

**Democratic Services Section
Chief Executive's Department
Belfast City Council
City Hall
Belfast
BT1 5GS**



**Belfast
City Council**

22nd June, 2018

SPECIAL MEETING* OF CITY GROWTH AND REGENERATION COMMITTEE

(*All Members are invited to attend the Transport NI presentation)

Dear Alderman/Councillor,

The above-named Committee will meet in the Lavery Room - City Hall on Wednesday, 27th June, 2018 at 5.15 pm, for the transaction of the business noted below.

You are requested to attend.

Yours faithfully,

SUZANNE WYLIE

Chief Executive

AGENDA:

1. **Routine Matters**
 - (a) Apologies
 - (b) Declarations of Interest
2. **Presentations**
 - (a) Transport NI (Pages 1 - 64)
 - (b) Belfast City Marathon (report to follow)



Department for
Infrastructure

An Roinn

Bonneagair

www.infrastructure-ni.gov.uk

EASTERN DIVISION

Report to
BELFAST CITY COUNCIL
Spring 2018



**INVESTORS
IN PEOPLE**

Photo: Comber Greenway East Belfast

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FOREWORD BY THE EASTERN DIVISION ROADS MANAGER



Kevin Monaghan
Divisional Roads Manager

Mayor, Aldermen and Councillors

I am very pleased to present my Spring Report on Department for Infrastructure Roads work to Belfast City Council.

Eastern Division covers the two Council areas of Belfast and Lisburn & Castlereagh. It is one of four Divisions, each of which manages, improves and maintains the transport network and is the primary contact point for road users and public representatives.

This report deals with works completed in the Belfast City Council area during the year 2017/18 and sets out our programme of schemes being undertaken in the year 2018/19.

There are pressures on both capital and resource funding again in 2018/19. On the capital side, my staff will continue to develop resurfacing and traffic management schemes to enhance safety, improve traffic flow and provide measures for pedestrians and cyclists.

The overall 2018/19 structural maintenance capital budget is £75m for Northern Ireland. Of that, £15m has been set aside for a roads recovery fund which is being used to address areas of immediate need across the road network. Almost 40,000 surface defects have been repaired in the last few months. This level of funding will allow us to continue to identify those roads most in need of repair and prioritise this work alongside other ongoing priorities.

Whilst there is a slight increase in our resource budget this year, there remains a significant reliance on in-year funding to deliver core services. As the year progresses we will continue to bid for additional funding to maintain the integrity of the road network.

I am pleased to report that a wide programme of Maintenance and Local Transport and Safety schemes was delivered last year.

I would encourage Councillors to continue to contact the relevant members of my staff in relation to operational matters and they will do their best to assist.

I hope that you find this report informative. DfI Roads values constructive comment on all its activities and I look forward to meeting Council members on 27th June 2018.

A handwritten signature in black ink, appearing to read 'Kevin Monaghan', written over a light grey background.

Kevin Monaghan

1.0 INTRODUCTION

Eastern Division is part of the Roads structure, within the Department for Infrastructure, made up of separate business units who order services (within Network Services Directorate) and those who provide services in the Engineering Directorate (Design & Consultancy Services and Operations & Maintenance) (see figure 1 below).



Figure 1 – Organisation Context

Eastern Division Management Structure



Kevin Monaghan (90526140)
kevin.monaghan@infrastructure-ni.gov.uk
Divisional Roads Manager



Philip Robinson (90526183) philip.robinson@infrastructure-ni.gov.uk
Network Traffic and Street Lighting

Traffic Management minor improvements, pedestrian priority, traffic orders, signing, collision remedial schemes, Street Lighting, resident and disabled parking, car parks and pay and display spaces, cycling and traffic calming. BRT infrastructure delivery and QBC & bus prioritiv. 'Park and Ride schemes.



Lionel Walsh (90526273) lionel.walsh@infrastructure-ni.gov.uk
Network Planning

Development Control, Private Streets and Transport Assessments



Roy Gordon (9025 4500) roy.gordon@infrastructure-ni.gov.uk
Network Transport Telematics

Traffic signal control, operation of the Traffic Information and Control Centre, Traffic and travel information and European projects INSTANT and STREETWISE.



Attracta Tremers (90526145) attracta.tremers@infrastructure-ni.gov.uk
Business Support

Financial control, land acquisition and disposal, retained human resources, building management and office supplies, council reports, business plan and communications.



Stephen Pollock (90526165) stephen.pollock@infrastructure-ni.gov.uk
Network Development / Strategic Route Improvements

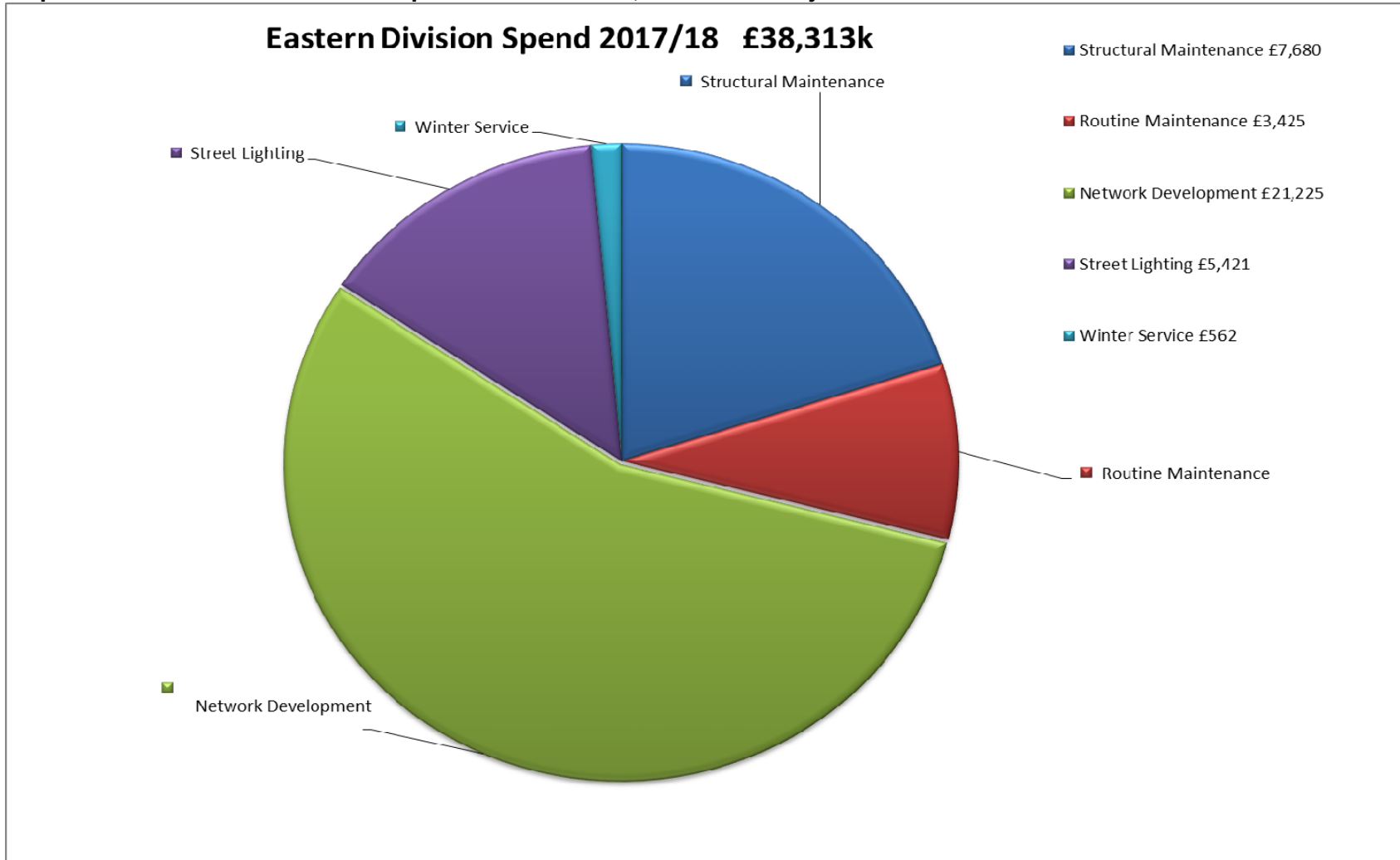
Minor works programme, maintenance and strengthening of structures, Forward Planning, Developing and progressing Strategic Highway Improvements within Eastern Division



Colin Sykes (90526177) colin.sykes@infrastructure-ni.gov.uk
Network Maintenance

Maintenance of adopted roads and footways including inspections, resurfacing, drainage, grass cutting and weed control, winter gritting and liaison with the utility companies.

NB: Figures provided are Eastern Division's provisional outturn, which are subject to Audit before finalisation.



Belfast City Council area – Key Statistics

Roads infrastructure	Eastern Division	Belfast City Council area
Length of public road (km)	2427	1335
Length of footway (km)	3082	2151
Number of bridges	363	104
Number of street lights	66815	45247
Number of car parks	4	3
Number of car parking spaces	2106	2071

WHAT WE DO

Maintaining the road network

Structural maintenance

Maintaining the network in a safe and serviceable condition remains one of our highest priorities.

Structural maintenance includes:

- The resurfacing and surface dressing of roads and footways
- The repair of surface defects, such as potholes and broken flagstones
- The replacement and repair of road gullies, culverts and manholes

Within the Eastern Division area in 2017/18 we:

- Invested £7.7 million on structural maintenance
- resurfaced 52.58 lane km of the road network
- resurfaced 10.08 km of footways

Condition of the network

Monitoring the condition of our road network is an essential part of planning maintenance work and, in order to detect deterioration at an early stage, we undertake a number of annual road condition surveys using specialist vehicles to measure the strength, surface condition and skidding resistance of our roads.

In 2017/18 71.2% of the motorway and 75.4% of trunk road network had a residual life of more than 5 years compared to a target of 70% respectively. The information from the survey gives us an indication of areas of the road network which require further investigation and are likely to require maintenance.

Routine maintenance

Routine maintenance is important, both to enhance user safety and to help prevent more significant and costly maintenance problems building up over time.

In Eastern Division during 2017/18 we:

- Invested around £0.72 million replacing road markings, cutting grass verges to maintain visibility, emptying gullies and maintaining or replacing safety barriers and maintaining street trees, verges and fences.
- Repaired 31,206 road defects following inspections.

