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Infrastructure

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EASTERN DIVISION

Report to

LISBURN & CASTLEREAGH
CITY COUNCIL
Spring 2016



INVESTORS
IN PEOPLE

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FOREWORD BY THE EASTERN DIVISIONAL MANAGER



Kevin Monaghan
Divisional Manager

Mayor, Aldermen and Councillors

I am very pleased to present my Spring Report on TransportNI 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 2015/16 and sets out our programme of schemes being undertaken in the year 2016/17. There are pressures on both capital and resource funding again in 2016-17. On the capital side, my staff will continue to develop resurfacing and traffic management schemes to enhance safety, to improve traffic flow and provide measures for pedestrians and cyclists. The Department will also continue to bid in monitoring rounds for further capital funding for structural maintenance to maintain the integrity of the road network.

On the resource side, we started the year only being able to deliver a reduced routine maintenance service. However, we have secured additional funding for repair of rural roads and if in year bids in monitoring rounds are successful, the funding will immediately be used to normalise this service.

I am pleased to report that a wide programme of Local Transport and Safety schemes was delivered last year. I am also pleased to report that a large programme of maintenance schemes was delivered in 2015/16, through successful in-year monitoring bids, despite a low level of funding being available at the start of the financial 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. TransportNI values constructive comment on all its activities and I look forward to meeting Council members on 15th August 2016.

A handwritten signature in black ink, appearing to read 'Kevin Monaghan'. The signature is written in a cursive style with a long, sweeping underline.

Kevin Monaghan
Divisional Manager
Eastern Division
'Hydebank'
4 Hospital Road
Belfast BT8 8JL

1.0 INTRODUCTION

Eastern Division is part of the overall structure of TransportNI (see figure 1 below) which is based on separate business units for those who order services (clients) and for those who provide services (Design and Consultancy Services and Operations and Maintenance).

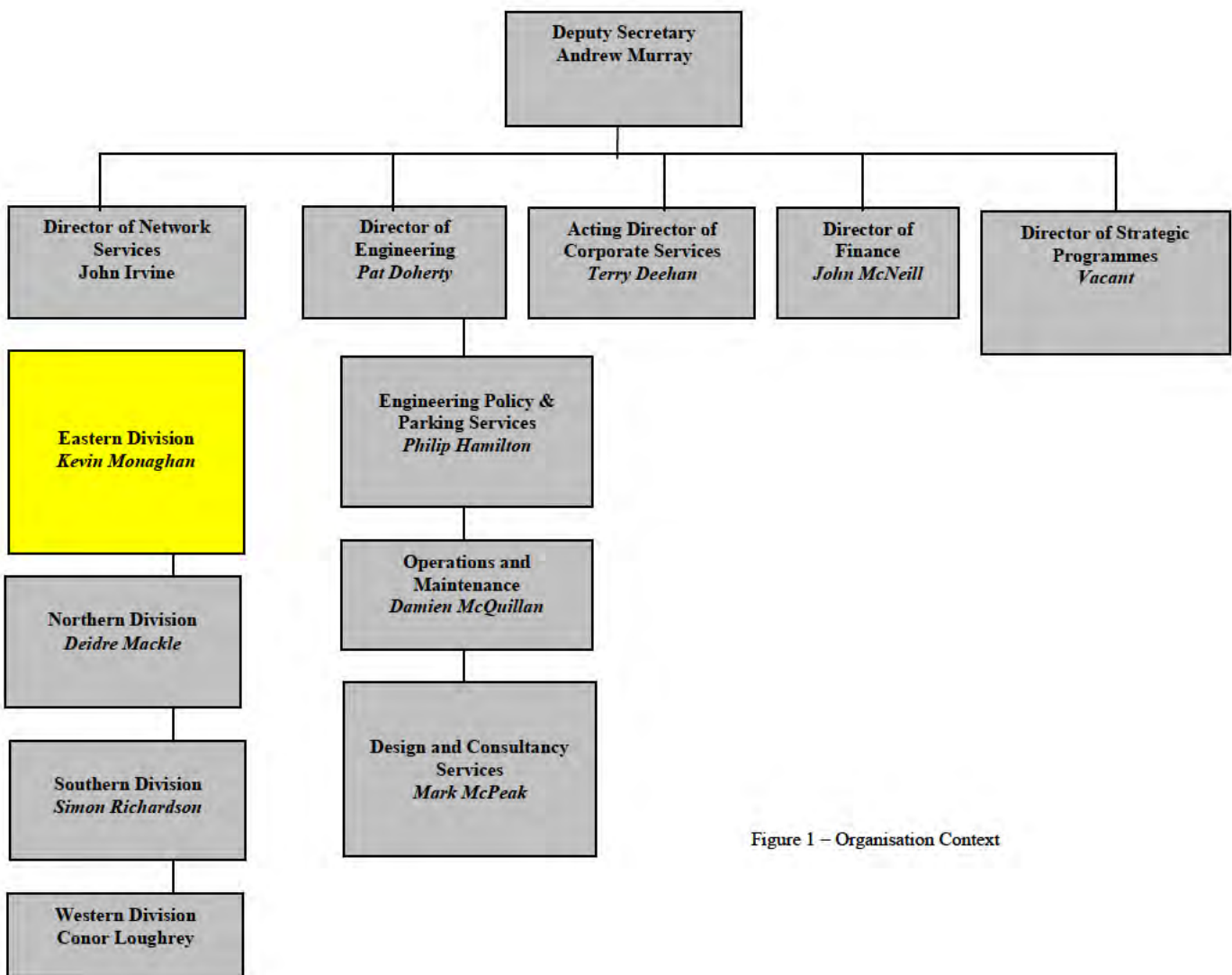


Figure 1 – Organisation Context

Eastern Division Management Structure



Kevin Monaghan (9025 3001)
kevin.monaghan@infrastructure-ni.gov.uk
Divisional Manager



Philip Robinson (9025 3080) 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 QRC & bus priority Park and Ride schemes



