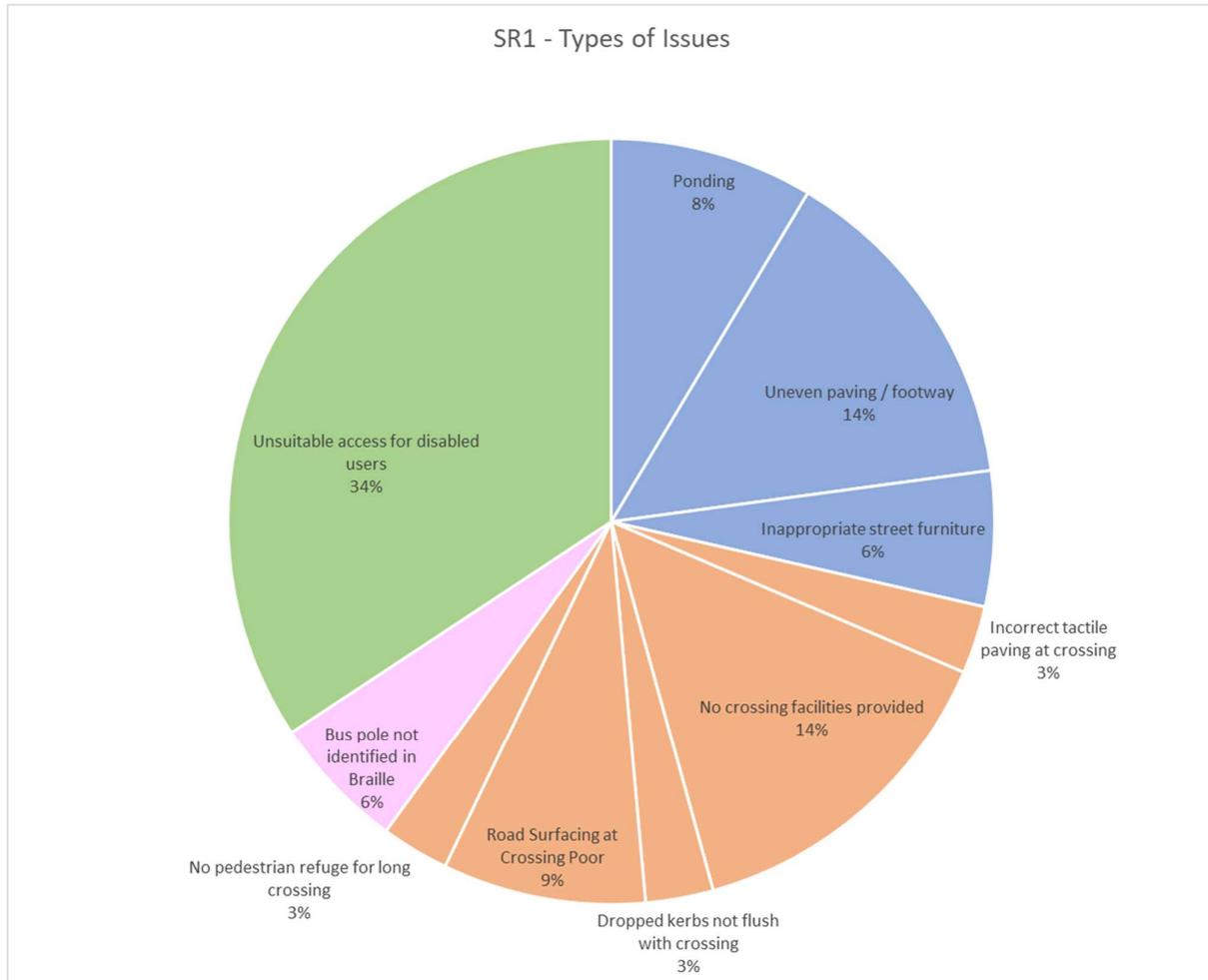


Figure 15.3: Zone SR 1 – breakdown of types of issues identified

15.2.1 Footpaths

Ten of the issues identified in sub route 1 were related to the footpaths. These include five instances of uneven paving, three instances of paving and two pieces of inappropriate street furniture.

For more detailed information of the footpath issues, see the green points in the Project Mapper App.

15.2.2 Crossings / Junctions

There were 11 issues identified relating to the crossings and junctions in sub route 1. These included five crossings with no facilities provided and one crossing with incorrect tactile paving. There was also three crossings with poor road surfacing, one dropped kerb not flush with the crossing and one long crossing with no pedestrian refuge.

There are five crossing or junction issues which are considered high severity – 1414, 1439, 1441, 1443 and 1446. These are discussed in Table 15.1.

For more detailed information of the crossings / junctions issues, see the orange points in the Project Mapper App.

15.2.3 Bus Stops

12 of the issues identified were classified as unsuitable access for disabled users. These included nine push buttons not operating at full functionality, two instances of foliage overhanging the footpath and one bus stop with not enough landing space for users of the footpath to pass people waiting for a bus.

There were two bus stops in sub route 1 that were not identifiable by Braille.

For more detailed information of the bus stop issues, see the pink points in the Project Mapper App.

15.2.4 Other

The remaining issues identified as unsuitable for users with disabilities included nine push buttons not working to full functionality, two instances of overhanging foliage and one instance of a bus stop with not enough landing space for the number of pedestrians waiting for the bus.

For more detailed information of the other issues, see the red points in the Project Mapper App.

Of the 35 issues identified in this zone of the route, five were considered high severity, six were considered medium severity and 24 were considered low severity, as shown in Figure 15.4. Table 15.1 details the issues identified as high severity by Object ID, along with the Irish Transverse Mercator co-ordinates and a proposed solution to the issues. The remaining issues are listed in Appendix A.

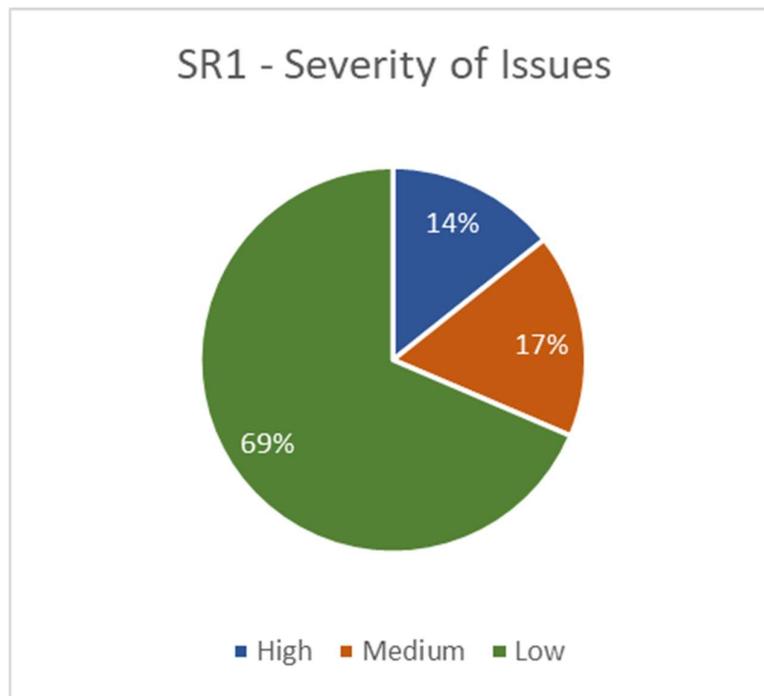


Figure 15.4: Severity of Issues Identified in Zone SR 1

Table 15.1: High Severity Issues in Zone SR 1

1414 - No crossing facilities provided	1439 - No crossing facilities provided	1441 - No crossing facilities provided	1443 - No crossing facilities provided
<p>This is located on Frederick Street North. This is high severity as there is no alternative to crossing at this point, making it inaccessible.</p>	<p>This is located on Parnell Square West, opposite Rotunda Hospital. This is high severity as there is no alternative to crossing at this point, making it inaccessible.</p>	<p>This is located on Parnell Square West, at the junction with Parnell Square North. This is high severity as crossing requires unreasonable diversion, making it inaccessible.</p>	<p>This is located on Parnell Square North. This is high severity as there is no alternative to crossing at this point, making it inaccessible.</p>
			
<p>715516, 735312</p>	<p>715581, 734989</p>	<p>715481, 735092</p>	<p>715493, 735122</p>
<p>Solution: Provide crossing facilities. Tighten Junction</p>			
<p>Solution: Provide crossing facilities.</p>		<p>Solution: Provide crossing facilities.</p>	
1446 - No crossing facilities provided			
<p>This is located on Granby Row, at Granby Lane. This is high severity as there is no alternative to crossing at this point, making it inaccessible.</p>			
			
<p>715425, 735143</p>			
1446 - No crossing facilities provided			
<p>Solution: Provide crossing facilities.</p>			

16. Scheme Wide Accessibility Design Considerations and Recommendations

The *Preliminary Design Guidance Booklet for BusConnects Core Bus Corridors* outlines the standards and guidelines to be used in the design of the bus corridors within the BusConnects project.

This audit should be read in conjunction with the *Preliminary Design Guidance Booklet for BusConnects Core Bus Corridors* to compare the standards and guidelines used for this project to the current infrastructure. The following sections summarise the design guidance to be followed.

16.1 Footpaths

As per the National Disability Authority's *Building for Everyone: A Universal Design Approach*, the recommended footpath width is 2m to allow for wheelchair users, with a 1.2m minimum at pinch points restricted to a 2m length of path. Figure 16.1 from Part 1 of the guidelines, shown below, illustrates this. It is recommended that footpaths throughout the scheme meet the 2m requirement where possible.

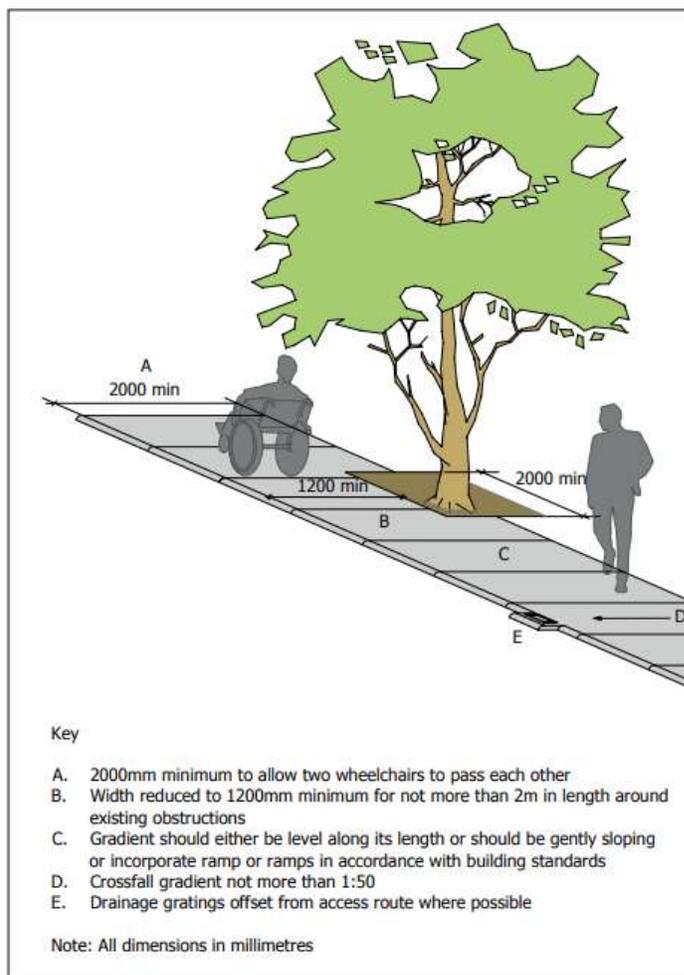


Figure 16.1: Urban Environment Pavement Layout (Note: Extracted from NDA *Building for Everyone: A Universal Design Approach*)

It is important to consider potential reductions in footpath width due to overhang or low-lying vegetation. It is recommended that any new trees are planted 3m away from the footpath and for any existing trees and vegetation to be trimmed as required on a regular basis.

Multiple sections of the footpaths and the kerbs along the Swords scheme have been identified as trip hazards due to cracked surfaces or uneven paving. It is advised that these sections of paving are corrected if they are to remain as part of the scheme.

Instances of shared paths for pedestrians and cyclists should be considered carefully. Where they begin or end, tactile paving is required to warn of the adjacent cycleway. Grade separation should also be provided between the two paths in such a way as to not create a trip hazard. Consideration to the interaction of cyclists and pedestrians at junctions should also be part of the design process.

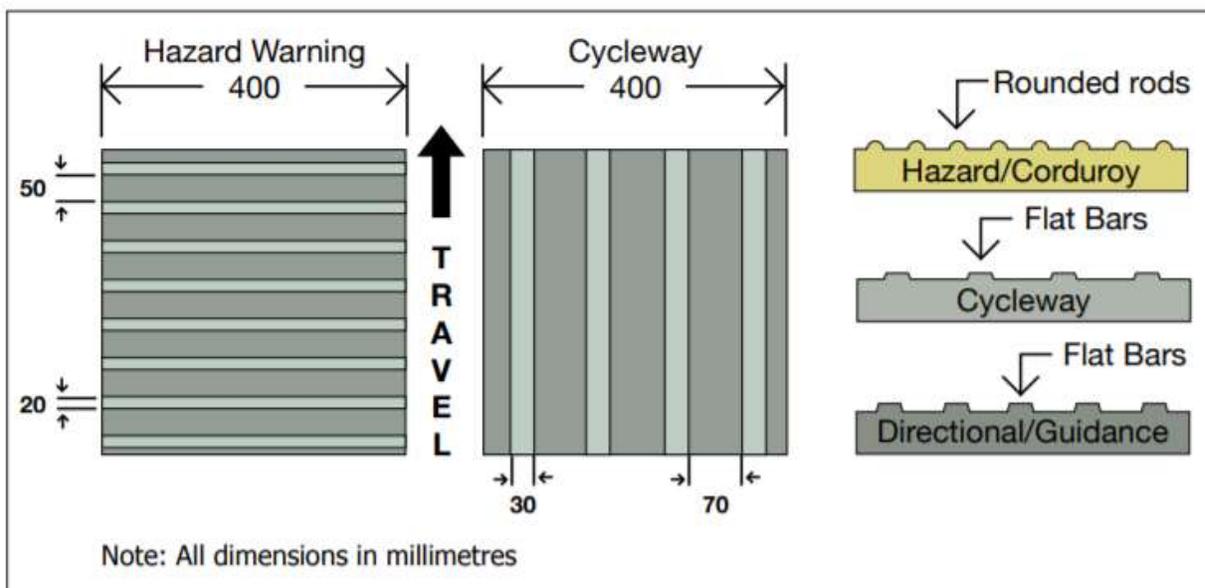


Figure 16.2: Examples of Hazard Warning and Cycleway Paving (Note: Extracted from NDA *Building for Everyone: A Universal Design Approach*)

Placement of street furniture and signage should be considered collectively to minimise obstruction to the footpaths. Where possible, existing signs should be used for mounting new signage. All signage and traffic signal heads shall be mounted with a head height clearance of 2.3m minimum.

16.2 Crossings / Junctions

Pedestrian crossings are mostly provided along the Swords scheme, with instances of no crossings provided reported in above sections.