Managing the road

The Traffic Information and Control Centre (TICC) is located within Belfast City Council area and from this location DfI Roads manage:

- 330 sets of traffic signal controller junctions
- 600 sets of traffic signal controlled pedestrian crossings
- 45 motorway gantries
- 73 motorway Variable Message Signs
- Use approximately 160 CCTV cameras to monitor the road network in real time

We also disseminate real time travel information through the use of Social media

- with 30,715 followers on Twitter,
- in excess of 650,000 unique users on Trafficwatchni.com website in 2016 and
- approximately 3,000 users registered to receive emergency e-mail alerts.

We manage the road network to promote its safety and efficient operation. We have continued to make use of the latest technology and traffic management techniques to improve road safety, provide facilities for all road users, and effectively manage the network. This has included:

- Monitoring and management of traffic signal timings
- Responding to at least 92% of urgent traffic signal faults within 24 hours
- The use and extension of traffic control and monitoring systems
- The promotion and introduction of Puffin crossings
- The provision and management of motorway control systems
- The supply and management of road traffic signs
- The internal dissemination of collision records to help target areas of safety concern
- The provision of accurate and reliable traffic information to the public including replies to traffic count queries and the provision of the annual traffic count census report.

Within Eastern Division during 2017/18 we:

- Provided pre-trip information on the trafficwatchni website, www.trafficwatchni.com, via radio broadcasts and our traffic information telephone line 08457123321.
- Commenced the upgrade of traffic signals at 1 signalised junction. [DN: other parts of Eastern Division may have undertaken similar work as well as BRT].
- Completed the migration of the Urban Traffic Control Communications system (UTC) to a new operating platform to ensure its continued robustness and expandability.

- Completed the upgrade of 2 pedestrian crossings. [DN: again other parts of Eastern Division may have undertaken similar work as well as BRT].
- Commenced the migration of the CCTV control system to a new operating platform to ensure its continued robustness and expandability.

Winter Service

The aim of winter service is to help, as far as possible, main road traffic to move safely and freely in wintry conditions by spreading salt at the most effective times.

Eastern Division, has a fleet of 23 gritters and over 100 personnel available to salt approximately, 1,306km of main roads.

There were 115 call-outs this year, using around 20,148 tonnes of salt, at a cost of approximately £15k per call-out to treat all roads on the salting schedule. Eastern Division completed 92% of winter salting actions within 4 hours.

Our total winter service expenditure was £1.68 million.

Emergency Response Service

We have procedures in place to assist with roads related emergency incidents to ensure a response, 24 hours a day, 7 days a week.

Our emergency response procedures are supported by a well-established reporting system to gather operational information from across Northern Ireland during an emergency. A lead communicator is available out of hours all year round to ensure that the latest news on road conditions is available to the travelling public and we have enhanced the trafficwatch website to enable the lead communicator to keep this information updated including Social Media System and Twitter.

Development Control and Private Streets

Development Control staff act as consultee to Planning Service, providing advice on road safety, traffic progression, transportation, roads layout/standards and policy compliance. During the 2017/18 financial year, Eastern Division dealt with over 2,500 planning application consultations and processed an average of 75% of these within 15 working days. In relation to new housing developments, 10km of Private Streets have been determined in 2017/18. This means that if and when the streets are built to the agreed layout and standard, they will be adopted into the public roads network. 70 new development sites have started since April 2017 representing approximately 6.5km of new roads and footways. At 31 March 2018 we held £24.5M in bonds, and during 2017/18, £4M of new bonds were processed with £2.8M released on adoption.

Street Works

Our road network is a major public asset valued at over £32 billion. It accommodates a network of underground pipes and cables which deliver key services to the public including water supply, waste water disposal, electricity, gas and telecommunications.

Utility companies have the right to open the public road to place or maintain their equipment. In 2017/18 there were 46,703 utility company road openings across Northern Ireland, with some 13,852 in Eastern Division. We work closely with utility companies to minimise disruption caused by street works and ensure better quality reinstatements.

Our Inspectors in Eastern Division have carried out over 3,430 visits to street works sites to inspect work in progress and completed reinstatements.

Improving the Road Network

Major Road Improvements

Network Development Section progress the development of major road improvement schemes in the Strategic Road Improvement Programme. Delivery of these schemes is dependent on funding levels envisaged through the Investment Strategy for Northern Ireland 2011-21 and future budget settlements.

In Eastern Division there are three major road improvement schemes currently at development stage. These are the York Street Interchange, the A55 Knock Road and the A2 Sydenham Bypass.

- York Street Interchange - on the 15 November 2016, Chris Hazzard MLA, DfI Minister, announced the publication of the outcome of the Public Inquiry into this scheme. This included the publication of the Public Inquiry Inspector's Report and the Departmental Statement.
- The procurement process for the York Street Interchange has been progressed in parallel with the statutory process. The tender process to appoint a Contractor to bring the scheme to a construction ready stage has now been completed, however tender award cannot occur due to a legal challenge. The legal process is ongoing, with the court hearing having finished and the judgement being awaited.
- Following a Ministerial direction, the process of consulting local residents and key stakeholders on issues identified in the Inspector's Report has now commenced.

The commencement of construction for the York Street Interchange will depend on the satisfactory completion of an economic assessment, completion of the statutory process and subject to funding being made available in future budget settlements.

Bridge Strengthening

DfI Roads regularly inspects its stock of bridges and other structures on the public road network.

Last year across Eastern Division we inspected 134 structures and carried out maintenance and repair work to 21 structures. In 2017/18 we spent a total of £240k on strengthening and maintaining our current stock of bridges, culverts and retaining walls.

Local Transport and Safety Measures

In 2017/18 we spent over £3.5 million on a range of measures to improve the safety and efficiency of the road network. In Eastern Division this included implementation of:

- 20 Minor Works improvement schemes;
- 5 Collision Remedial measures at specific sites;
- 2 Traffic Calming measures;
- 5.4 kms of new cycle facilities;
- 2 Controlled Pedestrian Crossings;
- Improvements to the trafficwatch website and the motorway control system as well as continuously ongoing work to improve the performance of our traffic signals and pedestrian controlled crossings.

Street Lighting

We provide and maintain street lighting on all adopted roads in urban areas and in certain circumstances, on rural roads.

In 2017/18 we spent £2.12 million installing new and maintaining existing lighting systems in Eastern Division. This excludes the energy costs which were £3.06 million.

Budget constraints have meant that the Department has faced periods of significant street lighting resource pressures over the last two years. While budget pressures still exist this year, our initial allocation for street lighting maintenance allows us to continue using our external contractors to carry out street lighting repairs at this time. However, the continuation of this service for the full year will depend on the outcome of monitoring rounds.

Customer Service

DfI Roads aims to inform, consult and involve customers by:-

- supplying up-to-date information through our publications, at shows and exhibitions and via our website <http://www.drdni.gov.uk> and;
- listening to customer needs; and
- remaining open, transparent and visible at all times.

We publish a wide range of information leaflets on specific road schemes and on the services we provide. Our free newspaper, "On the Move", is published twice a year and distributed through our local offices and public libraries.

We provide up-to-date travel news through our travel information website www.trafficwatchni.com and our traffic hotline for Greater Belfast on 08457 123321. Traffic information is updated at 10 minute intervals and broadcast on BBC Radio Ulster during peak times.

During the development phase of major roads projects, we consult with a wide range of stakeholders, including elected representatives and the public and, particularly, those likely to be directly affected by the works. We hold exhibitions at local venues and inform the public through press articles, leaflet drops and individual visits, as necessary.

During 2017/18 we received 3679 written enquiries from the general public and responded to 86% of these within 15 days.

2.0 NETWORK DEVELOPMENT/STRATEGIC ROAD IMPROVEMENT

Principal Engineer – Stephen Pollock (9052 6165)

stephen.pollock@infrastructure-ni.gov.uk

He is supported by the following staff:

Works and Structures - David Grills (9052 6174)

david.grills@infrastructure-ni.gov.uk

This team is responsible for major works, minor works and Structures.



Strategic Road Improvement 2 – Basil Hassard (9052 6168)

basil.hassard@infrastructure-ni.gov.uk

Basil is responsible for development of the A2 Shore Road dual carriageway scheme, the M1 / A1 Link at Sprucefield and the Sydenham By-pass scheme. Basil is supported by Ian Kernaghan (ext 53073).



Strategic Road Improvement 1 – Colin Pentland (9052 6167)

colin.pentland@infrastructure-ni.gov.uk

Colin is responsible for progressing development of the York Street Scheme and the A55 Knock Road widening.



2.1 YORK STREET INTERCHANGE SCHEME



Preferred Option to improve York Street Interchange

Delivery of the York Street Interchange scheme remains a high priority for the Department. This scheme will address a major bottleneck on the strategic road network, replacing the existing signalised junction at York Street with direct links between Westlink, M2 and M3, the three busiest roads in Northern Ireland.

On the 15th November 2016, Mr Chris Hazzard MLA, the previous DFI Minister, announced the publication of the outcome of the Public Inquiry into the York Street Interchange proposal. This included the publication of the Public Inquiry Inspector's Report and the Departmental Statement.

The procurement process for the York Street Interchange has been progressed in parallel with the statutory process. The tender process to appoint a Contractor to bring the scheme to a construction ready stage has now been completed. However, tender award cannot occur at present due to a legal challenge. The legal process is ongoing, with the court hearing having finished and the judgement awaited.

Following Ministerial approval, the process of consulting local residents and key stakeholders on issues identified in the Inspector's Report has now commenced.

2.2 M1 and M2 BUS LANES

There is an existing hard shoulder bus lane on the M1, which operates during peak traffic periods. This runs east bound toward Belfast, from just after the Lisburn Motorway Services Area to Junction 3 at Black's Road, Belfast. DfI Roads is proposing to extend this back to Junction 8 at Blaris. DfI Roads is also proposing to introduce a hard shoulder bus lane on the M2 towards Belfast, between Greencastle and Duncrue Street.

A previous proposal to do this in 2017 did not proceed due to higher than expected tendered costs that were received at the procurement stage. Since then DfI Roads has reviewed the original proposal and developed an alternative proposal, which is currently undergoing a procurement process. Subject to successful completion of this, works are expected to take place in 2018.