Lionel Walsh (9025 3060) lionel.walsh@infrastructure-ni.gov.uk
Network Planning

Development Control, Private Streets and Transport Assessments



Graeme Beckett (9025 4500) Graeme.beckett@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 (9025 3036) 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 (9025 3071) stephen.pollock@infrastructure-ni.gov.uk
Network Development / Strategic Route Improvements

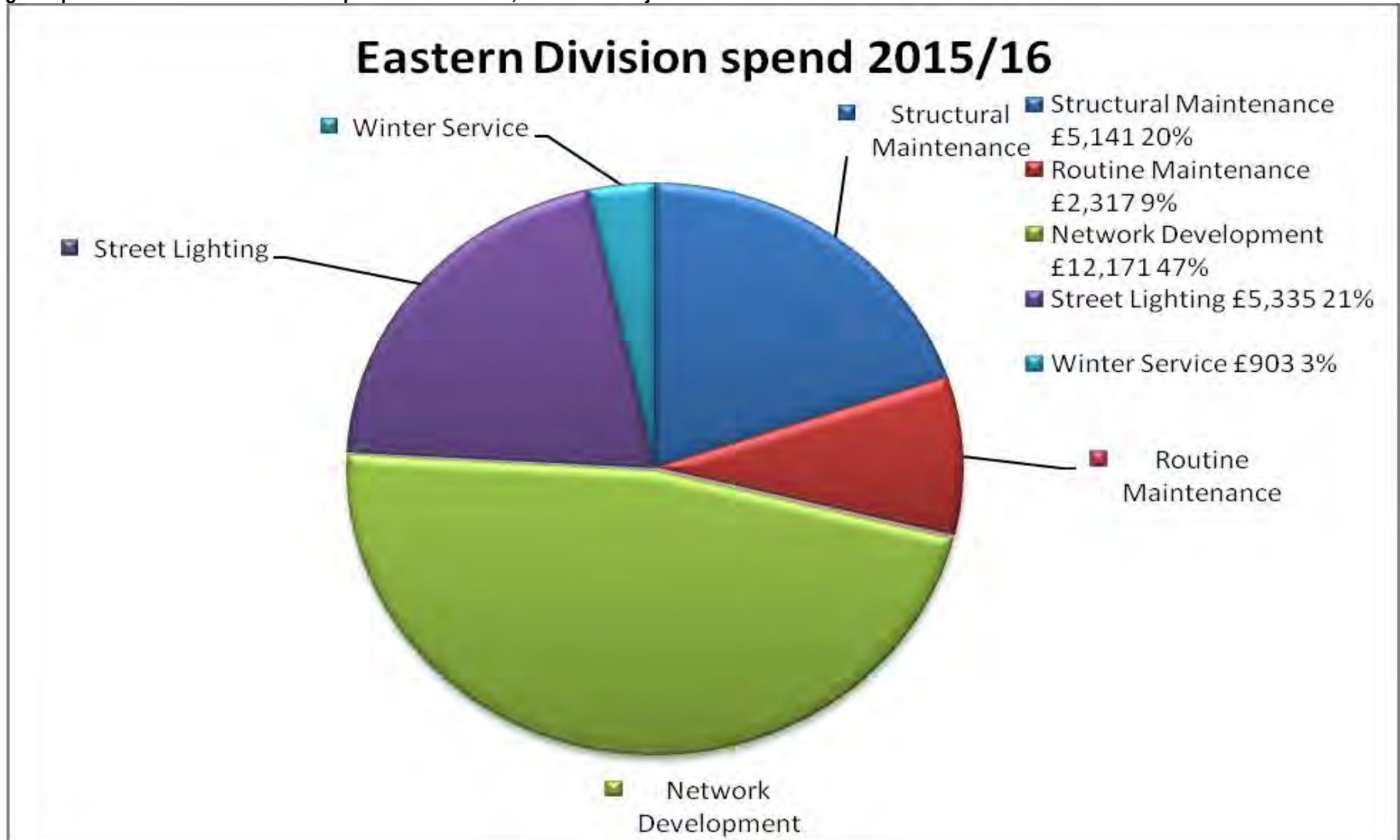
Minor works programme, maintenance and strengthening of structures, Forward Planning, Developing and progressing Strategic Highway Improvements within Eastern Division



Colin Sykes (9025 3111) 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.



Lisburn & Castlereagh City Council area – Key Statistics

Roads infrastructure	Eastern Division	Lisburn & Castlereagh City Council area
Length of public road (km)	2411	1326
Length of footway (km)	3065	931
Number of bridges	395	262
Number of street lights	71085	23903
Number of car parks	4	1
Number of car parking spaces	2366	295

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 2015/16 we:

- Invested £5.1 million on structural maintenance
- resurfaced 44.1 lane km of the road network
- resurfaced 3.3 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 2015/16 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 2015/16 we:

- invested around £0.82 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 46,938 road defects following inspections.

Managing the road

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 provision of accurate and reliable traffic information to the public

Within Eastern Division during 2015/16 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 22 gritters and over 100 personnel available to salt approximately 1,239km of main roads.

There were 59 call-outs this year, using around 8,870 tonnes of salt, at a cost of approximately £15k per call-out to treat all roads on the salting schedule. Eastern Division completed 96% of winter salting actions within 4 hours, exceeding the target.

Our total winter service expenditure was £0.93 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 2015/16 financial year, Eastern Division dealt with over 2,300 planning application consultations and processed an average of 70% of these within 15 working days. In relation to new housing developments, 13km of Private Streets have been determined in 2015/16. 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. 66 new sites have started since April 2015 representing approximately 6km of new roads and footways. At 31 March 2016 we held £23.5M in bonds, and during 2015/16, £3.2M of new bonds were processed with £3.3M 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 2015/16 there were 46,362 utility company road openings across Northern Ireland, with some 14,746 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 4,432 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.

While one of the major works schemes, the A2 Shore Road Greenisland scheme, now lies within boundary of the new Northern Division, Eastern Division continued with the management of the construction of the scheme until its completion.

- A2 Shore Road Greenisland – Work commenced on site in March 2013 and the scheme was fully opened to traffic on 28 September 2015. The Minister officially opened the road on 3 December 2015.

