

Determination of a Public Service Obligation following the cessation of Suirway services in Waterford

October 2022

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1. Introduction

1.1 Introduction

Suirway Bus and Coach Services Limited currently operate licensed local bus services providing connectivity to Waterford City from nearby towns and villages including Portlaw, Dunmore East and Passage East. These routes, 608, 609, 610 and 611, offer essential public transport accessibility to jobs, services, healthcare, shopping destinations and onward connections within the city.

Licenced services such as that operated by Suirway have been drastically impacted by the Covid-19 crisis. To support the licensed bus sector throughout Covid, the Government introduced a support scheme in June of 2020. This ended on 30th June 2022. Suirway has now made the difficult decision to cease providing their bus services and will not be renewing their licences, with the last day of operation being the 31st October 2022. The expiration of their licences from this date means that there will no longer be any regular public transport services connecting Portlaw, Dunmore East and Passage East with Waterford City.

This document examines the impact of the loss of local bus services and determines (following the expiry of licence) whether there will then be a Public Service Obligation (PSO) for this area.

1.2 Structure of this Document

The document is structured as follows.

- Chapter 2 profiles the services Suirway currently operate on the eastern outskirts of Waterford City. It provides a brief description of the settlements served, the level of service and the impact of their withdrawal.
- Chapter 3 utilises a similar format but focuses on route 609 which serves the western outskirts of Waterford City including Portlaw.
- Chapter 4 outlines the network of services the Authority has identified to replace the discontinued routes.
- Chapter 5 concludes the report with a determination of the PSO requirement and recommended next steps.

2. Waterford East Services

2.1 Dunmore East Profile

Dunmore East had a population of 1,808 and 318 jobs in 2016. 10% of households within the town have no access to a car, while a further 45% are single car households. There are 618 outbound work and education trips generated daily from the settlement, of which 481 (78%) have their destination in Waterford City. 75% of all work and education trips are currently by private car. This represents a

market for travel which is currently dominated by the private car (which is unsustainable into the future) and does not align with national transport policy objectives. This therefore in the Authority's view is a ready market for regular local bus services.

2.2 Passage East Profile

Passage East had a population of 827 and 257 jobs in 2016. 10% of households within the town have no access to a car, while a further 39% are single car households. There are 304 outbound work and education trips generated daily from the settlement, of which 239 (79%) have their destination in Waterford City. 78% of all work and education trips are currently by private car. This represents a market for travel which is currently dominated by the private car (which is unsustainable into the future) and does not align with national transport policy objectives. This therefore in the Authority's view is a ready market for regular local bus services.

2.3 Waterford City Profile

Route 608, 610 and 611 provide connections to and from Waterford City, which is the largest urban centre in the South East, and the country's fifth largest city. It is also the fifth largest centre of employment and is a regional economic driver for the South East. Employment is concentrated in the city centre, the IDA business park on the western outskirts of the city, the University Hospital and the South East Technological University (SETU). SETU is also an important educational destination with over 10,000 students enrolled in campuses across the city. Furthermore, there are 18 primary schools and 9 secondary schools within Waterford City. Waterford has a significant retail and cultural core such as the Viking Triangle, the Quays and Apple Market. The city is an important transport hub for inter-urban bus and rail travel to Dublin, Cork, and Limerick.

With its high population and wide range of trip attractors, the city and immediate environs generate a significant demand for travel. There are approximately 197,000 trips originating within the Waterford Metropolitan Area (WMA)¹. The WMA includes Waterford City and Suburbs, Ferrybank, Passage East and Slieverue. Provision of an integrated public transport network is essential in ensuring that there are attractive and sustainable transport options in place for trips to, from and within the city.

2.4 The Socio-Economic Benefits of the Services

The socio-economic benefits of public transport in general are set out below:

- Public transport provides essential services for society by enabling people to travel to and from work, education, shops, hospitals, visiting friends and family and a range of other essential and leisure activities;
- For many people public transport provides the only means of taking such trips. Many people do not have access to a car, some are unable to drive due to medical problems, some are too

¹ Waterford Metropolitan Area Draft Transport Strategy, 2022

young, some are too old and even for those with access to a car there may be no parking facilities at their destination;

- Public transport is an effective and efficient method of facilitating mobility within and between towns and cities and supports economic activity whilst reducing carbon emissions;
- Without public transport many people are isolated, leading to physical and mental health issues;
- The lack of public transport provision increases car dependency. Increased trip making by
 private car increases the likelihood of traffic congestion, increased road traffic collisions and
 fatalities, reduced air quality and suppressed economic activity. Also, a direct result of
 increased car use and the associated congestion is longer journey times, and a significant
 deterioration in the quality of life for car drivers and passengers, pedestrians, cyclists, and
 those living close to main roads; and
- Public transport is a critical facilitator of active travel aspirations in towns by providing access to and through town centres where car access is restrained.

2.5 Transport Policy Basis

The provision of a regular scheduled bus services connecting Passage East and Dunmore East to Waterford supports:

- The National Strategic Outcomes (NSO) from the National Planning Framework (NPF) for "Enhanced Regional Accessibility", "Strengthened Rural Economies and Communities", "Sustainable Mobility", and "Transition to a Low Carbon and Climate Resilient Society";
- The delivery of national climate objectives as set out in the Climate Action Plan by encouraging a shift from private to sustainable modes; and
- The NTA's *Statement of Strategy 2018-2022* to "provide high quality, accessible, sustainable transport connecting people across Ireland".

2.6 The Urgency Associated with the Need to Secure the Services

The impending withdrawal of services will mean that there will be a lack of any local public transport services serving Dunmore East or Passage East. This will mean on and from 01 November 2022:

- Reduced local access from Dunmore East and Passage East to the retail, service and cultural activities in Waterford City.
- Reduced local access from Dunmore East and Passage East to University Hospital Waterford.
- Reduced connections from Dunmore East and Passage East to the inter-urban bus and rail transport network in Waterford, significantly reducing the public transport accessibility levels of Waterford and reduction of the catchments of these services.
- Potentially reduced economic activity in the Dunmore East and Passage East areas.

With travel demand recovering post Covid-19, a local bus service is urgently required to connect Dunmore East and Passage East to Waterford, and with the formal expiration of the existing licenses at the end of October this year, there is a need for the Authority to step in to continue to provide such a service.

2.7 Service Analysis of Routes 608 / 610 / 611

The map below shows the local bus services currently being operated by Suirway, which are due to cease operating on the 31st October 2022. It comprises of four routes connecting the settlements of Portlaw, Kilmeaden, Dunmore East and Passage East to Waterford City. Detailed timetables are provided at the end of this document as an annex.

608: Waterford – Passage East

One return trip in the AM interpeak Monday to Friday with two return trips in the morning and afternoon on Saturdays, no Sunday service provided.

610: Waterford – Passage East

One school term time return trip from Passage East to Waterford, Merchant's Quay.

611: Waterford – Dunmore East

Seven return trips Monday – Friday, 9 on Saturday throughout the day from 08:00 to 18:00. Note that the level of service is increased on Mo-Sa and a Sunday service provided during the months of July and August each year recognising the amenity role of Dunmore East to Waterford.

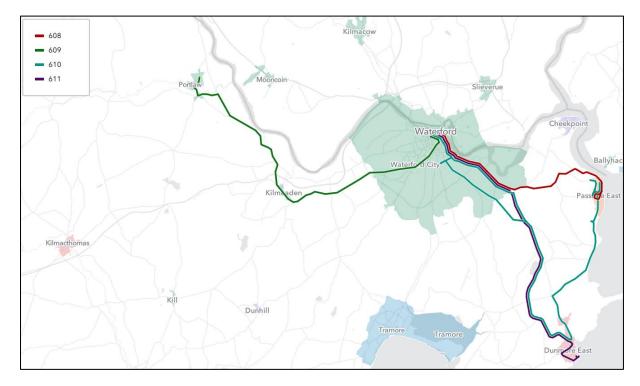


Figure 1: Suirway Services due to expire on 31st October 2022

2.8 Potential Impact of the Withdrawal of Service

The current Suirway services provide the only regular public transport services in the eastern part of County Waterford, east of a line between Waterford City and Tramore. The withdrawal of Routes 608, 610 and 611 will effectively disconnect all of the population of East County Waterford, including the settlements of Dunmore East and Passage East, from access to both Waterford City and onward travel opportunities on the wider interurban transport network.

As a result of this, it is concluded that the impact of the withdrawal of Routes 608, 610 and 611 will be a complete removal of public transport services for all residents of this quadrant.

3. Waterford West Services

3.1 Waterford Profile

Route 609 provides connections to and from Waterford City, which is the largest urban centre in the South East, and the country's fifth largest city. It is also the fifth largest centre of employment and is a regional economic driver for the South East. Employment is concentrated in the city centre, the IDA business park on the western outskirts of the city, the University Hospital and the South East Technological University (SETU). SETU is also an important educational destination with over 10,000 students enrolled in campuses across the city. Furthermore, there are 18 primary schools and 9 secondary schools within Waterford City. Waterford has a significant retail and cultural core such as the Viking Triangle, the Quays and Apple Market. The city is an important transport hub for inter-urban bus and rail travel to Dublin, Cork, and Limerick.

With its high population and wide range of trip attractors, the city and immediate environs generate a significant demand for travel. There are approximately 197,000 trips originating within the Waterford Metropolitan Area (WMA)². The WMA includes Waterford City and Suburbs, Ferrybank, Passage East and Slieverue. Whilst Portlaw and Kilmeaden are located outside the WMA both settlements have a strong functional relationship with the city and further contribute to the high volume of travel to, from and within the WMA.

Provision of an integrated public transport network is essential in ensuring that there are attractive and sustainable transport options in place to meet this high demand for travel.

3.2 Portlaw Profile

Portlaw is a small town with a limited range of amenities and services. The town has a population of over 1,700 with just 148 jobs located within the environs of the town. This low ratio of jobs to population, less than a third the regional average, along with the limited range of services requires onward travel to larger urban centres as a necessary requirement for everyday life. Waterford city is the nearest large urban centre and offers a wide range of employment, education, social and healthcare services.

The town has a functional relationship with Waterford and 331 trips for work and education from Portlaw to the city are made daily (CSO 2016). This number is more than the total number of commute trips made wholly within Portlaw (234) demonstrating the importance of travel to Waterford for the town. Carrick on Suir (40), Piltown (9) and Kilmeaden (8) are also nearby destinations for commute trips from Portlaw.