2.3 BELFAST RAPID TRANSIT (BRT)

BELFAST RAPID TRANSIT – PROJECT UPDATE

Infrastructure

The majority of the road infrastructure works are now complete. These works have included carriageway widening and resurfacing, footpath improvements, traffic signal and pedestrian crossing upgrades, new LED public lighting, etc.

The details of the works still on-site are as follows:

Andersonstown Road (between Whiterock Road and Finaghy Road North) - Works on this section have been substantially completed with minor works associated with traffic signals and halts still underway.

Upper Newtownards Road (between Knock Road and Dunlady Road) – This scheme is progressing well, despite the weather delays. Co-ordination with NIW in relation to the Ballyhackamore sewer replacement works is continuing and these works are due to be completed by the end of July, including full lane width reinstatement. Construction works on this scheme will be substantively complete by the July holidays with the exception of some minor works on traffic signals and public lighting.

Citi Route – Work on this scheme is now progressing well and construction work is due to be substantially complete by the end of the month. NIW works on Oxford Street are ongoing and are currently scheduled to be completed by the end of July. The works in the Harbour Estate are being progressed and are due to be completed by the end of July.

Stewartstown Road (between Michael Ferguson Roundabout and McKinstry Road Roundabout) - Construction work on this scheme is progressing well and is due to be substantially completed by the end of June with minor works still to be completed on traffic signals.

Colin Transport Hub (Colin Connect) - Construction work continues on this complex and high specification build. The current scheduled completion date is November with sectional completion in late August to allow the facility to be used for the commencement of Glider services.

Legislation

The BRT Bus Lane legislation has now been made, following the withdrawal of the majority of the objections.

Further BRT legislation relating to waiting restrictions, loading bays, bus cages and parking bays is currently in the legislative process.

BRT Halts

Some 80 BRT halts have been completed, out of a total of 102 halts. The roll out of the ticketing equipment is also ongoing. The installation of real time passenger information screens at halts has also commenced.

BRT Vehicles

29 of the 30 Glider vehicles have now been delivered to Translink's new Milewater Service Centre. These vehicles will be used for operational testing and for promotional work.

Marketing & Communications

Glider public information events, including the vehicle where possible, are ongoing at numerous key locations and venues around Belfast. These events are well publicised and will continue through to the operational date. To date the response from attendees has been overwhelmingly positive and enthusiastic.

Introduction of 12-hour BRT Bus Lanes

The new bus lanes will be introduced as follows:

23rd July 2018

WWAY - Between McKinstry Road Roundabout and Millfield

CITI Route - College Square / College Avenue

30th July 2018

EWAY - Between East Bridge Street and Dunlady Road

6 August 2018

CITI Route - Belfast Harbour Estate / Sydenham Road / Queens Quay / Queens Bridge / Queen Elizabeth Bridge / Oxford Street

Shadow Running

As part of Translink's operational readiness for the official launch of Glider services, they will fully test all elements of the Glider System in a live customer environment. A shadow run of the Glider services will be held between Tuesday 28 and Thursday 30 August. The Glider service will run half hourly from 7.00am to 7.00pm and will pick up and drop off passengers at halts along the route between Dundonald Park & Ride and McKinstry Road. All 30 Glider vehicles will be tested over this period. Customer and Revenue Protection Officers and other staff will be present both on the vehicles and at the halts to provide information and answer customer queries.

Official Launch



There will be an official launch event for the new BRT/Glider service on Friday 31 August 2018 in the Titanic Centre. The full details for this event are currently being finalised.

Go-Live Date

The Glider services will commence operations across the entire BRT network on Monday 3 September 2018.

2.4 MINOR WORKS

2017/18 Works completed

Scheme		Status
<p>Church Road, Belfast.</p> <p>Provision of new footway along the eastern side of Church Road to link the existing footway at Manse Road with the entrance to the Henry Jones playing fields.</p>		<p>Completed</p>
 <p>Before</p>	 <p>After</p>	

MINOR WORKS

2018/19 Programme of Works

Scheme	Status
<p>Barnetts Road, Belfast.</p> <p>Scheme to repair a slip in the supporting embankment, incorporating localised carriageway widening and realignment to provide 80m of new footway along the northern side of Barnetts Road to link with the existing footways on Kings Road and the Comber Greenway, along with the provision of a masonry wall.</p> <p>Preliminary site clearance completed in February 2018.</p>	<p>Programmed</p>
<p>Blacks Road / M1 Junction 3, Belfast.</p> <p>Widening of M1 off-slip to introduce an additional right turn lane and the widening of Blacks Road to introduce an additional lane at the Blacks Road / Old Golf Course Road junction, including provision of a new footbridge over the railway line to the south of Blacks Road.</p>	<p>Programmed</p>



2.5 MAINTENANCE OF STRUCTURES Works Completed

2017/18 Inspections &

Scheme	Status
PRINCIPAL INSPECTIONS	
Bridge No 20124 – East Bridge Street(Road)	Completed
Bridge No 20125 – East Bridge Street(Rail)	Completed
Bridge No 20141 – Ballygomartin Road	Completed
Bridge No 20143 – Springfield Road, Culvert	Completed
Bridge No 20151 – Old Westland Road	Completed
Bridge No 20152 – Westland Culvert	Completed
Bridge No 20153 – Fortwilliam Railway Bridge	Completed
Bridge No 20171 – Queen Elizabeth Bridge	Completed*
Bridge No 20172 – Queens Bridge	Completed
Bridge No 20181 – Albert Bridge	Completed
Bridge No 20184 – Dee Street Bridge(Railway Span)	Completed*
Bridge No 20201 – Summerhill Avenue	Completed
Bridge No 20220 – Old Shaws Bridge	Completed
Bridge No 20227 – Suffolk Bridge	Completed
Bridge No 20249 – Fane Street Bridge	Completed*
Bridge No 20250 – Tates Avenue Bridge(Railway Span)	Completed*
Bridge No 20255 – Ormeau Bridge	Completed
Bridge No 20256 – Kings Bridge	Completed*
Bridge No 20257 – Governors Bridge	Completed

Scheme	Status
Bridge No 20258 – Shaws Bridge	Completed
Bridge No 20268 – Kings Road/Knock River	Completed
Bridge No 26790 – Great George Street Gantry	Completed
CONCRETE/COMPOSITE STRUCTURES	
Bridge No 20258 – Kings Bridge – Materials Testing, Structural Survey and Condition Assessment.	Completed*
MASONRY STRUCTURES	
Bridge No 20183 – Ballymacarrett Road, Subway – New Bollards at entrance.	Completed*
Bridge No 20254 – Ormeau Road Bridge over Rail – Vegetation Removal	Completed*
METAL/STEEL STRUCTURES	
Bridge No 20222 - Lislea Avenue, Footbridge – Metal Work Repairs and Highlighting of Step Nosings	
Bridge No 20249 – Fane Street – Metal Work Alterations.	Completed*
MISCELLANEOUS	
North Queen Street Steps – Repair and Highlighting of Step Nosings	Completed*

*Additional to programme

MAINTENANCE OF STRUCTURES Inspections & Works

2018/19 Programme of

Scheme	Status
PRINCIPAL INSPECTIONS	
Bridge No 20179 – Bridge End Flyover	Programmed
Bridge No 20186 – Mersey Street Bridge	Programmed
Bridge No 20187 – Sydenham Bypass/Connswater	Programmed
Bridge No 20196 – Clara Park	Programmed
Bridge No 20232 – Finaghy Road North Bridge	Programmed
Bridge No 20233 – Farmhill Bridge	Programmed
Bridge No 20237 – Westlink	Programmed
Bridge No 20336 – Fortwilliam Arch 1 & Pillar 5	Programmed
Bridge No 20337 – Fortwilliam Arch 2 & Pillar 6	Programmed
Bridge No 20338 – Fortwilliam Pillars 3&4.	Programmed
Bridge No 20339 – Fortwilliam Pillar 1&2.	Programmed

Scheme	Status
CONCRETE/COMPOSITE STRUCTURES	
Bridge no 20250 – Tates Avenue – Application of Anti-slip and Highlighting of Step Nosings.	Programmed
Bridge no 20251 - Lower Windsor Avenue – Remedial Works to address Ponding Issues.	Programmed
MASONRY STRUCTURES	
Fortwilliam Arches – Removal of Graffiti	Programmed
METAL/STEEL STRUCTURES	
Bridge No 20247 – Abington Street, Footbridge – Repairs to Infill Panels	Programmed
MISCELLANEOUS	
Central Station at NIE Substation – Installation of Inspection Gate for Inspection Purposes.	Programmed
East Bridge Street Arches – Repairs to Palisade Fencing	Programmed

3.0 NETWORK TRAFFIC AND STREET LIGHTING

Principal Engineer – Philip Robinson (9052 6183) philip.robinson@infrastructure-ni.gov.uk

He is supported by the following staff:

Traffic Management 1 - Paul King (9052 6187)

paul.king@infrastructure-ni.gov.uk



This team deals with traffic improvement schemes in Belfast.

Traffic Management 2 - Graeme Salmon (9052 6238)

graeme.salmon@infrastructure-ni.gov.uk



This team deals with traffic improvement schemes in Lisburn and Castlereagh and collision remedial schemes in all council areas.

Traffic Management 3 – Stephen McMeekin (9052 6245)

stephen.mcmeekin@infrastructure-ni.gov.uk



This team is responsible for residents' parking, development of car parking, cycle measures and traffic calming.

Street Lighting - Evans Gibson (9052 6266)

evans.gibson@infrastructure-ni.gov.uk



This team is responsible for Street Lighting and the illumination of signs.

Transportation - Harry Armstrong (9052 6256)

harry.armstrong@infrastructure-ni.gov.uk



This team is responsible for delivery of BRT Infrastructure, the Quality Bus Corridor (QBC) programme, other bus priority measures and Park and Ride.

