



Department for

Infrastructure

An Roinn

Bonneagair

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EASTERN DIVISION

Report to

**LISBURN & CASTLEREAGH
CITY COUNCIL**

Spring 2019

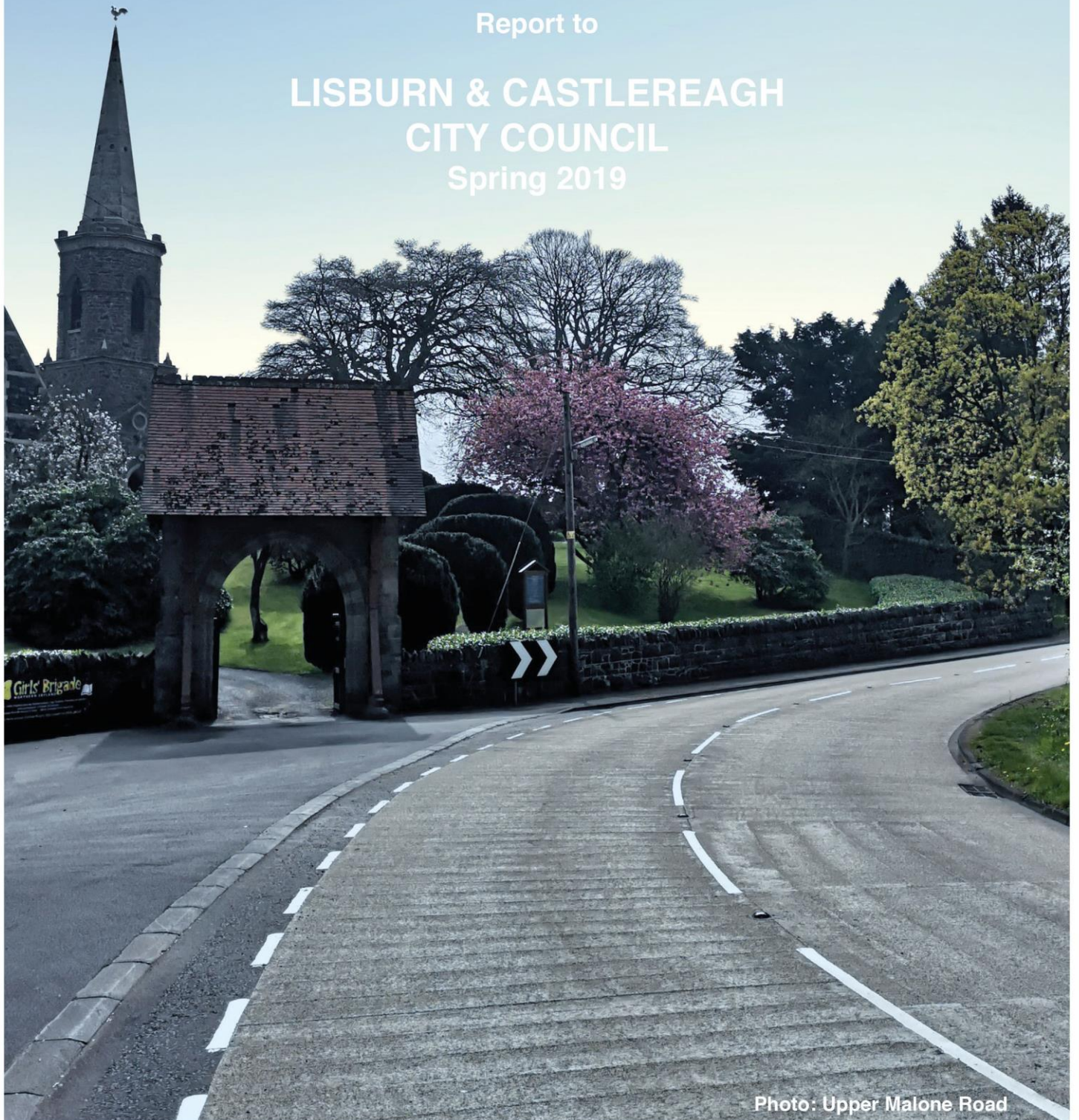


Photo: Upper Malone Road

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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 Lisburn & Castlereagh 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 Lisburn & Castlereagh City Council area during the year 2018/19 and sets out our programme of schemes being undertaken in 2019/20.

There are pressures on both capital and resource funding again in 2019/20, with the funding available for minor improvements much reduced for this year. My staff will continue to develop local transport and safety schemes to enhance safety, improve traffic flow and provide measures for pedestrians and cyclists. Additional schemes will be implemented as capital funding becomes available through the year.

The overall 2019/20 structural maintenance capital budget is £65m for Northern Ireland. Of this, £10m has been set aside for a roads recovery fund which is being used to address areas of immediate need across the road network.

Our resource budget this year continues to be under significant pressure and we shall be relying again on in-year funding to deliver some 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 24th June 2019.

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 of separate business units (within Network Services Directorate) for those who order services and for 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 priority. '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

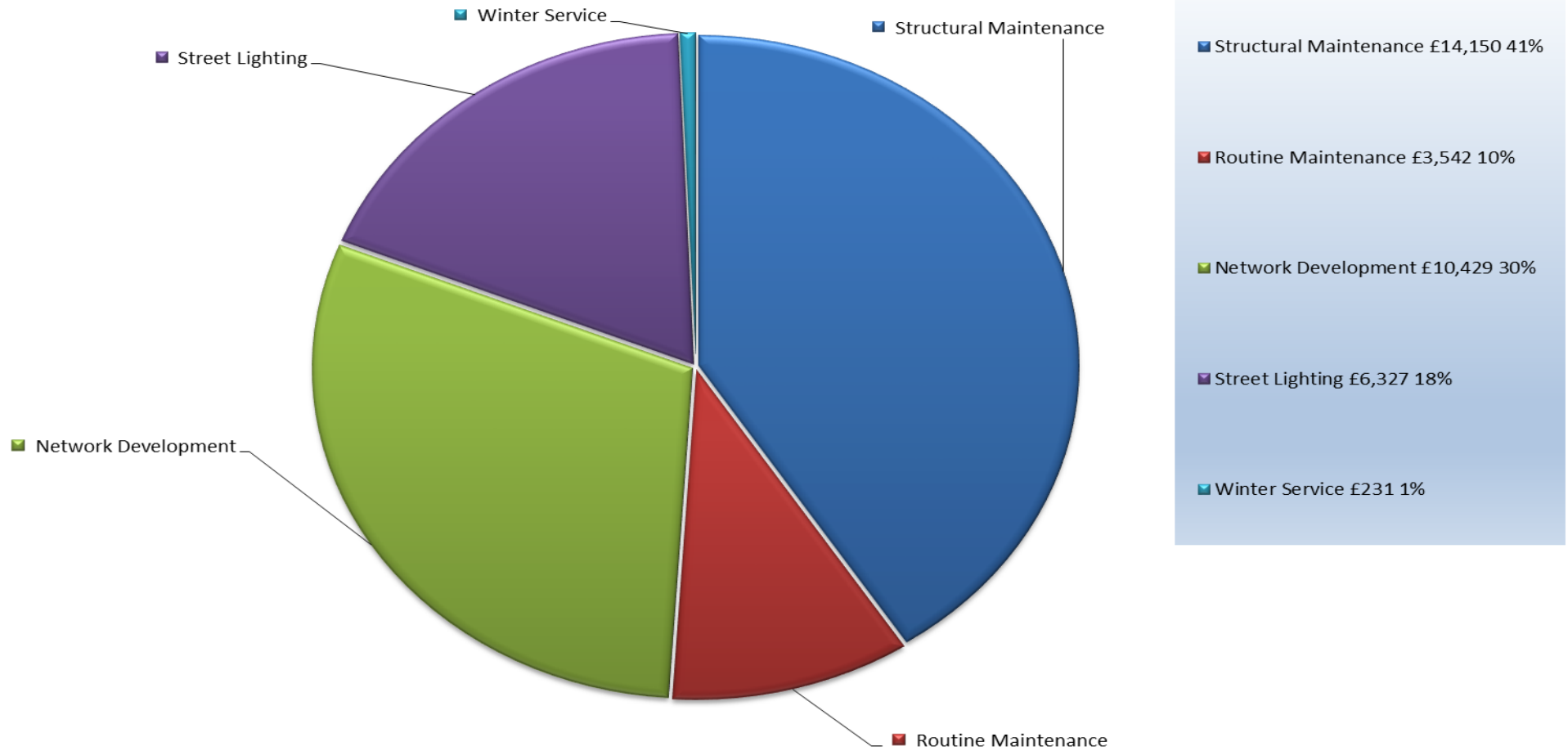


Colin Sykes (90526177) colin.sykes@infrastructure-ni.gov.uk
Network Maintenance

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.