70% of commute trips to Waterford from Portlaw are currently by private car. The withdrawal of the Suirway service would further limit options for travel in a market which is currently dominated by the

² Waterford Metropolitan Area Draft Transport Strategy, 2022

private car. This is unsustainable into the future, and does not align with national transport policy objectives. It is the Authority's view that there is a requirement for a Rural Bus Service to serve Portlaw.

3.3 Kilmeaden Profile

Kilmeaden is a much smaller settlement than Portlaw with a population of 249 (CSO 2016). The village has a limited range of services and amenities and trips out of the village to nearby larger urban centres is an essential requirement for the needs of everyday life. Waterford is the most popular nearby destination with 77 daily trips from Kilmeaden. This trip is well served by public transport options including the route currently provided by Suirway as well as routes 40, 367A and 362.

Table 1: CSO POWSCAR Data 2016

To/From	Waterford	Portlaw	Kilmeaden
Waterford		15	19
Portlaw	331		8
Kilmeaden	77	0	

3.4 Stops along the R680

On approach to Waterford, the Suirway route stops at several crossroads including Tramore Cross and Butlerstown Cross. These areas are rural with dispersed housing and no pedestrian infrastructure. The stops do serve a small number of trip attractors such as a garden centre and GAA club. The R680 is used by other routes on approach to the city including routes 362 and 367A but only the Suirway route serves these stops.

3.5 The Socio-Economic Benefits of the Service

The socio-economic benefits of public transport in general are set out below:

- Public transport provides essential services for society by enabling people to travel to and from work, education, shops, hospitals, visiting friends and family and a range of other essential and leisure activities;
- For many people public transport provides the only means of taking such trips. Many people do not have access to a car, some are unable to drive due to medical problems, some are too young, some are too old and even for those with access to a car there may be no parking facilities at their destination;
- Public transport is an effective and efficient method of facilitating mobility within and between towns and cities and supports economic activity whilst reducing carbon emissions;
- Without public transport many people are isolated, leading to physical and mental health issues;
- The lack of public transport provision increases car dependency. Increased trip making by private car increases the likelihood of traffic congestion, increased road traffic collisions and fatalities, reduced air quality and suppressed economic activity. Also, a direct result of

increased car use and the associated congestion is longer journey times, and a significant deterioration in the quality of life for car drivers and passengers, pedestrians, cyclists, and those living close to main roads; and

• Public transport is a critical facilitator of active travel aspirations in towns by providing access to and through town centres where car access is restrained.

3.6 Transport Policy Basis

The provision of a rural bus service connecting Portlaw to Waterford supports:

- The National Strategic Outcomes (NSO) from the National Planning Framework (NPF) for "Enhanced Regional Accessibility", "Strengthened Rural Economies and Communities", "Sustainable Mobility", and "Transition to a Low Carbon and Climate Resilient Society";
- The delivery of national climate objectives as set out in the Climate Action Plan by encouraging a shift from private to sustainable modes; and
- The NTA's *Statement of Strategy 2018-2022* to "provide high quality, accessible, sustainable transport connecting people across Ireland".

3.7 The Urgency Associated with the Need to Secure the Services

The proposed withdrawal of services means that there will be no public transport services in Portlaw and for the communities living adjacent to the R680 on and from 01 November 2022 resulting in reduced access to:

- Retail, services and the cultural centre of Waterford City at the Viking Triangle and the Quays;
- Significant employment destinations in the city such as the Waterford IDA, SETU, city centre, and Regional Hospital;
- Education facilities such as primary schools, secondary schools, further education opportunities in particular SETU Waterford;
- Healthcare facilities such as Whitfield Clinic and University Hospital Waterford; and
- Connections to the inter-urban bus and rail transport network from Waterford City.

The proposed withdrawal of Route 609 will contribute to reduced economic activity in the Waterford area, with limited connectivity to surrounding settlements for employment, education and healthcare services.

With travel demand recovering post Covid-19, a rural bus service from Portlaw to Waterford is required. The formal expiration of the existing license in October of this year allows the Authority to provide such a service.

3.8 Service Analysis of Route 609

Figure 2 below shows the alignment of route 609 which is currently operated by Suirway Bus and Coach Services. This service will terminate operation on 31st October 2022.

Route 609 travels from Portlaw to Waterford via Kilmeaden and comprises of a service that operates from Monday to Saturday, with 4 return trips per day. The end to end journey time for Route 609 is approximately 45 minutes, with a Peak Vehicle Requirement (PVR) of 1.

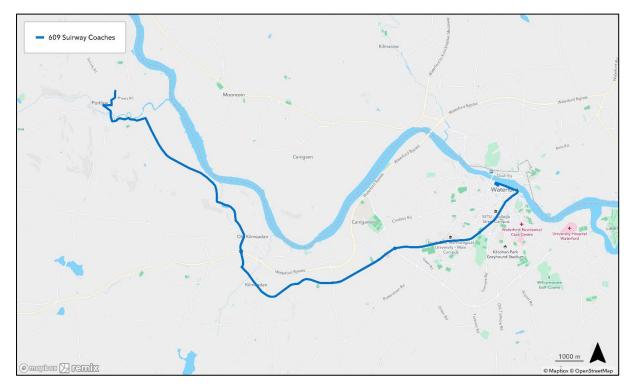


Figure 2: Existing Route 609 Alignment

An estimated 11,100 people live within 400m of a Route 609 bus stop, with approximately 9,800 of 11,100 people living between Whitfield Clinic and Waterford City Centre. This leaves the residual 1,300 people on the corridor with reduced (Kilmeaden) or no service (Portlaw). Figure 3 below shows the level of coverage along Route 609.

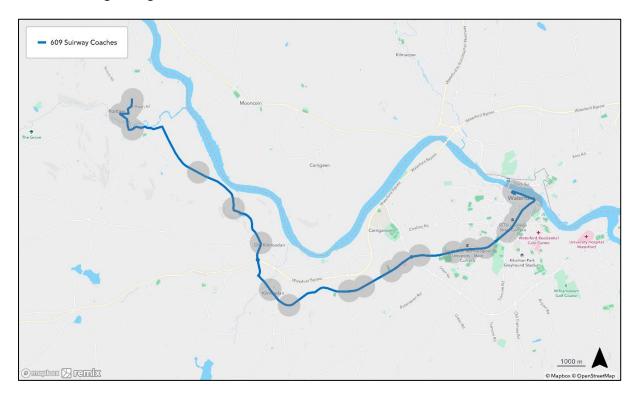


Figure 3: Coverage (400m) of Route 609

3.9 Potential Impact of Withdrawal of Route 609

3.9.1 Portlaw

The only public transport service in Portlaw is Route 609, this is shown in Figure 4 below. There are 6 bus stops located within Portlaw, allowing for Route 609 to be used to travel within Portlaw, as well as externally to Kilmeaden and Waterford City.

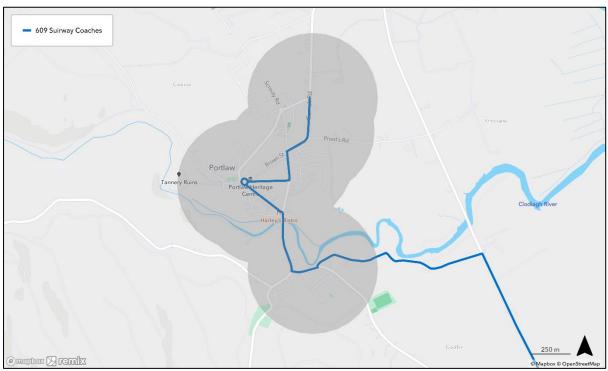


Figure 4: Wider public transport network serving Portlaw

The withdrawal of Route 609 will mean that there are no public transport options provided (Figure 5) effectively disconnecting Portlaw from all nearby settlements including Kilmeaden, Waterford City, and onward travel opportunities on the wider interurban transport network.



Figure 5: Local Public Transport Coverage Portlaw - Before and After withdrawal of Route 609

It is concluded that the impact of the withdrawal of Route 609 will result in the complete removal of services for people living in Portlaw and there is a requirement for a bus service to continue to serve Portlaw.

3.9.2 Kilmeaden

Kilmeaden is situated in the light blue shape in Figure 6 below. There are multiple public transport services operating through Kilmeaden and travelling onward to Waterford:

- Route 40 Expressway;
- Route 362 Bus Éireann;
- Route 367a Local Link; and
- Route 609 Suirway Coaches.

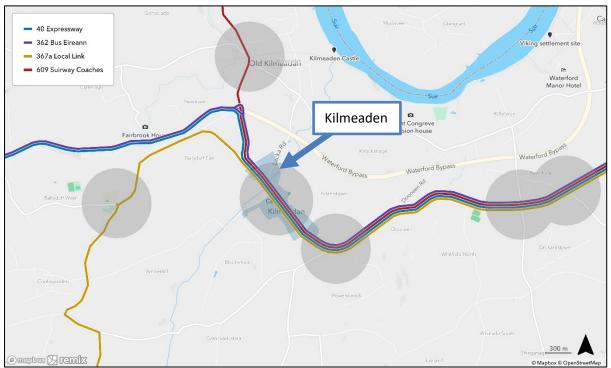


Figure 6: Wider public transport network serving Kilmeaden

The withdrawal of Route 609 will mean that there is a somewhat reduced coverage provided in Kilmeaden (Figure 7). Route 40, Route 362 and Route 367a will continue to provide connectivity to Kilmeaden, with a decrease of 131 weekly departures from Kilmeaden to Waterford to 107.

Therefore, the withdrawal of Route 609 will disconnect Kilmeaden from Portlaw, but not to Waterford City and onward travel opportunities on the wider inter-urban transport network.

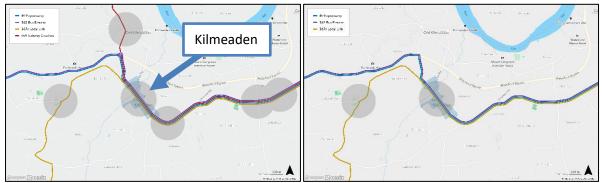


Figure 7: Local Public Transport Coverage Kilmeaden - Before and After withdrawal of Route 609

It is concluded that the impact of the withdrawal of Route 609 will be very limited, due to the presence of Routes 40, 362 and 367a serving Kilmeaden and there is not a PSO requirement to replace the existing service.