3.1 COLLISION REMEDIAL SCHEMES 2017/18 Works completed

Scheme	Status
Ballyutoag Road at No.60 – High friction surfacing on bend	Completed
Old Golf Course Road/ Creighton Road Roundabout – enhanced signing and high friction surfacing	Completed
Springfield Road at Springfield Avenue – High friction surfacing on approach to Zebra crossing	Completed

COLLISION REMEDIAL SCHEMES 2018/19 Programme of Works

Scheme	Status
Schemes have been identified and will be progressed should funds become available	Programmed
Crumlin Road from Ardoyne Road to Ballysillan Road - High Friction Surfacing route treatment at 3 locations on approach to pedestrian signals	Programmed
Glen Road/ Kennedy Way, Roundabout - High Friction Surfacing on approaches	Programmed

3.2 TRAFFIC SCHEMES 2017/18 Works Completed

Scheme	Status
Glen Road/Suffolk Road - Signalisation	Deferred

TRAFFIC SCHEMES 2018/19 Programme of Works

Scheme	Status
Schemes will be identified and will be progressed should funds become available	Ongoing

3.3 TAXIS 2017/18 Works Completed

Scheme	Status
Botanic Avenue at NIR Station – new combined Taxi/Loading Bay 24hr.	Completed
Bridge Street at Northern Whig & Iceland – new 24hr Taxi Ranks.	Completed

Scheme	Status
Dublin Road at the Movie House – Taxi Rank change from 7pm-7am to 24hrs.	Completed
Dublin Road at the Etap Hotel – Taxi Rank change from 7pm-7am to 24hrs.	Completed
Dublin Road at Marcus Ward Street – new Loading Bay 24hrs.	Completed
High Street at Hi-Park Centre – new Taxi Rank 24hrs	Completed

TAXIS

2018/19 Programme of Works

Scheme	Status
Dfl Roads is continuing to progress proposals for new public hire taxi ranks.	Ongoing

3.4 PEDESTRIAN MEASURES

2017/18 Works Completed

Scheme	Status
Whiterock Road at Glenalina Road – Puffin Crossing	On Site
Whiterock Road between Falls Road and Springfield Road – 3 no. pedestrian refuge islands	Completed

PEDESTRIAN MEASURES

2018/19 Programme of Works

Scheme	Status
Springfield Road (Falls Road to West Circular Road) – Dropped kerbs & tactiles.	Programmed
Newtownards Road at Belvoir Street upgrade of Zebra crossing with high intensity LED lighting units and high friction surfacing treatment on both approaches.	In Progress*
Newtownards Road at Bryson Street upgrade of Zebra crossing with high intensity LED lighting units and high friction surfacing treatment on both approaches.	In Progress*
Black's Road at St Gerard's School – Pedestrian refuge island	On Site

3.5 SAFER ROUTES TO SCHOOLS 2018/19 Programme of Works

Scheme	Status
Schemes have been identified and will be progressed should funds become available	Ongoing

3.6 TRAFFIC SIGNS 2017/18 Works Completed

Scheme	Status
Carlisle Circus – 2no. 'Zebra crossing warning signs'	Completed
Tamar Street – 'No through road' sign.	Completed
Forthriver Road – 2no. 'Elderly people' warning signs.	Completed
Ormeau Road/Saintfield Road at Galwally Park – 2no. Bend warning signs.	Completed
The Green, Dunmurry – waiting restriction time plates.	Completed
Stranmillis Road – 2no. direction signs 'Statistics & Research Agency'	Completed
Gaffikin Street – 'No access to NIR Station' informatory sign.	Completed
Tomb Street – 3no. waiting restriction plates.	Completed
Connsbrook Avenue – 4no. 'Park Avenue Methodist Church' direction signs.	Completed
Malone Road, Stranmillis Road, University Road & Short Strand – Total of 10no. Urban Clearway signs provided as an upgrade.	Completed
Falls Road & Divis Drive – 2no. Roundabout warning signs.	Completed
Whitewell Road at Whitewell Mews – 1no. staggered junction warning sign.	Completed
Kings Road/Kinross Avenue – 3no. Grace Baptist Church direction signs.	Completed
Ardvarna Crescent/Ardvarna Park – 1no. 'No through road' sign.	Completed
Sydenham Bypass at Dee Street & City Airport – 3no. 'No u-turn' signs.	Completed
Massey Avenue, Cleaver Park & Rugby Court– waiting restriction time plates.	Completed
York Link at Nelson Street – Advance direction sign.	Completed
Orby Drive Area (Grosvenor Grammar School) - alteration to advisory one-way signs	Completed
Divis Street - Waiting restriction plates; 6 No. Limited waiting signs 1 hour no return within one hour and 4No. Limited waiting signs 2 hours no return within one hour	Completed
Cleaver Park and Cleaver Avenue – 2No. 'Mon-Fri 9.30am-4.30pm' Waiting Restriction Plates	Completed

Scheme	Status
Eastleigh Crescent and Halstein Drive – New one way system posts and signs	Completed
Bankmore Street (Near Fire Station) – Upgrade of one-way signs	Completed
Castlereagh Street – 2No. Limited waiting time plates ‘Mon-Sat 8am-6pm, 2 hours, No Return within 1 hour’	Completed
Appleton Park at Finaghy Road South - 2no. ‘No through road’ signs	Completed
High Street – 2No. ‘No waiting at any time except taxis’	Completed
Bridge Street – 3No. ‘No waiting at any time except taxis’ sign	Completed
Newtownards Road Zebra crossing at Bryson – ‘Zebra crossing’ warning sign	Completed
Newtownards Road Zebra crossing at Belvoir Street – ‘Zebra crossing’ warning sign	Completed
Onslow Parade, Ravenhill Park, Shelbourne Road and Ravensdene Park Gardens - Existing One-way traffic system signage; 13No. replacement signs and 5No. new signs.	Completed
Silverstream Terrace –1No. ‘No Through Road’ sign	Completed
Castle Street – ‘Loading Only’ sign (replacement)	Completed
Posnett Street – 1No. ‘Give way’ plate	Completed
Dublin Road – Taxi Rank signs at the Etap Hotel	Completed
Earlscourt Street – 4No. ‘One Way’ arrow plates.	Completed
Ulsterville Drive at Dunluce Avenue – ‘Turn left ahead’ sign	Completed
Crumlin Road – 2 No. ‘Side Road’ warning signs	Completed
Lisburn Road at Melrose Street - ‘No Right Turn’ plate for Eglantine Avenue	Completed
Great Victoria Street, Ormeau Road and University Road – 6No. new Hotel signs	Completed
Springfield Road at Springfield Avenue – 2No. ‘Pedestrian Crossing Warning’ Sign on approaches to Zebra crossing	Completed
Cromac Street – 2No. ‘Signals and Warning Signs’ for Pelican crossing at Eliza Street.	Completed
Falls Road and Divis Street – Removal of 9No. poles in Lay-bys	Completed
Ventry Lane (off Ventry Street/ Dublin Road) – Renew and Erect additional working bay time plates (Mon-Fri 8.00am-6.30pm)	Completed
Various Locations – 23No. ‘Taxi Rank Class B taxis only’ signs	Completed
Various Locations – 6No. ‘Taxi Rank Class B taxis only’ signs	Completed

Scheme	Status
Botanic Avenue - Taxi Lines and Signs including; 'No waiting except taxis', 'Loading Only' and 'This area is for Class B Taxis and Loading Only'	Completed
Newtownards Road at Middlepath Street/ Bridge End – 1No. Urban Clearway sign (am & pm restriction)	Completed
Rosetta Park – Replacement of 'No Left Turn' sign with 'No Left Turn' sign on yellow backing board.	Completed

TRAFFIC SIGNS

2018/19 Programme of Works

Scheme	Status
Traffic signs will be provided as required.	Ongoing

3.7 CARRIAGEWAY MARKINGS

2017/18 Works Completed

Scheme	Status
Brookhill Avenue, no34-36 - 'I' bar keep clear marking.	Completed
Roden Street at Iverna Street - Double yellow line corner restrictions.	Completed
Cooneen Way near Mount Merrion Ave – two areas of hatching at junctions.	Completed
Knock Road at Whincroft Road – Pedestrian Guard-rail.	Completed
Camberwell Terrace at Castleton Gdns – Turn right worded marking/arrow & No Entry.	Completed
Locksley Gardens – Give-way junction marking.	Completed
Gortin Park & North Sperrin - Give-way junction markings.	Completed
Station Road, Sydenham - 'I' bar keep clear marking.	Completed
Wilton Court Mews at Canmore St - 'I' bar keep clear marking.	Completed
Alfred Street & Sussex Place – 3no. Keep Clear junction markings.	Completed
Cliftonville Road – at a number of locations, end of parking bay 'I' bar keep clear markings.	Completed
Abbey Park North Sperrin – Pedestrian Guard-rail.	Completed
Galwally Park at Saintfield Road – Yellow box junction marking.	Completed

Scheme	Status
Apollo Road at Hovis Bakery – Central hatching on bend & additional warning lines.	Completed
Herbert Street at Havana Way - Give-way junction markings.	Completed
Old Golf Course Road at Black's Road – Lane arrows and warning/guide lines.	Completed
Water Street/Donagall Square North – amended double yellow lines.	Completed
Abingdon Drive at Donegall Road – new waiting restrictions (double yellow lines)	Completed
The Green, Dunmurry - new waiting restrictions (double & single yellow lines)	Completed
Iveagh Street at Fallswater Street - Double yellow line corner restrictions.	Completed
Ava Street at Ava Avenue - Give-way junction markings.	Completed
Ravenhill Park at Ravenhill Road – No Entry marking.	Completed
Marshalls Road – 2no. 'I' bar keep clear markings.	Completed
Pilot Street - 'I' bar keep clear marking.	Completed
Donegall Square Mews at Adelaide St – Worded 'Turn Right' & Arrow	Completed
Camden Street – waiting restrictions, 12m of new double yellow lines.	Completed
Shamrock Court at Mount Street South - Double yellow line corner restrictions.	Completed
Malfin Drive at Social Club – Pedestrian Guard-rail.	Completed
Rathcool Street at Lisburn Road - Double yellow line corner restrictions.	Completed
Tennent Street at Crumlin Road – 2no. lane arrows.	Completed
Olympia Parade at Tate's Avenue - Double yellow line corner restrictions.	Completed
Boundary Street & Greenland Street - Double yellow line corner restrictions.	Completed
Harrowgate Street at Iris Street - Double yellow line corner restrictions.	Completed
Dunluce Avenue, no48-50 - 'I' bar keep clear marking.	Completed
Chambers Street at Donegall Pass - Double yellow line corner restriction & 'I' bar keep clear marking.	Completed
Broughton Gardens at Ravenhill Road - Double yellow line corner restrictions.	Completed
Tennent Street outside PSNI Station – new waiting restriction (double yellow lines).	Completed