Within Eastern Division there are currently three major road improvement schemes being developed. These are the York Street Interchange, the A55 Knock Road and the A2 Sydenham Bypass.

- York Street Interchange - Following the Public Consultation period for the Draft Statutory Orders, the Minister decided to hold Public Inquiry into the scheme. This ran from 10th to 12th November 2015. It is expected that a final announcement on the Department's intentions will be published in July 2016. The tender process is currently ongoing, being run in parallel with the statutory process in order to progress the scheme in the most efficient manner possible. The tender process is flexible enough to accommodate the outcome of the Public Inquiry.
- A55 Knock Road - Roads Service published the Notice of intention to Proceed and the Direction Order in September 2012 following the completion of a Departmental Statement. While there is currently no funding for this scheme, work can be progressed should additional funds become available.
- A2 Sydenham Bypass – the preferred option for the scheme was published in February 2010. While there is currently no funding for this scheme, work can be progressed should additional funds become available.

The commencement of construction for the York Street Interchange, the A55 Knock Road and the A2 Sydenham Bypass will depend on the satisfactory completion of an economic assessment, completion of the statutory process and subject to funding being made available by the Executive in future budget settlements.

Bridge Strengthening

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

Last year across Eastern Division we inspected 221 structures and carried out maintenance and repair work to 20 structures. In 2015/16 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 2015/16 we spent over £4 million on a range of measures to improve the safety and efficiency of the road network. In Eastern Division this included implementation of:

- 24 Minor Works improvement schemes;
- 3 Collision Remedial measures at specific sites;
- 6 Traffic Calming measures;
- 2 Safer Routes to School Schemes;
- 0.83kms of new cycle facilities;
- 13 Controlled Pedestrian Crossings;
- 0.52 kms of new/enhanced footway provision;
- 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 2015/16 we spent £2.75 million installing new and maintaining existing lighting systems in Eastern Division. This excludes the energy costs which were £2.6 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

We provide the infrastructure necessary for the proposed new Belfast Rapid Transit (BRT) buses to operate reliably.

BRT has been divided into a number of schemes and in 2015/16 we spent £4.8M in carrying out widening of the carriageway to achieve 4x3m running lanes, relocation of services and resurfacing of the footway and carriageway. The necessary legislation to provide additional bus lanes has also been progressed in conjunction with this. The Rapid Transit system is currently expected to be operational in September 2018.

During 2015/16 the following schemes have been completed: -

- Upper Newtownards Road (Sandown Road to Knock Road)
- Falls Road (Grosvenor Road to Whiterock Road)

In addition the following schemes are currently underway: -

- Upper Newtownards Road (Albertbridge Road to Sandown Road)
- Divis Street (Millfield to Grosvenor Road)
- Stewartstown Road (Finaghy Road North to Michael Ferguson Roundabout)

Customer Service

TransportNI 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 2015/16 we received 4672 written enquiries from the general public and responded to 91% of these within 15 days.

2.0 NETWORK DEVELOPMENT/ SRIT

Principal Engineer – Stephen Pollock (9025 3071) stephen.pollock@infrastructure-ni.gov.uk

He is supported by the following staff:

Works and Structures - David Grills (9025 3153)

david.grills@infrastructure-ni.gov.uk

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



Strategic Road Improvement 2 – Basil Hassard (9025 3272)

basil.hassard@infrastructure-ni.gov.uk

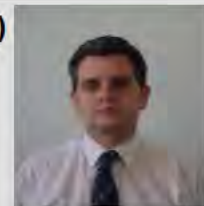
Basil is responsible for development of the A2 Shore Road dual carriageway scheme, the M1 / A1 Link at Sprucefield and the Sydenham By-pass scheme. Basil is supported by Ian Kernaghan (ext 53073).



Strategic Road Improvement 1 – Colin Pentland (ext 53212)

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 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.

TransportNI 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. Progression of the scheme will be subject to the availability of future funding.

2.2 A1 JUNCTIONS – PHASE 2

This proposal, which is estimated to cost in the range £40-£50million, 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.

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 some minor road junctions along this section of the A1.

Progress

TransportNI officials met with directly impacted landowners in September/October 2015 prior to a leaflet drop confirming the Preferred Option to all properties along the affected stretch of the A1.

The preferred junction option at each junction location is as follows;

- Listullycurran Road – Blue Option
- Gowdstown Road – Green Option
- Skeltons Road/Drumneath Road – Purple Option
- Waringsford Road – Brown Option

A significant amount of development work has already been progressed however, much remains to be done. The current phase of this work involves the completion of the design and preparing an Environmental Statement in preparation for taking the proposal through the statutory procedures, which will likely include a Public Inquiry.



A strategy is being 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 involves the closure of the 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. The Notice of Intention for the stopping up order for Moira Road was advertised in the local papers late June/early July 2016 and the objection period runs until 8th August. The Department may receive objections and if they cannot be resolved it may be necessary to convene a Public Inquiry. Subsequent to a satisfactory outcome of this process it is proposed to complete these works this financial year.

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.





2.3 MINOR WORKS

2015/16 Works Completed

<i>Scheme</i>	<i>Status</i>
<p>A26 Glenavy Road at Ballinderry Road / Lower Ballinderry Road junction. Realignment of the Ballinderry Road to form a new junction with the A26 Glenavy Road, north of its existing position and provision of right turn pockets on the A26 for vehicles turning right onto the Ballinderry and Lower Ballinderry Roads.</p> <p>The scheme started on site December 2014 and was completed in September 2015.</p>	<p>Completed.</p>
<p>B6 Saintfield Road / A49 Saintfield Road Improvement of forward sight distance on B6 Saintfield Road at the junction with the A49 Saintfield Road, Lisburn, to provide greater visibility for motorists approaching the junction.</p> <p>Scheme started on site 1 February and was completed 2 March 2016.</p>	
	