4. Addressing the PSO Requirement, Replacement Network Design

4.1 Introduction

The Authority has identified a network of services to replace the routes operated under license by Suirway (Suirway's routes are shown in Figure 8). In developing this network, the following principles were used to inform the design:

- Minimise disruption to existing customers by maintaining timings and alignments of existing services where these adhere to standard design and best practice principles;
- Designing an integrated network of services that maximises the usefulness of the routes while also enabling efficiencies to be realised;
- Adhering to minimum service levels established by Connecting Ireland, and exceeding these where anticipated demand warrants it; and
- Using the network improvement plans identified in Connecting Ireland as a key input to ensure proposals fit within the wider network plan.

Connecting Ireland identifies a series of proposals for the local network around the environs of Waterford City, listed below. These proposals have been taken into account when designing the new network.

- A90: A new route between Kilkenny and Waterford via Portlaw;
- A61: A new route between Tramore and Waterford via Dunmore East and Passage East (identified post 2021 public consultation); and
- A91: A new route between Cheekpoint and Waterford.

In order to implement the new network of services the Authority will introduce new routes on a phased basis. The interim network will meet the gaps that will arise following the termination of the Suirway routes. It is envisaged this network can be implemented quickly and be in place immediately following the cessation of the Suirway routes.

This will ensure Portlaw, Dunmore East and Passage East retain vital connections to Waterford City. In the longer term, a more complete network which fully takes into account Connecting Ireland proposals for the wider area will be implemented. The interim network will be fully compatible with the full network requiring only minor timetable amendments.

4.2 Interim Network Plan

The interim network plan (Figure 9) requires the implementation of 3 routes as follows:

- Green Line, Carrick-on-Suir Waterford City Dunmore East, 6 returns (Mon-Sun)
- Red Line, Dunmore East Passage East Waterford City. 3 returns (Mon-Sun)
- Pink Line, Passage East Waterford City, 1 return (Mon-Sun)

The Green line introduces a new, cross Waterford City alignment fusing the routeing of route 609 and route 610. This provides access to destinations across the City including the IDA Park, SETU, city centre and Regional Hospital. In the existing network interchange is required for some trips to these destinations and therefore direct access will result in a more attractive service and help to build patronage in Portlaw and Dunmore East.

Extending the alignment north to Carrick-On-Suir establishes part of Connecting Ireland route A90 by introducing the Carrick-On-Suir to Waterford City leg of this proposal. Originating in Carrick-On-Suir this route also creates new connectivity for the settlements of Portlaw and Kilmeaden to Fiddown, Piltown and Carrick-On-Suir. At a later date, and subject to funding, an additional route can be implemented from Carrick-On-Suir to Kilkenny to complete the remainder of the A90 alignment with timetables interworked at Carrick-On-Suir.

The Red line utilises parts of routes 608 and 610 to connect Dunmore East and Passage East and on to Waterford City. This alignment is supplemented by the Pink Line to improve service frequency between Passage East and Waterford City.

This proposal is subject to detailed planning and agreement. However, it is estimated that the gross cost of providing these services is likely to range from €940,000 to €1.09m per annum. The interim network has a Peak Vehicle Requirement (PVR) of three buses.

4.3 Full Network Plan

The full network plan (Figure 10) requires the implementation of 4 routes as follows:

- Green Line, Carrick-on-Suir Waterford City Dunmore East, 6 returns (Mon-Sun)
- Red Line, Tramore Dunmore East Passage East Waterford City, 3 returns (Mon-Sun)
- Pink Line, Passage East Waterford City, 3 returns (Mon-Sun)
- Blue Line, Cheekpoint Waterford City, 3 returns (Mon-Sun)

The Green line is retained but with some minor timetable changes from the interim network.

The red line is extended from Dunmore East to Tramore. This extension is identified in the Connecting Ireland plan as route A61. This route provides an alternative alignment into Waterford City from Tramore and Dunmore East and also connects 3 seaside towns each with an amenity function together and with the city. The Pink line is retained from the interim network with an increase in service frequency to 3 daily returns. The Blue line is a new route, identified in Connecting Ireland as route A91 and will provide regular public transport to Cheekpoint (pop. 318, 2016) for the first time with 3 daily returns. A single bus is deployed between the Blue and Pink lines to maximise efficiency.

This proposal is subject to detailed planning and agreement. However, it is estimated that the gross cost of providing these services is likely to range from €1.18m to €1.46m per annum. The full network plan has a PVR of four buses.

4.4 Conclusion

Both the interim and full network plans increase the level of service currently provided to Portlaw, Dunmore East and Passage East (Table 2). The service increase is compatible with the Authority's vision to provide high quality, accessible, sustainable transport connecting people across Ireland and ensures the Authority will build on the market for sustainable travel established by Suirway. By taking a network approach to planning the replacement of Suirway services the Authority is able to capitalise on efficiencies and roll out new connections across the wider Waterford area and maintain consistency with Connecting Ireland.

	Weekday Returns								
Trip	Existing Network	Interim Network	Long Term Network						
Portlaw to Waterford	4	6	6						
Dunmore East to Waterford	7	9	9						
Passage East to Waterford	2	4	6						
Cheekpoint	0	0	3						

Table 2: Level of Service Comparisons

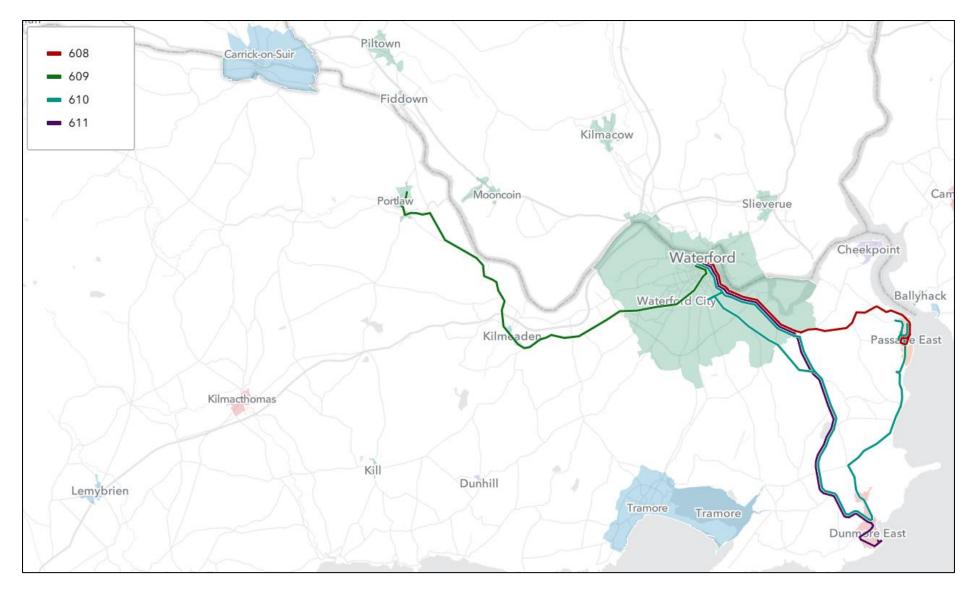


Figure 8: Existing Suirway Routes

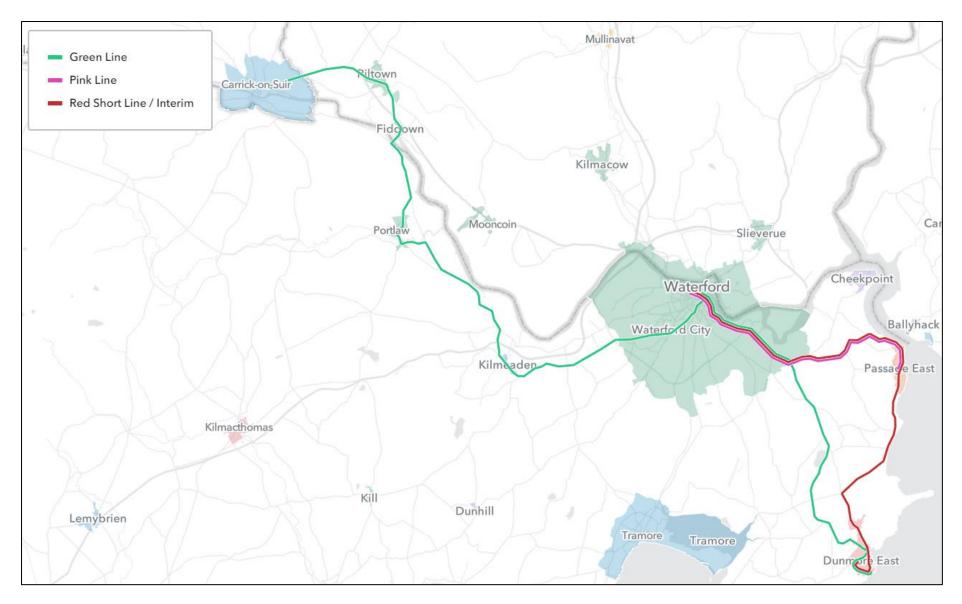


Figure 9: Interim Network Plan

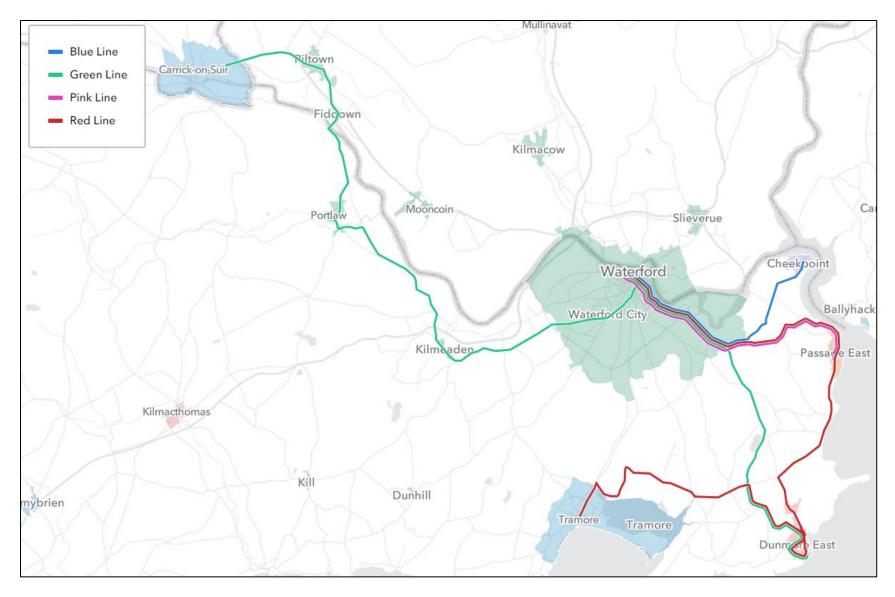


Figure 10: Full Network Plan

5. Determination

The Authority has determined that there is a public service obligation to serve local transport demand from Portlaw, Dunmore East and Passage East into Waterford City, resulting from the decision of Suirway Bus and Coach Services Limited to not renew their licenses for routes 608, 609, 610 and 611 after the 31st October 2022. As a result of this determination, I recommend that the services should be provided, once funding has been secured as follows:

- Bus Éireann to operate the interim Green Line through a temporary direct award contract to commence operation 1 November 2022;
- Local Link to put out a temporary direct award contract for the Interim Red and Interim Pink Lines to commence operation 1 November 2022;
- NTA to tender the Green Line services to replace the temporary direct award; and
- NTA to enable Local Link to tender for the full network of Red, Pink and Blue lines

MINIC

Dominic Hannigan Head of Public Transport Regulation

Approved:

ne Graham

Anne Graham Chief Executive Officer

Dated: 5th October 2022

6. Annex – Existing Suirway Timetables

	Passage East and Waterford:												
Stop Location	Stop Name	Stop ID	Restriction	MO-FR		Saturday							
Passage East	Cuan Na Greine		PUO	12:00		12:00 15:25							
Passage East	Crooke School		P/S	12:14		12:14 15:27							
Passage East	Passage East		P/S	12:15		12:15 15:30							
Passage East	Parkswood		P/S	12:19		12:19 15:34							
Passage East	Ballynabola		P/S	12:21		12:21 15:36							
Passage East	Blenheim Cross		P/S	12:23		12:23 15:38							
Passage East	Passage Cross		P/S	12:24		12:24 15:39							
Waterford	Ballygunner (Riverview)		SDO	12:25		12:25 15:40							
Waterford	Woodlands (Farmleigh)		SDO	12:26		12:26 15:41							
Waterford	Earls Court (Grantstown)		SDO	12:27		12:27 15:42							
Waterford	Viewmount		SDO	12:28		12:28 15:43							
Waterford	Regional Hospital	352731	SDO	12:29		12:29 15:44							
Waterford	Ardkeen Foodstore		SDO	12:29		12:29 15:44							
Waterford	Leoville		SDO	12:30		12:30 15:45							
Waterford	Glenville		SDO	12:31		12:31 15:46							
Waterford	Passage Road/Newtown Upper		SDO	12:31		12:31 15:46							
Waterford	Newtown School		SDO	12:32		12:32 15:47							
Waterford	The Park (Waterpark School)		SDO	12:32		12:32 15:47							
Waterford	Lombard Street (Tower Hotel)		SDO	12:33		12:33 15:48							
Waterford	Clock Tower - Axa Office	352581	SDO	12:34		12:34 15:49							
Waterford	The Granary	352561	SDO	12:35		12:35 15:50							

Figure 11: Route 608 Inbound Timetable

	Waterford	d and Pas	ssage East:				
Stop Location	Stop Name	Stop ID	Restriction	MO-FR	MO-FR/OD	 Satu	irday
Waterford	Beside Main Bus Depot on Quay	355051	PUO	11:30	16:30	 11:30	15:00
Waterford	Clock Tower	352011	PUO	11:31	16:31	 11:31	15:01
Waterford	Lombard Street (Tower Hotel)		PUO	11:32	16:32	 11:32	15:02
Waterford	Waterpark School		PUO	11:33	16:33	 11:33	15:03
Waterford	Newtown		PUO	11:33	16:33	 11:33	15:03
Waterford	Passage Road / Newtown Upper		PUO	11:34	16:34	 11:34	15:04
Waterford	Glenville		PUO	11:34	16:34	 11:34	15:04
Waterford	The Sycamores		PUO	11:35	16:35	 11:35	15:05
Waterford	Regional Hospital		PUO	11:36	16:36	 11:36	15:06
Waterford	Viewmount		PUO	11:37	16:37	 11:37	15:07
Waterford	Grantstown (Earls Court)	352731	PUO	11:38	16:38	 11:38	15:08
Waterford	Grantstown (Maxol Station)		PUO	11:38	16:38	 11:38	15:08
Waterford	Brass Cock		PUO	11:39	16:39	 11:39	15:09
Waterford	Woodlands Hotel		PUO	11:39	16:39	 11:39	15:09
Waterford	Ballygunner (Island View)		PUO	11:40	16:40	 11:40	15:10
Waterford	Ballygunner (Becketts Bar)		PUO	11:40	16:40	 11:40	15:10
Waterford	Passage Cross		P/S	11:41	16:41	 11:41	15:11
Passage East	Blenheim Cross		P/S	11:42	16:42	 11:42	15:12
Passage East	Ballynabola		P/S	11:44	16:44	 11:44	15:14
Passage East	Parkswood		P/S	11:46	16:46	 11:46	15:16
Passage East	Passage East		P/S	11:50	16:50	 11:50	15:20
Passage East	Crooke School		P/S	11:55	16:55	 11:55	15:22
Passage East	Crooke (Burkes Shop)		P/S	11:57	16:57	 11:57	15:23
Passage East	Cuan Na Greine		SDO	12:00	17:00	 12:00	15:25

Figure 12: Route 608 Outbound Timetable

	Portlaw to Waterford													
Stop Location	Stop Name	Stop ID	Restriction	М	onday	to Frid	lay			Satu	rday			
Portlaw	Woodlands		PUO	07:55	09:45	14:10	17:10		08:10	09:45	14:10	16:55		
Portlaw	Carrick Road		P/S	07:57	09:47	14:12	17:12		08:12	09:47	14:12	16:57		
Portlaw	Queen Street		P/S	07:58	09:48	14:13	17:13		08:13	09:48	14:13	16:58		
Portlaw	Georges Street		P/S	07:59	09:49	14:14	17:15		08:14	09:49	14:14	16:59		
Portlaw	The Square		P/S	08:00	09:50	14:15	17:15		08:15	09:50	14:15	17:00		
Portlaw	William Street		P/S	08:01	09:51	14:16	17:16		08:16	09:51	14:16	17:01		
Kilmeaden	Coolfin		P/S	08:03	09:53	14:18	17:18		08:17	09:53	14:18	17:03		
Kilmeaden	Darrigle		P/S	08:04	09:54	14:19	17:19		08:18	09:54	14:19	17:04		
Kilmeaden	Pouldrew		P/S	08:05	09:55	14:20	17:20		08:20	09:55	14:20	17:05		
Kilmeaden	The Cosy Thatch		P/S	08:10	10:00	14:25	17:25		08:25	10:00	14:25	17:10		
Kilmeaden	Centra Shop	216291	P/S	08:13	10:03	14:28	17:28		08:28	10:03	14:28	17:13		
Waterford	The Sweep		P/S	08:15	10:05	14:30	17:30		08:30	10:05	14:30	17:15		
Waterford	Tramore Cross		P/S	08:18	10:08	14:33	17:33		08:33	10:08	14:33	17:18		
Waterford	Butlerstown Cross		P/S	08:20	10:10	14:35	17:35		08:35	10:10	14:35	17:20		
Waterford	Holy Cross		P/S	08:21	10:11	14:36	17:36		08:36	10:11	14:36	17:21		
Waterford	Whitfield Clinic	353251	P/S	08:22	10:12	14:37	17:37		08:37	10:12	14:37	17:22		
Waterford	Viking Hotel		P/S	08:23	10:13	14:38	17:38		08:38	10:13	14:38	17:23		
Waterford	Tycor (Browns Road)	332221	P/S	08:24	10:14	14:39	17:39		08:39	10:14	14:39	17:24		
Waterford	WIT	352501	SDO	08:26	10:16	14:41	17:41		08:41	10:16	14:41	17:26		
Waterford	Crystal Ind. Estate	352191	P/S	08:26	10:16	14:41	17:41		08:41	10:16	14:41	17:26		
Waterford	The Grotto	352091	SDO	08:27	10:17	14:42	17:42		08:42	10:17	14:42	17:27		
Waterford	The Manor	352531	SDO	08:28	10:18	14:43	17:43		08:43	10:18	14:43	17:28		
Waterford	Railway Square	352061	SDO	08:29	10:19	14:44	17:44		08:44	10:19	14:44	17:29		
Waterford	Parnell Street	352541	SDO	08:30	10:20	14:45	17:45		08:45	10:20	14:45	17:30		
Waterford	Theatre Royal / Viking Triangle	352551	SDO	08:34	10:24	14:49	17:49		08:49	10:24	14:49	17:34		
Waterford	Clock Tower / Axa	352581	SDO	08:37	10:27	14:52	17:52		08:52	10:27	14:52	17:37		
Waterford	The Granary		SDO	08:40	10:30	14:55	17:55		08:55	10:30	14:55	17:40		