Scheme	Status
Cavehill Road outside PSNI Station – new waiting restriction (double yellow lines).	Completed
Antrim Road at Allworthy Avenue - Double yellow line corner restrictions.	Completed
Broadway at Irwell Court - Double yellow line corner restrictions.	Completed
My Lady's Road at Willowfield Church - 'I' bar keep clear marking.	Completed
Lincoln Avenue - new waiting restrictions (double & single yellow lines).	Completed
Rugby Court - new waiting restriction (single yellow lines).	Completed
Massey Avenue at Netherleigh DfE - new waiting restriction (single yellow line).	Completed
Stranmillis Road at Riddel Hall QUB - new waiting restriction (double yellow lines).	Completed
Tate's Avenue at the access road from South Studios – Corner Restrictions 'Double Yellow Lines'	Completed
Ulsterville Place - 'I' bar marking	Completed
Newtownards Road at Belvoir Street Zebra 'Stripes'/'Terminal'/'Zig-zags'/'One-way'/Broken Lines and 5 studs	Completed
Ogilvie street on Woodstock Road - Renew 'Double Yellow Lines'	Completed
Fitzroy avenue - 'I' bar marking at alleyway and double end bar at either side of new 'I' bar	Completed
Windsor Park at apartment block – 'I' bar marking	Completed
Manor Street – 2 lengths of Pedestrian Guard Rail either side of tactile paving	Completed
Essex Grove – 47m 'Double Yellow Lines'	Completed
Cleaver Park/Avenue – 118m 'Double yellow Lines' and 77m of 'Single Yellow Line'	Completed
Windsor Drive – 14m 'Double Yellow Line'	Completed
Wellesley Avenue – Renew 35m 'Double Yellow Lines'	Completed
Meadowhill Grange at Meadowhill – Give Way junction markings	Completed
Shandarragh Park at North Circular Road – Corner Restriction 'Double Yellow Lines' (30m) and renew existing 'Double Yellow Lines'	Completed
Gaffikin Street – Renew of existing lines throughout the street	Completed
Belmont Road at Massey Avenue – Lay new/re-new existing marking including 'Give Way' markings and extended lane lines	Completed

Scheme	Status
Mount Aboo Park, Finaghy – Renew ‘Single Yellow Lines’ (90m) and ‘Double Yellow Lines’ (90m)	Completed
Derryvolgie Avenue – ‘Keep Clear’ worded markings	Completed
Wellington park - ‘I’bar keep clear markings	Completed
Silverstream Avenue – ‘Give Way’ Markings	Completed
Posnett Steet – ‘Give Way’ markings	Completed
Bridge Street – New Taxi Rank marking	Completed
High Street – New Taxi Rank marking	Completed
Eastleigh Crescent - Alterations/ New Markings for new one-way system	Completed
Laganvale Manor at Lockview Road – Corner Restrictions ‘Double Yellow Lines’ (60m)	Completed
Knock Road – Deflection Arrows	Completed
Dromara Street at Ormeau Road – Corner Restrictions ‘Double Yellow Lines’ 60m	Completed
Old Mill Road, Ligoniel at entrance to playground – ‘Keep Clear’ markings	Completed
Adelaide Street – ‘Turn Left’ and Arrow markings	Completed
Lorne Street at Tate’s Avenue – Corner Restrictions ‘Double Yellow Lines’ (60m)	Completed
Mowhan Street at Moonstone Street – Corner restrictions ‘Double Yellow Lines’ no.6 completed during section office maintenance	Completed
Moonstone St at Capstone St – Corner Restrictions ‘Double Yellow Lines’ 6no. completed during section office maintenance	Completed
Wandsworth Road at Ormiston Crescent/ Hawthornden Park – Straight ahead arrow and repaint of ‘Give Way’ markings, hazard lines and direction arrows.	Completed
Crumlin Road – ‘I’ bar marking at alleyway	Completed
Mill Valley Road, Ligoniel Road – 20. No. Hazard Markings and corner restrictions	Completed
Silverstream Park at Ballysillan Road – Corner Restrictions ‘Double Yellow Lines’ (52m)	Completed
Conway Link at Falls Court and Conway Square – Corner Restriction markings	Completed
Dublin Road at ETap Hotel – Update Taxi Rank Markings	Completed
Jocelyn Gardens - ‘I’ bar markings	Completed
North Parade – ‘I’ bar marking	Completed

Scheme	Status
Malone Avenue Area/ Lisburn Road Area – Renewal and Addition of and One-way markings	Completed
Falls Road – ‘I’ Bar Marking at Gaelscoil An Lonnrin PS	Completed
Ulsterville Drive at Dunluce Avenue – Give Way junctions markings and ‘Turn Left’ arrow	Completed
Stranmillis Road in Lay-by LHS Sandhurst Gardens – End of bay marking	Completed
Haypark Avenue – ‘I’ bar marking	Completed
Castlereagh Street at Albertbridge Road – Changes to existing lay-by edge markings for limited waiting	Completed
Park Parade (Ravenhill Road) – Corner Restrictions ‘Double Yellow Lines’ (45m)	Completed
Ulsterville Avenue at Ulsterville Drive – Corner Restrictions ‘Double Yellow Lines’ (113m)	Completed
La Salle Drive on approach to La Salle Mews – 5 no. hazard markings, Centre Line around bend	Completed
Earlscourt Street at Iris Street-Corner Restrictions ‘Double Yellow Lines’ (25m)	Completed
Glebe Road at Lenwood Drive, Dunmurry – Corner Restrictions ‘Double Yellow Lines’ (30m)	Completed
Bankmore Street at Maryville Street – Realignment of ‘Give Way’ road markings	Completed
Cadogan Street, Curzon Street and Collingwood Avenue at Agincourt Avenue – Corner Restriction ‘Double Yellow Lines’ (60m/48m/44m)	Completed
Lake Glen Drive at Lake Glen Avenue – Corner Restrictions ‘Double Yellow Lines’	Completed
Eliza Street at Eliza Street Terrace– Corner Restrictions ‘Double Yellow Lines’ (19m)	Completed
Barrington Gardens at Abington Drive – Corner Restrictions ‘Double Yellow Lines’ (33m)	Completed
Parkmount Road – Corner Restrictions ‘Double Yellow Lines’ (15m)	Completed
Lincoln Avenue – Corner Restrictions ‘Double Yellow Lines’ (45m)	Completed
Lake Glen Drive at Falls Road – ‘I’ bar marking	Completed
Dunluce Avenue at Fane Street– Corner Restrictions ‘Double Yellow Lines’ (34m)	Completed
Ulsterville Avenue at Fane Street – Corner Restrictions ‘Double Yellow Lines’ (32m)	Completed
Eversleigh Street at Lawnmount Street- Corner Restrictions ‘Double Yellow Lines’ (38m)	Completed
Eversleigh Street at gate to Playground – ‘Keep Clear’ worded marking and ‘Zig-Zag’ yellow markings (10m)	Completed

CARRIAGEWAY MARKINGS**2018/19 Programme of Works**

<i>Scheme</i>	<i>Status</i>
Carriageway markings will be provided as required	Ongoing

3.8 LEGISLATION**2017/18 Works Completed**

<i>Scheme</i>	<i>Status</i>
WAITING RESTRICTIONS	
Castlereagh Street – Limited Waiting outside No.s 1-9 (Mon-Fri, 8am-6pm)	Completed
TRAFFIC ORDERS	
Hatfield Street, Farnham Street, Rutland Street – One Way Traffic System	Completed

LEGISLATION**2018/19 Programme of Works**

<i>Scheme</i>	<i>Status</i>
WAITING RESTRICTIONS	
Ardenlee Green – At any time.	In Progress*
Ardmoulin Avenue/Close – At any time.	In Progress*
Grange Park, Dunmurry – At any time.	In Progress*
Ladas Drive at PSNI Station – At any time.	In Progress
Lake Glen Drive at Lake Glen Avenue – At any time.	In Progress*
North Bank at Greenway – At any time.	In Progress*
Ormeau Road at Hatfield Street – Mon-Fri 8am-6pm.	In Progress*
Rowland Way near Boyne Court – At any time.	In Progress*
Rushfield Avenue (bend at nos 2-4) – At any time.	In Progress*
The Green, Dunmurry – additional At any time restrictions.	In Progress*
Upper Dunmurry Lane at Dunmurry Office Park – At any time.	In Progress*
York Street at Galway House – At any time.	In Progress*
Anne's Place - Mon-Fri 8am-6pm	In Progress*

Scheme	Status
Carrington Street-At any time	In Progress*
Stranmillis Court – At any time	In Progress*
Dundela Street – At any time	In Progress*
Newtownards Road at Bridge End – At any time	In Progress*
Provision of limited waiting restrictions in Cooke Street area, Belfast – At any time	In Progress*
Provision of accessible parking bays in Elmwood Avenue, Belfast – Unlimited Waiting	In Progress*
Townsend Street – Mon-Fri 8am-6pm	In Progress*
TRAFFIC ORDERS	
Rathgar Street – Proposed one way traffic system	In Progress*
New Barnsley Crescent – Proposed one way traffic system	In Progress*
Benview Park and Drive – Proposed one way traffic system	In Progress*

3.9 DISABLED PARKING BAYS

2017/18 Works Completed

Scheme	Status
27 Carncaver Road	Completed
6 Redcar Street	Completed
72 Knockwood Crescent	Completed
31 Lothair Street	Completed
100 Ardoyne Road	Completed
Knocknagoney Green	Completed
5 Colvil Street	Completed
94 North Parade	Completed
73 Old Bakers Court	Completed
105 Dunraven Park	Completed
6 New Farm Lane	Completed

Scheme	Status
12 Ferndale Court	Completed
62 Forthriver Drive	Completed
106 York Park	Completed
2 Barrington Gardens	Completed
22 Cussick Street	Completed
11 Elm Street	Completed
9 Knock Green	Completed
24 Mount Merrion Drive	Completed
39 Willowfield Parade	Completed
20 Oceanic Avenue	Completed
1 Cavendish Square	Completed
53 Larkfield Gardens	Completed
15 Rochester Street	Completed
16 Whitewell Parade	Completed
13 Haywood Avenue	Completed
81 Clarawood Avenue	Completed
292 Limestone Road	Completed
15 La Salle Gardens	Completed
13 Waveney Grove	Completed
BAYS REMOVED:-	
40 Redcar Street	Completed
47 Carncaver Road	Completed
149 Ulsterville Avenue	Completed
88 Rosebery Road	Completed
36 Raby Street	Completed
15 Larkfield Gardens	Completed
Cliftonville Street, Belfast	Completed