MINOR WORKS

2016/17 Programme of Works

Scheme	Status	
<p>A24 Old Ballynahinch Road at Temple Crossroads, Lisburn.</p> <p>The provision of a new 4 arm roundabout along the A24 Old Ballynahinch Road, incorporating the realignment of existing approaches from the B6 Saintfield Road.</p> <p>Land acquisition for scheme completed 21 March 2016 and the works commenced on site in May 2016.</p>		
		<p>On site</p>
Scheme	Status	
<p>B23 Hillhall Road / Glen Road – Phase 2</p> <p>Carriageway widening and realignment to improve sightlines and forward visibility at bend between Nos 214 and 218 Hillhall Road.</p> <p>Scheme commenced on site 15 February 2016 with works due for completion Summer 2016.</p>		
		<p>On site.</p>

<p>Bottier Road, Moira – Footway Link</p> <p>The provision of a new 2 metre wide footway along the front of St Colmans Church to link the existing footway at the front of the houses on Bottier Road with planned community facilities.</p> <p>Scheme started 20 January 2016 with construction ongoing on site.</p>		On site.
		
<p>CASTLEREAGH</p> <p>No Minor Works schemes are currently programmed for Castlereagh.</p>		

2.4 MAINTENANCE OF STRUCTURES 2015/16 Works Completed

Scheme	Status
PRINCIPAL INSPECTIONS OF BRIDGES AND CULVERTS	
Bridge No.20213 – Dundonald Footbridge	Completed
Bridge No 20275 – Glenhugh Footbridge	Completed
Bridge No 20279 – Creagh Road Culvert	Completed
Bridge No 20283 – Kings Road Subway	Completed
Bridge No 20284 – Tullycarnet Subway	Completed
Bridge No 20285 – Ladas Drive	Completed
Bridge No 20308 – Saintfield Road	Completed
Bridge No 90148 – Black Bridge	Completed
Bridge No 90220 – Drumbeg Road	Completed

Scheme	Status
Bridge No 90243 – Wolfendens Bridge	Completed
Bridge No 90248 – Hilden Bridge(Disused Canal)	Completed
Bridge No 90254 – Lambeg Canal Bridge	Completed
Bridge No 90262 – Greer’s Bridge	Completed
Bridge No 90283 – Huntshill Road	Completed
Bridge No 90286 – Stoneyford Bridge	Completed
Bridge No 90295 – Belfast Road	Completed
Bridge No 90307 – Moira Road	Completed
Bridge No 90392 – Derriaghy Halt Footbridge	Completed
Bridge No 90441 – Lisburn Road	Completed
Bridge No 90462 – Mullaghacartan Road	Completed
Bridge No 90482 – Newmills Bridge	Completed
Bridge No 90492 – Ballydonaghy Bridge	Completed
Bridge No 90493 – Knockcairn Bridge	Completed
Bridge No 90544 - Glen Road	Completed
Bridge No 90562 – Drum Bridge North	Completed
Bridge No 90563 – Drum Bridge South	Completed
Bridge No 90601 – Glenavy Road	Completed
Bridge No 90658 – Lisburn Road	Completed
Bridge No 90666 – Ballyskeagh Footbridge	Completed
Bridge No 90669 – Summerhill Drive Culvert	Completed
Bridge No 90670 – The Cutts Derriaghy	Completed
REMEDIAL WORK ON MASONRY STRUCTURES	
Bridge No 20307 – Charity Bridge – Invert repairs and extending/raising parapets	Completed
Bridge No 20314 – Cairnshill Subway – Graffiti Removal	Completed
Bridge No 90159 – Comber Road – Parapet Repairs	Completed

Scheme	Status
Bridge No 90221 – Drumbeg Bridge – Parapet repairs due to RTC	Completed
Bridge No 90225 – Magheralave Road, Lisburn – Masonry Repairs/Vegetation Removal	Completed
Bridge No 20289 – The ‘Y’ Bridge, Stoneyford – Masonry Repairs and Tie Bars	Completed
Bridge No 90447 – McPhersons Bridge – Raising of Parapets	Completed
Bridge No 90452 – Old Ballynahinch Road, Bailies Bridge – Parapet Repairs	Completed
Bridge No 90482 – New Mills, Moira – Masonry Repairs	Completed
Rosetta Road – Retaining Wall Repairs and Graffiti Removal	Completed
Upper Ballinderry Road – Parapet Repairs	Completed

MAINTENANCE OF STRUCTURES

2016/17 Programme of Works

Scheme	Status
PRINCIPAL INSPECTIONS OF BRIDGES AND CULVERTS	
Bridge No 20277 – Harpers Bridge	Programmed
Bridge No 20280 – Manse Road	Programmed
Bridge No 20287 – Three Town Bridge	Programmed
Bridge No 20288 – Gransha Road	Programmed
Bridge No 20289 – Lisleen Bridge	Programmed
Bridge No 20305 – Mill Road West/Ballycoan	Programmed
Bridge No 20306 – Mill Road West/Purdysburn	Programmed
Bridge No 20307 – Charity Bridge	Programmed
Bridge No 20305 – Mill Road West/Ballycoan	Programmed
Bridge No 20313 – Holygate Avenue Footbridge	Programmed
Bridge No 20314 – Cairnshill Subway	Programmed
Bridge No 26876 – Saintfield Road(Opposite Ivanhoe) – Cantlever Signs	Programmed
Bridge No 90261 – Old Hillsborough Road(Footbridge)	Programmed