Figure 13: Route 609 Inbound Timetable

	Waterford to Portlaw													
Stop Location	Stop Name	Stop ID	Restriction	м	onday	to Frid	lay			Satu	irday			
Waterford	Bus Stop beside Main Bus Depot		PUO	08:40	13:00	16:30	18:00		09:00	13:00	16:30	18:00		
Waterford	Clock Tower	352011	PUO	08:43	13:03	16:33	18:03		09:03	13:03	16:33	18:03		
Waterford	Waterford Crystal / Viking Triangle	352041	PUO	08:46	13:06	16:36	18:06		09:06	13:06	16:36	18:06		
Waterford	Parnell Street	352541	PUO	08:50	13:10	16:40	18:10		09:10	13:10	16:40	18:10		
Waterford	Railway Square	352061	PUO	08:51	13:11	16:41	18:11		09:11	13:11	16:41	18:11		
Waterford	The Manor	352081	PUO	08:52	13:12	16:42	18:12		09:12	13:12	16:42	18:12		
Waterford	The Grotto	352091	PUO	08:52	13:12	16:42	18:12		09:12	13:12	16:42	18:12		
Waterford	Crystal Industrial Estate	352191	P/S	08:53	13:13	16:43	18:13		09:13	13:13	16:43	18:13		
Waterford	WIT	352111	PUO	08:54	13:14	16:44	18:14		09:14	13:14	16:44	18:14		
Waterford	Tycor (Browns Road)	352131	P/S	08:58	13:18	16:48	18:18		09:18	13:18	16:48	18:18		
Waterford	Viking Hotel		P/S	08:59	13:19	16:49	18:19		09:19	13:19	16:49	18:19		
Waterford	Whitfield Clinic	353241	P/S	08:59	13:19	16:49	18:19		09:19	13:19	16:49	18:19		
Waterford	Holy Cross		P/S	09:01	13:21	16:51	18:21		09:21	13:21	16:51	18:21		
Waterford	Butlerstown Cross		P/S	09:03	13:23	16:53	18:23		09:23	13:23	16:53	18:23		
Waterford	Tramore Cross		P/S	09:04	13:24	16:54	18:24		09:24	13:24	16:54	18:24		
Waterford	The Sweep		P/S	09:07	13:27	16:57	18:27		09:27	13:27	16:57	18:27		
Kilmeaden	Centra Shop	216251	P/S	09:08	13:28	16:58	18:28		09:28	13:28	16:58	18:28		
Kilmeaden	The Cosy Thatch		P/S	09:10	13:30	17:00	18:30		09:30	13:30	17:00	18:30		
Pouldrew	Pouldrew		P/S	09:15	13:35	17:05	18:35		09:35	13:35	17:05	18:35		
Darrigle	Darrigle		P/S	09:16	13:36	17:06	18:36		09:36	13:36	17:06	18:36		
Coolfin	Coolfin		P/S	09:17	13:37	17:07	18:37		09:37	13:37	17:07	18:37		
Portlaw	William Street		P/S	09:19	13:39	17:09	18:39		09:39	13:39	17:09	18:39		
Portlaw	The Square		P/S	09:20	13:40	17:10	18:40		09:40	13:40	17:10	18:40		
Portlaw	Georges Street		P/S	09:21	13:41	17:11	18:41		09:41	13:41	17:11	18:41		
Portlaw	Queen Street		P/S	09:22	13:42	17:12	18:42		09:42	13:42	17:12	18:42		
Portlaw	Carrick Road		P/S	09:23	13:43	17:13	18:43		09:43	13:43	17:13	18:43		
Portlaw	Woodlands		PUO	09:25	13:45	17:15	18:45		09:45	13:45	17:15	18:45		

Figure 14: Route 609 Outbound Timetable

	Knockroe to Water	ford		
Stop Location	Stop Name	Stop ID	Restrictions	NTO / MO-FR
Passage East	Suirway Bus Depot		PUO	07:25
Passage East	Estuary Heights		P/S	07:27
Passage East	Cuan Na Greine		P/S	07:28
Passage East	Passage East		P/S	07:30
Crooke	Crooke School		P/S	07:31
Crooke	Burkes Shop		P/S	07:32
Crooke	Geneva Barracks		P/S	07:33
Crooke	Raheen		P/S	07:34
Woodstown	Saratoga Bar		P/S	07:35
Woodstown	Beach		P/S	07:36
Knockavelish	Knockavelish Cross		P/S	07:37
Dunmore East	Fairy Bush		P/S	07:37
Killea	Church		P/S	07:39
Killea	Woodview		P/S	07:40
Killea	Marian Terrace		P/S	07:41
Dunmore East	Strand Inn		P/S	07:45
Dunmore East	Horsequarter Cross		P/S	07:50
Dunmore East	Ballymabin		P/S	07:51
Dunmore East	Gregaridda Cross		P/S	07:52
Dunmore East	Leperstown Cross		P/S	07:53
Dunmore East	Creamery Cross		P/S	07:55
Rossduff	Hickeys Cross		P/S	07:58
Ballinkina	Knockhouse		P/S	07:59
Ballinkina	JB's Shop		P/S	08:00
Ballyvoreen	Ballyvoreen		P/S	08:01
Callaghane	Callaghane		P/S	08:02
Ballygunnermore	Ballygunnermore		P/S	08:05
Grantstown	Grantstown		P/S	08:10
Wiliamstown	Wiliamstown		P/S	08:12
Waterford	The Folly		SDO	08:23
Waterford	Passage Road / Newtown Upper		SDO	08:25
Waterford	Newtown School		SDO	08:26
Waterford	The Park (Waterpark School)		SDO	08:27
Waterford	Lombard Street (Tower Hotel)		SDO	08:28
Waterford	Clock Tower (AXA Office)	352581	SDO	08:29
Waterford	The Granary	352561	SDO	08:30

Figure 15: Route 610 Inbound Timetable

	Waterford to Knock	roe		
Stop Location	Stop Name	Stop ID	Restrictions	NTO / MO-FR
Waterford	Beside Main Bus Depot on Quay	355051	PUO	16:30
Waterford	Clock Tower	352011	PUO	16:31
Waterford	Lombard Street Tower Hotel		PUO	16:32
Waterford	Waterpark School		PUO	16:33
Waterford	Newtown		PUO	16:33
Waterford	Passage Road / Newtown Upper		PUO	16:34
Waterford	Glenville		PUO	16:34
Waterford	The Sycamores		PUO	16:35
Waterford	Regional Hospital	352731	PUO	16:36
Waterford	Viewmount		PUO	16:37
Waterford	Earls Court		PUO	16:38
Waterford	Grantstown Maxol Station		PUO	16:38
Waterford	Brass Cock		PUO	16:39
Waterford	Woodlands Hotel		PUO	16:39
Ballygunner	Island View		PUO	16:40
Ballygunner	Becketts Bar		PUO	16:40
Passage Cross	Passage Cross		P/S	16:41
Ballygunnertemple	Ballygunnertemple		P/S	16:43
Callaghane	Callaghane		P/S	16:45
Ballyvoreen	Ballyvoreen		P/S	16:47
Ballinkina	JB's Shop		P/S	16:49
Ballinkina	Knockhouse		P/S	16:50
Rossduff	Rossduff / Hickeys Cross		P/S	16:55
Dunmore East	Creamery Cross		P/S	17:00
Dunmore East	Leperstown Cross		P/S	17:03
Dunmore East	Gregaridda Cross		P/S	17:05
Dunmore East	Ballymabin		P/S	17:07
Dunmore East	Horsequarter Cross		P/S	17:10
Dunmore East	Strand Inn		P/S	17:11
Killea	Marian Terrace		P/S	17:12
Killea	Woodview		P/S	17:13
Killea	Church		P/S	17:14
Dunmore East	Fairy Bush		P/S	17:15
Knockavelish	Knockavelish Cross		P/S	17:16
Woodstown	Beach		P/S	17:19
Woodstown	Saratoga Bar		P/S	17:20
Crooke	Raheen		P/S	17:21
Crooke	Geneva Barracks		P/S	17:22
Crooke	Burkes Shop		P/S	17:24
Crooke	Crooke School		P/S	17:25
Passage East	Passage East		P/S	17:26
Passage East	Cuan Na Greine		P/S	17:28
Passage East	Estuary Heights		P/S	17:19
Passage East	Suirway Bus Depot		SDO	17:30