Scheme	Status
Palestine Street, Belfast	Completed
Clarawood Park 57, Belfast	Completed
Windsor Road 54, Belfast	Completed
Oldpark Road 486, Belfast	Completed
Iris Drive 9, Belfast	Completed

DISABLED PARKING BAYS

2018/19 Programme of Works

Scheme	Status
Willowholme Parade 8, Belfast	In Progress
Carrington Street 21, Belfast	In Progress
Imperial Street 15, Belfast	In Progress
Sandown Drive 6, Belfast	In Progress
Carrington Street 54, Belfast	In Progress
Clara Street 1b, Belfast	In Progress
Forthriver Green 5, Belfast	In Progress
Knocknagoney Avenue 22, Belfast	In Progress
Whitehall Gardens 7, Belfast	In Progress
Burmah Street 65, Belfast	In Progress
Knocknagoney Drive 18, Belfast	In Progress
Rathmore Street 6, Belfast	In Progress
Ulsterville Gardens 31, Belfast	In Progress
Willowholme Drive 5, Belfast	In Progress
Castlereagh Place 31, Belfast	In Progress
Carncaver Road 42, Belfast	In Progress
Glendower Street 24, Belfast	In Progress
Fort Street 16, Belfast	In Progress

Scheme	Status
Highpark Drive 13, Belfast	In Progress
BAYS TO BE REMOVED:-	In Progress
Runnymere Drive 4, Belfast	In Progress
Mount Street South 8, Belfast	In Progress
Sefton Drive 6, Belfast	In Progress
Dunraven Park 7, Belfast	In Progress
Belmont Road 78, Belfast	In Progress
Joanmount Park 79, Belfast	In Progress
Northbrook Street 121, Belfast	In Progress

3.10 STREET LIGHTING

2017/18 Works Completed

Scheme	Status
Alliance Avenue	Completed
Antrim Road Phase 1 (Carlisle Circus – Cavehill Road) LED Retrofit	Completed
Antrim Road Phase 2 (Carlisle Circus – Cavehill Road) LED Retrofit	Completed
Ardmoulin Avenue/ Close	Completed
Ballysillan Park	Completed
Belvoir Road/Upper Knockbreda Road LED Retrofit	Completed
Bliston Road LED Retrofit	Completed
Cambrai Street LED Retrofit	Completed
Cavehill Road LED Retrofit	Completed
Crumlin Road Phase 1 & 2 (Carlisle Circus – Hillview Road)	Completed
Donegal Rd/ Falls Road – Broadway Roundabout	Completed
Donegall Square East and West LED Retrofit	Completed
Evelyn Avenue	Completed
Finaghy Road North	Completed

Scheme	Status
Great Georges Street	Completed
Ladas Drive LED Retrofit	Completed
Lower Saintfield Road at Forestside LED Retrofit	Completed
Monagh Bypass LED Retrofit	Completed
Moyard Park	Completed
North Queen Street LED Retrofit	Completed
Ormeau Embankment Phase 1	Completed
Rodney Parade/ Drive/ Street/ St Katherines Road/ St James Crescent/ Parade/ Drive	Completed
Shore Road Phase 1 (Skegoniell Ave to Fortwilliam Pk)	Completed
Sintonville Avenue	Completed
Squire's Hill, Crescent	Completed
Tamery Pass	Completed
Upper Crumlin Road LED Retrofit	Completed
Upper Galwally LED Retrofit	Completed
West Circular Road LED Retrofit	Completed
Woodvale Road LED Retrofit	Completed

STREET LIGHTING

2018/19 Programme of Works

Scheme	Status
Adelaide Street LED Retrofit	Programmed
Ainsworth Avenue LED Retrofit	Programmed
Alanbrooke Road LED Retrofit	Programmed
Alexander Road LED Retrofit	Programmed
Ann Street LED Retrofit	Programmed
Annadale Embankment/Avenue LED Retrofit	Programmed
Arlington Drive LED Retrofit	Programmed

Scheme	Status
Ballygowan Road LED Retrofit	Programmed
Bedford Street LED Retrofit	Programmed
Belmont Road LED Retrofit	Programmed
Beverley Street LED Retrofit	Programmed
Blacks Road (M1 Bridge to Malone Road)	Programmed
Brooke Park Est LED Retrofit	Programmed
Brougham Street LED Retrofit	Programmed
Brunswick Street LED Retrofit	Programmed
Castlehill Road LED Retrofit	Programmed
Cavehill Road LED Retrofit	Programmed
Clarence Street LED Retrofit	Programmed
Clarence Street West LED Retrofit	Programmed
Cliftonville Road LED Retrofit	Programmed
Conway Street LED Retrofit	Programmed
Cranbrook Court/Farrington Gdns/Vesheda Court and Way	Programmed
Creighton Road LED Retrofit	Programmed
Crumlin Road Phase 3 (Hillview to Ardoyne)	Programmed
Crumlin Road Phase 4 (Ardoyne to Ligoniel Rd)	Programmed
Cupar Way LED Retrofit	Programmed
Dargan Road	Programmed
Dill Road LED Retrofit	Programmed
Donegall Park Avenue LED Retrofit	Programmed
Downview Avenue LED Retrofit	Programmed
Dublin Road LED Retrofit	Programmed
Dundela Avenue LED Retrofit	Programmed
Dunmurray Lodge LED Retrofit	Programmed
Enfield Street LED Retrofit	Programmed

Scheme	Status
Finaghy Road South	Programmed
Forthriver Road LED Retrofit	Programmed
Forthriver Way LED Retrofit	Programmed
Franklin Street LED Retrofit	Programmed
Garnock Hill LED Retrofit	Programmed
Glen Road (Falls Rd to Kennedy Roundabout)	Programmed
Glencairn Crescent LED Retrofit	Programmed
Glencairn Street LED Retrofit	Programmed
Glendale LED Retrofit	Programmed
Glengoland Est LED Retrofit	Programmed
Glenmachan Street	Programmed
Gloucester Street LED Retrofit	Programmed
Grand Parade LED Retrofit	Programmed
Gray's Lane LED Retrofit	Programmed
Hamilton Street LED Retrofit	Programmed
Hollywood Road Phase 1	Ongoing
Hughenden Avenue LED Retrofit	Programmed
Innisfayle Road LED Retrofit	Programmed
James Street South LED Retrofit	Programmed
Kings Road (Knock - Ice Bowl) LED Retrofit	Programmed
Kingsway Subway West and East	Programmed
Knockbreda Road LED Retrofit	Programmed
Knocknagoney Road LED Retrofit	Programmed
Lanark Way LED Retrofit	Programmed
Landsdowne Road LED Retrofit	Programmed
Lawnbrook Avenue LED Retrofit	Programmed
Linenhall Street LED Retrofit	Programmed

Scheme	Status
Linenhall Street West LED Retrofit	Programmed
Lyndhurst Gardens LED Retrofit	Programmed
Manor Street LED Retrofit	Programmed
Massey Avenue LED Retrofit	Programmed
Mayfield Sq LED Retrofit	Programmed
Middlepath Street LED Retrofit	Programmed
Montgomery Road LED Retrofit	Carried Over from 17/18
Mount Merrion Avenue LED Retrofit	Carried Over from 17/18
Mountforde Drive	Carried Over from 17/18
Mountpottinger Road Phase 1	Carried Over from 17/18
My Ladys Road LED Retrofit	Programmed
North Howard Street LED Retrofit	Programmed
North Road LED Retrofit	Programmed
Northumberland Street LED Retrofit	Programmed
Oakhurst Avenue LED Retrofit	Programmed
Old Golf Course Road LED Retrofit	Programmed
Old Hollywood Road LED Retrofit	Programmed
Oldpark Road LED Retrofit	Programmed
Ormeau Avenue LED Retrofit	Programmed
Park Road LED Retrofit	Programmed
Parkmount St/Seaview St/Castleton Ave	Programmed
Ravenhill Avenue LED Retrofit	Programmed
Ravenhill Road/ Albertbridge Road/ Short Stand High Masts LED Retrofit	Programmed
Roden Street LED Retrofit	Programmed
Rosetta Road LED Retrofit	Carried Over from 17/18
Rutherglen Street LED Retrofit	Programmed

Scheme	Status
Salisbury Avenue LED Retrofit	Programmed
Sandown Road LED Retrofit	Programmed
Shandon Park LED Retrofit	Programmed
Shore Road Phase 2 (Fortwilliam Pk to Donegal Park Ave)	Programmed
Somerton Road LED Retrofit	Programmed
St Annes Est LED Retrofit	Programmed
Stranmillis Embankment LED Retrofit	Programmed
Sydenham By-Pass Phase 1 LED Retrofit	Carried Over from 17/18
The Manor LED Retrofit	Programmed
Tillysburn High Mast LED Retrofit	Carried Over from 17/18
Torrans Avenue LED Retrofit	Programmed
Upper Malone Road LED Retrofit	Programmed
Upper Queen Street LED Retrofit	Programmed
Wandsworth Road	Carried Over from 17/18
Westland Road LED Retrofit	Programmed
Westway Drive LED Retrofit	Programmed
Westway Gardens LED Retrofit	Programmed
Whitewell Road LED Retrofit	Programmed
Willowfield Street LED Retrofit	Programmed

3.11 CYCLE MEASURES

2017/18 Works Completed

Scheme	Status
Castledillon Road Shared Footpath.	Completed
Comber Greenway to Abbey Park Link – Footpath upgrade.	Completed
Comber Greenway Widening (Phase 1).	Completed
Queen Elizabeth II Bridge to Island Street cycleway.	On site

Scheme	Status
Connswater Street at Community Greenway - Toucan Crossing	On site

CYCLE MEASURES

2018/19 Programme of Works

Scheme	Status
Castle Street / Donegall Place to Queen Elizabeth II Bridge cycleway.	Programmed
Queen Elizabeth II Bridge to Island Street cycleway.	On site
Signal Upgrade at Gilnahirk Primary School	Programmed

3.12 TRAFFIC CALMING

2017/18 Works Completed

Scheme	Status
Rochester Road – Traffic Calming scheme (raised table / ramps)	Completed

TRAFFIC CALMING

2018/19 Programme of Works

Scheme	Status
Tennent Street – Traffic Calming Scheme (raised table / cushions)	Programmed

It should be noted that all Traffic Calming schemes are subject to a legislative process and to the availability of funding before they can proceed.