Eastern Division Spend 2018/19 £34,679k



Lisburn & Castlereagh City Council area – Key Statistics

Roads infrastructure	Eastern Division	Lisburn & Castlereagh City Council area
Length of public road (km)	2447	1349
Length of footway (km)	3082	931
Number of bridges	363	259
Number of street lights	66944	21834
Number of car parks	4	1
Number of car parking spaces	2106	35

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 2018/19 we:

- Invested £14.25 million on structural maintenance
- resurfaced 95.24 lane km of the road network
- resurfaced 25.43 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 2018/19 92.7% of the motorway and trunk road network had a residual life of more than 5 years compared to a target of 85% 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 2018/19 we:

- Invested around £1.32 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 28,316 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:

- 261 sets of traffic signal controller junctions
- 250 sets of traffic signal controlled pedestrian crossings
- 45 motorway gantries
- 74 motorway Variable Message Signs
- Use approximately 150 CCTV cameras to monitor the road network in real time

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

- with 51,200 followers on Twitter,
- in excess of 670,000 unique users on Trafficwatchni.com website in 2018 and
- Approximately 2600 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 to ensure they remain optimised for prevailing traffic conditions
- Responding to at least 98% of urgent traffic signal faults within 24 hours
- The use and extension of traffic control and monitoring systems
- The 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 2018/19 we:

- Reviewed and updated our ITS Policy to guide how DfI exploits and adapts new emerging technology to ensure existing infrastructure and systems continue to be fit for purpose.
- Provided pre-trip information on the trafficwatchni website, www.trafficwatchni.com, radio broadcasts and social media.
- Commenced the upgrade of traffic signals at 2 signalised junction. [DN: other parts of Eastern Division may have undertaken similar work as well as BRT].
- Commenced Phase 2 of the migration of the Urban Traffic Control (UTC) system to a new robust, resilient, secure and expandable cloud hosted platform.
- Completed Phase 1 of the upgrade of the trafficwatchni website, making the site more resilient and accessible on mobile devices.

- Completed the upgrade of 2 pedestrian crossings. [DN: again other parts of Eastern Division may have undertaken similar work as well as BRT].
- Completed Phase 1 of the migration of the CCTV system to a new operating platform to ensure its continued robustness and expandability. Commenced Phase 2 consisting of the upgrade of cameras and associated transmission.

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 48 call-outs this year, using around 7794tonnes of salt, at a cost of approximately £10k per call-out to treat all roads on the salting schedule. Eastern Division completed 96% of winter salting actions within 4 hours.

Our total winter service expenditure was £0.48 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 2018/19 financial year, Eastern Division dealt with over 2,524 planning application consultations and processed an average of 76% of these within 15 working days. In relation to new housing developments, 8km of Private Streets have been determined in 2018/19. 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. 80 new development sites have started since April 2018 representing approximately 6km of new roads and footways. At 31 March 2019 we held £25M in bonds, and during 2018/19, £4M of new bonds were processed with £4.5M 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 2018/19 there were 46,276 utility company road openings across Northern Ireland, with some 13,549 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 3,382 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 the development of the York Street Interchange continues:

- 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 court ruled against the Department following the hearing of the case in March 2018, however an appeal has now been heard and the judgement is 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 139 structures and carried out maintenance and repair work to 28 structures. In 2018/19 we spent a total of £470k on strengthening and maintaining our current stock of bridges, culverts and retaining walls.

Local Transport and Safety Measures

In 2018/19 we spent over £4.4 million on a range of measures to improve the safety and efficiency of the road network. In Eastern Division this included implementation of:

- 28 Minor Works improvement schemes;
- 5 Collision Remedial measures at specific sites;
- 2 Traffic Calming measures;
- 2.52 kms of new cycle facilities;
- 6 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 2018/19 we spent £3.695 million installing new and maintaining existing lighting systems in Eastern Division. This excludes the energy costs which were £2.584 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.

Belfast Rapid Transit

2018/19 saw the completion of the final BRT schemes, providing the infrastructure necessary for the commencement of the Glider services. The last 2 schemes to be completed were the Upper Newtownards Road (Knock Road to Dunlady Road) and the Stewartstown Road (Michael Ferguson Roundabout to McKinsty Rd Roundabout). This work included resurfacing of the carriageway and footways, utility alterations, new drainage, new street lighting and the associated lining and signing. The total cost for this work in 2018/19 was £6.17M.

In addition to the civils work all the necessary legislation, to provide the bus lanes and waiting restrictions, was progressed allowing the Glider services to successfully commence in September 2018

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 2018/19 we received 4573 written enquiries from the general public and responded to 87% of these within 15 days.

2.0 NETWORK DEVELOPMENT/ STRATEGIC ROAD IMPROVEMENTS

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 Improvements 2 – Basil Hassard (9052 6168)

basil.hassard@infrastructure-ni.gov.uk



Basil is responsible for development of the M1 / A1 Link at Sprucefield and the M1 & M2 Busways scheme. Basil is supported by David McConnell (ext 26170).

Strategic Road Improvements 1 – Colin Pentland (9052 6167)

colin.pentland@infrastructure-ni.gov.uk



Colin is responsible for development of the York Street Interchange scheme.

2.1 M1/A1 LINK AT SPRUCEFIELD

The Regional Development Strategy (RDS) identifies the M1 and A1 as one of the five key transport corridors, by forming part of the Eastern Seaboard Corridor, running from Larne to Belfast and on to Dublin. The Belfast Metropolitan Transport Plan (BMTP) also recognises the strategic significance of this route and the existing congestion problems on the M1 and at the M1/A1 junction.



The proposed scheme, which is included in the Strategic Road Improvement Programme, will provide a high standard link between the M1 motorway and the A1. It will be of major benefit to the strategic traffic in reducing journey times by avoiding delays in the Sprucefield area. It is intended that the proposal will also consider congestion at the roundabout junction on the A1 at Hillsborough.

DfI Roads commissioned consultants to consider a range of options and an evaluation of all of the viable options for capacity enhancement along this route. This first stage of this has been completed and the findings published in a Stage 1 Report, which determined route corridors within which further options will be examined.

Due to current budget priorities there is insufficient funding to allow development work on this scheme to continue. Progression of the scheme will be subject to the availability of funding made available in future budget settlements.

2.2 M1 HARD SHOULDER BUS LANE

The work, which started on site in August 2018 to upgrade existing bus lanes and construct new bus lanes, is now complete. The original bus lanes were re-opened in November 2018 and the new sections of bus lane were opened on 11th March 2019. The operational hours are 7.00 am – 7.00 pm (Monday - Friday). The M1 now has an additional 4.6km of bus lane, in 2 sections, from Junction 7 at Sprucefield to Junction 6 at Lisburn, and then from Junction 6 to the original hard shoulder bus lane just after Applegreen Lisburn Services. Through Junction Running (TJR) is in operation at the Applegreen Lisburn Services.

Both new and original bus lanes are available for use by buses and coaches with 28 or more seats, between 7.00 am to 7.00 pm, Monday to Friday and subject to 40mph maximum speed. Variable Message Signs will indicate when they are in use. During operational hours the hard shoulder will always remain available for use in an emergency by all vehicles.

The scheme is estimated to cost approximately £4M.

2.3 A1 JUNCTIONS PHASE 2

This proposal, which is estimated to cost in the range £65-75million, involves the construction of four grade separated junctions to facilitate the closing up of all openings in the central median and installation of a continuous central safety barrier between Hillsborough Roundabout and Loughbrickland improving road safety for all road users on the A1. The grade separated junctions will be located at; • Listullycurran Road • Gowdstown Road • Skeltons Road/Drumneath Road and • Waringsford Road In addition, the

proposal includes the provision of a northbound on-slip at Castlewellan Road at Banbridge, a link between the existing underpass junction at Hillsborough Road, Dromore and Milebush Road and the closing of nine road junctions along this section of the A1. All other roads will then operate on a left in - left out basis.