Scheme	Status
Bridge No 90026 – Ballykine Road	Programmed
Bridge No 90221 – Drum Bridge	Programmed
Bridge No 90230 – Youngs Bridge, Maze	Programmed
Bridge No 90238 – Queens Road(Subway)	Programmed
Bridge No 90249 – Hilden Bridge	Programmed
Bridge No 90306 – Leap Bridge	Programmed
Bridge No 90436 – Maze Bridge	Programmed
Bridge No 90437 – The New Bridge	Programmed
Bridge No 90451 – Disused Railway Arch	Programmed
Bridge No 90461 – Mullaghcarron Road	Programmed
Bridge No 90463 – Dunygarton Road	Programmed
Bridge No 90467 – White Lane	Programmed
Bridge No 90522 – Old Ballynahinch Road. Cargycreevy	Programmed
Bridge No 90646 Upper Dunmurry Lane	Programmed
Bridge No 90657 – Springmount Road	Programmed
REMEDIAL WORK ON CONCRETE AND STEEL STRUCTURES	
Bridge No 20273 – Newtownbreda Footbridge – Concrete Repairs due to RTC	Programmed
Bridge No 20283 - Kings Road Subway – Drainage works to structure	Programmed
Bridge No 90270 – Glenavy Road – Wingwall and parapet repairs	Programmed
Bridge No 90395 – Kingsway, Dunmurry Repairs to Plinth Abutment	Programmed
REMEDIAL WORK ON MASONRY STRUCTURES	
Bridge No 20310 – Mealough Road – New Parapets	Programmed
Bridge No 20322 – Ballyknockan Road/Monlough Road	Programmed
Bridge No 20393 – Queensway, Dunmurry – Repairs to Damaged Parapet due to RTC	Programmed
Legacurry Culvert – New Parapet	Programmed
A49 Ballynahinch Road, Lisburn – Retaining wall repairs	Programmed

2.5 M1 CITY BOUND HARD SHOULDER BUS LANE

Mitigating measures in relation to temporary traffic management for the proposed York Street Interchange scheme are currently under consideration, including the introduction of a bus-lane on the hard shoulder of the M1 city bound. Implementation of the scheme will be dependent upon progression of the York Street Interchange scheme.

3.0 NETWORK TRAFFIC AND STREET LIGHTING

Principal Engineer – Philip Robinson (9053080) philip.robinson@infrastructure-ni.gov.uk

He is supported by the following staff:

Traffic Management 1 - Roy Gordon (9025 3007)

roy.gordon@infrastructure-ni.gov.uk



This team deals with traffic improvement schemes in Belfast.

Traffic Management 2 - Graeme Salmon (9025 3026)

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 - Paul King (9025 3029)

paul.king@infrastructure-ni.gov.uk



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

Street Lighting - David Wright (9025 3058)

david.wright@infrastructure-ni.gov.uk



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

Transportation - Harry Armstrong (9025 3022)


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

2015/16 Works Completed

Scheme	Status
<p>B2 Ballynahinch Road at No. 159 – Widening and bend improvement</p> 	<p>Completed</p>

COLLISION REMEDIAL


2016/17 Programme of Works

Scheme	Status
38 Dromore Road, Hillsborough - High Friction surfacing and enhanced signing	In progress
Sales Corner - High Friction surface and enhanced signing	Programmed
Upper Braniel Road junction with Middle Road - High Friction surface and enhanced signing	Programmed

3.2 PEDESTRIAN MEASURES

2015/16 Works Completed

Scheme	Status
Hillsborough Road/ Laganbank Road junction – pedestrian phase on slip road	Completed
Old Dundonald Road between Coronation Gardens and Quarry Lane – puffin crossing	Completed

<i>Scheme</i>	<i>Status</i>
A1 Queensway near Lambeg Station – High Friction surfacing at puffin crossing	Completed*
Station Road, Moira – Footway widening (on Moira side of motorway bridge)	Completed*
	
Ballymaccash Park removal of return kerbs in association with resurfacing	Completed*
Hillside Gardens and Crescent removal of return kerbs in association with resurfacing	Completed*

*Additional to programme

PEDESTRIAN MEASURES


2016/17 Programme of Works

<i>Scheme</i>	<i>Status</i>
Derrigahy Road at Linen Green – provision of puffin crossing (C/F from 2015/16)	Design stage
A3 Moira Road junction with Knockmore Road - upgrade of existing traffic signals and crossing facilities including additional pedestrian phase and addition of filter arrow in association with resurfacing	Programmed*

*Additional to programme

3.3 TRAFFIC SIGNS AND INFORMATION 2015/16 Works Completed

<i>Scheme</i>	<i>Status</i>
Divis Road/ Budore Road – Advance 'Give Way' plate – 190 yds	Completed

Scheme	Status
Hillhall Road/ Ballantine Gardens – 3 ‘Roundabout’ warning signs	Completed*
A1/ Ravernet Road – Advance direction sign	Completed*
Dromara Road/ Edentrillick Road – 2 chevrons and marker posts	Completed
Belfast Road/ Bann Road, Glenavy –‘Side Road Ahead’ warning signs	Completed
A49 Saintfield Road near B6 Comber Road – Red surfacing with ‘SLOW’ road marking	Completed*
Cumberland Road and Park Drive, Dundonald – Traffic Signal warning signs	Completed
Ballycolin Road, Divis – ‘Steep gradient’ warning sign	Completed*
<p>A26 Moira – Climbing lane signs at Lecky Road and Carnkilly Road</p> 	Completed
A49/ B6 junction - Replacement and upgrade of existing signing	Completed
Clarehill Road - Red surfacing at speed limit	Completed*
Meadow Road - Red surfacing with ‘SLOW’ marking on approach to Halfpenny Gate Road	Completed*

*Additional to programme

TRAFFIC SIGNS AND INFORMATION 2016/17 Programme of Works

Scheme	Status
McKeown Street – ‘Turning area – 150 yards’ information sign provided	Completed
Ballymaglaff Road – 12 no. marker posts	Completed
Quarterland Road/ Sycamore Road – new warning signs 	Completed

3.4 DROPPED KERBS/MOBILITY RAMPS 2015/16 Works Completed

Scheme	Status
Moira village (General) – Various locations	Completed*
Annahilt – Various locations	Completed
Rathvarna Drive/ pathway link	Completed
Plantation Road	Completed*
Hillhall Rd/Brunbree Avenue	Completed

*Additional to programme

DROPPED KERBS/MOBILITY RAMPS 2016/17 Programme of Works

<i>Scheme</i>	<i>Status</i>
Main Street, Moira – Various locations (C/F from 2015/16)	In progress substantially complete
Tonagh area – Various locations (C/F from 2015/16)	In progress substantially complete
Governor’s Road/ Lisburn Omniplex entrance road (C/F from 2015/16)	Programmed
Cairnshill Road/ Upper Malvern area - Various locations (C/F from 2015/16)	Programmed
Richmond Avenue/ Adlon Gardens	Programmed