There are multiple crossings that either provide no tactile paving or have incorrect tactile paving. The tactile paving at all crossing points shall be reviewed and the following design requirements incorporated:

- Red tactile paving slabs shall be used at controlled crossing points and buff tactile paving to be used at uncontrolled crossings;
- All tactile paving at controlled crossings to have a stem (1.2m wide) extend to the rear of the footpath or to the building line;

- All new service chambers are to be located outside the area of tactile paving where possible, any existing chambers that are not able to be relocated must have stick-on tactile paving applied;
- Three full rows of tactile paving (1.2m deep) across the full width of the dropped kerb to be provided at inline crossing points and two rows (800mm deep) to be provided at offline crossing points;
- All tactile paving to dictate direction of crossing and provide alignment guidance; and
- All tactile paving at crossing points shall be blistered.

Pushbuttons along this route are inconsistent. Pushbuttons that are not currently providing full service (audible, pulsating and demonstrate the orientation of the crossing in Braille) should be replaced with pushbuttons that are.

Staged crossings should be phased out where possible as per the *Design Manual for Urban Roads and Streets* (DMURS).

16.3 Bus Stops

Each bus stop should have the number of the bus stop provided in Braille for easy identification. Nearly all of the bus stops along the Swords scheme did not have Braille provided.

It is recommended that the kerb be 250mm high for the length of the bus stop. For new bus stops, it is suggested that kassel kerbs are used.

All signs and infrastructure at a bus stop shall be rationalised to prevent clutter and to ensure sufficient space for pedestrians passing the bus stop. The safety and interaction of all users shall be considered, particularly where pedestrians are required to cross a cycle track to access a bus door.

16.4 Parking

There are accessible parking bays located along the length of the Swords scheme. A thorough investigation into the requirements for accessible parking bays and suitable locations should be undertaken.

The road marking requirements for an accessible parking bay are set out in the Department of Transport's *Traffic Signs Manual: Chapter 7*. Figure 16.3 shows Figure 7.27 from the Manual - the required lengths and widths of both parallel and perpendicular accessible parking bays.

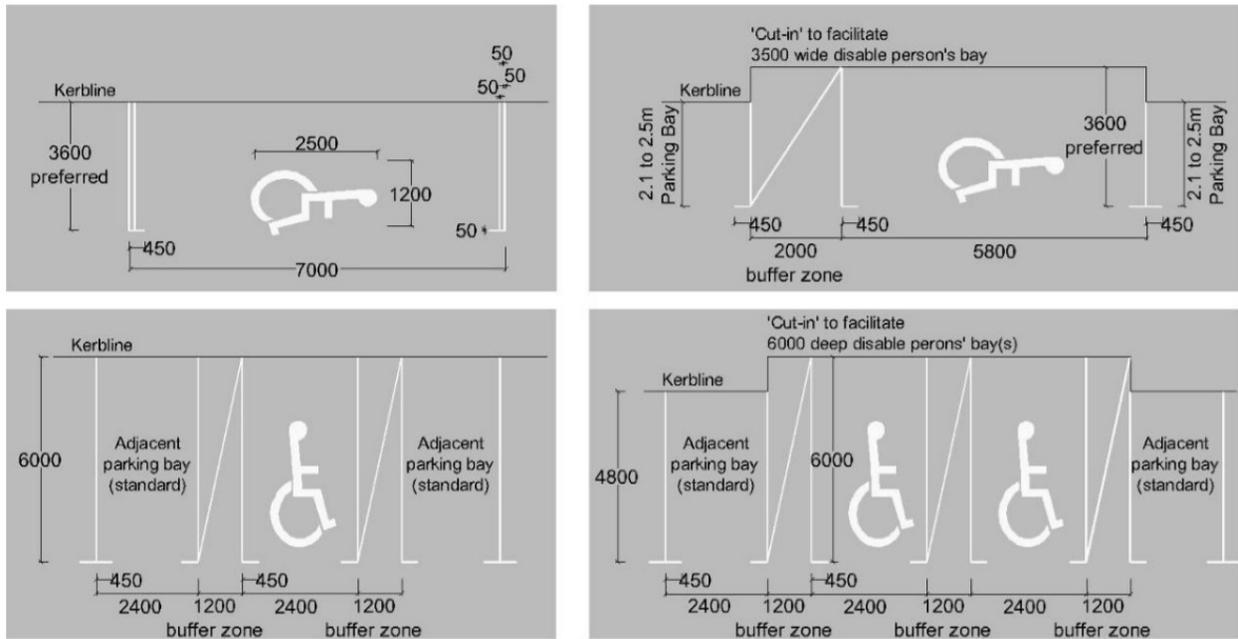


Figure 16.3: Typical Examples of Disabled Persons' Parking Bays

When implementing accessible parking bays, a dropped kerb should be provided for easy access to the footpath and street furniture in the vicinity should be limited to allow for unobstructed access to vehicles.

Appendix A. Other Issues

A.1 Zone 1 – Medium

Object ID	Issue	Additional Comments	Co-Ordinates
985	Broken paving / footway		717859, 745996
988	Uneven paving / footway		717826, 745871
995	Unsuitable access for disabled users	No tactile paving at end of cycle lane	717671, 745340
1000	Uneven paving / footway		717705, 745360

A.2 Zone 1 – Low

Object ID	Issue	Additional Comments	Co-Ordinates
980	Broken paving / footway		717975, 745790
989	Bus pole not identified in Braille		717772, 745815
990	Bus pole not identified in Braille		717702, 745562
991	Bus pole not identified in Braille		717684, 745546
992	Inappropriately constructed vehicle crossover point		717685, 745506
993	Inappropriately constructed vehicle crossover point		717686, 745446
994	Incorrect tactile paving at crossing		717678, 745344
998	Unsuitable access for disabled users	No tactile paving at end of cycle lane	717715, 745343
999	Unsuitable access for disabled users	Push button not working	717710, 745339
1001	Unsuitable access for disabled users	Push button not working	717699, 745339

A.3 Zone 2 – Medium

Object ID	Issue	Additional Comments	Co-Ordinates
996	Uneven paving / footway		717662, 745320
1006	Unsuitable access for disabled users	Tree overgrown into footpath	717694, 745173
1014	Broken paving / footway		717731, 744941
1015	Inappropriately constructed vehicle crossover point		717733, 744906
1019	Broken paving / footway		717735, 744871

A.4 Zone 2 – Low

Object ID	Issue	Additional Comments	Co-Ordinates
1002	Inappropriately constructed vehicle crossover point		717677, 745283
1007	Bus pole not identified in Braille		717695, 745162
1008	Bus pole not identified in Braille		717721, 745139
1009	Unsuitable access for disabled users	Weeds overgrown into footpath	717721, 745138
1010	Uneven paving / footway		717726, 745113
1011	Inappropriately constructed vehicle crossover point		717726, 745105
1016	Bus pole not identified in Braille		717735, 744904
1017	Unsuitable access for disabled users	Weeds overgrown into footpath	717734, 744892
1018	Bus pole not identified in Braille		717735, 744879
1022	Broken kerbing		717741, 744778
1023	Uneven paving / footway		717748, 744722
1024	Inappropriately constructed vehicle crossover point		717743, 744708
1025	Unsuitable access for disabled users	Weeds overgrown into footpath	717745, 744696

A.5 Zone 3 – Medium

Object ID	Issue	Additional Comments	Co-Ordinates
1043	Broken paving / footway		717669, 744104

A.6 Zone 3 – Low

Object ID	Issue	Additional Comments	Co-Ordinates
1026	Broken paving / footway		717756, 744511
1031	Bus pole not identified in Braille		717777, 744432
1032	Unsuitable access for disabled users	Weeds overgrown into footpath	717747, 744316
1033	Bus pole not identified in Braille		717730, 744243
1034	Unsuitable access for disabled users	No tactile paving at start of cycle lane	717703, 744168
1036	Unsuitable access for disabled users	No tactile paving at start of cycle lane	717727, 744169
1038	Unsuitable access for disabled users	No tactile paving at cycle lane crossover	717718, 744104

Object ID	Issue	Additional Comments	Co-Ordinates
1039	Unsuitable access for disabled users	No tactile paving at cycle lane crossover	717694, 744085
1045	Incorrect tactile paving at crossing		717643, 743963
1046	Incorrect tactile paving at crossing		717620, 743969
1047	Broken kerbing		717610, 743929
1048	Bus pole not identified in Braille		717606, 743917
1051	Unsuitable access for disabled users	Pathway marked as cycle lane, pointless white line, too narrow for path	717602, 743844
1052	Bus pole not identified in Braille		717616, 743620

A.7 Zone 4 – Medium

Object ID	Issue	Additional Comments	Co-Ordinates
1064	Unsuitable access for disabled users	Push button not working	717629, 742910

A.8 Zone 4 – Low

Object ID	Issue	Additional Comments	Co-Ordinates
1060	Unsuitable access for disabled users	No tactile paving at start of cycle lane	717638, 743416
1062	Bus pole not identified in Braille		717650, 743064
1063	Bus pole not identified in Braille		717672, 743165

A.9 Zone 5 – Medium

Object ID	Issue	Additional Comments	Co-Ordinates
1069	Unsuitable access for disabled users	No tactile paving at start of cycle lane	717160, 742318
1072	Unsuitable access for disabled users	Push button not vibrating	717090, 742272
1073	Unsuitable access for disabled users	Push button not vibrating	717084, 742268

A.10 Zone 5 – Low

Object ID	Issue	Additional Comments	Co-Ordinates
1065	Bus pole not identified in Braille		717597, 742828
1066	Bus pole not identified in Braille		717543, 742762
1067	Bus pole not identified in Braille		717339, 742505
1068	Bus pole not identified in Braille		717184, 742345
1071	Unsuitable access for disabled users	No tactile paving at end of cycle lane	717115, 742306

A.11 Zone 6 – Medium

Object ID	Issue	Additional Comments	Co-Ordinates
1070	Unsuitable access for disabled users	Tree overgrown into path	717105, 742246
1074	Unsuitable access for disabled users	No tactile paving at end of cycle lane	717075, 742234
1081	Inappropriately constructed vehicle crossover point		717059, 741915
1082	Inappropriately constructed vehicle crossover point		717059, 741916
1088	Inappropriately constructed vehicle crossover point	Cars driving over footpath, while adjacent crossing point without facilities is used for parking	717078, 741764
1088	No crossing facilities provided	Cars driving over footpath, while adjacent crossing point without facilities is used for parking	717078, 741764
1090	No crossing facilities provided		717074, 741702
1093	Uneven paving / footway		717064, 741669
1096	Uneven paving / footway		717072, 741610
1099	Inappropriately constructed vehicle crossover point		717081, 741531
1100	Broken paving / footway		717101, 741503
1101	Broken paving / footway		717103, 741439
1103	No tactile paving at crossing		717130, 741380

A.12 Zone 6 – Low

Object ID	Issue	Additional Comments	Co-Ordinates
1075	Unsuitable access for disabled users	Tree overgrown into path	717057, 742191
1076	No tactile paving at crossing		717033, 742066

Object ID	Issue	Additional Comments	Co-Ordinates
1079	Unsuitable access for disabled users	Weeds overgrown into footpath	717046, 741978
1080	Broken paving / footway		717066, 741965
1083	Broken paving / footway		717065, 741889
1085	Bus pole not identified in Braille		717079, 741827
1086	Bus pole not identified in Braille		717063, 741837
1089	Unsuitable access for disabled users	Weeds growing in path	717063, 741774
1091	Uneven paving / footway		717064, 741694
1094	Dropped kerbs not flush with crossing		717065, 741653
1095	Dropped kerbs not flush with crossing		717068, 741625
1097	Bus pole not identified in Braille		717083, 741612
1098	Uneven paving / footway		717089, 741585
1104	Unsuitable access for disabled users	Bushes overgrown into footpath	717158, 741295
1105	Uneven paving / footway		717173, 741249
1106	Bus pole not identified in Braille		717174, 741246
1107	Bus pole not identified in Braille		717163, 741227
1108	Unsuitable access for disabled users	Push button not vibrating	717190, 741171

A.13 Zone 7 – Medium

Object ID	Issue	Additional Comments	Co-Ordinates
1109	Broken paving / footway		717120, 741014
1110	Uneven paving / footway		717111, 740998
1114	No crossing facilities provided		717075, 740912
1115	No crossing facilities provided		717061, 740886
1120	Broken paving / footway		716972, 740695
1122	No crossing facilities provided		716977, 740659
1128	Insufficient footpath width		716789, 740380
1129	Unsuitable access for disabled users	Tree overgrown into footpath	716793, 740380

A.14 Zone 7 – Low

Object ID	Issue	Additional Comments	Co-Ordinates
1111	No level difference between footpath and cycle lane		717108, 740994

Object ID	Issue	Additional Comments	Co-Ordinates
1112	Broken paving / footway		717106, 740941
1113	No level difference between footpath and cycle lane		717104, 740938
1116	Bus pole not identified in Braille		716999, 740773
1117	Bus pole not identified in Braille		717016, 740751
1118	Incorrect tactile paving at crossing		717007, 740732
1119	Unsuitable access for disabled users	Push button not vibrating	716987, 740743
1121	No level difference between footpath and cycle lane		716966, 740672
1123	Broken kerbing		716894, 740511
1124	Bus pole not identified in Braille		716892, 740507
1125	Broken paving / footway		716856, 740464
1126	Inappropriately constructed vehicle crossover point		716827, 740443
1127	Bus pole not identified in Braille		716823, 740434

A.15 Zone 8 – Medium

Object ID	Issue	Additional Comments	Co-Ordinates
1130	Insufficient footpath width		716776, 740335
1132	Road Surfacing at Crossing Poor		716765, 740301
1143	Unsuitable access for disabled users	Push button not vibrating	716719, 739993
1144	Crossings not aligned		716724, 740000
1148	Unsuitable access for disabled users	Cars parked on dropped kerbs	716708, 739881
1155	Crossings not aligned		716684, 739760
1157	Crossings not aligned		716635, 739385

A.16 Zone 8 – Low

Object ID	Issue	Additional Comments	Co-Ordinates
1131	Footpath not provided		716767, 740308
1133	Uneven paving / footway		716781, 740286
1134	Inappropriately constructed vehicle crossover point		716791, 740175
1135	Unsuitable access for disabled users	Push button not vibrating	716797, 740157

Object ID	Issue	Additional Comments	Co-Ordinates
1136	Crossings not aligned		716758, 740163
1137	Uneven paving / footway		716767, 740169
1138	Incorrect tactile paving at crossing		716769, 740174
1139	Incorrect tactile paving at crossing		716799, 740158
1140	Incorrect tactile paving at crossing		716778, 740123
1141	Incorrect tactile paving at crossing		716704, 740035
1142	Unsuitable access for disabled users	Push button not vibrating	716705, 740025
1145	Dropped kerbs not flush with crossing		716724, 740003
1146	Bus pole not identified in Braille		716708, 739900
1147	Vehicles parked in footway		716709, 739896
1149	Broken kerbing		716708, 739883
1150	Uneven paving / footway		716693, 739862
1151	Bus pole not identified in Braille		716693, 739864
1152	Broken kerbing		716695, 739793
1153	Inappropriately constructed vehicle crossover point		716684, 739770
1156	Bus pole not identified in Braille		716637, 739401
1158	Inappropriately constructed vehicle crossover point		716640, 739367
1159	Bus pole not identified in Braille		716654, 739388

A.17 Zone 9 – Medium

Object ID	Issue	Additional Comments	Co-Ordinates
1161	Insufficient footpath width		716644, 739246
1176	Vehicles parked in footway		716707, 739021
1178	Uneven paving / footway		716755, 738953