DfI Roads officials held Community Consultation Events in June 2017 and again in February 2018 to seek the views of the local community and other stakeholders to inform the emerging final design as well as the preparation of an Environmental Impact Assessment for the scheme.

DfI Roads have recently published the Environmental Impact Assessment Report and the Notice of Intention to Make Statutory Orders for the scheme. These include a draft Vesting Order, a draft Direction Order and a draft Stopping Up (of Private Accesses) Order. These were all published on 25 March 2019 which commenced a statutory consultation period which will run until 28th June 2019. Following this period of consultation the scheme may be subject to a Public Inquiry depending on the number/nature of objections raised.

A strategy has been developed to implement incremental improvements in advance of the full proposal. This involves erecting sections of central median safety barrier and where possible, closing up existing median gaps which facilitate right turn manoeuvres.

The first such improvement involved the closure of the central median at Hillsborough to prevent the right turn movement for southbound traffic into Moira Road and the erection of a central safety barrier in the locality. These works were completed on site in March 2017. A second section of central median barrier was completed along the Banbridge bypass section of the A1.



The most recent central median barrier to be installed (March 2019) involved 3 sections along the Dromore Bypass and close to Hillsborough. The total length of new wire rope barrier installed over the past 2 year is approximately 6.5km.

Progression to construction for the full A1 Junctions Phase 2 proposal remains subject to it clearing the statutory procedures, having a satisfactory economic appraisal and, given other competing priorities, is dependent on funding being made available in future budget settlements.

2.4 MINOR WORKS

2018/19 Works Completed

Scheme		Status
<p>Carnreagh, Hillsborough.</p> <p>Provision of 50m length of new footway to link existing footways on southern side of Carnreagh. Scheme completed March 2019.</p>		<p>Completed</p>
		

<i>Scheme</i>	<i>Status</i>
<p>A24 Saintfield Road at Myrtledene Road and Glenhugh Park, Castlereagh.</p> <p>Widening of the A24 Saintfield Road to provide right turn pockets for vehicles turning right into Myrtledene Road and Glenhugh Park and the provision of an 'at grade' Puffin crossing to replace the existing footbridge.</p> <p>Scheme to start on site Summer 2019.</p> <div style="display: flex; justify-content: space-around;">   </div>	<p>Programmed</p>

2.5 MAINTENANCE OF STRUCTURES

2018/19 Works Completed

<i>Scheme</i>	<i>Status</i>
PRINCIPAL INSPECTIONS OF BRIDGES AND CULVERTS	
Structure No 20283 – Kings Road Subway	Completed
Structure No 20286 – Lisleen Road East	Completed
Structure No 20290 – Tufts Bridge	Completed
Structure No 20301 – Pilton Bridge	Completed
Structure No 20310 – Mealough Road	Completed
Structure No 20321 – Monlough Road	Completed
Structure No 20322 – Ballyknockan Road	Completed
Structure No 20325 – Lisdoonan Road/Beechmont	Completed

<i>Scheme</i>	<i>Status</i>
Structure No 90128 – Ballycreen Road	Completed
Structure No 90129 – Derryburn Road	Completed
Structure No 90130 – Banbridge Road	Completed
Structure No 90138 – Ballynamullagh Road	Completed
Structure No 90141 – Lambeg Flood Bridge	Completed
Structure No 90142 – Drumanockan Road	Completed
Structure No 90145 – Ballykine Road	Completed
Structure No 90146 – Ballykine Road	Completed
Structure No 90147 – Dromore Road	Completed
Structure No 90149 – Ballymurphy Road	Completed
Structure No 90155 – Ballynahinch Road, Annahilt	Completed
Structure No 90156 – Meeting House Culvert	Completed
Structure No 90157 – Cabra River	Completed
Structure No 90161 – Watsons Bridge	Completed
Structure No 90162 – Magheradartin Road	Completed
Structure No 90164 – McKees Bridge	Completed
Structure No 90218 – Ballylesson Road	Completed
Structure No 90225 – Braniel Road	Completed
Structure No 90226 – Ravarnet Road Bridge	Completed
Structure No 90228 – Ravarnet Road Bridge	Completed
Structure No 90232 – Old Hillsborough Road	Completed
Structure No 90245 – Ballykeagh Bridge	Completed
Structure No 90265 – Porters Bridge	Completed
Structure No 90290 – Fort Road	Completed
Structure No 90292 – Ballymitpave Road	Completed
Structure No 90425 – Moira Road	Completed
Structure No 90428 – Ballykine Road	Completed

Scheme	Status
Structure No 90429 – Ballykine Road	Completed
Structure No 90430 – Quarterland Road	Completed
Structure No 90433 – Lady's Bridge	Completed
Structure No 90444 – Soldierstown Bridge	Completed
Structure No 90448 – Clontariff Road	Completed
Structure No 90449 – Clontariff Road	Completed
Structure No 90523 – Creevy Road	Completed
Structure No 90524 – Dreenan Road	Completed
Structure No 90526 – Bresagh Road	Completed
Structure No 90527 – Bresagh Road	Completed
Structure No 90548 – Pinehill Road, Drumbo	Completed
Structure No 90646 – Upper Dunmurry Lane	Completed
REMEDIAL WORK ON CONCRETE AND STEEL STRUCTURES	
Structure No 20275 – Glenhugh Footbridge Chord Repairs	Completed
Structure No 20283 – Kings Road, Subway – Drainage Works	Completed
Structure No 90300 – Glenavy Footbridge – Chord Repairs	Completed
Structure No 90300 – Glenavy Footbridge – Raising and Refurbishment of entire structure	Completed
REMEDIAL WORK ON MASONRY STRUCTURES	
Structure No 20218 - Beaully Drive, Dundonald – Parapet Removal and Associated Works	Completed
Structure No 20288 – Gransha Road – Water Leakage Repairs	Completed
Structure No 20289 – Lisleen Road, Bridge – Repairs to Damaged Parapet	Completed
Structure No 20314 – Cairnshill Subway – Graffiti Removal	Completed
Structure No 90158 – Legacurry Bridge – Repairs to Parapet following RTC	Completed
Structure No 90162 – Magheradatin – New Invert and Scour Protection	Completed
Structure No 90226 – Ravarnet Road Bridge – Vissoirs Repairs and Scour Protection	Completed
Structure No 90255 – Magheralave Road – Masonry Repairs to Parapet.	Completed
Structure No 90296 – Glenavy Bridge – Parapet Repairs	Completed

Scheme	Status
Structure No 90485 – Portmore Bridge – Scour Protection and Raising of Parapets	Completed
Structure No 90522 – River Road – Repairs to Scour Plinth	Completed
Structure No 90547– Legacurry Bridge – Invert Repairs	Completed
Structure No 90590 – Arnolds Bridge – New Invert and Parapet Repairs	Completed
MISCELLANEOUS	
Moira Road, Roundabout – Additional Parapet Containment	Completed
Legacurry Culvert – New Parapet	Completed

*Additional to programme

MAINTENANCE OF STRUCTURES

2019/20 Programme of Works

Scheme	Status
PRINCIPAL INSPECTIONS OF BRIDGES AND CULVERTS	
Structure No 20203 – Stoney Road A	Programmed
Structure No 20204 – Stoney Road B	Programmed
Structure No 20205 – Newtownards Road (confined space)	Programmed
Structure No 20210 – East Link (confined space)	Programmed
Structure No 20211 – Comber Road, Grand Prix Park (confined space)	Programmed
Structure No 20212 – Upper Newtownards Road (confined space)	Programmed
Structure No 20216 – Quarry Corner (confined space)	Programmed
Structure No 20217 – Old Mill Heights, Dundonald	Programmed
Structure No 20218 – Beaully Road Culvert (confined space)	Programmed
Structure No 20219 – Saintfield Road, Commons Brae (confined space)	Programmed
Structure No 20226 – Glen Road, Colin Water (confined space)	Programmed
Structure No 20273 – Newtownbreda Footbridge	Programmed
Structure No 20296 – Beaully Drive Bridge (confined space)	Programmed
Structure No 20297 – Millmont Road	Programmed