The legislative process provides for representations / objections to be received on our proposals. Where residents do not support individual schemes or where objections are received, it may not be possible to deliver our intended programme. In this event substitutions, on a Division-wide basis, may be made throughout the financial year.

3.13 CAR PARKING

2017/18 Works Completed

Scheme	Status
Eastside Car Park – Environmental Works	Completed

CAR PARKING

2018/19 Programme of Works

<i>Scheme</i>	<i>Status</i>
No programmed schemes	

3.14 RESIDENTS' PARKING

Residents parking scheme in Rugby Road / College Park Avenue area fully operational 16 April 2018. This scheme which provides 117 resident permit holders bays and 119 Pay & Display bays (Mixed use) operates 8am to 6pm, Monday to Friday except the loading bay which operates 7am to 6pm.

3.15 TRANSPORTATION MEASURES 2017/18 Works Completed

<i>Scheme</i>	<i>Status</i>
Glen Road, Belfast- Provision of hard stand on grass verge to facilitate new bus stop.	Completed

TRANSPORTATION MEASURES 2018/19 Programme of Works

<i>Scheme</i>	<i>Status</i>
Black's Road Park and Ride – Provision of an additional 307 spaces. [Associated with Traffic Management Strategy for York Street interchange]	Programmed
Crumlin Road at Ardoyne shops – Replacement of existing old Roads Service shelter with new Adshell shelter and transferred into Translink's maintenance contract.	Programmed

4.0 NETWORK TRANSPORT TELEMATICS

Principal Engineer – Roy Gordon (9025 4500) roy.gordon@infrastructure-ni.gov.uk

He is supported by the following staff:

Declan Murphy (90 254536) declan.murphy@infrastructure-ni.gov.uk

This team is responsible for the day to day running of the Traffic Information and Control Centre. It is responsible for the installation, maintenance and operation of Intelligent Transport Systems (ITS) including traffic control on the urban and motorway networks and the provision of traffic and travel information.



Gary McCracken (90 254510) gary.mccracken@infrastructure-ni.gov.uk

This team is responsible for the installation and maintenance of all traffic signals as well as NI wide contracts for the supply of traffic signs, school safety signs and vehicle activated signs. The team is also responsible for the internal dissemination of collision records, the Road Safety Engineering Report and traffic counting including the publication of the Annual Traffic and Travel Information (Census) Report.



TICC's TrafficwatchNI website



M1 / A12 Westlink Managed Route

4.1 NETWORK TRANSPORT TELEMATICS

2017/18 Works Completed

Scheme	Status
TRAFFIC AND TRAVEL INFORMATION	
We will continue to enhance the TrafficwatchNI website and improve our social media facilities as appropriate.	Ongoing
URBAN CLOSED CIRCUIT TELEVISION (CCTV) CAMERAS	
Review CCTV coverage to ensure its continued adequacy and identify camera locations that are in need of upgrade.	Ongoing
Identify new locations where the provision of cameras will enhance the coverage of the CCTV network, to improve traffic control capabilities.	Ongoing
TRAFFIC CONTROL SYSTEMS	
Utilise TICC's communications and control infrastructure together with the CCTV network to ensure traffic flows are monitored and effectively managed on the urban and motorway networks.	Ongoing
We will monitor traffic signal timings to ensure they are appropriate for the prevailing traffic conditions.	Ongoing
Ballygomartin Rd / Forthriver Rd, Belfast – signal junction upgrade incorporating extra low voltage equipment and puffin crossing facilities	Completed
PEDESTRIAN MEASURES	
Gt Victoria St at Wellwood St, Belfast - pelican to puffin upgrade	Completed
CENTRAL ROAD SAFETY UNIT	
This unit will continue to have a strategic overview of road safety and the analysis of collision data on roads across the Province	Ongoing

Scheme	Status
TRAFFIC AND TRAVEL INFORMATION	
We will upgrade the TrafficwatchNI website to ensure it remains robust, secure and fit for purpose.	Commenced
URBAN CLOSED CIRCUIT TELEVISION (CCTV) CAMERAS	
We will continue the migration of our CCTV system onto a more robust, secure and expandable digital platform.	Programmed
We will continue to identify new locations where the provision of cameras will enhance the coverage of the CCTV network to improve traffic control capabilities.	Ongoing
TRAFFIC CONTROL SYSTEMS	
We will continue the rollout of Server to Server Bus priority on Quality Bus Corridors throughout Belfast.	Ongoing
We will commence a review of our Urban Traffic Control System (UTC) to ensure the system remains robust and secure.	Programmed
TRAFFIC MANAGEMENT	
We will monitor traffic signal timings to ensure they are appropriate for the prevailing traffic conditions.	Ongoing
We will utilise TICC's communications and control infrastructure together with the CCTV network to ensure traffic flows are monitored and effectively managed on the urban and motorway networks.	Ongoing
Subject to adequate funding being made available we will upgrade traffic signal equipment as required	Ongoing
PEDESTRIAN MEASURES	
Subject to adequate funding being made available we will upgrade controlled pedestrian crossing equipment as required	Ongoing
CENTRAL ROAD SAFETY UNIT	
This unit will continue to have a strategic overview of road safety and the analysis of collision data on roads across the Province	Ongoing

5.0 NETWORK MAINTENANCE

Principal Engineer – Colin Sykes (9025 3111) colin.sykes@infrastructure-ni.gov.uk

He is supported by the following staff:

**Belfast South Section Engineer – Gabriel Doherty
(9025 4609)** Gabriel.doherty@infrastructure-ni.gov.uk

1a Airport Road, Belfast, BT3 9DY
(As Belfast North below)



**Belfast North Section Engineer – Trevor McClay
(9025 4044)** trevor.mcclay@infrastructure-ni.gov.uk

148 – 158 Corporation Street, Belfast, BT1 3DH
This team is responsible for contact with the public and elected representatives, highway inspections, resurfacing, responsive repairs, routine maintenance, winter gritting, road opening consents and licences, public liability claims and liaison with the service utility companies.



**Support Services Manager- Bill Fulton
(9052 6182)** bill.fulton@infrastructure-ni.gov.uk

This team is based in Stormont Estate and is responsible for general co-ordination, bidding, allocating and monitoring finances, maintenance of safety fences, contract monitoring, statistics and enforcement.



5.1 CARRIAGEWAY RESURFACING

2017/18 Works Completed

Scheme	Status
BELFAST SOUTH	
From April 2017 to March 2018, 10.50km of carriageway has been resurfaced in the Belfast South area. This equates to 35,624sqm and includes the schemes listed below.	
Ascot Gardens	Completed
Ascot Park	Completed
Hillside Drive	Completed
Hillside Gardens	Completed
Hillside Park	Completed
Onslow Parade	Completed
Ravenhill Park	Completed
University Avenue	Completed
Ormonde Avenue/Lille Park	Completed
Mount Merrion Avenue	Completed*
Killowen Street	Completed*
Sandringham Street	Completed*
Tildarg Street	Completed*
Ogilvie Street	Completed*
Elm Street – including Oak Street	Completed*
Wilgar Street	Completed*
Belmont Avenue/ Dundela Gardens	Completed*
Castleward Park	Completed*
Castlerobin Road	Completed*
Belmont Church Road	Postponed due to planned NI Water scheme
Windsor Avenue/ Windsor Avenue North	Postponed
BELFAST NORTH	
From April 2017 to March 2018, 11.82 km of carriageway has been resurfaced in the North Belfast area. This equates to approximately 45000 sqm and includes the completed schemes listed below.	
Brianswell Road	Completed

Scheme	Status
Clare Glen	Completed
Crumlin Road	Completed
Dargan Road	Completed*
Glenbawn Avenue	Completed
Glenkeen	Completed
Old Park Road	Completed
Victoria Gardens	Completed
Ballygomartin Road, West Circular to Springmartin	Postponed – due to NIW works
Columbia Street	Deferred to 2018/19 due to delays in NIHE scheme
Leopold Street	Completed
Palmer Street	Postponed
Rosebank Street	Deferred to due to delays in NIHE scheme
Sydney Street West	Postponed
Garden Row	Completed

*Additional to programme

CARRIAGEWAY RESURFACING

2018/19 Programme of Works

Scheme	Status
BELFAST SOUTH	
Fairway Drive	Ongoing
Fairway Gardens	Ongoing
Fairway Avenue	Ongoing
Fairway Crescent	Ongoing
Downshire Parade	Ongoing
College Green	Programmed
Clonlee Drive	Programmed
Belmont Road – Tweskard Lodge to Knockdarragh Park	Programmed
Ardvarna Park	Programmed

<i>Scheme</i>	<i>Status</i>
Ardvarna Crescent	Programmed
Helgor Park	Programmed
Ballycairn Drive	Programmed
Ballycairn Close	Programmed
Altnacreeva Avenue	Programmed
Whinneyhill Drive	Programmed
Gilnahirk Road – Kings Road to Kensington Road	Programmed
Inverary Avenue – Hollywood Road to Playing Fields	Programmed
A55 Newtownbreda Road – East Bound, Belvoir Road to Saintfield Road	Programmed
Windsor Avenue North	Programmed
Windsor Avenue – Malone Road to St Brides School	Programmed
Ormeau Road – Annadale Avenue to Upper Galwally	Programmed
Stranmillis Road – Malone Road to Richmond Park	Programmed
Inverary Drive	Programmed
Larkfield Road – Connsbrook Avenue to Palmerston Road	Programmed
BELFAST NORTH	
Sydney Street West	Programmed
Colombia Street	Programmed
Rosebank Street	Programmed
Palmer Street	Programmed
Credenhill Park	On site
Brianswell Road / Collinwell Road	Programmed
Great George's Street	Programmed
Donegall Road – Falls Road to roundabout	Programmed
Millfield	Programmed
Waterloo Park North	Programmed
Waterloo Park South	Programmed
Squireshill Road	Programmed
Abbeydale Crescent	Programmed
Abbeydale Drive	Programmed