A.18 Zone 9 – Low

Object ID	Issue	Additional Comments	Co-Ordinates
1162	Incorrect tactile paving at crossing		716657, 739181
1163	Bus pole not identified in Braille		716641, 739193
1164	Incorrect tactile paving at crossing		716647, 739182

Object ID	Issue	Additional Comments	Co-Ordinates
1165	Unsuitable access for disabled users	Push button not vibrating	716646, 739175
1166	Unsuitable access for disabled users	Push button not working	716644, 739161
1168	Incorrect tactile paving at crossing		716645, 739162
1169	Incorrect tactile paving at crossing		716647, 739158
1170	Unsuitable access for disabled users	Push button not vibrating	716651, 739158
1171	Unsuitable access for disabled users	Push button not vibrating	716662, 739158
1172	Uneven paving / footway		716663, 739156
1173	No crossing facilities provided		716670, 739127
1174	Bus pole not identified in Braille		716676, 739110
1175	Lamp post in footway		716680, 739086
1179	Bus pole not identified in Braille		716749, 738960
1180	Unsuitable access for disabled users	Hedge overgrown onto path	716672, 739069
1181	Incorrect tactile paving at crossing		716774, 738936
1182	Incorrect tactile paving at crossing		716780, 738923
1183	Incorrect tactile paving at crossing		716798, 738917
1184	Broken paving / footway		716860, 738756
1185	Unsuitable access for disabled users	Weeds overgrown on footpath	716858, 738758
1186	Broken paving / footway		716851, 738677
1187	Incorrect tactile paving at crossing		716842, 738561

A.19 Zone 10 – Medium

Object ID	Issue	Additional Comments	Co-Ordinates
1188	Broken paving / footway		716795, 738437
1192	Unsuitable access for disabled users	No tactile paving at crossing of cycle lane	716796, 738413
1194	Road Surfacing at Crossing Poor		716789, 738346
1195	Road Surfacing at Crossing Poor		716774, 738350
1211	Ponding		716719, 738188
1212	Ponding		716717, 738188
1213	Uneven paving / footway		716718, 738187
1217	Vehicles parked in footway		716671, 738075

Object ID	Issue	Additional Comments	Co-Ordinates
1222	Inappropriately constructed vehicle crossover point		716638, 737971

A.20 Zone 10 – Low

Object ID	Issue	Additional Comments	Co-Ordinates
1189	No crossing facilities provided		716773, 738420
1190	Broken paving / footway		716806, 738434
1191	Bus pole not identified in Braille		716806, 738435
1193	Crossings not aligned		716793, 738398
1196	Uneven paving / footway		716793, 738317
1197	Uneven paving / footway		716789, 738305
1198	Bus pole not identified in Braille		716764, 738238
1199	Ponding		716729, 738217
1200	Road Surfacing at Crossing Poor		716734, 738217
1201	Ponding		716728, 738224
1202	Bus pole not identified in Braille		716740, 738235
1203	Broken kerbing		716734, 738231
1204	No level difference between footpath and cycle lane		716744, 738253
1205	Uneven paving / footway		716757, 738286
1206	Uneven paving / footway		716762, 738300
1207	No level difference between footpath and cycle lane		716772, 738337
1208	Broken paving / footway		716743, 738246
1210	Ponding		716715, 738201
1214	No level difference between footpath and cycle lane		716709, 738150
1215	Unsuitable access for disabled users	Tree hanging into footpath	716681, 738090
1216	Broken paving / footway		716675, 738082
1218	Bus pole not identified in Braille		716652, 738028
1219	Incorrect tactile paving at crossing		716645, 738011
1220	Bus pole not identified in Braille		716653, 738003
1221	Incorrect tactile paving at crossing		716640, 737980
1223	Ponding		716629, 737981
1224	Road Surfacing at Crossing Poor		716628, 737980

Object ID	Issue	Additional Comments	Co-Ordinates
1225	Uneven paving / footway		716623, 737972

A.21 Zone 11 – Medium

Object ID	Issue	Additional Comments	Co-Ordinates
1242	Unsuitable access for disabled users	Push button not vibrating	716439, 737620
1247	Unsuitable access for disabled users	Push button not working	716432, 737604
1254	Uneven paving / footway		716407, 737562
1260	Ponding		716368, 737478
1262	Uneven paving / footway		716352, 737431
1263	Uneven paving / footway		716335, 737372
1266	Ponding		716327, 737341
1270	Ponding		716312, 737298
1273	Road Surfacing at Crossing Poor		716312, 737350
1284	Unsuitable access for disabled users	Hedge overgrown into footpath	716280, 737274
1285	Ponding		716280, 737269
1286	Unsuitable access for disabled users	No tactile paving at end of cycle lane	716265, 737234
1287	No tactile paving at crossing	One side only	716240, 737154
1292	Unsuitable access for disabled users	Push button not vibrating	716215, 737038
1294	Vehicles parked in footway		716217, 737044
1296	Inappropriately constructed vehicle crossover point		716180, 736991

A.22 Zone 11 – Low

Object ID	Issue	Additional Comments	Co-Ordinates
1229	No level difference between footpath and cycle lane		716528, 737781
1230	Bus pole not identified in Braille		716526, 737780
1231	Unsuitable access for disabled users	No tactile paving at cycle lane crossover	716521, 737770
1232	Unsuitable access for disabled users	No tactile paving at cycle lane crossover	716519, 737770
1233	No crossing facilities provided	Whole junction	716480, 737715
1234	Unsuitable access for disabled users	Broken trees in middle of path	716471, 737703

Object ID	Issue	Additional Comments	Co-Ordinates
1235	Unsuitable access for disabled users	Very mucky	716452, 737679
1236	Unsuitable access for disabled users	No tactile paving at end of cycle lane	716454, 737675
1240	Incorrect tactile paving at crossing		716413, 737624
1241	Incorrect tactile paving at crossing		716405, 737621
1243	Incorrect tactile paving at crossing		716439, 737621
1244	Unsuitable access for disabled users	No tactile paving at end of cycle lane	716439, 737622
1245	No level difference between footpath and cycle lane		716439, 737629
1246	Unsuitable access for disabled users	Push button 2m back from kerb?	716437, 737607
1248	Incorrect tactile paving at crossing		716432, 737604
1249	Ponding		716425, 737594
1250	Ponding		716422, 737590
1252	Unsuitable access for disabled users	No tactile paving at cycle lane crossover	716422, 737592
1253	Ponding		716415, 737576
1255	Ponding		716403, 737555
1256	Ponding		716399, 737546
1257	Uneven paving / footway		716397, 737539
1258	Bus pole not identified in Braille		716391, 737533
1259	Uneven paving / footway		716371, 737484
1261	Unsuitable access for disabled users	Tree starting to grow into footpath	716355, 737450
1264	Uneven paving / footway		716328, 737355
1265	Incorrect tactile paving at crossing		716329, 737348
1267	Uneven paving / footway		716320, 737327
1269	Bus pole not identified in Braille		716311, 737295
1271	Dropped kerbs not flush with crossing		716323, 737346
1272	Unsuitable access for disabled users	Push button not working	716311, 737353
1274	No level difference between footpath and cycle lane		716317, 737372
1275	Vehicles parked in footway		716315, 737378
1276	Bus pole not identified in Braille		716318, 737386
1278	Incorrect tactile paving at crossing		716310, 737351
1281	Unsuitable access for disabled users	No tactile paving at end of cycle lane	716306, 737324

Object ID	Issue	Additional Comments	Co-Ordinates
1282	No level difference between footpath and cycle lane		716297, 737306
1283	Ponding		716289, 737299
1288	Bus pole not identified in Braille		716244, 737134
1290	Unsuitable access for disabled users	No tactile paving at end of cycle lane	716232, 737145
1291	Bus pole not identified in Braille		716224, 737123
1293	Vehicles parked in footway		716217, 737043
1295	Broken paving / footway		716206, 737008
1297	Bus pole not identified in Braille		716172, 736974
1298	Bus pole not identified in Braille		716188, 736954
1299	Uneven paving / footway		716181, 736943

A.23 Zone 12 – Medium

Object ID	Issue	Additional Comments	Co-Ordinates
1301	Vehicles parked in footway		716177, 736913
1302	Ponding		716170, 736892
1303	Uneven paving / footway		716170, 736892
1304	Ponding		716163, 736874
1309	Unsuitable access for disabled users	Push button not vibrating	716126, 736829
1313	Unsuitable access for disabled users	Narrow section of path	716136, 736804
1317	Ponding		716118, 736752
1324	Unsuitable access for disabled users	No tactile paving at end cycle lane	716097, 736614
1326	No level difference between footpath and cycle lane		716088, 736595
1328	No crossing facilities provided		716112, 736692
1333	Ponding		716114, 736602
1334	Uneven paving / footway		716114, 736603
1340	No crossing facilities provided		716065, 736443
1343	Ponding		716039, 736364
1347	Unsuitable access for disabled users	Push button not vibrating	715962, 736215
1349	No tactile paving at crossing		715959, 736253
1351	No tactile paving at crossing		715979, 736308
1353	No tactile paving at crossing		716043, 736450

Object ID	Issue	Additional Comments	Co-Ordinates
1354	Unsuitable access for disabled users	No tactile paving at crossing of cycle lane	716059, 736499
1355	No tactile paving at crossing		716065, 736511
1364	Vehicles parked in footway		715884, 736062
1383	Unsuitable access for disabled users	Push button not vibrating	715748, 735807
1384	Unsuitable access for disabled users	Push button not vibrating	715735, 735817
1385	Unsuitable access for disabled users	Push button not vibrating	715742, 735819

A.24 Zone 12 – Low

Object ID	Issue	Additional Comments	Co-Ordinates
1306	Inappropriate street furniture	Are so many bollards necessary?	716165, 736870
1308	Incorrect tactile paving at crossing		716138, 736827
1311	Dropped kerbs not flush with crossing		716142, 736812
1312	Broken kerbing		716135, 736806
1314	Unsuitable access for disabled users	Push button not vibrating	716142, 736824
1315	Broken paving / footway		716119, 736826
1321	Incorrect tactile paving at crossing		716091, 736675
1322	Unsuitable access for disabled users	Push button not working	716095, 736668
1323	Bus pole not identified in Braille		716094, 736641
1325	No crossing facilities provided		716090, 736597
1327	Incorrect tactile paving at crossing		716110, 736671
1329	Vehicles parked in footway		716115, 736708
1330	Bus pole not identified in Braille		716112, 736618
1332	Inappropriately constructed vehicle crossover point		716116, 736603
1335	Unsuitable access for disabled users	No tactile paving at end of cycle lane	716111, 736556
1336	No level difference between footpath and cycle lane		716106, 736536
1337	Uneven paving / footway		716097, 736511
1338	Bus pole not identified in Braille		716070, 736501
1339	Broken paving / footway		716080, 736469
1341	Ponding		716067, 736440
1342	Ponding		716062, 736431

Object ID	Issue	Additional Comments	Co-Ordinates
1345	Bus pole not identified in Braille		715992, 736270
1346	Incorrect tactile paving at crossing		715974, 736235
1348	Incorrect tactile paving at crossing		715962, 736220
1350	No level difference between footpath and cycle lane		715964, 736274
1352	No level difference between footpath and cycle lane		715987, 736324
1357	Unsuitable access for disabled users	Water dripping from railway bridge	715909, 736166
1358	Broken kerbing		715902, 736149
1359	Uneven paving / footway		715878, 736099
1360	Road Surfacing at Crossing Poor		715843, 736040
1365	Bus pole not identified in Braille		715894, 736075
1366	Incorrect tactile paving at crossing		715907, 736109
1367	Unsuitable access for disabled users	Water dripping from railway bridge	715929, 736152
1369	Bus pole not identified in Braille		715915, 736165
1371	Ponding		715832, 736015
1372	Uneven paving / footway		715835, 736028
1373	No tactile paving at crossing		715826, 735997
1374	Bus pole not identified in Braille		715749, 735855
1386	Bus pole not identified in Braille		715770, 735849
1387	Unsuitable access for disabled users	Push button not vibrating	715804, 735909
1388	Ponding		715817, 735933

A.25 Zone 13 – Medium

Object ID	Issue	Additional Comments	Co-Ordinates
1378	Unsuitable access for disabled users	Really long wait for green light	715678, 735695
1380	Unsuitable access for disabled users	Push button not working	715706, 735720
1381	Inappropriate street furniture		715717, 735744
1393	Uneven paving / footway		715594, 735579
1406	Unsuitable access for disabled users	Push button not vibrating	715476, 735393
1410	Uneven paving / footway		715529, 735487

Object ID	Issue	Additional Comments	Co-Ordinates
1413	Unsuitable access for disabled users	Push button not working	715467, 735392
1450	Uneven paving / footway		715424, 735281
1454	Uneven paving / footway		715458, 735330
1455	Inappropriately constructed vehicle crossover point		715404, 735219
1455	Road Surfacing at Crossing Poor		715404, 735219

A.26 Zone 13 – Low

Object ID	Issue	Additional Comments	Co-Ordinates
1375	Uneven paving / footway		715695, 735754
1377	Ponding		715681, 735733
1379	Incorrect tactile paving at crossing		715703, 735711
1382	Uneven paving / footway		715723, 735767
1389	Uneven paving / footway		715695, 735706
1390	Uneven paving / footway		715617, 735613
1392	Bus pole not identified in Braille		715603, 735583
1395	Ponding		715603, 735591
1396	Bus pole not identified in Braille		715634, 735660
1397	Vehicles parked in footway		715649, 735681
1398	Dropped kerbs not flush with crossing		715558, 735554
1399	Unsuitable access for disabled users	Push button not vibrating	715573, 735540
1400	No tactile paving at crossing	One side only	715543, 735509
1401	Ponding		715552, 735504
1402	Uneven paving / footway		715528, 735472
1403	Bus pole not identified in Braille		715522, 735463
1404	Uneven paving / footway		715506, 735440
1405	Uneven paving / footway		715486, 735418
1407	Unsuitable access for disabled users	Push button not vibrating	715481, 735398
1408	Vehicles parked in footway		715489, 735414
1409	Bus pole not identified in Braille		715515, 735461
1411	Bus pole not identified in Braille		715542, 735496
1412	Uneven paving / footway		715566, 735538
1451	Vehicles parked in footway		715449, 735296
1452	Uneven paving / footway		715451, 735332