<i>Scheme</i>	<i>Status</i>
Structure No 20308– Saintfield Road (confined space)	Programmed
Structure No 20311– Saintfield Road A (confined space)	Programmed
Structure No 20312– Saintfield Road B (confined space)	Programmed
Structure No 20323– Mill Road/Mealough Road (confined space)	Programmed
Structure No 20324– Mill Road, The Glen (confined space)	Programmed
Structure No 26870 – Saintfield Road Signal	Programmed
Structure No 26875 – Upper Newtownards Road Signal	Programmed
Structure No 26896 – Saintfield Road - Signal	Programmed
Structure No 90037 – Upper Ballynahinch Road (confined space)	Programmed
Structure No 90135 – Hillsborough Road Bridge	Programmed
Structure No 90158 – Legacurry Bridge	Programmed
Structure No 90159 – Comber Road	Programmed
Structure No 90222 – Quarterlands Road	Programmed
Structure No 90224 – Hillhall Road	Programmed
Structure No 90244 – Canal Bridge, Lambeg	Programmed
Structure No 90257 – Causeway End Bridge (railway)	Programmed
Structure No 90259 – Ballinderry Bridge	Programmed
Structure No 90262 – Greers Bridge (confined space)	Programmed
Structure No 90268 – McNeices Bridge	Programmed
Structure No 90269 – Moira Road, Ballinderry (railway)	Programmed
Structure No 90270 – Glenavy Road (railway)	Programmed
Structure No 90271 – Haddockstown Road Bridge	Programmed
Structure No 90272 – Drumart Bridge	Programmed
Structure No 90274 – Crumlin Road	Programmed
Structure No 90275 – Bellshaws Road	Programmed
Structure No 90276 – Irwinstown Lane Bridge	Programmed
Structure No 90278 – Potters Bridge	Programmed

Scheme	Status
Structure No 90281 – Huntshill Road	Programmed
Structure No 90282 – Whitemountain Road	Programmed
Structure No 90284 – Huntshill Road	Programmed
Structure No 90287 – Moss Bridge	Programmed
Structure No 90288 – Crooked Bridge	Programmed
Structure No 90289 – The Y Bridge	Programmed
Structure No 90293 – Cadgers Road Bridge	Programmed
Structure No 90295 – Belfast Road (confined space)	Programmed
Structure No 90297 – Glenavy Road	Programmed
Structure No 90299 – Moira Road	Programmed
Structure No 90301 – Aspells Bridge	Programmed
Structure No 90390 – Upper Springfield Road	Programmed
Structure No 90391 – Barnfield Road, Milltown	Programmed
Structure No 90435 – Budore Bridge	Programmed
Structure No 90439 – Tummery Lane (railway)	Programmed
Structure No 90440 – Hillsborough Road, Moira	Programmed
Structure No 90450 – Ballinderry Road	Programmed
Structure No 90456 – Ballinderry Road	Programmed
Structure No 90460 – Drumcill Road	Programmed
Structure No 90465 – Bushfield Road (railway)	Programmed
Structure No 90466 – Mullaghcartan Road	Programmed
Structure No 90472 – Glen Road	Programmed
Structure No 90473 – Ballygowan Road	Programmed
Structure No 90474 – Listullycuran Road	Programmed
Structure No 90479 – Kilwarlin Road	Programmed
Structure No 90481 – Kilwarlin Road	Programmed
Structure No 90483 – Moira Road	Programmed

Scheme	Status
Structure No 90485 – Portmore Bridge	Programmed
Structure No 90486 – Oagles Bridge	Programmed
Structure No 90487 – Ballinderry Road (confined space)	Programmed
Structure No 90491 – Ballinderry Road (confined space)	Programmed
Structure No 90491 – Boomers Bridge	Programmed
Structure No 90516 – Bridge Road (confined space)	Programmed
Structure No 90517 – Lany Road	Programmed
Structure No 90518 – Lougherne Road	Programmed
Structure No 90519 – Blacks Bridge	Programmed
Structure No 90520 – Robinsons Bridge	Programmed
Structure No 90580– Derryaghy Road (confined space)	Programmed
Structure No 90589 – Titteringtons Bridge	Programmed
Structure No 90590 – Arnolds Bridge	Programmed
Structure No 90644 – Golf Course Road	Programmed
Structure No 90645 – Creightons Road Culvert (confined space)	Programmed
Structure No 90668 – Glenburn Road	Programmed
Structure No 90677 – Queensway Subway	Programmed
Structure No 90678 – Hulls Lane Bridge	Programmed
Structure No 90242 – Bells Bridge (railway)	Programmed
REMEDIAL WORK ON CONCRETE AND STEEL STRUCTURES	
Structure Nos 90412 & 90413 – Prince William Road – Subways – New Pedestrian Parapets	Programmed
REMEDIAL WORK ON MASONRY STRUCTURES	
Structure No 90164 – McKees Bridge – Repairs to Parapets, invert and Scour Protection.	Programmed

3.0 NETWORK TRAFFIC AND STREET LIGHTING

Principal Engineer – Philip Robinson (90526183) philip.robinson@infrastructure-ni.gov.uk

He is supported by the following staff:

Traffic Management 1 - Paul King (90526187)

paul.king@infrastructure-ni.gov.uk

This team deals with traffic improvement schemes in Belfast.



Traffic Management 2 - Graeme Salmon (90526238)

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 (90526245)

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 (90526266)

evans.gibson@infrastructure-ni.gov.uk

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



Transportation - Harry Armstrong (90526256)

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**2018/19 Works Completed**

Scheme	Status
A49 Old Ballynahinch Road/ B6 Saintfield Road - Enhanced signing and High Friction Surfacing	Completed
Ballinderry Road on approach to Moira Road – High Friction Surfacing on slip lane	Completed
Upper Malone Road – Drumbeg Church – High Friction Surfacing on bend & enhanced signing	Completed

COLLISION REMEDIAL**2019/20 Programme of Works**

Scheme	Status
A49 Old Ballynahinch Road/ Comber Road – Enhanced signing and High Friction Surfacing	Programmed
Sprucefield Roundabout approach from Lisburn – High Friction Surfacing	Programmed
Saintfield Road / Newton Park / School Road junction – High Friction Surfacing on 2 approaches to junction	Programmed

3.2 PEDESTRIAN MEASURES**2018/19 Works Completed**

Scheme	Status
Laurelhill Road – Enhanced pedestrian measures including footway widening, 2 pedestrian islands, upgrade of Street Lighting system. In association with Resurfacing of footways and carriageway by Section Office.	Completed

*Additional to programme

PEDESTRIAN MEASURES**2019/20 Programme of Works**

Scheme	Status
Derriaghy Road at Linen Green - Provision of Controlled Crossing Facility	In Progress
Belsize Road between Moss Road/Belsize Meadows – traffic island to be changed to pedestrian island	Programmed

3.3 TRAFFIC SIGNS AND INFORMATION 2018/19 Works Completed

Scheme	Status
Main Street/ Glen Road, Glenavy – Additional low bridge warning signs	Completed
Knockbracken Road at No. 21 – Bend warning sign and marker posts	Completed
Tornagrough Road/ Wheelers Road – New yellow-border chevron signs and enhanced road markings	Completed
Tornagrough Road/ Rusheyhill Road - New yellow-border chevron sign and enhanced road markings	Completed
Antrim Road, Lisburn – Replacement of advance direction sign	Completed
Dromara Road, Hillsborough – New chevron warning signs and marker posts	Completed
Lady Wallace Road, Lisburn – 30/ 50mph Speed limit signs	Completed
Glebe Road/ Carricknadarriff Road – New 'Side road ahead' warning signage	Completed*
Moira Road/ Aghnatrisk Road, Hillsborough - New 'Side road ahead' warning signage	Completed*
Comber Road/ East Link Road – New 'Urban clearway' sign	Completed*
Pond Park Road – New 30mph speed limit signage	Completed*
Magheralave Road – 'Low bridge alternative route' sign	Completed
Glenside Road – new chevron warning sign	Completed*
Ballygowan Road/ Knockbracken Road/ Gransha Road - Upgraded 'Crossroads' warning signage	Completed
Dromara Road/ Magheraconluce Road/ Ballynahinch Road – Amendment of 'give way' signs to 'Stop' signs, upgrade of warning signs and red high friction surfacing patches	Completed
Moira Road/ Aghnatrisk Road, Hillsborough – 'Junction right' warning sign	Completed*
Hannahstown Road/ Budore Road, Dundrod – Enhanced warning signage	Completed*
A26 Moira Road/ Lough Road/ Crewe Road - Kilcreeny Lodge B&B tourist signs	Completed*
Old Ballynahinch Road/ Comber Road – Upgraded 'Crossroads' warning signage	Completed
Comber Road at Millars Forge, Dundonald - red coloured surfacing and 30mph roundel at speed limit signs	Completed