3.5 CARRIAGEWAY MARKINGS 2015/16 Works Completed

<i>Scheme</i>	<i>Status</i>
Dromara Road/ Edentrillick Hill – 2 ‘SLOW’ markings	Completed
Ballyhanwood Road - edge of carriageway marking	Completed*
Newtownbreda Road/ Greer Park Avenue, N’breda – 15 metre corner restrictions	Completed
Leckey Road –centre-line	Completed
C297 Ballynahinch Road –Road studs (Lisnoe Road to Annahilt)	Completed*
22-24 Comber Road, Dundonald –‘I’ bar marking	Completed*
A49 Magheraknock Road – Double white line system on Lisburn side of Creevytenant Road	Completed *
Upper Braniel Road at Hillmount Nursery – ‘SLOW’ marking	Completed *
Ballynahinch Road at Lakelands Road – ‘SLOW’ marking	Completed

	Completed
Quarterland Road/ Sycamore Road – Hatching marking	
Glebe Avenue/Glebe Way, Annahilt– Give Way markings	Completed*

*Additional to programme

CARRIAGEWAYMARKINGS

2016/17 Programme of Works

<i>Scheme</i>	<i>Status</i>
Edenticullo Road/ Clogher Road – edge of carriageway marking (C/F from 2015/16)	Programmed
Laganbank Road/ Hill Street – Yellow box	Completed
Hill Street (at public car-park) – additional arrow markings	Completed

3.6 LEGISLATION

2015/16 Works Completed

<i>Scheme</i>	<i>Status</i>
SPEED LIMITS	
Ballykeel crossroads – 40mph speed limit	Completed
Aghnatrisk Road – extend 30 mph speed limit approx. 130 metres due to new development – Annacloy Park	Completed*
Bottier Road/ Bridge Road – 30mph speed limit	Completed
Killultagh Road at Ballycarrickmaddy Primary School – 30mph speed limit	Completed

Scheme	Status
WAITING RESTRICTIONS	
Forthill, Lisburn - Extension of double yellow lines	Objections received*
Hillsborough village – Change in waiting times of limited waiting bays	Withdrawn due to objections received*

*Additional to programme

LEGISLATION

2016/17 Programme of Works

Scheme	Status
SPEED LIMITS	
Ravernet Road – 50mph speed limit (C/F from 2015/16)	In progress
C297 Ballynahinch Road – 50mph speed limit (C/F from 2015/16)	In progress
WAITING RESTRICTIONS	
Station Road, Lambeg – Working day restriction (C/F from 2015/16)	Programmed
WEIGHT RESTRICTIONS	
Hillsborough Weight Limit – 7.5T restriction (C/F from 2015/16)	At consultation stage

3.7 DISABLED PARKING BAYS (DPB) 2015/16 Works Completed

Scheme	Status
66 Drumadoon Drive, Castlereagh	Completed
60 Ashmount Gardens, Lisburn	Completed
Tanners Court Moira	In Progress

DISABLED PARKING BAYS**2016/17 Programme of Works**

<i>Scheme</i>	<i>Status</i>
Applications for disabled parking bays (DPB) have been assessed on an individual basis, as they are received	Ongoing

3.8 SAFER ROUTES TO SCHOOL**2015/16 Works Completed**

<i>Scheme</i>	<i>Status</i>
Ballymacash Primary School – SRTS signs	Completed

SAFER ROUTES TO SCHOOL**2016/17 Programme of Works**

<i>Scheme</i>	<i>Status</i>
St Aloysius Primary School Ballinderry Road – additional SRTS sign	In progress*

*Additional to programme

3.9 TRAFFIC SCHEMES**2015/16 Works Completed**


<i>Scheme</i>	<i>Status</i>
A30 Glenavy Road enhanced speed limit signs and lines	Completed

TRAFFIC SCHEMES**2016/17 Programme of Works**

<i>Scheme</i>	<i>Status</i>
A23 Ballygowan Road - enhanced signage, red patches and edge of carriageway markings	In progress
B178 Comber Road, Carryduff enhanced signage and road markings	In progress
Upper Braniel Road at Hillmount Nursery – High Friction surface on bend	In progress

3.10 TRAFFIC CALMING

2015/16 Works Completed

Scheme	Status
<p>Dundrod – Gateway Treatment</p> 	<p>Completed.</p>
<p>Milltown, Derrigahy – Gateway Treatment</p> 	<p>Completed.</p>
<p>Moira – Gateway Treatment</p> 	<p>Completed.</p>

TRAFFIC CALMING

2016/17 Programme of Works

Scheme	Status
Carryduff – Gateway Treatment	Programmed
Lambeg – Gateway Treatment	Programmed

3.11 CYCLE MEASURES

2015/16 Works Completed

Scheme	Status
<p>*Knockmore Road Cycle Track</p> 	Completed

* Reintroduced to 2015/16 programme during the year.




CYCLE MEASURES

2016/17 Programme of Works

Scheme	Status
Graham Gardens contra flow cycle lane.	Programmed

3.12 CAR PARKING

2015/16 Works Completed

Scheme	Status
Review of the on-street charged parking in Lisburn City Centre.	Completed
<p>Additional loading facilities have been provided in Antrim Street, Bachelors Walk and Railway Street.</p> <p>Antrim Street.</p> 	Completed
<p>Bachelors Walk.</p> 	Completed
<p>Railway Street.</p> 	Completed

CAR PARKING**2016/17 Programme of Works**

<i>Scheme</i>	<i>Status</i>
Review of the on-street charged parking in Lisburn City Centre. Formally consult and carry out the legislative process with the aim of introducing additional loading facilities in Castle Street.	Programmed