A.27 Sub Route 1 – Medium

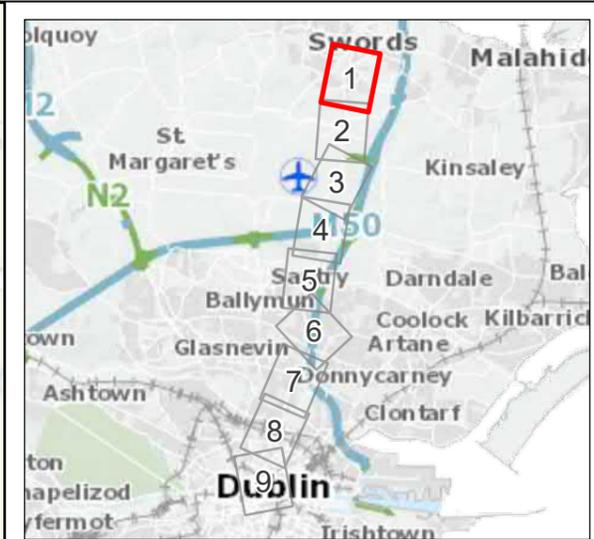
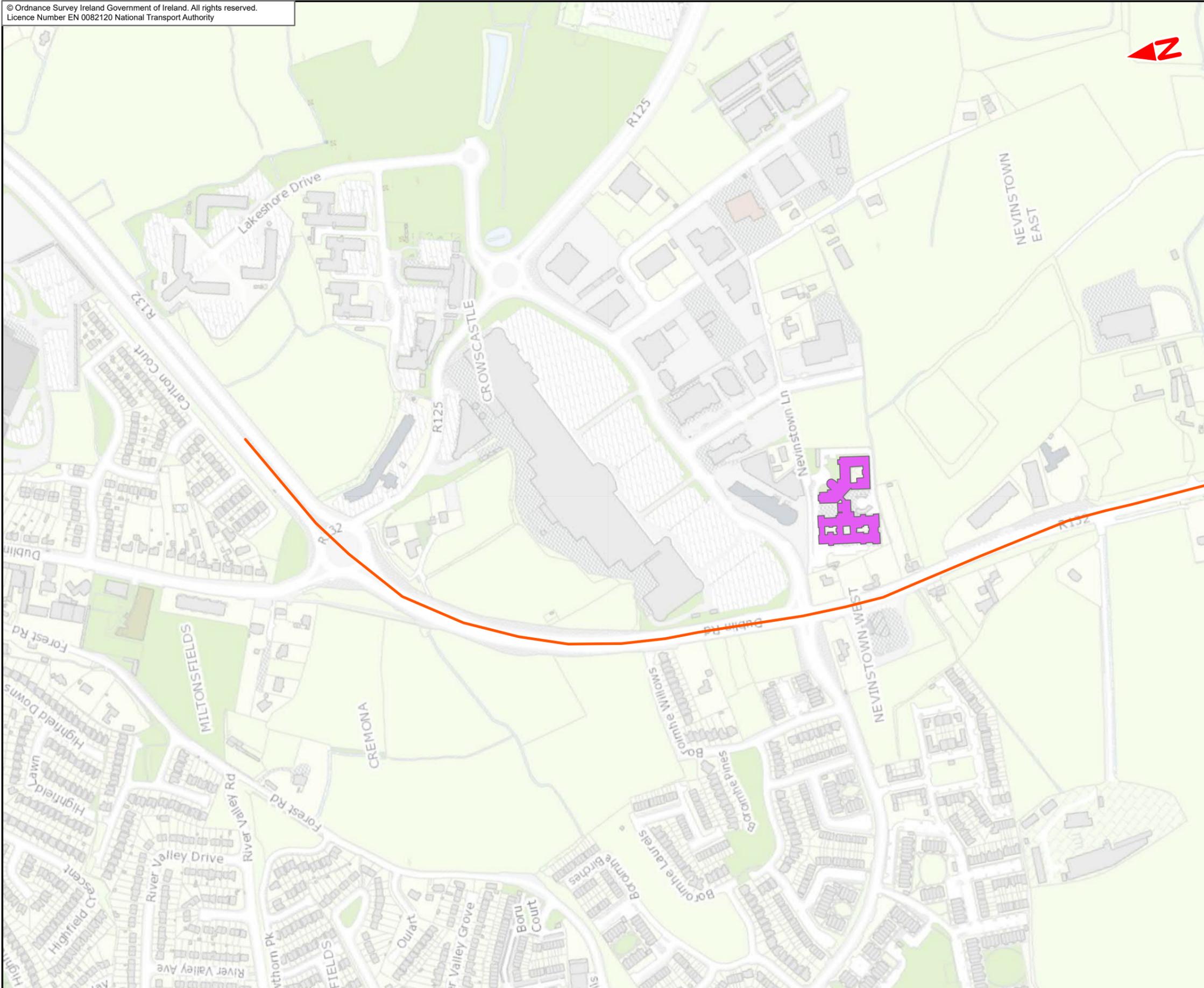
Object ID	Issue	Additional Comments	Co-Ordinates
1416	Unsuitable access for disabled users	Push button not working	715594, 735221
1420	Unsuitable access for disabled users	Push button not working	715603, 735206
1421	Unsuitable access for disabled users	Push button not working	715601, 735209
1431	Inappropriate street furniture		715719, 735068
1440	Unsuitable access for disabled users	People at bus stop block the narrow path	715514, 735053
1444	Unsuitable access for disabled users	Push button not working	715466, 735120

A.28 Sub Route 1 – Low

Object ID	Issue	Additional Comments	Co-Ordinates
1415	Uneven paving / footway		715525, 735294
1417	Road Surfacing at Crossing Poor		715599, 735217
1418	Unsuitable access for disabled users	Push button not vibrating	715601, 735208
1419	Road Surfacing at Crossing Poor		715608, 735211
1422	Unsuitable access for disabled users	Push button not working	715596, 735212
1423	Incorrect tactile paving at crossing		715597, 735214
1424	Unsuitable access for disabled users	Tree hanging into footpath	715531, 735317
1425	Ponding		715596, 735201
1426	Dropped kerbs not flush with crossing		715595, 735213
1427	Unsuitable access for disabled users	Push button not vibrating	715612, 735198
1429	Unsuitable access for disabled users	Push button not vibrating	715615, 735182
1430	Inappropriate street furniture		715705, 735094
1432	Ponding		715732, 735049
1433	Ponding		715726, 735015
1434	Road Surfacing at Crossing Poor		715713, 735069
1435	Bus pole not identified in Braille	Multiple stops along this section of street	715658, 735153
1436	No pedestrian refuge for long crossing		715641, 734920
1437	Uneven paving / footway		715625, 734933
1438	Bus pole not identified in Braille	Multiple bus stops along this street section	715604, 734970
1442	Unsuitable access for disabled users	Tree hanging into footpath	715500, 735078

Object ID	Issue	Additional Comments	Co-Ordinates
1445	Unsuitable access for disabled users	Push button not working	715458, 735115
1447	Uneven paving / footway		715415, 735153
1448	Uneven paving / footway		715387, 735172
1449	Uneven paving / footway		715399, 735172

Appendix B. Key Facilities and Services Along the Swords Scheme



Legend

- Routes
- Building
- Clinic



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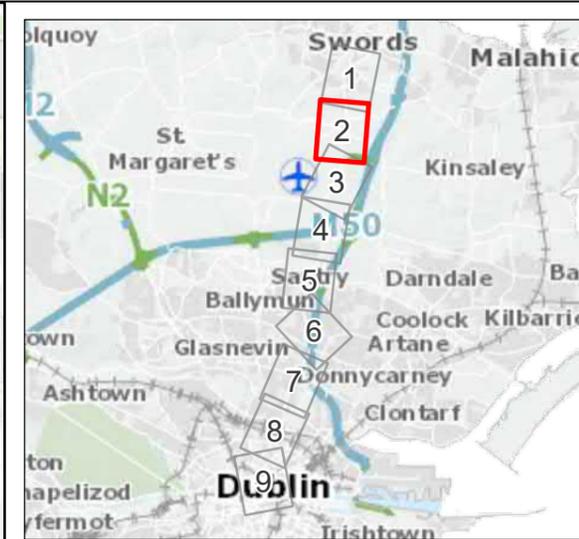
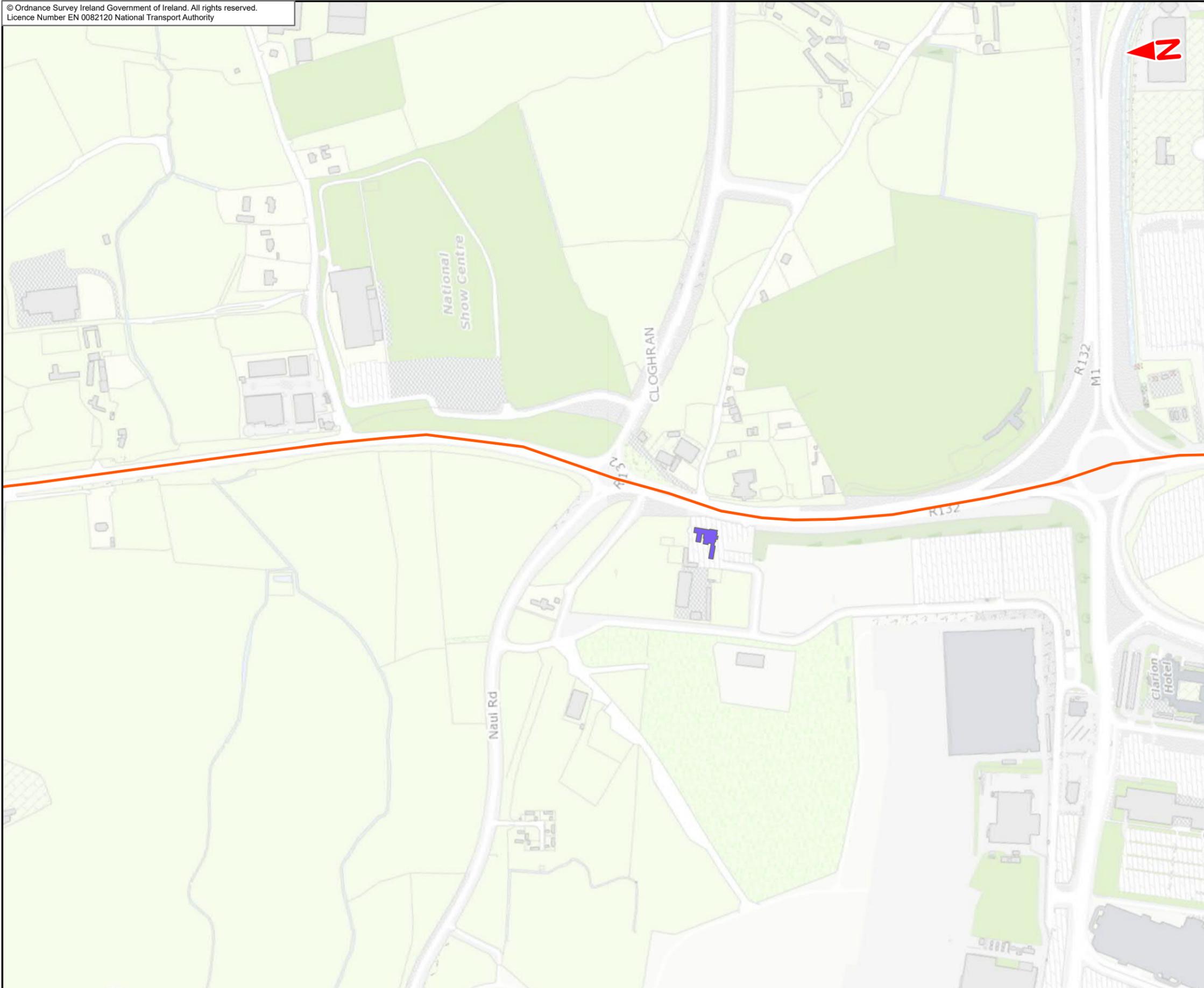
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Client NTA Údarás Náisiúnta Iompair National Transport Authority		Consultant Jacobs		
Date 17/04/2020	Scale @ A3 1:5 000	Drawn	Checked	Approved
Project Code 32110900	Originator Code JAC	QMS Code		

Project Title BUSCONNECTS Core Bus Corridors			
Drawing Title Key Facilities and Services of the Swords Route			
Drawing File Reference	Sheet Number 1 of 9	Status DRAFT	Rev



Legend

— Routes

Building

■ Further Education



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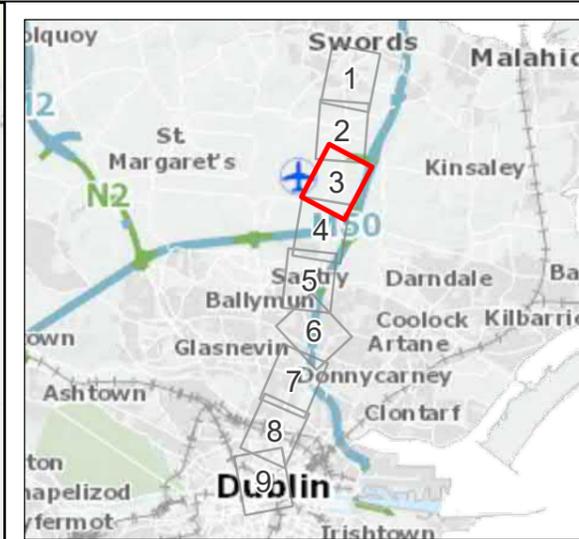
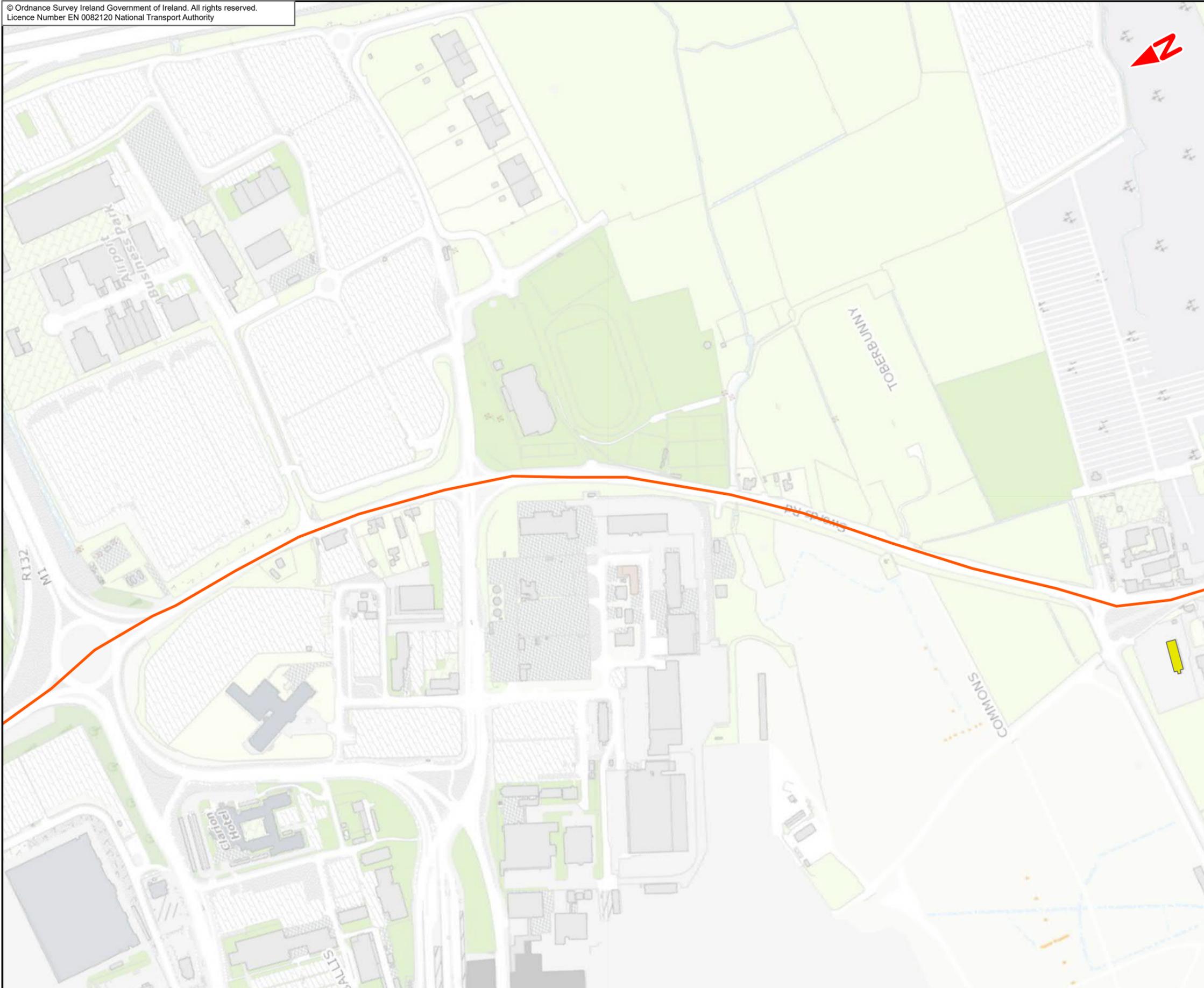
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Project Code	32110900	Originator Code	JAC	Checked
		QMS Code		Approved