* Additional to programme

TRAFFIC SIGNS AND INFORMATION 2019/20 Programme of Works

<i>Scheme</i>	<i>Status</i>
Kilwarlin Road – Chevron warning sign	Programmed
Lower Ballinderry Road/ Haddockstown Road – New warning signs and red coloured surfacing at speed limit signs	Programmed
Tornagrough Road/ Wheelers Road – new yellow border ‘Bend’ warning signs and extension of marker posts on bend	Programmed
Killynure Road, Carryduff – 50m of marker posts	Programmed
Ballinderry Road, Magheragall – Enhanced warning signage	Programmed
Colby Park – New ‘No through Road’ sign	Programmed
Manse Road/ Lisnabreeny Road – Reconnect signs	Programmed
Ballyregan Road, Dundonald – ‘Series of bends’ warning sign	Programmed
Saintfield Road – ‘Speed camera’ warning signage	Programmed
Hannahstown Road, Divis – New marker posts	Programmed
Lambeg Road, Lambeg – New ‘Children playing/ playground’ signs	Programmed
Glenavy – red coloured surfacing at speed limit signs	Programmed
Ballynahinch Road, Hillsborough - red coloured surfacing at speed limit signs	Programmed
Legaterriff Road, Upper Ballinderry – ‘Pedestrians crossing’ warning signs	Programmed

3.4 DROPPED KERBS/MOBILITY RAMPS 2018/19 Works Completed

<i>Scheme</i>	<i>Status</i>
Old Warren, Lisburn – Dropped kerbs (Various locations)	Completed

DROPPED KERBS/MOBILITY RAMPS 2019/20 Programme of Works

<i>Scheme</i>	<i>Status</i>
Old Warren, Lisburn – Dropped kerbs at 2 locations	Programmed
Maghaberry – Dropped kerbs	Programmed

<i>Scheme</i>	<i>Status</i>
Beechill Road at Berkeley Court, Beaufort Avenue and the private lane adjacent to Beechwood Court	Programmed
Carnreagh/ Granville Drive, Hillsborough – dropped kerbs	Programmed
Ballynahinch Street/ Arthur Street, Hillsborough – dropped kerbs	Programmed
Morven Park, Ballybeen - at 3 locations	Programmed

3.5 CARRIAGEWAY MARKINGS

2018/19 Works Completed

<i>Scheme</i>	<i>Status</i>
Union Bridge roundabout – Extra roundabout road markings	Completed*
Glencregagh Road, Belfast – New ‘Slow’ markings at bad bend between Nos 33 & 55	Completed*
Ballynahinch Street, Hillsborough – Extend ‘School keep clear’ markings	Completed*
Lisburn Road, Hillsborough – New hatching in layby	Completed*
Hannahstown Road/ Budore Road, Dundrod – New ‘Slow’ markings	Completed*
Halftown Road/ Moira Road – New ‘Keep clear’ markings	Completed*

*Additional to programme

CARRIAGEWAY MARKINGS

2019/20 Programme of Works

<i>Scheme</i>	<i>Status</i>
Lower Ballinderry Road/ Haddockstown Road – New ‘Slow’ carriageway markings	Programmed
Altona Road/ Altona Road East – New 15 metre corner restrictions	Programmed
Ballinderry Road, Magheragall – New edge of carriageway markings	Programmed
Ballynahinch Road/ Ballymurphy Road, Annahilt – New ‘Give way’ triangle	Programmed
Galway Drive, Dundonald – 15 metre corner restrictions to be marked	Programmed
Milltown Road/ Belvoir Road, Belfast – 2no. additional directional ‘Ahead only’ arrows	Programmed
Belsize Road/ Whitla Road – 15 metre corner restriction marked	Programmed

3.6 LEGISLATION

2018/19 Works Completed

Scheme	Status
TRAFFIC ORDERS	
Hillsborough Road, Moneyreagh – New 40mph speed limit on realigned section of road	Completed

LEGISLATION

2019/20 Programme of Works

Scheme	Status
SPEED LIMITS	
Hulls Lane, Lisburn – 30mph speed limit	Programmed
Comber Road, at Milmount Road, Dundonald – Review of speed limit	Programmed
Mealough Road, Drumbo – New 40mph speed limit	Programmed
Blaris Road, Lisburn – New 40mph speed limit	Programmed
Ballymacrickett, Glenavy – New 30mph speed limit	Programmed
WAITING RESTRICTIONS	
Fort Hill, Lisburn – Extension of double yellow lines	Objections received
Clonevin Park, Lisburn at Antrim Street and Magheralave Road – Proposed double yellow lines	Programmed
Stoney Road/ Ballyregan Road – new single and double yellow lines	Programmed
Linenhall Street, Lisburn – Proposed loading bay	Programmed
Antrim Place, Lisburn - new double yellow lines	Programmed
The Cutts, Dunmurry - new single and double yellow lines	Programmed
Rathdown Road, Lisburn - new single yellow lines	Programmed
McKeown Street, Lisburn – new 'No loading' restrictions/ loading bay	Programmed
Reaville Park/ Galway Drive, Dundonald – new double yellow lines	Programmed
WEIGHT RESTRICTIONS	
Hillsborough Weight limit – 7.5T restriction	Objections received

Scheme	Status
TRAFFIC ORDERS	
Hillhall Road/ Largymore Drive – Banning of right turn movement	Programmed

3.7 DISABLED PARKING BAYS (DPB) 2018/19 Works Completed

Scheme	Status
23 Green Hill, Lambeg	Completed
Seymour Street, Lisburn (Beside Methodist Church)	Completed
40 Sloan Street, Lisburn	Completed

DISABLED PARKING BAYS 2019/20 Programme of Works

Scheme	Status
Bays will be progressed dependent on applications received	Ongoing
66 Lawnmount Crescent, Lisburn	Programmed

3.8 TRAFFIC CALMING 2018/19 Works Completed

Scheme	Status
Low Road / Grand Street, Lisburn	Completed

TRAFFIC CALMING 2019/20 Programme of Works

Scheme	Status
No programmed work	

3.9 CYCLE MEASURES

2018/19 Works Completed

Scheme	Status
Comber Greenway Widening (Phase 2) East Link to Millmount.	Completed
Comber Greenway Widening (Phase 3) Millmount to Billy Neill.	Completed
Blaris Cycle Path, Lisburn.	On site
Blaris Path, Lisburn – link to Retail Park.	Completed
Comber Road / Old Dundonald Road Cycle Ramp.	Completed

CYCLE MEASURES

2019/20 Programme of Works

Scheme	Status
Blaris Cycle Path, Lisburn.	On site

3.10 CAR PARKING

2018/19 Works Completed

Scheme	Status
Review of on-street charged parking in Lisburn City Centre.	Ongoing

CAR PARKING

2019/20 Programme of Works

Scheme	Status
Review of on-street charged parking in Lisburn City Centre.	Ongoing

3.11 STREET LIGHTING

2018/19 Works Completed

Scheme	Status
Antrim Road/Westbourne/Benson St/Sans Souci Gardens/Antrim Rd Roundabout, Replacement, Lisburn	Completed
Saintfield Rd Roundabout LED Retrofit, Lisburn	Completed
Ballymacash Rd LED Retrofit, Lisburn	Completed
Bells Lane LED Retrofit, Lisburn	Completed