Figure 16: Route 610 Outbound Timetable

		Kil	lea to Wa	terford:								
Stop Location	Stop Name	Restriction	Stop ID			Mon	day - Fri	day			MO-I	R/OD
Passage East	Suirway Depot	PUO		07:25								
Passage East	Estuary Heights	P/S		07:27								
Passage East	Cuan Na Greine	P/S		07:28								
Passage East	Passage East	P/S		07:30								
Crooke	School	P/S		07:31								
Crooke	Burkes	P/S		07:32								
Crooke	Geneva Barracks	P/S		07:33								
Crooke	Raheen	P/S		07:34								
Woodstown	Saratoga Bar	P/S		07:35								
Woodstown	Beach	P/S		07:36								
The Strand	Ballyglan	P/S		07:36								
Harristown	Knockavelish Cross	P/S		07:37								
Leperdstown	Fairy Bush	P/S		07:37								
Killea	Church	P/S		07:39								
Killea	Woodview	P/S		07:40								
Killea	Marian Tce	P/S		07:41								
Nymphhall	Strand Inn	P/S		07:45								
Nymphhall	The Park / St Andrews Church	P/S		07:47								
The Harbour	The Bay Cafe	P/S		07:50	09:30	10:30	12:00	14:30	15:30	17:00	18:30	20:00
The Harbour	The Harbour	P/S		07:51	09:31	10:31	12:01	14:31	15:31	17:01	18:31	20:01
Convent Road	Lemon Tree	P/S		07:52	09:32	10:32	12:02	14:32	15:32	17:02	18:32	20:02
Convent Road	Hook View	P/S		07:52	09:32	10:32	12:02	14:32	15:32	17:02	18:32	20:02
Convent Road	The Hermitage	P/S		07:53	09:33	10:33	12:03	14:33	15:33	17:03	18:33	20:03
Coxtown	Coxtown Cross Airfield	P/S		07:53	09:33	10:33	12:03	14:33	15:33	17:03	18:33	20:03
Coxtown	Shanakiel	P/S		07:54	09:34	10:34	12:04	14:34	15:34	17:04	18:34	20:04
Coxtown	Ard Na Coille	P/S		07:55	09:35	10:35	12:05	14:35	15:35	17:05	18:35	20:05
Nymphhall	Azzurro	P/S		07:58	09:38	10:38	12:08	14:38	15:38	17:08	18:38	20:08
Horsequarter	Horsequarter Cross	P/S		07:59	09:39	10:39	12:09	14:39	15:39	17:09	18:39	20:09
Ballymabin	Ballymabin	P/S		07:59	09:39	10:39	12:09	14:39	15:39	17:09	18:39	20:09
Leperstown	Gregaridda Cross	P/S		08:00	09:40	10:40	12:10	14:40	15:40	17:10	18:40	20:10
Leperstown	Leperstown Cross	P/S		08:01	09:41	10:41	12:11	14:41	15:41	17:11	18:41	20:11
Kilmacomb	Creamery Cross	P/S		08:03	09:43	10:43	12:13	14:43	15:43	17:13	18:43	20:13
Rossduff	Hickeys Cross	P/S		08:06	09:46	10:46	12:16	14:46	15:46	17:16	18:46	20:16
Ballinkina	Knockhouse	P/S		08:07	09:47	10:47	12:17	14:47	15:47	17:17	18:47	20:17
Ballinkina	JB's	P/S		08:07	09:47	10:47	12:17	14:47	15:47	17:17	18:47	20:17
Ballyvoreen	Ballyvoreen	P/S		08:08	09:48	10:48	12:18	14:48	15:48	17:18	18:48	20:18
Callaghane	Callaghane	P/S		08:08	09:48	10:48	12:18	14:48	15:48	17:18	18:48	20:18
Ballygunnertemple	Bus stop	P/S		08:08	09:48	10:48	12:18	14:48	15:48	17:18	18:48	20:18
Passage Cross	Passage Cross	P/S		08:09	09:49	10:49	12:19	14:49	15:49	17:19	18:49	20:19
Ballygunner	Riverview	P/S		08:10	09:50	10:50	12:25	14:50	15:50	17:20	18:50	20:20
Woodlands	Farmleigh	SDO		08:11	09:51	10:51	12:26	14:51	15:51	17:21	18:51	20:21
Earls Court	Grantstown	SDO		08:12	09:52	10:52	12:27	14:52	15:52	17:22	18:52	20:22
Waterford	Viewmount	SDO		08:13	09:53	10:53	12:28	14:53	15:53	17:23	18:53	20:23
Waterford	Regional Hospital	SDO	352731	08:14	09:54	10:54	12:29	14:54	15:54	17:24	18:54	20:24
Waterford	Ardkeen Foodstore	SDO		08:14	09:54	10:54	12:29	14:54	15:54	17:24	18:54	20:24
Waterford	Leoville	SDO		08:15	09:55	10:55	12:30	14:55	15:55	17:25	18:55	
Waterford	Glenville	SDO		08:16	09:56	10:56	12:31	14:56	15:56	17:26	18:56	
Waterford	Passage Road / Newtown Upper	SDO		08:16	09:56	10:56	12:31	14:56	15:56	17:26	18:56	
Waterford	Newtown School	SDO		08:17	09:57	10:57	12:32	14:57	15:57	17:27	18:57	
Waterford	The Park - Waterpark School	SDO		08:17	09:57	10:57	12:32	14:57	15:57	17:27	18:57	20:27
Waterford	Tower Hotel - Lombard Street	SDO		08:18	09:58	10:58	12:33	14:58	15:58	17:28	18:58	
Waterford	Clock Tower - Axa	SDO	352581	08:19	09:59	10:59	12:34	14:59	15:59	17:29	18:59	20:29
Waterford	The Granary	SDO	352561	08:20	10:00	11:00	12:35	15:00	16:00	17:30	19:00	20:30

Figure 17: Route 611 Inbound Monday to Friday Timetable

Killea to Waterford:														
Stop Location	Stop Name	Restriction	Stop ID			S	aturda	y				Saturd	lay/OD)
Passage East	Suirway Depot	PUO		07:55										
Passage East	Estuary Heights	P/S		07:57										
Passage East	Cuan Na Greine	P/S		07:58										
Passage East	Passage East	P/S		08:00										
Crooke	School	P/S		08:01										
Crooke	Burkes	P/S		08:02										
Crooke	Geneva Barracks	P/S		08:03										
Crooke	Raheen	P/S		08:04										
Woodstown	Saratoga Bar	P/S		08:05										
Woodstown	Beach	P/S		08:06										
The Strand	Ballyglan	P/S		08:06										
Harristown	Knockavelish Cross	P/S		08:07										
Leperdstown	Fairy Bush	P/S		08:07										
Killea	Church	P/S		08:19										
Killea	Woodview	P/S		08:20										
Killea	Marian Tce	P/S		08:21										
Nymphhall	Strand Inn	P/S		08:25										
Nymphhall	The Park / St Andrews Church	P/S		08:27										
The Harbour	The Bay Cafe	P/S		08:30	09:30	10:30	12:00	14:30	15:30	17:00	18:30	20:00	22:00	00:00
The Harbour	The Harbour	P/S		08:31	09:31	10:31	12:01	14:31	15:31	17:01	18:31	20:01	22:01	00:01
Convent Road	Lemon Tree	P/S		08:32	09:32	10:32	12:02	14:32	15:32	17:02	18:32	20:02	22:02	00:02
Convent Road	Hook View	P/S		08:32	09:32	10:32	12:02	14:32	15:32	17:02	18:32	20:02	22:02	00:02
Convent Road	The Hermitage	P/S		08:33	09:33	10:33	12:03	14:33	15:33	17:03	18:33	20:03	22:03	00:03
Coxtown	Coxtown Cross Airfield	P/S		08:33	09:33	10:33	12:03	14:33	15:33	17:03	18:33	20:03	22:03	00:03
Coxtown	Shanakiel	P/S		08:34	09:34	10:34	12:04	14:34	15:34	17:04	18:34	20:04	22:04	00:04
Coxtown	Ard Na Coille	P/S		08:35	09:35	10:35	12:05	14:35	15:35	17:05	18:35	20:05	22:05	00:05
Nymphhall	Azzurro	P/S		08:38	09:38	10:38				17:08	18:38	20:08	22:08	00:08
Horsequarter	Horsequarter Cross	P/S		08:39	09:39	10:39	12:09	14:39	15:39	17:09	18:39	20:09	22:09	00:09
Ballymabin	Ballymabin	P/S		08:39	09:39	10:39	12:09	14:39	15:39	17:09	18:39	20:09	22:09	00:09
Leperstown	Gregaridda Cross	P/S		08:40	09:40	10:40	12:10	14:40	15:40	17:10	18:40	20:10	22:10	00:10
Leperstown	Leperstown Cross	P/S		08:41	09:41	10:41					18:41	20:11		00:11
Kilmacomb	Creamery Cross	P/S		08:43	09:43	10:43			15:43	17:13	18:43	20:13		00:13
Rossduff	Hickeys Cross	P/S		08:46	09:46	10:46				17:16	18:46	20:16		00:16
Ballinkina	Knockhouse	P/S		08:47	09:47	10:47		14:47	15:47		18:47	20:17		00:17
Ballinkina	JB's	P/S		08:47	09:47	10:47			15:47	17:17	18:47	20:17		00:17
Ballyvoreen	Ballyvoreen	P/S		08:48	09:48	10:48			15:48	17:18	18:48	20:18		00:18
Callaghane	Callaghane	P/S		08:48	09:48	10:48	12:18		15:48	17:18	18:48	20:18		00:18
Ballygunnertemple	Bus stop	P/S		08:48	09:48		12:18		15:48		18:48	20:18		00:18
Passage Cross	Passage Cross	P/S		08:49	09:49			14:49						00:19
Ballygunner	Riverview	P/S		08:50	09:50	10:50	12:25	14:50		17:20	18:50	20:20	22:20	00:20
Woodlands	Farmleigh	SDO		08:51				14:51						<u> </u>
Earls Court	Grantstown	SDO						14:52						
Waterford	Viewmount	SDO						14:52						
Waterford	Regional Hospital	SDO	352731					14:54						
Waterford	Ardkeen Foodstore	SDO						14:54						
Waterford	Leoville	SDO						14:55						
Waterford	Glenville	SDO						14:56						
Waterford	Passage Road / Newtown Upper	SDO						14:56						
Waterford	Newtown School	SDO		08:57				14:57						
Waterford	The Park - Waterpark School	SDO						14:57						
Waterford	Tower Hotel - Lombard Street	SDO						14:58						
Waterford	Clock Tower - Axa	SDO						14:59						
Waterford	The Granary	SDO	352561											

Figure 18: Route 611 Inbound Saturday Timetable

[Killea to W	aterford:						
Stop Location	Stop Name	Restriction	Stop ID		Su	nday/	DD	
Passage East	Suirway Depot	PUO						
Passage East	Estuary Heights	P/S						
Passage East	Cuan Na Greine	P/S						
Passage East	Passage East	P/S						
Crooke	School	P/S						
Crooke	Burkes	P/S						
Crooke	Geneva Barracks	P/S						
Crooke	Raheen	P/S						
Woodstown	Saratoga Bar	P/S						
Woodstown	Beach	P/S						
The Strand	Ballyglan	P/S						
Harristown	Knockavelish Cross	P/S						
Leperdstown	Fairy Bush	P/S						
Killea	Church	P/S						
Killea	Woodview	P/S						
Killea	Marian Tce	P/S						
Nymphhall	Strand Inn	P/S						
Nymphhall	The Park / St Andrews Church	P/S						
The Harbour	The Bay Cafe	P/S		14:30	15:30	17:00	18:30	20:00
The Harbour	The Harbour	P/S		14:31	15:31	17:01	18:31	20:01
Convent Road	Lemon Tree	P/S		14:32	15:32	17:02	18:32	20:02
Convent Road	Hook View	P/S		14:32	15:32	17:02	18:32	20:02
Convent Road	The Hermitage	P/S		14:33	15:33	17:03	18:33	20:03
Coxtown	Coxtown Cross Airfield	P/S		14:33	15:33	17:03	18:33	20:03
Coxtown	Shanakiel	P/S		14:34	15:34	17:04	18:34	20:04
Coxtown	Ard Na Coille	P/S		14:35	15:35	17:05	18:35	20:05
Nymphhall	Azzurro	P/S		14:38	15:38	17:08	18:38	20:08
Horsequarter	Horsequarter Cross	P/S		14:39	15:39	17:09	18:39	20:09
Ballymabin	Ballymabin	P/S			15:39		18:39	
Leperstown	Gregaridda Cross	P/S		14:40	15:40	17:10	18:40	20:10
Leperstown	Leperstown Cross	P/S		14:41	15:41	17:11	18:41	20:11
Kilmacomb	Creamery Cross	P/S		14:43	15:43	17:13	18:43	20:13
Rossduff	Hickeys Cross	P/S		14:46	15:46	17:16	18:46	20:16
Ballinkina	Knockhouse	P/S			15:47			20:17
Ballinkina	JB's	P/S		14:47	15:47	17:17	18:47	20:17
Ballyvoreen	Ballyvoreen	P/S				17:18	18:48	20:18
Callaghane	Callaghane	P/S		14:48		17:18		20:18
Ballygunnertemple		P/S		14:48		17:18		
Passage Cross	Passage Cross	P/S				17:19		
Ballygunner	Riverview	P/S				17:20		
Woodlands	Farmleigh	SDO				17:21		
Earls Court	Grantstown	SDO				17:22		
Waterford	Viewmount	SDO			<u> </u>	<u> </u>		20:23
Waterford	Regional Hospital	SDO	352731					20:24
Waterford	Ardkeen Foodstore	SDO				17:24		
Waterford	Leoville	SDO			<u> </u>	17:25	<u> </u>	
Waterford	Glenville	SDO			<u> </u>		<u> </u>	20:26
Waterford	Passage Road / Newtown Upper	SDO			<u> </u>	<u> </u>		20:26
Waterford	Newtown School	SDO				17:27		
Waterford	The Park - Waterpark School	SDO				17:27		
Waterford	Tower Hotel - Lombard Street	SDO				17:28		
Waterford	Clock Tower - Axa	SDO	352581					
Waterford	The Granary	SDO	352561					
wateriord	ine oranary	300	332301	12:00	10:00	17:30	12:00	20:30