Project Title				BUSCONNECTS Core Bus Corridors			
Drawing Title				Key Facilities and Services of the Swords Route			
Drawing File Reference		Sheet Number	2 of 9	Status	DRAFT	Rev	



- Legend**
- Routes
 - Building
 - Bank



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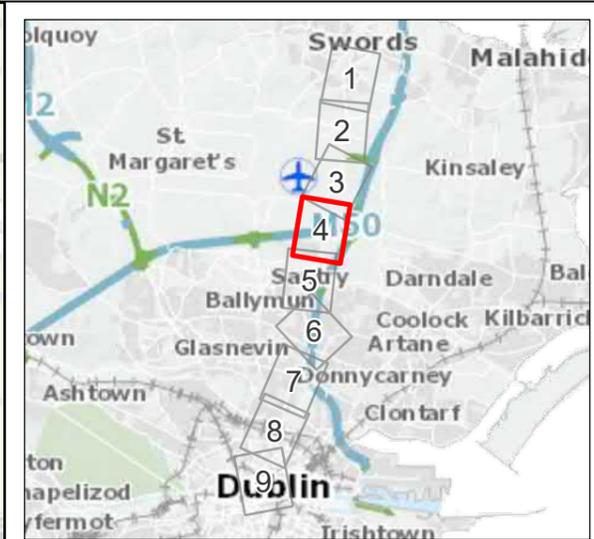
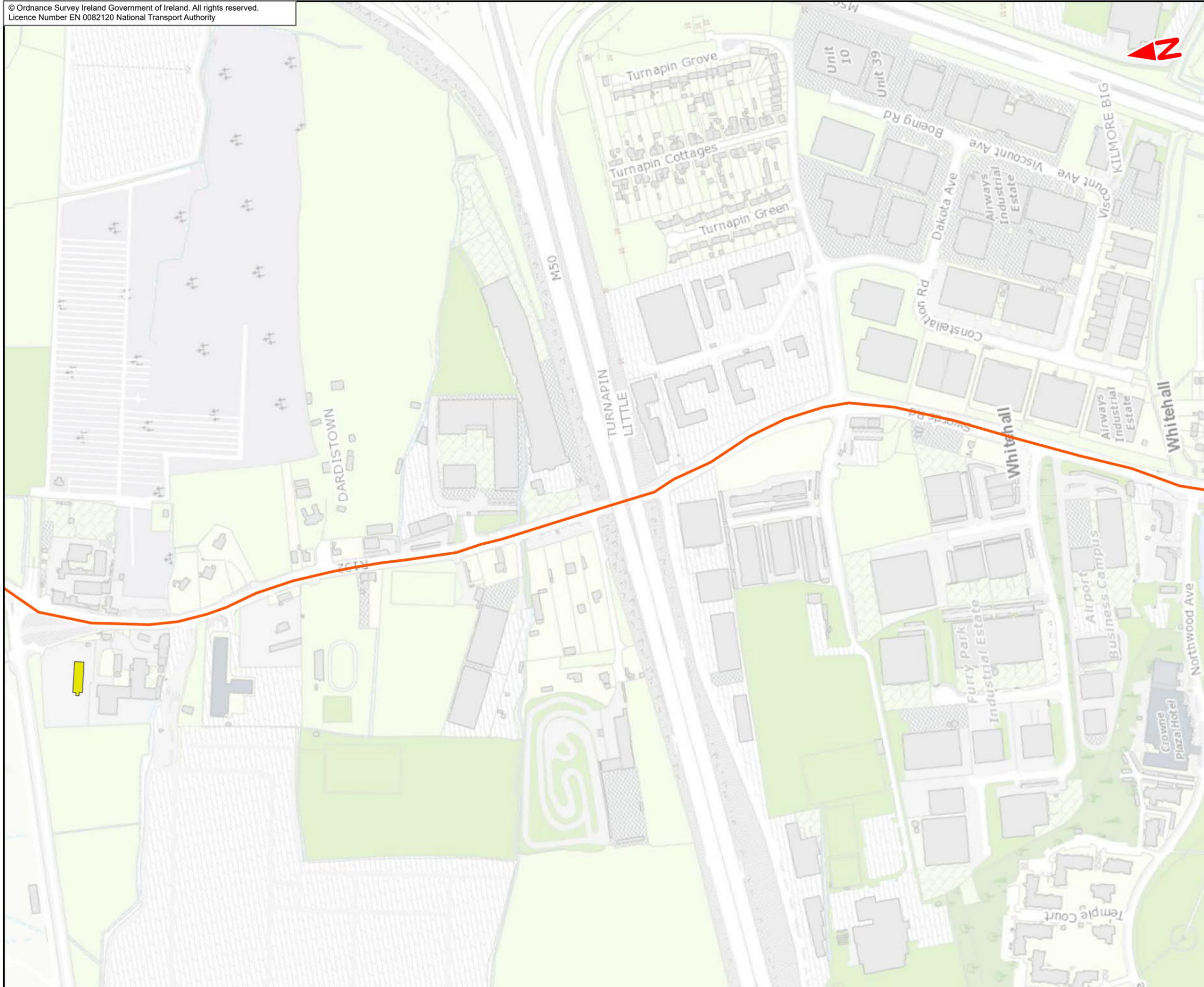
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Date 17/04/2020	Scale @ A3 1:5 000	Drawn	Checked	Approved
Project Code 32110900	Originator Code JAC	QMS Code		

Project Title BUSCONNECTS Core Bus Corridors			
Drawing Title Key Facilities and Services of the Swords Route			
Drawing File Reference	Sheet Number 3 of 9	Status DRAFT	Rev



Legend

- Routes
- Building
- Bank



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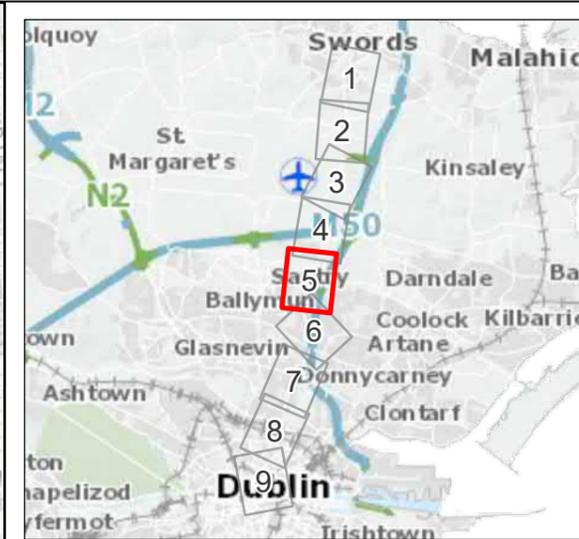
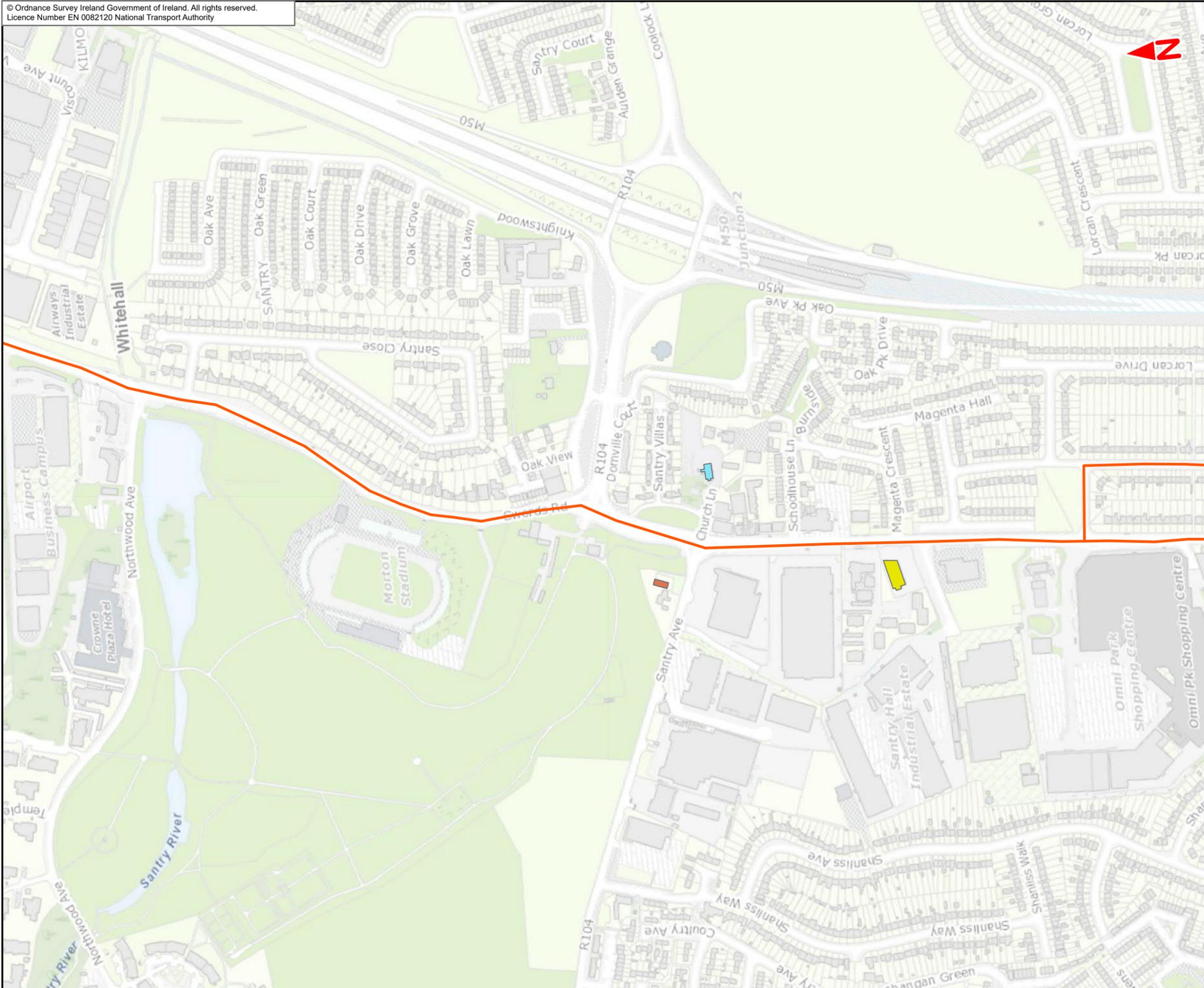
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NTA Údarás Náisiúnta Iompair National Transport Authority		Jacobs		
Date	17/04/2020	Scale @ A3	1:5 000	Drawn
Project Code	32110900	Originator Code	JAC	Checked
		QMS Code	Approved	

Project Title	BUSCONNECTS Core Bus Corridors			
Drawing Title	Key Facilities and Services of the Swords Route			
Drawing File Reference	Sheet Number	Status	Rev	
	4 of 9	DRAFT		



Legend

-  Routes
- Building**
-  Bank
-  Church of Ireland Church
-  Primary School



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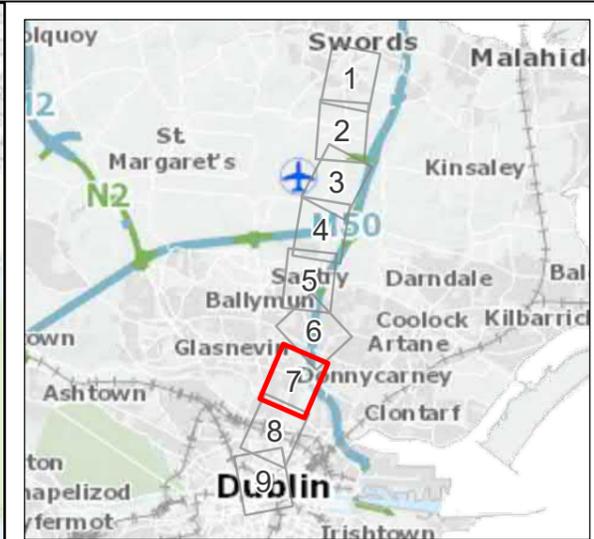
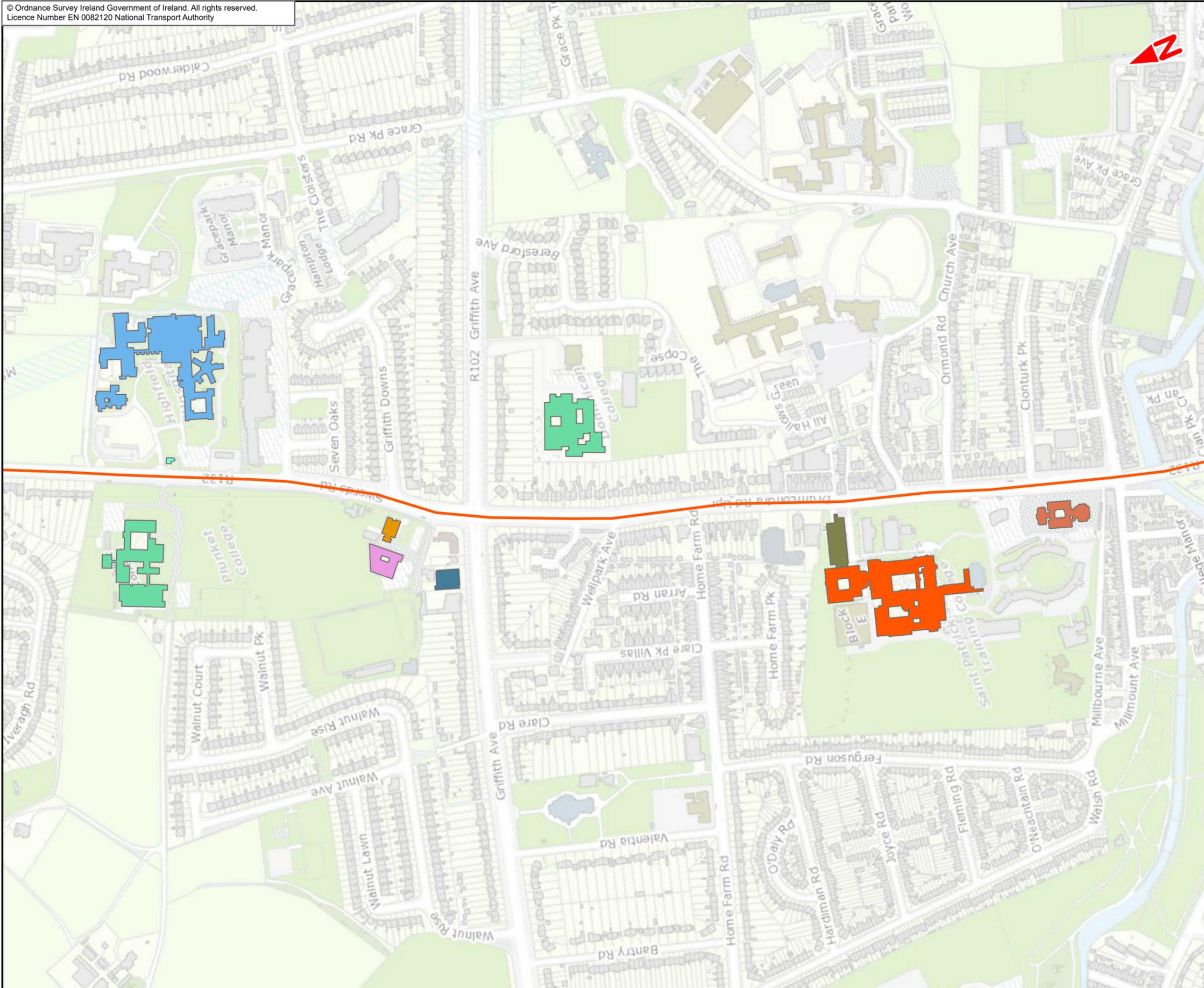
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	5 of 9	DRAFT	