3.13 STREET LIGHTING**2015/16 Works Completed**

<i>Scheme</i>	<i>Status</i>
Ashcroft Park, Lisburn	Completed
Addison Park, Lisburn	Completed
Church Close/Lagan Valley Heights, Lisburn	Completed
Llewellyn Avenue/Drive, Lisburn	Completed
Hollygate Park/Avenue, Castlereagh	Ongoing
Church Avenue, Castlereagh	Ongoing
Park Avenue, Castlereagh	Ongoing
East Link Road, Dundonald, Castlereagh	Ongoing
Comber Road, Carryduff, Castlereagh	Completed

STREET LIGHTING**2016/17 Programme of Works**

<i>Scheme</i>	<i>Status</i>
Wallace Avenue/Sackville Street/Conway Street, Lisburn	Proposed
Ward Avenue/Windsor Avenue/Jubilee Avenue/Jubilee Place, Lisburn	Proposed
Backwood Road/Castlevue Park/Castlevue Gardens, Moira	Proposed
Ballynahinch Rd (from Carryduff Roundabout to Hillsborough Rd), Castlereagh	Proposed
Galway Park, Dundonald, Castlereagh	Proposed
Reaville Park, Dundonald, Castlereagh	Proposed

3.14 BUS MEASURES

2015/16 Works Completed

Scheme	Status
Old Dundonald Road Belfast – Major tree pruning and accommodation works to facilitate provision of a new Metro Service along the Old Dundonald Road	Completed
Old Belfast Road-Queensway- Refurbishment of bus lane carriageway markings	Completed

BUS MEASURES

2016/17 Programme of Works

Scheme	Status
Sprucefield Park and Ride – Provision of a new 650 space Park and Ride facility and Terminal Building.	Awaiting outcome of the Public Inquiry
Additional hard stands shall be constructed at bus stops where a need is identified and resources are available.	Ongoing
BELFAST RAPID TRANSIT	
Upper Newtownards Road (Knock Road to Dunlady Road). Carriageway widening, resurfacing and improvements to drainage and pedestrian crossing facilities.	Design work in progress.

4.0 NETWORK TRANSPORT TELEMATICS

Principal Engineer – Graeme Beckett (9025 4500) Graeme.beckett@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.



Roger Holland (90 254529) roger_holland@infrastructure-ni.gov.uk

This team has specific responsibilities for issues of Road Safety including the development of the Road Safety Engineering Report and the establishment of Central Road Safety Unit. It is also responsible traffic counting and publishing the traffic census.



TICC's TrafficwatchNI website



M1 / A12 Westlink Managed Route

4.1 NETWORK TRANSPORT TELEMATICS

2015/16 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
Provide increased resilience and capacity enhancements to the CCTV control system by migrating hardware onto an IP platform.	Commenced
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 and subject to adequate funding we will upgrade traffic signal equipment where necessary.	Ongoing
Replace the traffic signals and deploy MOVA, an advanced form of traffic signal control, at the junction of Queensway /Moss Road	Completed.
Provide increased resilience to the traffic control system by migrating traffic signals to utilise more reliable IP (internet protocol) based communications	Substantially complete
TRAFFIC MANAGEMENT	
We will undertake an Options Study to alleviate queuing on the M1 Black's Road offslip	Commenced
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

NETWORK TRANSPORT TELEMATICS 2016/17 Programme of Works

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
Subject to adequate funding be made available we will upgrade traffic signal equipment as required.	Ongoing
PEDESTRIAN MEASURES	
Subject to adequate funding be made available we will upgrade 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:

**Lisburn and Castlereagh Section Engineer -
Eamonn McMahon (9262 6666)**

eamonn.mcmahon@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(90253364)

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 2015/16 Works Completed

<i>Scheme</i>	<i>Status</i>
From April 2015 to March 2016, 19 km of carriageway has been resurfaced in the Lisburn/Castlereagh area. This equates to 105000sq.m and includes the schemes listed below.	
RESURFACING SCHEMES	
Lough Road at Sandy Bay	Completed
Ballinderry Road from Meeting House Road	Completed
Taughlumny Road	Completed
Graham Street	Completed*
Montgomery Drive	Completed*
Alexander Ave	Completed*
Oughley Road	Completed*
Drumalig Road	Completed*
Lisnode Road, Drumbo	Completed*
Magheralave Road	Completed*
159 Ballynahinch Rd Dromara	Completed*
Knockmore Road lane 1 refurb	Completed*
Soldierstown Road	Completed*
Mayfields	Completed*
Fairview Park	Completed*
Clarehill Road	Completed*
Eglantine Road	Completed*
Govenors Road	Completed*
Laney Road	Completed*
Moira Road	Completed*
Dromore Road, Hillsborough	Completed*
Refords Lane	Completed*
COLD ASPHALT OVERLAY CARRIAGEWAYS	

<i>Scheme</i>	<i>Status</i>
Killowen Grange	Completed
Killowen Crescent	Completed
Manor Park	Completed
Windermere Rd	Completed
Green Park	Completed
Glenmore Pk	Completed
Glenmore Dr	Completed
Hill St	Completed
Ivan St	Completed
Waterside	Completed

*additional to programme

CARRIAGEWAY RESURFACING 2016/17 Programme of Works

<i>Scheme</i>	<i>Status</i>
RESURFACING SCHEMES	
Lurganure Road	On site
Killwarlin Road	On site
Laverys Bridge Road	On site
Mullaghglass Road	Programmed
Causeway End Road	Programmed
A3 Moira Road Knockmore Rd to Hulls Lane	Programmed
Hillsborough Road	Programmed
A7 Belfast Road TRN	Programmed
Brokerstown Road	Programmed
A3 Moira Roundabout TRN	Completed
Carnreagh	Programmed

Scheme	Status
COLD ASPHALT OVERLAY CARRIAGEWAYS	
Glenwood Court	Programmed
Belvoir Crescent	Programmed
Belvoir Park	Programmed
Granville Drive	Programmed
Carnreagh Avenue	Programmed
Burnbrae Avenue	Programmed
Beechwood Manor	Programmed