Figure 19: Route 611 Inbound Sunday Timetable

		Wat	erford to	Killea:							
Stop Location	Stop Name	Restriction	Stop ID			Mo	nday - Fr	iday			MO-FR/OD
Waterford	Beside Main Bus Depot on Quay	PUO	335051	08:30	10:00	11:30	13:00	15:00	16:30	18:00	19:30
Waterford	Clock Tower	PUO	352011	08:31	10:01	11:31	13:01	15:01	16:31	18:01	19:31
Waterford	Tower Hotel - Lombard St	PUO		08:32	10:02	11:32	13:02	15:02	16:32	18:02	19:32
Waterford	Waterpark School	PUO		08:33	10:03	11:33	13:03	15:03	16:33	18:03	19:33
Waterford	Newtown	PUO		08:33	10:03	11:33	13:03	15:03	16:33	18:03	19:33
Waterford	Passage Road / Newtown Upper	PUO		08:34	10:04	11:34	13:04	15:04	16:34	18:04	19:34
Waterford	Glenville	PUO		08:34	10:04	11:34	13:04	15:04	16:34	18:04	19:34
Waterford	The Sycamores	PUO		08:35	10:05	11:35	13:05	15:05	16:35	18:05	19:35
Waterford	Regional Hospital	PUO	352731	08:36	10:06	11:36	13:06	15:06	16:36	18:06	19:36
Waterford	Viewmount	PUO		08:37	10:07	11:37	13:07	15:07	16:37	18:07	19:37
Earls Court	Earls Court	PUO		08:38	10:08	11:38	13:08	15:08	16:38	18:08	19:38
Earls Court	Maxol - Grantstown	PUO		08:38	10:08	11:38	13:08	15:08	16:38	18:08	19:38
Waterford	Brass Cock	PUO		08:39	10:09	11:39	13:09	15:09	16:39	18:09	19:39
Waterford	Woodlands Hotel	PUO		08:39	10:09	11:39	13:09	15:09	16:39	18:09	19:39
Ballygunnertemple	Island View	P/S		08:40	10:10	11:40	13:10	15:10	16:40	18:10	19:40
Ballygunnertemple		P/S		08:40	10:10	11:40	13:10	15:10	16:40	18:10	19:40
Ballygunnertemple		P/S		08:41	10:11	11:41	13:11	15:11	16:41	18:11	19:41
	Ballygunnertemple	P/S		08:41	10:11	11:41	13:11	15:11	16:41	18:11	19:41
Grantstown	Callaghane	P/S		08:42	10:12	11:42	13:12	15:12	16:42	18:12	19:42
Ballyvoreen	Ballyvoreen	P/S		08:42	10:12	11:42	13:12	15:12	16:42	18:12	19:42
Ballinkina	JB's Shop	P/S		08:43	10:13	11:43	13:13	15:13	16:43	18:13	19:43
Ballinkina	Ballinkina - Knockhouse	P/S		08:43	10:13	11:43	13:13	15:13	16:43	18:13	19:43
Rossduff	Hickeys Cross	P/S		08:45	10:15	11:45	13:15	15:15	16:45	18:15	19:45
Leperstown	Gregaridda Cross	P/S		08:48	10:18	11:48	13:18	15:18	16:48	18:18	19:48
Leperstown	Leperstown Cross	P/S		08:50	10:20	11:50	13:20	15:20	16:50	18:20	19:50
Kilmacomb	Creamery Cross	P/S		08:51	10:21	11:51	13:21	15:21	16:51	18:21	19:51
Ballymabin	Ballymabin	P/S		08:52	10:22	11:52	13:22	15:22	16:52	18:22	19:52
Nymphhall	Horsequarter Cross	P/S		08:53	10:23	11:53	13:23	15:23	16:53	18:23	19:53
Nymphhall	The Park - St Andrews Church	P/S		08:54	10:24	11:54	13:24	15:24	16:54	18:24	19:54
The Harbour	The Bay Cafe	P/S		08:55	10:25	11:55	13:25	15:25	16:55	18:25	19:55
The Harbour	The Harbour	P/S		08:56	10:26	11:56	13:26	15:26	16:56	18:26	19:56
Convent Road	Lemon Tree	P/S		08:57	10:32	12:02	13:27	15:32	17:02	18:32	20:02
Convent Road	Hook View	P/S		08:57	10:32	12:02	13:27	15:32	17:02	18:32	20:02
Convent Road	The Hermitage	P/S		08:58	10:33	12:02	13:28	15:33	17:03	18:33	20:02
Coxtown	Coxtown Cross Airfield	P/S		08:58	10:33	12:03	13:28	15:33	17:03	18:33	20:03
Coxtown	Shanakiel	P/S		08:59	10:34	12:04	13:29	15:34	17:04	18:34	20:03
Coxtown	Ard Na Coille	P/S		09:00	10:35	12:05	13:30	15:35	17:05	18:35	20:04
Nymphhall	Azzurro	P/S		09:01	10:38	12:08	13:31	15:38	17:08	18:38	20:05
Horsequarter	Horsequarter Cross	P/S								18:39	
Ballymabin	Ballymabin	P/S								18:39	
Leperstown	Gregaridda Cross	P/S								18:40	
Leperstown	Leperstown Cross	P/S								18:41	
Kilmacomb	Creamery Cross	P/S								18:43	
Rossduff	Hickeys Cross	P/S								18:46	
Ballinkina	Knockhouse	P/S								18:47	
Ballinkina	JB's Shop	P/S								18:47	
Ballyvoreen	Ballyvoreen	P/S								18:48	
Callaghane	Callaghane	P/S								18:48	
Ballygunnertemple	Ballygunnertemple	P/S								18:48	
Passage Cross	Passage Cross	P/S								18:49	
Blenheim Cross	Blenheim Cross	P/S								18:50	
Ballynabola	Ballynabola	P/S								18:50	
Parkswood	Parkswood	P/S								18:54	
Passage East	Passage East	P/S								18:58	
Crooke	Crooke School	P/S								18:58	
Crooke	Burkes Shop	P/S P/S								18:59	
Passage East	Cuan Na Greine	P/S P/S								19:01	
Passage East	Estuary Heights									19:02	
Passage East	Suirway Bus Depot	SDO								19:03	

Figure 20: Route 611 Outbound Monday to Friday Timetable

		Waterf	ord to Ki	llea:									
Stop Location	Stop Name	Restriction	Stop ID			S	aturda	y			Sat	turday	/OD
Waterford	Beside Main Bus Depot on Quay	PUO	335051	09:00	10:00	11:30	13:00	15:00	16:30	18:00		-	
Waterford	Clock Tower	PUO	352011					15:01			19:31	-	-
Waterford	Tower Hotel - Lombard St	PUO		-				15:02				-	-
Waterford	Waterpark School	PUO						15:03				-	23:33
Waterford	Newtown	PUO						15:03				-	-
Waterford	Passage Road / Newtown Upper	PUO		09:04	10:04			15:04			19:34		-
Waterford	Glenville	PUO		09:04	10:04			15:04	16:34		19:34		
Waterford	The Sycamores	PUO		09:05	10:04	11:34	13:05	15:05	16:35	18:05	19:35	-	23:35
Waterford	Regional Hospital	PUO	352731		<u> </u>	<u> </u>	<u> </u>	15:06	<u> </u>	<u> </u>	<u> </u>		
Waterford	Viewmount	PUO		09:07	10:07	11:37	13:07	15:07	16:37	18:07	19:37		23:37
Earls Court	Earls Court	PUO				11:38							
Earls Court	Maxol - Grantstown	PUO				11:38							-
Waterford	Brass Cock	PUO			10:09						19:39	-	-
Waterford	Woodlands Hotel	PUO		09:09	10:09		13:09	15:09	16:39		19:39	-	-
Ballygunnertemple	Island View	P/S		09:10	10:10	11:40	13:10	15:10	16:40	18:10	19:40	-	23:40
Ballygunnertemple		P/S											
Ballygunnertemple	Passage Cross	P/S		09:11	10:10		13:11	15:11	16:41	18:10	19:40	-	23:40
Ballygunnertemple		P/S						15:11			19:41	-	-
Grantstown	Callaghane	P/S		09:12	10:11		13:12			18:12	19:41		-
Ballyvoreen	Ballyvoreen	P/S									19:42	-	
Ballinkina	JB's Shop	P/S		09:12				15:12			19:42	-	
Ballinkina	Ballinkina - Knockhouse	P/S		09:13	10:13	l	13:13	l	16:43	18:13	19:43	-	23:43
Rossduff	Hickeys Cross	P/S		09:15	10:15		13:15		16:45		19:45	-	23:45
Leperstown	Gregaridda Cross	P/S											
Leperstown	Leperstown Cross	P/S						15:20				-	-
Kilmacomb		P/S						15:20			19:51	-	-
Ballymabin	Creamery Cross Ballymabin	P/S						15:22				-	-
Nymphhall	Horsequarter Cross	P/S		-		11:52			16:52		19:52	-	-
Nymphhall	The Park - St Andrews Church	P/S		09:23	10:25		13:25	15:25	16:54	18:24	19:54	-	
The Harbour	The Bay Cafe	P/S		09:24	10:24	11:54	13:24	15:24	16:54		19:55	-	-
The Harbour	The Harbour	P/S		09:25	10:25			15:26				-	-
Convent Road	Lemon Tree	P/S		09:32	10:20		13:20	15:32	17:02		20:02		-
Convent Road	Hook View	P/S		09:32	10:32			15:32			20:02		00:02
Convent Road	The Hermitage	P/S			10:32	<u> </u>	<u> </u>	<u> </u>			20:02		
Coxtown	Coxtown Cross Airfield	P/S		09:33	10:33	<u> </u>	13:28				20:03	-	
Coxtown	Shanakiel	P/S		09:34	10:33	<u> </u>	13:20	15:33	17:04	18:34	20:03		-
Coxtown	Ard Na Coille	P/S		09:35	10:34	12:04	13:30	15:34	17:04	18:35	20:04	-	00:05
Nymphhall	Azzurro	P/S		09:38	10:35	12:03	13:30	15:35	17:08	18:35	20:03		00:08
Horsequarter	Horsequarter Cross	P/S			10.56	12.00	15.51	15.56	17.00	18:39	20.08	22.00	
Ballymabin	Ballymabin	P/S								18:39			
Leperstown	Gregaridda Cross	P/S								18:40			
Leperstown	Leperstown Cross	P/S								18:41			
Kilmacomb	Creamery Cross	P/S								18:41			
Rossduff	Hickeys Cross	P/S								18:45			
Ballinkina		P/S								18:40			
Ballinkina	Knockhouse JB's Shop	P/S P/S								18:47			
Ballyvoreen	Ballyvoreen	P/S								18:47			
Callaghane	Callaghane									18:48			
	•	P/S									-		
Ballygunnertemple Passage Cross		P/S								18:48		<u> </u>	-
	Passage Cross	P/S								18:49			
Blenheim Cross	Blenheim Cross	P/S								18:50			
Ballynabola	Ballynabola	P/S								18:52			
Parkswood	Parkswood	P/S								18:54			
Passage East	Passage East	P/S								18:58			
Crooke	Crooke School	P/S								18:59			
Crooke	Burkes Shop	P/S								19:00			
Passage East	Cuan Na Greine	P/S								19:01			
Passage East	Estuary Heights	P/S								19:02			
Passage East	Suirway Bus Depot	SDO								19:03			