Legend

- Routes
- Building**
- General Hospital
- Library
- Local Government Building
- Post Office
- Primary School
- Psychiatric Hospital
- Secondary School
- Teacher Training College
- Third Level



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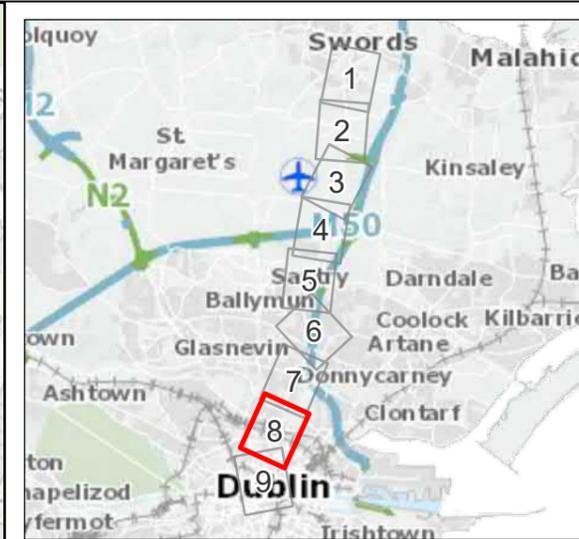
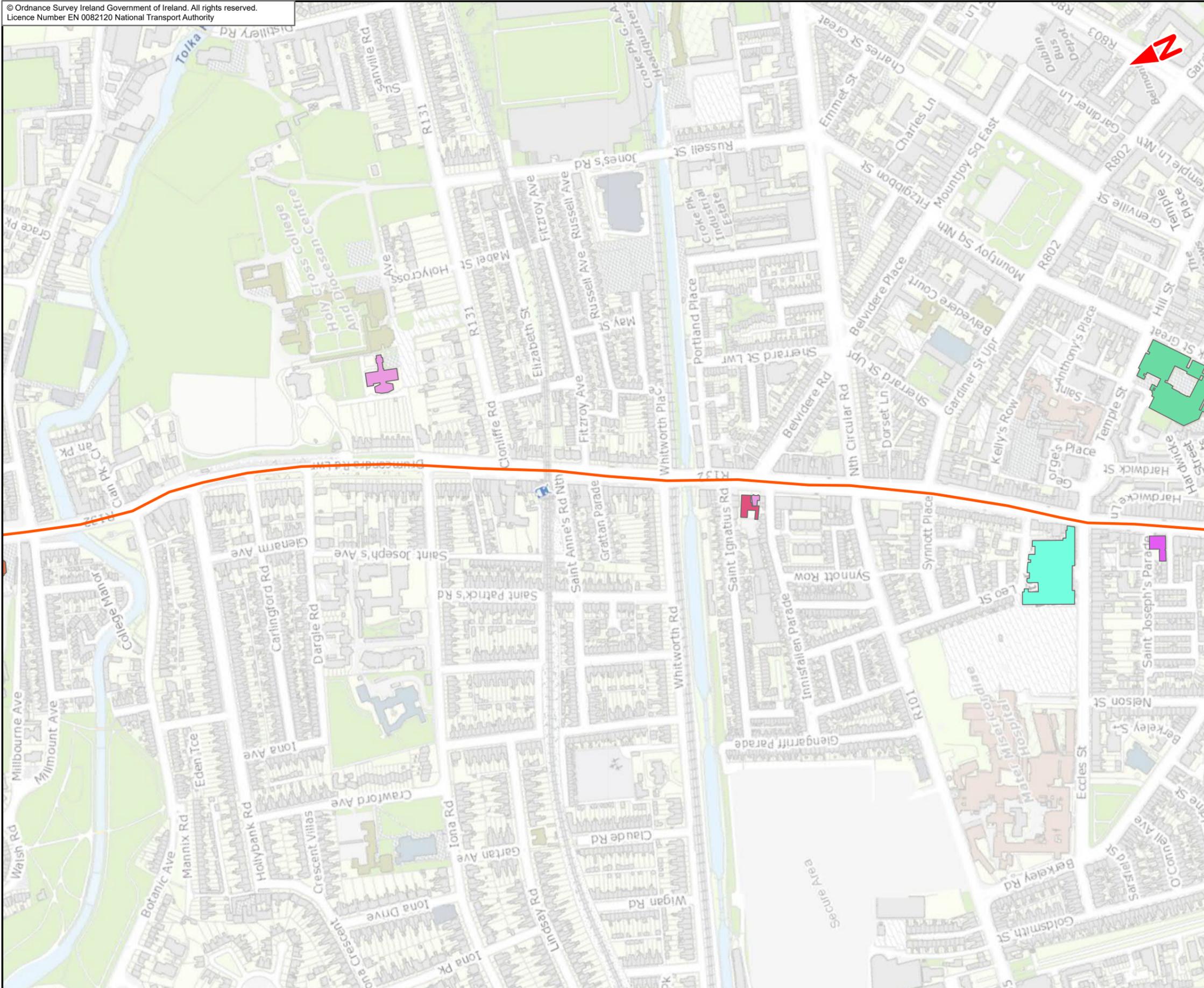
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Drawing Title				Key Facilities and Services of the Swords Route			
Drawing File Reference	Sheet Number	Status	Rev				
	7 of 9	DRAFT					



Legend

- Routes
- Building**
- Clinic
- Community Centre
- General Hospital
- Primary School
- Secondary School
- Third Level



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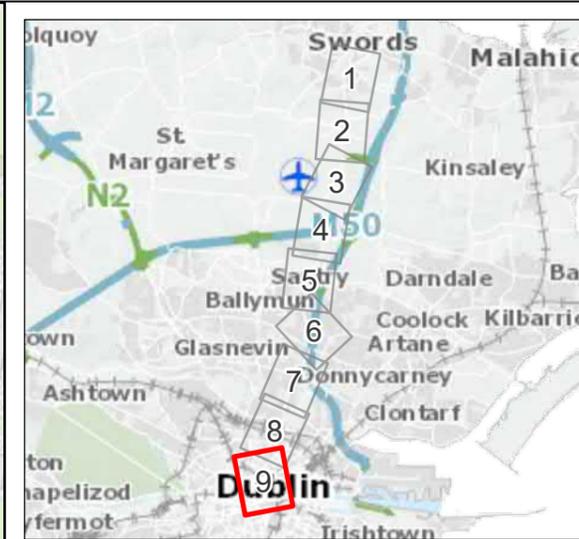
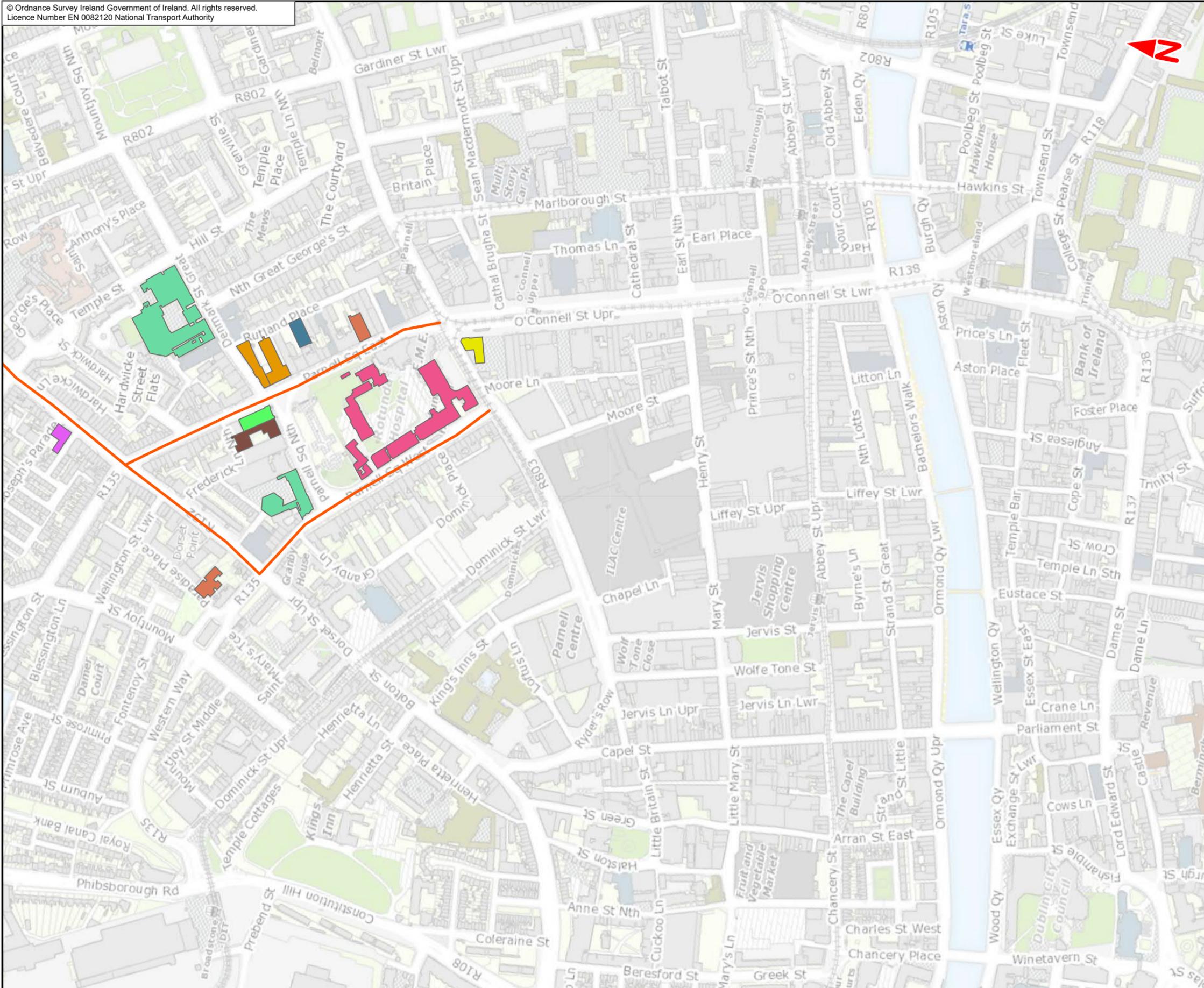
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Drawing Title	Key Facilities and Services of the Swords Route			
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	8 of 9	DRAFT		



Legend

- Routes
- Building**
- Bank
- Clinic
- General Hospital
- Local Government Building
- Maternity Hospital
- Museum
- Post Office
- Presbyterian Church
- Primary School
- Secondary School



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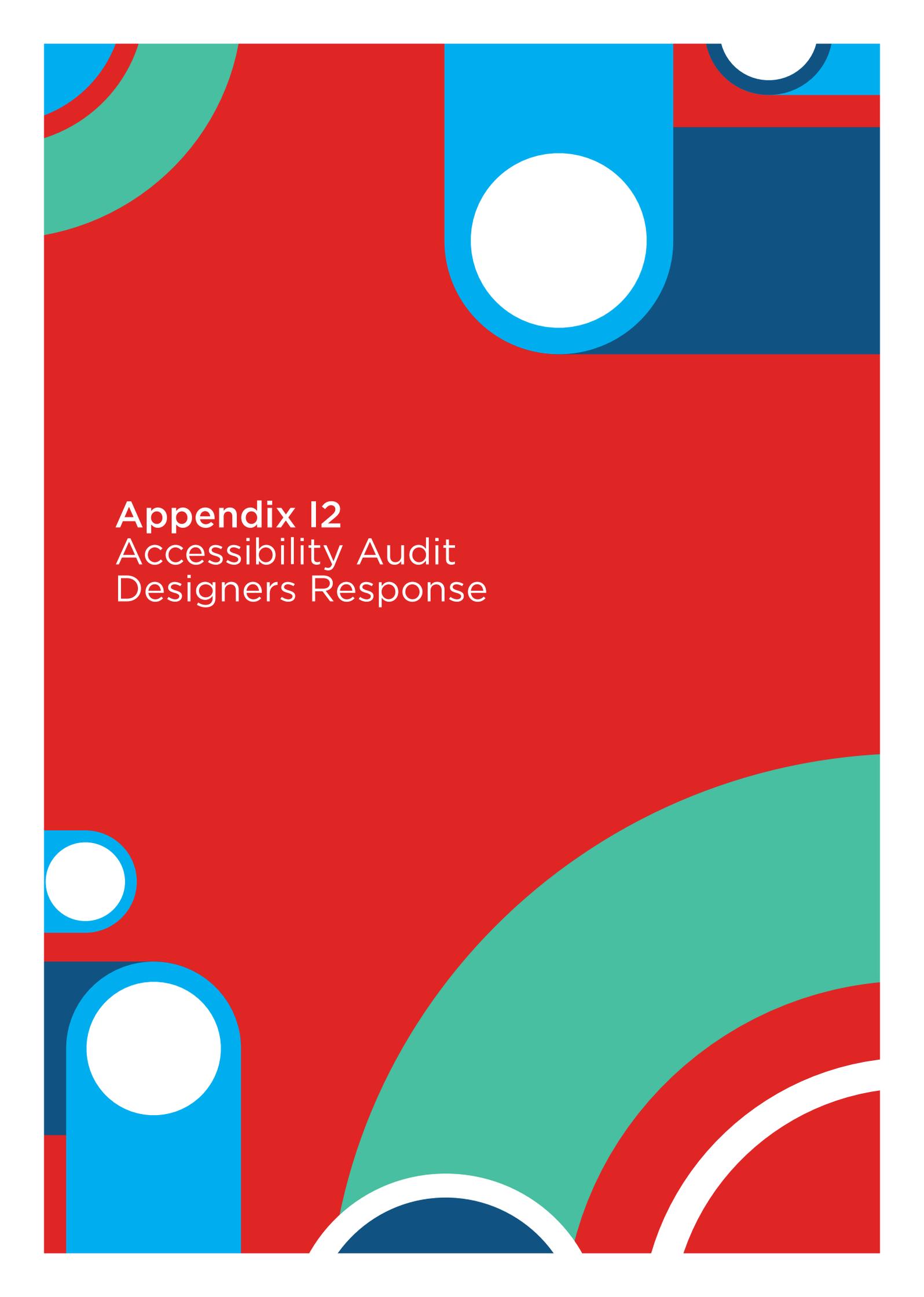
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	9 of 9	DRAFT			