<i>Scheme</i>	<i>Status</i>
Benson St LED Retrofit, Lisburn	Completed
Boomers Way LED Retrofit, Lisburn	Completed
Killaney Ave LED Retrofit, Lisburn	Completed
Lambeg Rd LED Retrofit, Lisburn	Completed
Lissue Rd LED Retrofit, Lisburn	Completed
McKinstry Rd LED Retrofit, Lisburn	Completed
Prince William Ave LED Retrofit, Lisburn	Completed
The Cutts LED Retrofit, Lisburn	Completed
Boomers RD led Retrofit, Lisburn	Completed
Nettlehill, LED Retrofit, Lisburn	Completed
Ballycarn/Beechfield, Aghalee, LED Retrofit, Lisburn	Completed
Moira Rd LED Retrofit, Lisburn	Completed
Glendale Pk Replacement, Castlereagh	Completed
Church Rd Replacement, Carryduff, Castlereagh	Completed
Hillsborough Rd LED Retrofit, Carryduff, Castlereagh	Completed
Grahamsbridge Rd LED Retrofit, Castlereagh	Completed
Robbs Rd LED Retrofit, Castlereagh	Completed
Ballynahinch Rd LED Retrofit, Castlereagh	Completed
Drumadoon Rd LED Retrofit, Castlereagh	Completed
Dunvarr Ave LED Retrofit, Castlereagh	Completed
Dunlady Rd LED Retrofit, Castlereagh	Completed
Drumgoyne Pk LED Retrofit, Castlereagh	Completed
Craigleith Dr LED Retrofit, Castlereagh	Completed
Ballyregan Rd LED Retrofit, Castlereagh	Completed
Cherryhill Rd/Dr/Carnberra Pk LED Retrofit, Castlereagh	Completed
Old Dundonald Rd LED Retrofit, Castlereagh	Completed
Beaully Dr LED Retrofit, Castlereagh	Completed

<i>Scheme</i>	<i>Status</i>
Beechill Rd LED Retrofit, Castlereagh	Completed
Cairnshill Rd LED Retrofit, Castlereagh	Completed
Culross Dr LED Retrofit, Castlereagh	Completed
Glencregagh Rd LED Retrofit, Castlereagh	Completed

STREET LIGHTING

2019/20 Programme of Works

<i>Scheme</i>	<i>Status</i>
Four Winds Roundabout Replacement, Castlereagh	Programmed *
Saintfield Rd/Comber Rd Roundabout Replacement, Carryduff, Castlereagh	Programmed *
Church Rd LED Retrofit, Castlereagh	Programmed *
Newtownbreda Rd LED Retrofit, Castlereagh	Programmed *
Church Rd, Replacement, Castlereagh	Programmed *
Hillsborough Rd Carryduff Replacement Castlereagh	Programmed *
Moneyreagh Rd LED Retrofit, Castlereagh	Programmed *
Kings Rd LED Retrofit, Castlereagh	Programmed *
Main St Replacement, Glenavy, Lisburn	Programmed *
Lissue Walk Replacement, Lisburn	Programmed *
Cairnshill Rd, Replacement, Castlereagh	Programmed *
The Crescent, Carryduff, Replacement, Castlereagh	Programmed *
Tullynacross Rd/Footbridge, LED Retrofit, Lisburn	Ongoing *
Hillsborough Rd, Replacement, Lisburn	Ongoing *
Old Hillsborough Rd, Replacement, Lisburn	Ongoing *
Beechill Rd, Replacement, Castlereagh	Ongoing *
Manse Rd, Carryduff, Replacement, Castlereagh	Ongoing *
Cairnsmore Ave, LED Retrofit, Castlereagh	Ongoing *
Manse Rd, LED Retrofit, Castlereagh	Ongoing *

<i>Scheme</i>	<i>Status</i>
Finch Gardens Phase 1, Lisburn LED Retrofit	Programmed
Kilwarlin Way/Ashvale Dr, Lisburn LED Retrofit	Programmed
Hillsborough Old Road, Lisburn LED Retrofit	Programmed *
Main St, Glenavy, Lisburn LED Retrofit	Programmed *
Main St, Moira, Lisburn LED Retrofit	Programmed
Copperfield-Willow Lodge- Spring Meadows, Maghaberry LED Retrofit	Programmed
Hammond Farm- Wellington Parks- EdenView, Maghaberry LED Retrofit	Programmed
Maghaberry Road- Old Road- Hammond Road, Maghaberry LED Retrofit	Programmed
Arindale- Bramblewood, Maghaberry LED Retrofit	Programmed
Manor Park Area, Lisburn LED Retrofit	Programmed
Woodland Cres/Drive-Primrose Gdn Village- Rosemary Drive LED Retrofit	Programmed
Belmont-Thornhill-Kenilworth, Lisburn LED Retrofit	Programmed
Burnadell- Highfields- Haddington Hall, Lisburn LED Retrofit	Programmed
Limetree Area, Lisburn LED Retrofit	Programmed
Wyncroft- Rathmore, Lisburn LED Retrofit	Programmed
Mandeville- Templar Ave, Lisburn LED Retrofit	Programmed
Edgewater, Lisburn LED Retrofit	Programmed
Kennington- Greenmount, Lisburn LED Retrofit	Programmed
Seymour-Lansdowne-Cromwell, Lisburn LED Retrofit	Programmed
Holburn Hall, LKisburn LED Retrofit	Programmed
Mount Royal, Lisburn LED Retrofit	Programmed
Riverdale, Annahilt, Lisburn LED Retrofit	Programmed
Rosevale-Drumlough- Hertford, Lisburn LED Retrofit	Programmed
Ballycreen- Ballinderry- Rosslyn LED Retrofit	Programmed
Woodland Lambeg LED Retrofit	Programmed
Skyline - Fairtree Hill LED Retrofit	Programmed
Ashbourne Hillview LED Retrofit	Programmed

<i>Scheme</i>	<i>Status</i>
Glenwood- Killowen LED Retrofit	Programmed
Ballybeen Park, Castlereagh LED Retrofit	Programmed
Beechgrove Area, Castlereagh LED Retrofit	Programmed
Baronscourt Area, Castlereagh LED Retrofit	Programmed
Royal Lodge Area, Castlereagh LED Retrofit	Programmed
Garland Hill Area, Castlereagh LED Retrofit	Programmed
Ardcarn Area, Castlereagh LED Retrofit	Programmed

*Carried over from 2018/2019

4.0 NETWORK TRANSPORT TELEMATICS

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

He is supported by the following staff:

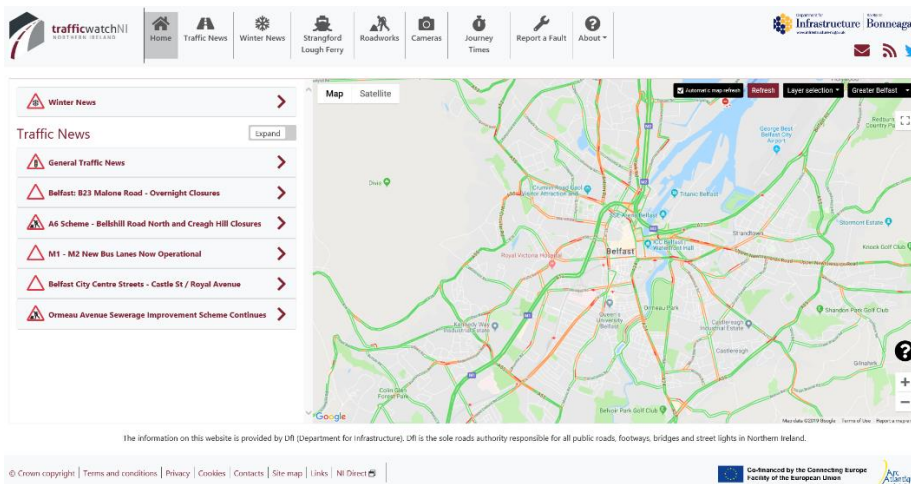
Declan Murphy (90 254536) declan.murphy@infrastructure-ni.gov.uk

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

4.1 NETWORK TRANSPORT TELEMATICS

2018/19 Works Completed

Scheme	Status
ITS POLICY	
Review ITS Policy to guide how DfI exploits and adopts new emerging technology and to ensure existing infrastructure and systems continue to be fit for purpose.	Completed. ITS Strategy – Vision 2025 can be accessed at this link https://www.infrastructure-ni.gov.uk/publications/ni-intelligent-transport-systems-its-strategy-2025
TRAFFIC AND TRAVEL INFORMATION	
We will upgrade the TrafficwatchNI website to ensure it remains robust, secure and fit for purpose.	Phase 1 of upgraded website launched Nov 2018
URBAN CLOSED CIRCUIT TELEVISION (CCTV) CAMERAS	
We will continue the migration of our CCTV system onto a more robust, secure and expandable digital platform.	Commenced.
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.	Commenced on Saintfield Rd corridor
We will commence a review of our Urban Traffic Control System (UTC) to ensure the system remains robust and secure.	Review completed. Phase 1 of migrating UTC system onto a cloud hosted solution commenced.
TRAFFIC MANAGEMENT	
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