Figure 21: Route 611 Outbound Saturday Timetable

Waterford to Killea: Stop Location Stop Mame Restriction Stop IO Sunday/OD Waterford Beside Main Bus Depot on Quay PUO 335051 13:00 15:00 16:30 18 Waterford Tower Hotel - Lombard St PUO 13:03 15:03 16:33 18 Waterford Newtown PUO 13:03 15:03 16:33 18 Waterford Newtown PUO 13:03 15:03 16:33 18 Waterford Resycamores PUO 13:04 15:04 16:34 18 Waterford Regional Hospital PUO 13:08 15:08 16:38 18 Earls Court Maxol - Grantstown PUO 13:08 15:08 16:39 18 Ballygunnertemple Bland Yiew P/S 13:00 15:10 16:40 18 Ballygunnertemple Ballygunnertemple P/S 13:11	1 19:3.3 12 19:3.3 13 19:3.3 13 19:3.3 14 19:3.3 15 19:3.3 16 19:3.3 17 19:3.3 18 19:3.3 19 19:3.3 19 19:3.3 10 19:4.4 11 19:4.4 12 19:4.4 12 19:4.4 13 19:4.4 14 19:4.4
Waterford Beside Main Bus Depot on Quay PUO 335051 13:00 15:00 16:30 18 Waterford Clock Tower PUO 352011 13:01 15:01 16:31 18 Waterford Waterpark School PUO 13:03 15:03 16:33 18 Waterford Newtown PUO 13:04 15:04 16:34 18 Waterford Passage Road / Newtown Upper PUO 13:04 15:04 16:34 18 Waterford The Sycamores PUO 13:05 15:05 16:35 18 Waterford Regional Hospital PUO 13:08 15:08 16:38 18 Earls Court FUO 13:08 15:08 16:39 18 Ballygunnertemple Island View P/S 13:01 15:10 16:40 18 Ballygunnertemple Ballygunnertemple P/S 13:11	1 19:3.3 12 19:3.3 13 19:3.3 13 19:3.3 14 19:3.3 15 19:3.3 16 19:3.3 17 19:3.3 18 19:3.3 19 19:3.3 19 19:3.3 10 19:4.4 11 19:4.4 12 19:4.4 12 19:4.4 13 19:4.4 14 19:4.4
Waterford Clock Tower PUO 352011 13:01 15:01 16:31 18 Waterford Tower Hotel - Lombard St PUO 13:02 15:02 16:32 18 Waterford Newtown PUO 13:03 15:03 16:33 18 Waterford Newtown PUO 13:04 15:04 16:34 18 Waterford Glenville PUO 13:04 15:04 16:34 18 Waterford Glenville PUO 13:05 15:05 16:35 18 Waterford Regional Hospital PUO 13:07 15:07 16:37 18 Earls Court Earls Court PUO 13:08 15:08 16:38 18 Waterford Waterford Waterford Waterford Woodlands Hotel PUO 13:09 15:09 16:39 18 Ballygunnertemple Balse P/S <td>1 19:3.3 12 19:3.3 13 19:3.3 13 19:3.3 14 19:3.3 15 19:3.3 16 19:3.3 17 19:3.3 18 19:3.3 19 19:3.3 19 19:3.3 10 19:4.4 11 19:4.4 12 19:4.4 12 19:4.4 13 19:4.4 14 19:4.4</td>	1 19:3.3 12 19:3.3 13 19:3.3 13 19:3.3 14 19:3.3 15 19:3.3 16 19:3.3 17 19:3.3 18 19:3.3 19 19:3.3 19 19:3.3 10 19:4.4 11 19:4.4 12 19:4.4 12 19:4.4 13 19:4.4 14 19:4.4
Waterford Tower Hotel - Lombard St PUO 13:02 15:02 16:32 18 Waterford Waterpark School PUO 13:03 15:03 16:33 18 Waterford Newtown PUO 13:04 15:04 16:34 18 Waterford Glenville PUO 13:04 15:04 16:34 18 Waterford The Sycamores PUO 13:05 15:05 16:35 18 Waterford Regional Hospital PUO 13:07 15:07 16:37 18 Waterford Kewmount PUO 13:08 15:08 16:38 18 Earls Court Maxol - Grantstown PUO 13:09 15:09 16:39 18 Waterford Woodlands Hotel PUO 13:10 15:10 16:40 18 Ballygunnertemple Ballygunertemple P/S 13:11	12 19:3:3 13 19:3:3 13 19:3:3 14 19:3:4 15 19:3:3 15 19:3:3 16 19:3:3 17 19:3:3 18 19:3:3 19 19:3:3 19 19:3:3 10 19:4:4 10 19:4:4 11 19:4:4 12 19:4:4:1 13 19:4:4:1 14 19:4:4:1 15 19:4:4:1 16 19:4:4:1 17 19:4:4:1 18 19:4:4:1 19:4:4:1 19:4:4:1 19:4:4:1 19:4:4:1
Waterford Waterpark School PUO 13:03 15:03 16:33 18 Waterford Newtown PUO 13:04 15:03 16:33 18 Waterford Passage Road / Newtown Upper PUO 13:04 15:04 16:34 18 Waterford The Sycamores PUO 13:04 15:06 16:35 18 Waterford Regional Hospital PUO 13:07 15:07 16:37 18 Waterford Viewmount PUO 13:07 15:07 16:38 18 Earls Court Earls Court PUO 13:08 15:08 16:38 18 Waterford Brass Cock PUO 13:00 15:00 16:39 18 Waterford Brass Cock PUO 13:01 15:10 16:40 18 Ballygunnertemple Bekekts Bar P/S 13:11 15:10<	3 19:3:3 33 19:3:3 34 19:3:3 44 19:3:3 55 19:3:3 55 19:3:3 66 19:3:3 70 19:3:3 71 19:3:3 72 19:3:3 73 19:3:3 74 19:3:3 75 19:3:3 76 19:3:3 77 19:3:3 78 19:3:3 79 19:3:3 79 19:3:3 79 19:3:3 79 19:3:3 79 19:3:3 79 19:3:4 79 19:3:4 79 19:3:4 79 19:4:4 79 19:4:4 79 19:4:4 79 19:4:4
Waterford Newtown PUO 13:03 15:03 16:33 18 Waterford Glenville PUO 13:04 15:04 16:34 18 Waterford Glenville PUO 13:04 15:05 16:35 18 Waterford Regional Hospital PUO 32273 13:06 15:06 16:36 18 Waterford Viewmount PUO 13:07 15:07 16:37 18 Earls Court Earls Court PUO 13:09 15:09 16:39 18 Waterford Waodalads Hotel PUO 13:00 15:09 16:39 18 Ballygunnertemple Ballygunnertemple Ballygunnertemple Ballygunnertemple P/s 13:11 15:11 16:41 18 Ballygunnertemple Ballygunnertemple Ballygunertemple P/s 13:12 15:12 16:42 18 18 16:41 18	3 19:3: 34 19:3: 44 19:3: 45 19:3: 46 19:3: 47 19:3: 48 19:3: 49 19:3: 49 19:3: 49 19:3: 40 19:4: 40 19:4: 41 19:4: 41 19:4: 42 19:4: 43 19:4: 43 19:4: 43 19:4: 44 19:4: 45 19:4:
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Blenheim Cross P/S 18	_
Ballynabola Ballynabola P/S 18	_
Parkswood Parkswood P/S 18	_
Passage East Passage East P/S 18	j4
Crooke Crooke School P/S 18	_
Crooke Burkes Shop P/S 19	58
Passage East Cuan Na Greine P/S 19	58 59
Passage East Estuary Heights P/S 19	58 59 00
Passage East Suirway Bus Depot SDO 19	58 59 00 01

Figure 22: Route 611 Outbound Sunday Timetable