Appendix 12
Accessibility Audit
Designers Response

Scheme: Swords to City Centre
 Accessibility Audit Stage - Preferred Route Option
 Date Audit Completed: Wednesday 11 March 2020 and Thursday 12 March 2020

Zone	Object ID	Assessment Comments	Assessment Solution or Additional Comment	To Be Completed By Designer		
				Problem / Observation Accepted (yes/no/n/a)	Recommended measure accepted (yes/no/n/a)	Designers Comments
Zone 1 Low	980	Broken paving / footway		Yes	N/A	Outside of scope of the scheme
	989	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	990	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	991	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	992	Inappropriately constructed vehicle crossover point		Yes	N/A	Issue resolved in the Proposed Design
	993	Inappropriately constructed vehicle crossover point		Yes	N/A	Issue resolved in the Proposed Design
	994	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	998	Unsuitable access for disabled users	No tactile paving at end of cycle lane	Yes	N/A	Issue resolved in the Proposed Design
	999	Unsuitable access for disabled users	Push button not working	Yes	N/A	Issue resolved in the Proposed Design
	1001	Unsuitable access for disabled users	Push button not working	Yes	N/A	Issue resolved in the Proposed Design
Zone 1 Medium	985	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	988	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	995	Unsuitable access for disabled users	No tactile paving at end of cycle lane	Yes	N/A	Issue resolved in the Proposed Design
Zone 1 High	1000	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	979	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	981	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	982	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	983	Footpath not provided		Yes	N/A	Issue resolved in the Proposed Design
	984	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	986	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	987	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
Zone 2 Low	1002	Inappropriately constructed vehicle crossover point		Yes	N/A	Issue resolved in the Proposed Design
	1007	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1008	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1009	Unsuitable access for disabled users	Weeds overgrown into footpath	Yes	N/A	Maintenance work required by local authority
	1010	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1011	Inappropriately constructed vehicle crossover point		Yes	N/A	Issue resolved in the Proposed Design
	1016	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1017	Unsuitable access for disabled users	Weeds overgrown into footpath	Yes	N/A	Maintenance work required by local authority
	1018	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1022	Broken kerbing		Yes	N/A	Issue resolved in the Proposed Design
	1023	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1024	Inappropriately constructed vehicle crossover point		Yes	N/A	Issue resolved in the Proposed Design
	1025	Unsuitable access for disabled users	Weeds overgrown into footpath	Yes	N/A	Maintenance work required by local authority
	Zone 2 Medium	996	Uneven paving / footway		Yes	N/A
1006		Unsuitable access for disabled users	Tree overgrown into footpath	Yes	N/A	Maintenance work required by local authority
1014		Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
1015		Inappropriately constructed vehicle crossover point		Yes	N/A	Issue resolved in the Proposed Design
Zone 2 High	1019	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	997	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	1003	Inappropriately constructed vehicle crossover point		Yes	N/A	Issue resolved in the Proposed Design
	1004	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1005	Inappropriately constructed vehicle crossover point		Yes	N/A	Issue resolved in the Proposed Design
	1012	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	1013	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	1020	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	1021	Footpath not provided		Yes	N/A	Issue resolved in the Proposed Design
Zone 3 Low	1026	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1031	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1032	Unsuitable access for disabled users	Weeds overgrown into footpath	Yes	N/A	Maintenance work required by local authority
	1033	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1034	Unsuitable access for disabled users	No tactile paving at start of cycle lane	Yes	N/A	Issue resolved in the Proposed Design
	1036	Unsuitable access for disabled users	No tactile paving at start of cycle lane	Yes	N/A	Issue resolved in the Proposed Design
	1038	Unsuitable access for disabled users	No tactile paving at cycle lane crossover	Yes	N/A	Issue resolved in the Proposed Design
	1039	Unsuitable access for disabled users	No tactile paving at cycle lane crossover	Yes	N/A	Issue resolved in the Proposed Design
	1045	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	1046	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	1047	Broken kerbing		Yes	N/A	Issue resolved in the Proposed Design
	1048	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1051	Unsuitable access for disabled users	Pathway marked as cycle lane, pointless white line, too narrow for path	Yes	N/A	Issue resolved in the Proposed Design
	1052	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
Zone 3 Medium	1043	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
Zone 3 High	1027	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	1028	Footpath not provided		Yes	N/A	Issue resolved in the Proposed Design
	1029	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	1030	Footpath not provided		Yes	N/A	Issue resolved in the Proposed Design
	1035	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	1037	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	1040	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	1041	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	1042	Footpath not provided		Yes	N/A	Issue resolved in the Proposed Design
	1044	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	1049	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	1050	Footpath not provided		Yes	N/A	Issue resolved in the Proposed Design
1053	No crossing facilities provided	This is located on the R132, on approach to Airport Roundabout. This is considered high severity as crossing requires unreasonable diversion, making it inaccessible.	No	N/A	There is no desire line for pedestrians to cross the junction at this location.	

	1054	Unsuitable access for disabled users		Yes	N/A	Issue resolved in the Proposed Design
	1055	Unsuitable access for disabled users		Yes	N/A	Issue resolved in the Proposed Design
	1056	Unsuitable access for disabled users		Yes	N/A	Issue resolved in the Proposed Design
	1057	Unsuitable access for disabled users		Yes	N/A	Issue resolved in the Proposed Design
	1058	Unsuitable access for disabled users		Yes	N/A	Issue resolved in the Proposed Design
	1059	Unsuitable access for disabled users		Yes	N/A	Issue resolved in the Proposed Design
Zone 4 Low	1060	Unsuitable access for disabled users	No tactile paving at start of cycle lane	Yes	N/A	Issue resolved in the Proposed Design
	1062	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1063	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
Zone 4 Medium	1064	Unsuitable access for disabled users	Push button not working	Yes	N/A	Issue resolved in the Proposed Design
Zone 4 High	1061	No crossing facilities provided	This is located on the RT32, south of Airport Roundabout. This is high severity as crossing requires unreasonable diversion, making it inaccessible.	No	N/A	There is no desire line for pedestrians to cross the junction at this location
Zone 5 Low	1065	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1066	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1067	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1068	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1071	Unsuitable access for disabled users	No tactile paving at end of cycle lane	Yes	N/A	Issue resolved in the Proposed Design
Zone 5 Medium	1069	Unsuitable access for disabled users	No tactile paving at start of cycle lane	Yes	N/A	Issue resolved in the Proposed Design
	1072	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design
	1073	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design
Zone 6 Low	1075	Unsuitable access for disabled users	Tree overgrown into path	Yes	N/A	Maintenance work required by local authority
	1076	No tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	1079	Unsuitable access for disabled users	Weeds overgrown into footpath	Yes	N/A	Maintenance work required by local authority
	1080	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1083	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1085	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1086	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1089	Unsuitable access for disabled users	Weeds growing in path	Yes	N/A	Maintenance work required by local authority
	1091	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1094	Dropped kerbs not flush with crossing		Yes	N/A	Issue resolved in the Proposed Design
	1095	Dropped kerbs not flush with crossing		Yes	N/A	Issue resolved in the Proposed Design
	1097	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1098	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1104	Unsuitable access for disabled users	Bushes overgrown into footpath	Yes	N/A	Maintenance work required by local authority
	1105	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1106	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1107	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
1108	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design	
Zone 6 Medium	1070	Unsuitable access for disabled users	Tree overgrown into path	Yes	N/A	Maintenance work required by local authority
	1074	Unsuitable access for disabled users	No tactile paving at end of cycle lane	Yes	N/A	Issue resolved in the Proposed Design
	1081	Inappropriately constructed vehicle crossover point		Yes	N/A	Issue resolved in the Proposed Design
	1082	Inappropriately constructed vehicle crossover point		Yes	N/A	Issue resolved in the Proposed Design
	1088	Inappropriately constructed vehicle crossover point	Cars driving over footpath, while adjacent crossing point without facilities is used for parking	Yes	N/A	Issue resolved in the Proposed Design
	1088	No crossing facilities provided	Cars driving over footpath, while adjacent crossing point without facilities is used for parking	Yes	N/A	Issue resolved in the Proposed Design
	1090	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	1093	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1096	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1099	Inappropriately constructed vehicle crossover point		Yes	N/A	Issue resolved in the Proposed Design
	1100	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1101	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1103	No tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	Zone 6 High	1077	Crossings not aligned		Yes	N/A
1078		Dropped kerbs not flush with crossing		Yes	N/A	Issue resolved in the Proposed Design
1084		No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
1087		Signpost in footway		Yes	N/A	Issue resolved in the Proposed Design
1092		No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
1102		No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
Zone 7 Low	1111	No level difference between footpath and cycle lane		Yes	N/A	Issue resolved in the Proposed Design
	1112	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1113	No level difference between footpath and cycle lane		Yes	N/A	Issue resolved in the Proposed Design
	1116	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1117	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1118	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	1119	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design
	1121	No level difference between footpath and cycle lane		Yes	N/A	Issue resolved in the Proposed Design
	1123	Broken kerbing		Yes	N/A	Issue resolved in the Proposed Design
	1124	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1125	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
Zone 7 Medium	1126	Inappropriately constructed vehicle crossover point		Yes	N/A	Issue resolved in the Proposed Design
	1127	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1109	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1110	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1114	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	1115	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	1120	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1122	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	1128	Insufficient footpath width		Yes	N/A	Issue resolved in the Proposed Design
	1129	Unsuitable access for disabled users	Tree overgrown into footpath	Yes	N/A	Maintenance work required by local authority
Zone 8 Low	1131	Footpath not provided		Yes	N/A	Issue resolved in the Proposed Design
	1133	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1134	Inappropriately constructed vehicle crossover point		Yes	N/A	Issue resolved in the Proposed Design
	1135	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design
	1136	Crossings not aligned		Yes	N/A	Issue resolved in the Proposed Design
	1137	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1138	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	1139	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	1140	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	1141	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	1142	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Maintenance work required by local authority
	1145	Dropped kerbs not flush with crossing		Yes	N/A	Issue resolved in the Proposed Design
1146	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design	

Zone 8 Medium	1147	Vehicles parked in footway		Yes	N/A	Issue resolved in the Proposed Design
	1149	Broken kerbing		Yes	N/A	Issue resolved in the Proposed Design
	1150	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1151	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1152	Broken kerbing		Yes	N/A	Issue resolved in the Proposed Design
	1153	Inappropriately constructed vehicle crossover point		Yes	N/A	Issue resolved in the Proposed Design
	1156	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1158	Inappropriately constructed vehicle crossover point		Yes	N/A	Issue resolved in the Proposed Design
	1159	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1130	Insufficient footpath width		Yes	N/A	Issue resolved in the Proposed Design
Zone 8 Medium	1132	Road Surfacing at Crossing Poor		Yes	N/A	Issue resolved in the Proposed Design
	1143	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design
	1144	Crossings not aligned		Yes	N/A	Issue resolved in the Proposed Design
	1148	Unsuitable access for disabled users	Cars parked on dropped kerbs	Yes	N/A	Maintenance work required by local authority
	1155	Crossings not aligned		Yes	N/A	Issue resolved in the Proposed Design
	1157	Crossings not aligned		Yes	N/A	Issue resolved in the Proposed Design
	1162	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	1163	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1164	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	1165	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Maintenance work required by local authority
Zone 9 Low	1166	Unsuitable access for disabled users	Push button not working	Yes	N/A	Maintenance work required by local authority
	1168	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	1169	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	1170	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design
	1171	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design
	1172	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1173	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	1174	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1175	Lamp post in footway		Yes	N/A	Issue resolved in the Proposed Design
	1179	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
Zone 9 Medium	1180	Unsuitable access for disabled users	Hedge overgrown onto path	Yes	N/A	Maintenance work required by local authority
	1181	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	1182	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	1183	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	1184	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1185	Unsuitable access for disabled users	Weeds overgrown on footpath	Yes	N/A	Maintenance work required by local authority
	1186	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1187	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	1161	Insufficient footpath width		Yes	N/A	Issue resolved in the Proposed Design
	1176	Vehicles parked in footway		Yes	N/A	Issue resolved in the Proposed Design
Zone 9 High	1178	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1177	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
Zone 10 Low	1189	No crossing facilities provided		No	N/A	No crossing is proposed at this location due to the road becoming a quiet street
	1190	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1191	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1193	Crossings not aligned		Yes	N/A	Issue resolved in the Proposed Design
	1196	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1197	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1198	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1199	Ponding		Yes	N/A	Issue resolved in the Proposed Design
	1200	Road Surfacing at Crossing Poor		Yes	N/A	Issue resolved in the Proposed Design
	1201	Ponding		Yes	N/A	Issue resolved in the Proposed Design
Zone 10 Medium	1202	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1203	Broken kerbing		Yes	N/A	Issue resolved in the Proposed Design
	1204	No level difference between footpath and cycle lane		Yes	N/A	Issue resolved in the Proposed Design
	1205	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1206	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1207	No level difference between footpath and cycle lane		Yes	N/A	Issue resolved in the Proposed Design
	1208	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1210	Ponding		No	N/A	Outside of scope of the scheme
	1214	No level difference between footpath and cycle lane		Yes	N/A	Issue resolved in the Proposed Design
	1215	Unsuitable access for disabled users	Tree hanging into footpath	Yes	N/A	Maintenance work required by local authority
Zone 10 High	1216	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1218	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1219	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	1220	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1221	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	1223	Ponding		Yes	N/A	Issue resolved in the Proposed Design
	1224	Road Surfacing at Crossing Poor		Yes	N/A	Issue resolved in the Proposed Design
	1225	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1188	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1192	Unsuitable access for disabled users	No tactile paving at crossing of cycle lane	Yes	N/A	Issue resolved in the Proposed Design
Zone 10 High	1194	Road Surfacing at Crossing Poor		Yes	N/A	Issue resolved in the Proposed Design
	1195	Road Surfacing at Crossing Poor		Yes	N/A	Issue resolved in the Proposed Design
	1211	Ponding		Yes	N/A	Issue resolved in the Proposed Design
	1212	Ponding		Yes	N/A	Issue resolved in the Proposed Design
	1213	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1217	Vehicles parked in footway		Yes	N/A	Issue resolved in the Proposed Design
	1222	Inappropriately constructed vehicle crossover point		Yes	N/A	Issue resolved in the Proposed Design
	1209	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	1226	No crossing facilities provided		No	N/A	Alternative Toucan crossing provided 250m south of junction
	1227	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
1228	No crossing facilities provided		No	N/A	Alternative Toucan crossing provided 250m south of junction	
Zone 10 High	1229	No level difference between footpath and cycle lane		Yes	N/A	Issue resolved in the Proposed Design
	1230	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design
	1231	Unsuitable access for disabled users	No tactile paving at cycle lane crossover	Yes	N/A	Issue resolved in the Proposed Design
	1232	Unsuitable access for disabled users	No tactile paving at cycle lane crossover	Yes	N/A	Issue resolved in the Proposed Design
	1233	No crossing facilities provided	Whole junction	Yes	N/A	Issue resolved in the Proposed Design
	1234	Unsuitable access for disabled users	Broken trees in middle of path	Yes	N/A	Maintenance work required by local authority
	1235	Unsuitable access for disabled users	Very mucky	Yes	N/A	Maintenance work required by local authority
	1236	Unsuitable access for disabled users	No tactile paving at end of cycle lane	Yes	N/A	Issue resolved in the Proposed Design
	1240	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
	1241	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design
1243	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design	
1244	Unsuitable access for disabled users	No tactile paving at end of cycle lane	Yes	N/A	Issue resolved in the Proposed Design	
1245	No level difference between footpath and cycle lane		Yes	N/A	Issue resolved in the Proposed Design	
1246	Unsuitable access for disabled users	Push button 2m back from kerb?	Yes	N/A	Issue resolved in the Proposed Design	
1248	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design	
1249	Ponding		Yes	N/A	Issue resolved in the Proposed Design	
1250	Ponding		Yes	N/A	Issue resolved in the Proposed Design	