5.2 FOOTWAY RESURFACING

2017/18 Works Completed

Scheme	Status
BELFAST SOUTH	
From April 2017 to March 2018, 6.26km of footway has been resurfaced in the Belfast South area. This includes the schemes listed below.	
Ascot Gardens	Completed
Ascot Park	Completed
Hillside Drive	Completed
Hillside Gardens	Completed
Hillside Park	Completed
Onslow Parade	Completed
Ravenhill Park	Completed
University Avenue	Completed
Ormonde Avenue/Lille Park	Completed
Randal Park	Completed
Elm Street – including Oak Street	Completed*
Windsor Avenue/ Windsor Avenue North	Postponed
Belmont Church Road	Postponed - due to planned NIWater scheme
BELFAST NORTH	
From April 2017 to March 2018, 1.5km of footway has been resurfaced in the North Belfast area. This includes the completed schemes listed below.	
Serpentine Road	Completed
Leopold Street	Completed
Dungloe Crescent – remote footway	Postponed
Glen Road – remote footway	Postponed
Colombia Street	Programmed
Rockville Street – Falls Road to end	Postponed
Rosebank Street	Programmed
Shaws Road – remote footway	Postponed

FOOTWAY RESURFACING

2018/19 Programme of Works

<i>Scheme</i>	<i>Status</i>
BELFAST SOUTH	
Fairway Drive	Ongoing
Fairway Gardens	Ongoing
Fairway Avenue	Ongoing
Fairway Crescent	Ongoing
Downshire Parade	Ongoing
College Green	Programmed
Clonlee Drive	Programmed
Belmont Road – Tweskard Lodge to Knockdarragh Park	Programmed
Ardvarna Park	Programmed
Ardvarna Crescent	Programmed
Helgor Park	Programmed
Upperlands Walk	Programmed
Gilnahirk Road – Kings Road to Kensington Road	Programmed
Inverary Avenue – Hollywood Road to Playing Fields	Programmed
Windsor Avenue North	Programmed
Windsor Avenue – Malone Road to St Brides School	Programmed
BELFAST NORTH	
Dungloe Crescent – remote footway	Programmed
Glen Road – remote footway	Programmed
Colombia Street	Programmed
Rockville Street – Falls Road to end	Programmed
Rosebank Street	Programmed
Shaws Road – remote footway	Programmed
Palmer Street	Programmed
Credenhill Park	On site
Kilcoole Park	Programmed
Waterloo Park North	Programmed
Waterloo Park South	Programmed

5.3 DRAINAGE

2017/18 Works Completed

Scheme	Status
BELFAST SOUTH	
Replacement of Storm Culvert Grills on Parkway	Completed
BELFAST NORTH	
Alexandra Park Avenue	Completed
Forthriver Road	Completed

DRAINAGE

2018/19 Programme of Works

Scheme	Status
BELFAST SOUTH	
College Park Avenue SUDS Scheme	Ongoing
Feasibility Study for storm drainage at Ormonde Park / Upton Park	Ongoing
BELFAST NORTH	
Blacks Road	Programmed
Summerhill Road	Programmed

5.4 SURFACE DRESSINGS

2017/18 Works Completed

Scheme	Status
BELFAST SOUTH	
A2 Sydenham By-Pass at Dee Street – renewal of High Friction Surface	Completed

5.5 PUBLIC REALM Streets Ahead Project (DfC)

2017/18 Works Completed

The first phase of The Belfast Streets Ahead project funded by DfC, which aimed to improve the public areas of Belfast City Centre came to an end in July 2012. This work involved the reconstruction of streets with granite paving, the provision of new street furniture, lighting, signs and landscaping and also included some public art and sculpture. Future maintenance of these streets now rests with DfI Roads.

5.6 Streets Ahead Project (DfC)

2017/18 Works Completed

Scheme	Status
Lower Glen Road	Completed

Streets Ahead Project (DfC)

2018/19 Programme of Works

Scheme	Status
BELFAST NORTH	
High Street (In conjunction with Cycling Scheme)	Programmed
Waring Street	Programmed

5.7 LIAISON WITH UTILITIES

2017/18 Works Completed

Scheme	Status
NI WATER	
DfI Roads staff will continue to work closely with NI Water and their Consultants on the major upgrade of NIW mains infrastructure throughout Belfast	Ongoing
PHOENIX GAS	
No major infrastructure builds notified. Service connection for new customers may occur.	Ongoing
VIRGIN MEDIA	
No major infrastructure builds notified. Service connection for new customers may occur.	Ongoing
POWER NI	
No major infrastructure builds notified. Service connection for new customers may occur.	Ongoing
BT	
No major infrastructure builds notified. Service connection for new customers may occur.	Ongoing

LIAISON WITH UTILITIES

2017/18 Programme of Works

Scheme	Status
NI WATER	
DfI Roads staff will continue to work closely with NI Water and their Consultants on the major upgrade of NIW mains infrastructure throughout Belfast and in particular North Belfast.	In Progress
PHOENIX GAS	
No major infrastructure builds notified. Service connection for new customers may occur.	Ongoing
VIRGIN MEDIA	
No major infrastructure builds notified. Service connection for new customers may occur.	Ongoing
BT	
No major infrastructure builds notified. Service connection for new customers may occur.	Ongoing
POWER NI	
No major infrastructure builds notified. Service connection for new customers may occur.	Ongoing

6.0 NETWORK PLANNING

Principal Engineer – Lionel Walsh (9052 6273) lionel.walsh@infrastructure-ni.gov.uk

He is supported by the following staff:

Development Control Team 1 – Michael Fox (9052 8103)

michael.fox@infrastructure-ni.gov.uk

This team manages the review of Transport Assessments associated with planning applications, Strategic/Significant Planning Applications and Private Streets determinations, bonds and adoption certificates for the Division.



Development Control Team 2- Stephen Cash (9262 6670)

stephen.cash@infrastructure-ni.gov.uk

This team deals with development control for the Lisburn & Castlereagh Council area. Stephen also provides specialist advice on development control issues.



Development Control Team 3 – Geoff Lawther (9052 6285)

geoff.lawther@infrastructure-ni.gov.uk

This team deals with development control for Belfast Council area and Titanic Quarter. Geoff also provides specialist advice on development control issues in these areas.



Development Planning – Conleth Sloan (9052 6284)

conleth.sloan@infrastructure-ni.gov.uk

This team deals with development planning for Lisburn and Castlereagh, and Belfast Council areas. Conleth also provides transport advice to Local Transport Plans and Community Plans for the Division and the coordination of Eastern Division input to regeneration/public realm projects.



6.1 ADOPTIONS

Adoptions completed from last spring report

Location	Length Adopted (M)
Annalee Court	150m ² of new turning head with 0.5m wide grass margin.
Barnetts Road/Barnetts Crescent	Barnetts Crescent: 20 square metres of additional footway surface plus 7 square metres of additional carriageway surface. Barnetts Road: 46 square metres of additional footway surface.
Belmont Road	55 square metres of footway for sight splay to new private entrance.
Cairnmartin Crescent	Cairnmartin Crescent: 293 linear metres of traditional carriageway, (<i>including 3 no. turning heads</i>), plus associated footways. Cairnmartin Road: 28 linear metres of remote footway link to Rutherglen Street.
Credenhill Wood	Credenhill Wood: 8 linear metres of traditional carriageway with associated footway plus 30 linear metres of shared surface carriageway with associated service strip, turning head and 43m ² of lay-by parking (<i>Credenhill Park to end</i>). Credenhill Park: 12 linear metres of footway (<i>fronting house no 1</i>).
Forest Lane	6 linear metres of traditional carriageway with associated footway (<i>junction Forest Park</i>) and 59 linear metres of shared surface carriageway with associated service strip and turning head (<i>Forest Park – to end</i>).
Glasvey Court	Glasvey Court: 44 linear metres of carriageway with associated turning head, buffer strip and 36m ² of parking (<i>house no. 19 to end</i>). 57 linear metres of carriageway with associated turning head and 39 linear metres of footway (<i>Glasvey Close to end</i>). Glasvey Close: 21 linear metres of footway (<i>adjacent to Glasvey Court</i>).
Glen Grove	67 linear metres of traditional carriageway, including turning head, with footway on one side only, (<i>0.5m buffer strip on opposite side</i>).
Goldstone Hall	Goldstone Hall: 51 linear metres of traditional carriageway, (<i>including turning head</i>), plus associated footway. Park Avenue: 60 linear metres of widened footway.
Lenadoon Avenue	58 square metres of parking bay plus additional 115 square metres of footway.
Lupus Grove	Lupus Grove/Millbank Park: 70 metres of traditional carriageway, (<i>including turning head</i>), with associated footways and 80 square metres of parking. Lupus Grove/Wolfend Way: 35 linear metres of traditional carriageway, (<i>including turning head</i>), with associated footways.

Location	Length Adopted (M)
Lyme Grove (enforcement site)	Lyme Grove: 74 linear metres of carriageway with associated turning head, 176m ² of communal parking and 1m ² round street lighting columns (<i>Ulster Avenue to end</i>) Ulster Avenue: 27 linear metres of footway (<i>junction Lyme Grove</i>).
Malone Park Gardens	113 linear metres of traditional carriageway with associated footways.
Malvern Terrace / Malvern Lane	Malvern Terrace: 88 linear metres of traditional carriageway with associated footways and 99 square metres of lay-by parking. Malvern Lane: 100 linear metres of traditional carriageway with associated footways and 99 square metres of lay-by parking. Hopewell Crescent: 70 linear metres of footway. Shankill Parade: 8 linear metres of footway.
Ormeau Road	40 linear metres of footway (<i>from Raby Street to Pavilion Bar</i>).
Shanvis Court (enforcement site)	36 linear metres of traditional carriageway with associated footway, turning head and 22m ² of parking (<i>Percy Street to end</i>).
Slieveban Avenue	Slieveban Avenue: 200 linear metres of traditional carriageway with associated footways and 84 square metres of lay-by parking. Slievegallion Drive: 76 linear metres of existing footway widened.
Station Road	Station Road: 94 square metres of footway. Denorrton Park: 30.5 Square metres of footway.
The Walled Garden	117 metres of footway alongside existing public road.
West Circular Close	72 linear metres of traditional carriageway with 75 linear metres of footway on one side plus 115 square metres of end-on parking, 52 linear metres of buffer strip and 63 square metres of slight splay, (in grass).

6.2 PLANNING APPLICATIONS

DfI Roads Development Management teams provide specialist information and transportation advice to Belfast City Council Planning Service or DfI Planning (as the case may be), on road related matters associated with proposed development applications.

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