Scheme	Status
TRAFFIC AND TRAVEL INFORMATION	
We will continue to enhance the TrafficwatchNI website to ensure it remains robust, secure and fit for purpose.	Phase 2 enhancements identified
URBAN CLOSED CIRCUIT TELEVISION (CCTV) CAMERAS	
We will complete 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.	Preliminary investigations commenced.
We will upgrade our Urban Traffic Control System (UTC) to ensure the system remains robust and secure.	Programmed
We will commence design on IP to the Roadside for our Motorway network to enable growth in Intelligent Mobility and Connected Vehicles	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
It is planned to upgrade traffic signal equipment at the Moira Rd / Ballinderry Rd junction during the 19/20 financial year. This will include the provision of Puffin crossing facilities and Extra Low Voltage equipment to improve safety and reduce energy consumption.	Programmed
MOTORWAY NETWORK SAFETY	
We will undertake feasibility into replacing the end-of-life Motorway Emergency Roadside Telephone (ERT) system and subject to adequate funding commence design on a replacement system	Programmed
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 (90526177) colin.sykes@infrastructure-ni.gov.uk

He is supported by the following staff:

Lisburn and Castlereagh Section Engineer - Gabriel Doherty (9262 6600)

gabriel.doherty@infrastructure-ni.gov.uk

40a Benson Street, Lisburn, BT28 2BG

The Section Office is responsible for contacts with the public and elected representatives, highway inspections, resurfacing, responsive repairs, routine maintenance, winter gritting, road opening consents and licenses, public liability claims and street works co-ordination with the utility companies.



Deputy Section Engineer – David Williams (9262 6666)

david.williams@infrastructure-ni.gov.uk

40a Benson Street, Lisburn, BT28 2BG



Support Services Manager- Bill Fulton(90526182)

bill.fulton@infrastructure-ni.gov.uk

This team is based at Hydebank 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 2018/19 Works Completed

Scheme	Status
From April 2018 to March 2019, 59.2 km of carriageway has been resurfaced in the Lisburn/Castlereagh area. This equates to 167000 sq. m and includes the schemes listed below.	
RESURFACING SCHEMES	
A26 Moira Road at Carnkilly Road	Completed
A26 Moira Road at Gobrana Road	Completed
A24 Carryduff Road	Completed
Causeway End Road	Completed
Clarehill Road	Completed
Waverely Avenue	Completed
Front Road (Drumbo Public Realm Scheme)	Completed
Ballygowan Road	Completed
Dromara Road	Completed
Huntshill Road	Completed
Bawnhill Road	Completed
Trench Road	Completed
Richmond Avenue	Completed
Chapel Road	Completed
Theipval Road	Completed
Purdysburn Village	Completed
Willow Gardens	Completed
Gravelhill Road from Lurganure Road to Kesh Road	Completed
Moss Lane	Completed
Glenavy Road	Completed
Laurelhill Park	Completed
Drumankelly Road	Completed

Scheme	Status
River Road	Completed
Hannahstown Road	Completed

CARRIAGEWAY RESURFACING 2019/20 Programme of Works

Scheme	Status
RESURFACING SCHEMES	
Ballinderry Industrial Estate	Programmed
Ballygowan Road (phase 2)	Programmed
Hulls Lane	Programmed**
Hazel Avenue	Programmed
Hillsborough Old Road	Programmed
Stockdam Road	Programmed

**carried forward from 2018/19

5.2 FOOTWAY RESURFACING 2018/19 Works Completed

Scheme	Status
From April 2018 to March 2019, 10.25km of footway was resurfaced in the Lisburn/Castlereagh area. This includes the schemes listed below.	
RESURFACING SCHEMES	
Dunbeg Park	Completed*
Richmond Ave	Completed*
Dunbeg Gardens	Completed*
Brookvale Rise	Completed
Ballybeen Estate	Completed*

*additional to programme

FOOTWAY RESURFACING**2019/20 Programme of Works**

<i>Scheme</i>	<i>Status</i>
Lisnagarvey Drive	Programmed**
Lisnagarvey Crescent	Programmed**

**carried forward from 2018/19

5.3 SURFACE DRESSINGS**2018/19 Works Completed**

<i>Scheme</i>	<i>Status</i>
Ballyknock Road	Completed
Old Belfast Road (Killynure Road)	Completed
Megarrystown Road	Completed
Gulf Road	Completed
Listullycurran Road	Completed
Bushfield Road	Completed
Drumcil Road	Completed
Damhead Road	Completed
Carnlougherin Road	Completed
Derrynahone Road	Completed
Robbery Road	Completed
Dunnycarton Road	Completed
St James Road	Completed
Riverdale Road	Completed
Portmore Road	Completed
Dornan Road	Completed
Ballycolin Road	Completed
Lisleen Road East	Completed

<i>Scheme</i>	<i>Status</i>
Ballyrussell Road	Completed
Mill Road West	Completed
Monlough Road	Completed
Ballyknockan Road	Completed
Moss Brook Road	Completed
Lisleen Road	Completed
Lisleen Road South	Completed
Tullyard Road	Completed
Eden Road	Completed
Mill Road	Completed
Pinehill Road	Completed
Front Road	Completed

SURFACE DRESSINGS

2019/20 Programme of Works

<i>Scheme</i>	<i>Status</i>
Agars Road	Programmed
Rock Road / Leathemstown Road	Programmed
Manns Road	Programmed
Gransha Road	Programmed
Moyrusk Road	Programmed
Moirra Road	Programmed
Ballyvannon Road	Programmed
Edentrucher Road	Programmed
Belfast Road, Glenavy	Programmed

<i>Scheme</i>	<i>Status</i>
Filterbeds Road	Programmed
Porters Bridge Road	Programmed
Nuthill Road	Programmed
Moss Road	Programmed
Laurel Road	Programmed
Ballymaglaff Road	Programmed
Burren Road	Programmed
Cabra Road	Programmed
Ballycreen Road	Programmed
Killynure Road West	Programmed
Ballynahinch road B177	Programmed
Hillside road	Programmed
Lurganville Road	Programmed
Meeting House Road	Programmed
Maryvale Road	Programmed
Lough Road	Programmed

5.4 DRAINAGE

2018/19 Works Completed

<i>Scheme</i>	<i>Status</i>
Belsize Road	Completed
Glenside Road	Completed
Lonstone Street- Remove Wall behind Centra	Completed
Drumbeg Road /Hillhall Road	Completed
Drumbo Road- additional Drainage	Completed
Carsons Lane below no 35	Completed

Scheme	Status
Carsons Lane at no 7	Completed
19 Maghaberry Road	Completed
Dromore Road Hillsborough- Provide additional drainage at Lady Hill Court	Completed
6 Moyrusk Road	Completed
27 Drumcill Road	Completed
80 Mullaghcarron Road	Completed
1B Brackenhill Road	Completed
18a Moira Road	Completed
Maghaberry Road above Chapel	Completed
Carnreagh	Completed
Carnreagh Road	Completed
Chapel Road Aghalee	Completed
Clarehill Road	Completed
10 Ballymacward Road	Completed
14 Sheepwalk Road	Completed
A26 Glenavy @ Railway Bridge	Completed
Meeting Street- Alter Aqua Channel	Completed*
18 Leathemstown Road- Provide additional Drainage	Completed*
Carryduff Road- New Drainage line in verge	Completed*
Saintfield Road- Replacement chamber	Completed*
Lower Ballinderry Road 100m from Huntshill	Completed*
3A Mount Michael Grove Additional Drainage	Completed*
67 Ballygowan Road- Replacement Culvert	Completed*
Carnkilly Road- Replacement Culvert	Completed*
Lough Road – Damaged Parapet	Completed*
Burren Road Damaged Parapet	Completed*
18a Lisburn Road- D rail fence	Completed*