Zone 11 Low	1252	Unsuitable access for disabled users	No tactile paving at cycle lane crossover	Yes	N/A	Issue resolved in the Proposed Design	
	1253	Ponding		Yes	N/A	Issue resolved in the Proposed Design	
	1255	Ponding		Yes	N/A	Issue resolved in the Proposed Design	
	1256	Ponding		Yes	N/A	Issue resolved in the Proposed Design	
	1257	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
	1258	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design	
	1259	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
	1261	Unsuitable access for disabled users	Tree starting to grow into footpath	Yes	N/A	Maintenance work required by local authority	
	1264	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
	1265	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design	
	1267	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
	1269	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design	
	1271	Dropped kerbs not flush with crossing		Yes	N/A	Issue resolved in the Proposed Design	
	1272	Unsuitable access for disabled users	Push button not working	Yes	N/A	Issue resolved in the Proposed Design	
	1274	No level difference between footpath and cycle lane		No	N/A	The cycle lane cannot be lowered due to the presence of roots from the existing trees, situation to remain as it is with no level difference	
	1275	Vehicles parked in footway		Yes	N/A	Issue resolved in the Proposed Design	
	1276	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design	
	1278	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design	
	1281	Unsuitable access for disabled users	No tactile paving at end of cycle lane	Yes	N/A	Issue resolved in the Proposed Design	
	1282	No level difference between footpath and cycle lane		No	N/A	The cycle lane cannot be lowered due to the presence of roots from the existing trees, situation to remain as it is with no level difference	
	1283	Ponding		Yes	N/A	Issue resolved in the Proposed Design	
	1288	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design	
	1290	Unsuitable access for disabled users	No tactile paving at end of cycle lane	Yes	N/A	Issue resolved in the Proposed Design	
	1291	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design	
	1293	Vehicles parked in footway		Yes	N/A	Issue resolved in the Proposed Design	
	1295	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
	1297	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design	
	1298	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design	
	1299	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
	Zone 11 Medium	1242	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design
1247		Unsuitable access for disabled users	Push button not working	Yes	N/A	Issue resolved in the Proposed Design	
1254		Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
1260		Ponding		Yes	N/A	Issue resolved in the Proposed Design	
1262		Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
1263		Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
1266		Ponding		Yes	N/A	Issue resolved in the Proposed Design	
1270		Ponding		Yes	N/A	Issue resolved in the Proposed Design	
1273		Road Surfacing at Crossing Poor		Yes	N/A	Issue resolved in the Proposed Design	
1284		Unsuitable access for disabled users	Hedge overgrown into footpath	Yes	N/A	Maintenance work required by local authority	
1285		Ponding		Yes	N/A	Issue resolved in the Proposed Design	
1286		Unsuitable access for disabled users	No tactile paving at end of cycle lane	Yes	N/A	Issue resolved in the Proposed Design	
1287		No tactile paving at crossing	One side only	Yes	N/A	Issue resolved in the Proposed Design	
1292		Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design	
1294		Vehicles parked in footway		Yes	N/A	Issue resolved in the Proposed Design	
1296		Inappropriately constructed vehicle crossover point		Yes	N/A	Issue resolved in the Proposed Design	
Zone 11 High		1237	Ponding		Yes	N/A	Issue resolved in the Proposed Design
		1238	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
		1239	Ponding		Yes	N/A	Issue resolved in the Proposed Design
		1251	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design
	1268	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
	1277	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
	1279	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design	
	1280	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design	
	1289	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
	1306	Inappropriate street furniture	Are so many bollards necessary?	Yes	N/A	Outside of scope of the scheme	
Zone 12 Low	1308	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design	
	1311	Dropped kerbs not flush with crossing		Yes	N/A	Issue resolved in the Proposed Design	
	1312	Broken kerbing		Yes	N/A	Issue resolved in the Proposed Design	
	1314	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design	
	1315	Broken paving / footway		Yes	N/A	Outside of scope of the scheme	
	1321	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design	
	1322	Unsuitable access for disabled users	Push button not working	Yes	N/A	Issue resolved in the Proposed Design	
	1323	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design	
	1325	No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design	
	1327	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design	
	1329	Vehicles parked in footway		Yes	N/A	Issue resolved in the Proposed Design	
	1330	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design	
	1332	Inappropriately constructed vehicle crossover point		Yes	N/A	Issue resolved in the Proposed Design	
	1335	Unsuitable access for disabled users	No tactile paving at end of cycle lane	Yes	N/A	Issue resolved in the Proposed Design	
	1336	No level difference between footpath and cycle lane		Yes	N/A	Issue resolved in the Proposed Design	
	1337	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
	1338	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design	
	1339	Broken paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
	1341	Ponding		Yes	N/A	Issue resolved in the Proposed Design	
	1342	Ponding		Yes	N/A	Issue resolved in the Proposed Design	
	1345	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design	
	1346	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design	
	1348	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design	
	1350	No level difference between footpath and cycle lane		Yes	N/A	Issue resolved in the Proposed Design	
	1352	No level difference between footpath and cycle lane		No	N/A	The cycle lane cannot be lowered due to the presence of roots from the existing trees, situation to remain as it is with no level difference	
	1357	Unsuitable access for disabled users	Water dripping from railway bridge	Yes	N/A	Maintenance work required by local authority	
1358	Broken kerbing		Yes	N/A	Issue resolved in the Proposed Design		
1359	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design		
1360	Road Surfacing at Crossing Poor		Yes	N/A	Issue resolved in the Proposed Design		
1365	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design		
1366	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design		
1367	Unsuitable access for disabled users	Water dripping from railway bridge	Yes	N/A	Maintenance work required by local authority		
1369	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design		
1371	Ponding		Yes	N/A	Issue resolved in the Proposed Design		
1372	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design		
1373	No tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design		
1374	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design		
1386	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design		
1387	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design		
1388	Ponding		Yes	N/A	Issue resolved in the Proposed Design		
1301	Vehicles parked in footway		Yes	N/A	Issue resolved in the Proposed Design		
1302	Ponding		Yes	N/A	Issue resolved in the Proposed Design		
1303	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design		
1304	Ponding		Yes	N/A	Issue resolved in the Proposed Design		
1309	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design		
1313	Unsuitable access for disabled users	Narrow section of path	Yes	N/A	Issue resolved in the Proposed Design		
1317	Ponding		Yes	N/A	Issue resolved in the Proposed Design		
1324	Unsuitable access for disabled users	No tactile paving at end cycle lane	Yes	N/A	Issue resolved in the Proposed Design		

Zone 12 Medium	1326	No level difference between footpath and cycle lane		Yes	N/A	Issue resolved in the Proposed Design	
	1328	No crossing facilities provided		Yes	N/A	A raised table cant not be provided due to the site constraints.	
	1333	Ponding		Yes	N/A	Issue resolved in the Proposed Design	
	1334	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
	1340	No crossing facilities provided		No	N/A	Constraints of a slope on either side of the carriageway do not allow for a pedestrian crossing to be provided. Pedestrian crossings are provided north and south of the junction.	
	1343	Ponding		Yes	N/A	Issue resolved in the Proposed Design	
	1347	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design	
	1349	No tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design	
	1351	No tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design	
	1353	No tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design	
	1354	Unsuitable access for disabled users	No tactile paving at crossing of cycle lane	Yes	N/A	Issue resolved in the Proposed Design	
	1355	No tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design	
	1364	Vehicles parked in footway		Yes	N/A	Issue resolved in the Proposed Design	
	1383	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design	
	1384	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design	
	1385	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design	
	Zone 12 High	1305	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
1307		Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
1310		No crossing facilities provided		No	N/A	Pedestrians are directed to use the proposed footbridge across Tolka River west of the Frank Flood Bridge	
1316		No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design	
1319		No crossing facilities provided		No	N/A	Pedestrians are directed to use the proposed footbridge across Tolka River west of the Frank Flood Bridge or use the proposed toucan crossings on the other arms of the junction.	
1320		No crossing facilities provided		Yes	N/A	Issue resolved in the Proposed Design	
1331		Inappropriately constructed vehicle crossover point		Yes	N/A	Issue resolved in the Proposed Design	
1331		no dropped kerbs at crossing		Yes	N/A	Issue resolved in the Proposed Design	
1344		Road Surfacing at Crossing Poor		Yes	N/A	Issue resolved in the Proposed Design	
1356		Inappropriate street furniture		No	N/A	Stone steps cannot be removed.	
1361		Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design	
1362		No tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design	
1363		Vehicles parked in footway		Yes	N/A	Issue resolved in the Proposed Design	
1368		Unsuitable access for disabled users		Yes	N/A	Issue resolved in the Proposed Design	
1375		Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
1377		Ponding		Yes	N/A	Issue resolved in the Proposed Design	
1379		Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design	
1382		Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
Zone 13 Low		1389	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
		1390	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1392	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design	
	1395	Ponding		Yes	N/A	Issue resolved in the Proposed Design	
	1396	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design	
	1397	Vehicles parked in footway		Yes	N/A	Issue resolved in the Proposed Design	
	1398	Dropped kerbs not flush with crossing		Yes	N/A	Issue resolved in the Proposed Design	
	1399	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design	
	1400	No tactile paving at crossing	One side only	Yes	N/A	Issue resolved in the Proposed Design	
	1401	Ponding		Yes	N/A	Issue resolved in the Proposed Design	
	1402	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
	1403	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design	
	1404	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
	1405	Uneven paving / footway		No	N/A	Issue resolved in the Proposed Design	
	1407	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design	
	1408	Vehicles parked in footway		Yes	N/A	Issue resolved in the Proposed Design	
	1409	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design	
	1411	Bus pole not identified in Braille		Yes	N/A	Issue resolved in the Proposed Design	
	Zone 13 Medium	1412	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
		1451	Vehicles parked in footway		No	N/A	Issue resolved in the Proposed Design
1452		Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
1378		Unsuitable access for disabled users	Really long wait for green light	Yes	N/A	Issue resolved in the Proposed Design	
1380		Unsuitable access for disabled users	Push button not working	Yes	N/A	Issue resolved in the Proposed Design	
1381		Inappropriate street furniture		Yes	N/A	Issue resolved in the Proposed Design	
1393		Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
1406		Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design	
1410		Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
1413		Unsuitable access for disabled users	Push button not working	Yes	N/A	Issue resolved in the Proposed Design	
1450		Uneven paving / footway		No	N/A	Issue resolved in the Proposed Design	
1454		Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
1455		Inappropriately constructed vehicle crossover point		No	N/A	There is a raised table in the existing situation however it cant not be raised further due to the site constraints. A drop kerb has been provided at the footpath approach to the ramp and the ramp will have different colour paving which will distinguish between ramp and footpath	
1455		Road Surfacing at Crossing Poor		Yes	N/A	Issue resolved in the Proposed Design	
Zone 13 High		1376	No crossing facilities provided		No	N/A	Alternative crossing points are provided on other arms of the junction
		1394	Uneven paving / footway	This is located along Dorset Street Lower, north of Ruco café. This is high severity as it presents a trip hazard for visually impaired pedestrians, and difficulty for those with reduced mobility.	No	N/A	Private Cellar is not being acquired.
		1453	Uneven paving / footway	This is located along Dorset Street Upper, outside Maye's pub. This is considered high severity as it presents a trip hazard for visually impaired pedestrians, and difficulty for those with reduced mobility.	No	N/A	Private Cellar is not being acquired.
Sub Route 1 Low	1415	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design	
	1417	Road Surfacing at Crossing Poor		Yes	N/A	Issue resolved in the Proposed Design	
	1418	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design	
	1419	Road Surfacing at Crossing Poor		Yes	N/A	Issue resolved in the Proposed Design	
	1422	Unsuitable access for disabled users	Push button not working	Yes	N/A	Issue resolved in the Proposed Design	
	1423	Incorrect tactile paving at crossing		Yes	N/A	Issue resolved in the Proposed Design	
	1424	Unsuitable access for disabled users	Tree hanging into footpath	Yes	N/A	Maintenance work required by local authority	
	1425	Ponding		Yes	N/A	Issue resolved in the Proposed Design	
	1426	Dropped kerbs not flush with crossing		Yes	N/A	Issue resolved in the Proposed Design	
	1427	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design	
	1429	Unsuitable access for disabled users	Push button not vibrating	Yes	N/A	Issue resolved in the Proposed Design	
	1430	Inappropriate street furniture		No	N/A	No inappropriate street furniture found	
	1432	Ponding		No	N/A	Maintenance work required by local authority	
	1433	Ponding		No	N/A	Maintenance work required by local authority	
	1434	Road Surfacing at Crossing Poor		Yes	N/A	Issue resolved in the Proposed Design	
	1435	Bus pole not identified in Braille	Multiple stops along this section of street	Yes	N/A	Issue resolved in the Proposed Design	
	1436	No pedestrian refuge for long crossing		No	N/A	Issue resolved in the Proposed Design	
1437	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design		
1438	Bus pole not identified in Braille	Multiple bus stops along this street section	Yes	N/A	Issue resolved in the Proposed Design		
1442	Unsuitable access for disabled users	Tree hanging into footpath	Yes	N/A	Maintenance work required by local authority		

	1445	Unsuitable access for disabled users	Push button not working	Yes	N/A	Issue resolved in the Proposed Design
	1447	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1448	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
	1449	Uneven paving / footway		Yes	N/A	Issue resolved in the Proposed Design
Sub Route 1 Medium	1416	Unsuitable access for disabled users	Push button not working	Yes	N/A	Issue resolved in the Proposed Design
	1420	Unsuitable access for disabled users	Push button not working	Yes	N/A	Issue resolved in the Proposed Design
	1421	Unsuitable access for disabled users	Push button not working	Yes	N/A	Issue resolved in the Proposed Design
	1431	Inappropriate street furniture	Across from Gate theatre	No	N/A	No inappropriate street furniture found
	1440	Unsuitable access for disabled users	People at bus stop block the narrow path	Yes	N/A	Issue resolved in the Proposed Design
	1444	Unsuitable access for disabled users	Push button not working	Yes	N/A	Issue resolved in the Proposed Design
Sub Route 1 High	1414	No crossing facilities provided	This is located on Frederick Street North. This is high severity as there is no alternative to crossing at this point, making it inaccessible.	Yes	N/A	Issue resolved in the Proposed Design
	1439	No crossing facilities provided	This is located on Parnell Square West, opposite Rotunda Hospital. This is high severity as there is no alternative to crossing at this point, making it inaccessible.	Yes	N/A	Issue resolved in the Proposed Design
	1441	No crossing facilities provided	This is located on Parnell Square West, at the junction with Parnell Square North. This is high severity as crossing requires unreasonable diversion, making it inaccessible.	No	N/A	This issue will be addressed by the DCC Parnell Square Urban Renewal Plans
	1443	No crossing facilities provided	This is located on Parnell Square North. This is high severity as there is no alternative to crossing at this point, making it inaccessible.	No	N/A	This issue will be addressed by the DCC Parnell Square Urban Renewal Plans
	1446	No crossing facilities provided	This is located on Granby Row, at Granby Lane. This is high severity as there is no alternative to crossing at this point, making it inaccessible.	Yes	N/A	Issue resolved in the Proposed Design