DRAINAGE

2019/20 Programme of Works

**carried forward from 2018/19

Scheme	Status
Woodland Gardens/Park	Programmed**
130 Smithfield Street	Programmed**
Thorndale Road North /Hillsborough Road	Programmed**
8 Hollygate Ave	Programmed**
Comber Road /Grahamsbridge Road	Programmed**
40 Ballykeel Road	Programmed**
Kilwarlin Road- Kerb across Entrance	Programmed
1 Station Road Moira	Programmed**
Queensway-Provide access to existing line	Programmed
10 The Lodge Stoneyford	Programmed**
SI 44 Glenavy Road- Repair broken pipe	Programmed
108 Drumadoon Drive	Programmed**
19 Grove Street damaged outlet	Programmed
53 Stoneyford Road	Programmed**
47 Glen View Maghaberry	Programmed
27 Hillsborough Road Moira	Programmed**
Magaluf Park Damaged outlet	Programmed
Clougher Road Lisburn – New Line Required	Programmed
Tullynacross Road- Kerb entrance opp coca cola	Programmed
Legacurry Road- New Gully no 19	Programmed
Grangewood Heights	Programmed**
Hospital Road – Repair 3 gullies on bridge at Hydebank	Programmed
23 Beechill Park West adjust Drainage Channel	Programmed
14 Carnbane Road – New Gully	Programmed

5.5 VERGE STRENGTHENING SCHEMES 2018/19 Works Completed

Scheme	Status
Drumbo Road- Gabions opposite parking Layby	Completed*

*additional to programme

VERGE STRENGTHENING SCHEMES 2019/20 Programme of Works

Scheme	Status
Saintfield Road B6 near Knockany road	Programmed
Ballynahinch Road, Dromara	Programmed**
A3 Moira Road	Programmed**

**carried forward from 2018/19

5.6 CARRAIGEWAY REFURBISHMENT 2018/19 Works Completed

Scheme	Status
Rock Road	Completed
Leathemsontown Road	Completed
Mealough Road house no 153 to house no 115	Completed
Grovehill Road Bottier Road to Maryvale Road	Completed
Ballygowan Road Houston Road to House no 262	Completed
Stoneyford Road @ War Memorial	Completed
Halftown Road @ Eikon Centre	Completed
Crumlin Road @ B&B	Completed
Lower Ballinderry Jct North Street	Completed
Benson St	Completed
Agars Road	Completed

Scheme	Status
Saintfield Road @ Blaize Craft	Completed
Orrs Lane Jct Hillhall Road	Completed
Tirowen Drive @ No 43	Completed
Peartree Hill Road From Gransha Road to Ballyrussell Road	Completed
Kilcorrig Road jct Ballinderry Road	Completed
Knockmore Road Ballymacoss Drive to Prince William	Completed
Ballyregan Road Grangewood Road to Stoney Road	Completed
Ballymacbrennan Crossroads	Completed
Hillhall Road @ Quarterlands	Completed
Halfpenny Gate Road @ Thornbrook	Completed
Crumlin Road @ Riverdale Road	Completed
Dromore Road Dromore Road to house no 64	Completed
Ballynahinch Road Legacurry	Completed
Gilnahirk Road West Jct Ballyhanwood Road	Completed
Glencregagh Road at bend house no 18	Completed
Mealough Road @ Ballymagarrick Road	Completed
Parkmount	Completed
Millmount Chase	Completed
Dundrum Road	Completed
Upper Malone Road @ Drum Bridge	Completed
Ballynahinch Road B7	Completed
Ballynahinch Road at house no 48	Completed*
Ballynahinch Road at house no 95	Completed*
Laganbank Road at Ent to the Point	Completed*
Moss Brook Road	Completed*
Mealough Road Opp Ballymagarrick Road	Completed*
Drumbo Road – 150m From Tullyard Road	Completed*

Scheme	Status
Hillhall Road Jct Largymore Link	Completed*

*additional to programme

5.7 LIAISON WITH UTILITIES

2019/20 Programme of Works

Scheme	Status
NORTHERN IRELAND WATER	
Lisburn City Centre Advance Public Realm Works	Ongoing
Service connection to customers	Ongoing
Newtownbreda Road storm elevation scheme	Ongoing
PHOENIX GAS	
Service connection to customers	Ongoing
VIRGIN MEDIA	
Service connection to customers	Ongoing
CABLE & WIRELESS	
Service connection to customers	Ongoing
POWER NI	
Lisburn City Centre Advance Public Realm Works	Ongoing
Service connection to customers	Ongoing
BT	
Lisburn City Centre Advance Public Realm Works	Ongoing
Service connection to customers	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 – Russell Moore (9052 8103)

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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)

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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)

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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)

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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)
Ballentine Gardens	170 linear metres of traditional carriageway with associated footways.
Brackenhill	Brackenhill Avenue: 135m traditional carriageway in bitmac with associated footways. Brackenhill Terrace: 48m shared surface (bitmac). Brackenhill Close: 85m traditional carriageway in bitmac with associated footways & 74 m shared surface.
Breda Court & Breda Mews	14m of traditional carriageway / 53m shared surface / 86m of footway.
Bridge Street, Hilden	87m footway.
Chestnut Grange	90 linear metres of traditional carriageway with associated footways and turning head. 189 linear metres of shared surface carriageway. 78 linear metres of frontage footway. 29m ² of grass verge.
Drumbo Road (Drumbo)	33 linear metres of footway and 96m ² of grass verge (fronting house no's 1, 1A and 1B).
Gransha Chase	112m of traditional carriageway (including adjoining footways) and 58m of remote footway.
Hawtree Park	243.5 linear metres of traditional carriageway with associated footways and turning head. 357m ² of lay-by parking & 62m ² of grass verge forward sightline. 12 linear metres of frontage footway (side of dwelling 32). 86.5 linear metres of footway widening (rear of dwellings 21-32).
Magheralave Road	155 linear metres of footway (fronting sports playing field).
Manor Drive	24 linear metres of traditional footway.
Mealough Road (Drumbo)	25 linear metres of footway widening (adjacent to 31 Front Road).
Meeting Street, Moira	55 linear metres of frontage footway.
Millburn Close	Millburn Close: 185 linear metres of traditional carriageway, (including turning head) plus associated footways. 55 linear metres of vehicle restraint system in 0.8m wide grass strip at rear of footway. Culvert crossing beneath carriageway consisting of twin 1500mm diameter concrete pipes with associated head walls, wing walls and galvanised steel debris screen and safety rails. Mill Road: 348 square metres of sight splay, (in grass), with vehicle restraint system before and after masonry bridge parapet.
Millreagh Drive and Millreagh Avenue	94 metres of shared surface, 120 metres of traditional carriageway and 42m ² of lay-by.
Prince William Road / Bentrin Road	10 metres of traditional carriageway and 210 metres of frontage footway.
Queensfort Park South	55 metres of traditional carriageway and associated footways.

Location	Length Adopted (M)
Thurlo Gate, Old Dundonald Road & Wanstead Road	216m ² of asphalt footway.
Wellington Park Drive	472 of traditional carriageway with associated footways and turning head, 83m of service strip, 63m of grass verge and 7m of remote footpath.
Windermere Road & Windermere Avenue	410m of traditional carriageway, 340m ² of parking bays.
Windermere Drive & Windermere Grove	435m of traditional carriageway, 24m of grass verge.
Woodbrook Development (Enforcement Site)	<p>Woodbrook Avenue: 450m of traditional carriageway.</p> <p>Woodbrok Green: 160m of traditional carriageway & 250m² parking bays.</p> <p>Woodbrook Walk: 30m of traditional carriageway & 150m of shared surface carriageway, including 110m of remote footway.</p> <p>Woodbrook Mews: 130m of traditional carriageway & 200m² of parking bays.</p> <p>Badgers Lane: 165m of traditional carriageway & 275m² of parking bays.</p> <p>Sycamore Mews: 100 of traditional carriageway & 188m² of parking bays.</p> <p>Sycamore Lane: 24m of traditional carriageway & 43m² of parking bays.</p> <p>Larch Lane: 85m of traditional carriageway.</p> <p>Ballinderry Road: 150m of footway to accommodate visibility splays.</p>

6.2 PLANNING APPLICATIONS

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