5.2 FOOTWAY RESURFACING

2015/16 Works Completed

Scheme	Status
From April 2015 to March 2016, 2 km of footway was resurfaced in the Lisburn/Castlereagh area. This includes the schemes listed below.	
RESURFACING SCHEMES	
Hillside Gardens	*Completed
Hillside Crescent	*Completed
Ballymacash Park	*Completed
Fairview Park	*Completed
COLD ASPHALT OVERLAY FOOTWAYS	
Derryvolgie Park footway	Completed

*additional to programme

FOOTWAY RESURFACING

2016/17 Programme of Works

Scheme	Status
RESURFACING SCHEMES	
Beechdene Park	Programmed

<i>Scheme</i>	<i>Status</i>
Beechdene Drive	Programmed
Beechdene Gardens	Programmed
Rathmore Park	Programmed
Warren Park	Programmed
Benson Street	Programmed

5.3 SURFACE DRESSINGS

2015/16 Works Completed

<i>Scheme</i>	<i>Status</i>
Lissue Lane	Completed
Chestnuthill Road	Completed
Corrstown Road	Completed
Hallstown Road	Completed
Ballymacward Road	Completed
Whitemountain Road	Completed
Cross Lane	Completed
Dagger Road	Completed
Ballyclough Road	Completed
Old Church Lane	Completed
Thorndale Road	Completed
Drumbane Road	Completed
Ballymote Rd	Completed
Carnkilly Road	Completed
Carnhill Road	Completed
Steedstown Road	Completed
Aghnatriisk Road	Completed
Front Road	Completed

<i>Scheme</i>	<i>Status</i>
Drumlough Road	Completed
Ballymurphy Road	Completed
Cargygray Road	Completed
Drumnaknockan Road	Completed
Drumnaknockan Road South	Completed
Drumnaknockan Lane	Completed
Lairds Road	Completed
Pinehill Road	Completed
Tullynore Road	Completed
Magheraconluce Lane	Completed
Ballylintagh Lane	Completed
Ballylintagh Road	Completed
Mullaghdrin Road	Completed
Drumalig Road	Completed
Waterloo Road	Completed
Cargygray Road	Completed
Drumlough Road	Completed

SURFACE DRESSINGS

2016/17 Programme of Works

<i>Scheme</i>	<i>Status</i>
Lower Slievenacloy Road	Programmed
Bog Road	Programmed
Scotstown Road	Programmed
Tullynewbank Road	Programmed
Crewe Hill	Programmed

<i>Scheme</i>	<i>Status</i>
Crewe Park Road	Programmed
Belshaws Road	Programmed
Irwinstown Lane	Programmed
Old Moira Road	Programmed
Brackenhill Road	Programmed
Yewtree Hill Road	Programmed
Hillhead Road	Programmed
Legatarriff Road	Programmed
Ballypitmave Road	Programmed
Old Park Road	Programmed
Moss Road	Programmed
Ballymagarick Road	Programmed
Mill Road	Programmed
Mealough Road	Programmed
Back Road Drumbo	Programmed
Upper Mealough Road	Programmed
Gardeners Road	Programmed
Mullaghdrin East	Programmed
Carricknaveagh Road	Programmed
Pattersons Road	Programmed
St Johns Road	Programmed
Tullyard Road	Programmed
Ballyworphy Road	Programmed
Bresagh Road	Programmed
Cluntagh Road	Programmed
Ballynahinch Road B177	Programmed

<i>Scheme</i>	<i>Status</i>
Lakelands Road	Programmed
Springmount Road	Programmed
Begney Road	Programmed
Croft Road	Programmed
Balliesmills Road	Programmed
Ballymullan Road	Programmed
Lakeland Road	Programmed

5.4 DRAINAGE

2015/16 Works Completed

<i>Scheme</i>	<i>Status</i>
Pond Park Road/Pond Park Road East, Lisburn	Completed
49 Creevy Road	Completed*
Drumview Road	Completed*
Lough Erne Road	Completed*
Union Bridge, Lisburn	Completed*
Ballymacash Road at Nettlehill Road, Lisburn	Completed*
Comber Road, Carryduff at Re-Cycling Centre	Completed*
Saintfield Road near Temple	Completed*
A24 Carryduff Road near Temple	Completed*
Crewe Road	Completed*
Lissue Road /Moirra Road	Completed*
Ballylintagh Road	Completed*
Carricknaveagh Road	Completed*
Limehill Road	Completed*

<i>Scheme</i>	<i>Status</i>
171 Ballynahinch Road	Programmed
Gulf Road Hillsborough	Completed*
Glen Road Hillsborough	Completed*
Lakeland Road	Completed*
Edentrillick Hill	Completed*
Dundrum Road	Completed*

*additional to programme

DRAINAGE

2016/17 Programme of Works

<i>Scheme</i>	<i>Status</i>
42 Gransha Road	Programmed
Bells Lane at Lambeg Road	Programmed
171 Ballynahinch Road	Programmed
49 Magheraconluce Road	Programmed
115 Drumlough Road	Programmed
130 Saintfield Road	Programmed
149 Longstone Street	Programmed
Smithfield Street	Programmed

5.5 VERGE STRENGTHENING SCHEMES 2015/16 Works Completed

<i>Scheme</i>	<i>Status</i>
Temple Road Ballinderry	Completed*
Tornagrough Road	Completed*
Soldierstown Road	Completed*

<i>Scheme</i>	<i>Status</i>
Glenside Road	Carried forward to 16/17
Moir Road	Carried forward to 16/17
63 Ballinderry Road	Completed*
Crumlin Road	Completed*
Tullynewbank Road opposite Burn Lane	Completed*

*additional to programme

VERGE STRENGTHENING SCHEMES 2016/17 Programme of Works

<i>Scheme</i>	<i>Status</i>
Moir Road	Programmed
Ballynahinch Road Dromara	Programmed
Church Road	Programmed

5.6 CARRAIGEWAY REFERBISHMENT 2015/16 Works Completed

<i>Scheme</i>	<i>Status</i>
Lower Ballinderry Road	Completed*
Front Road	Completed*
Mealough Road	Completed*
Ballynahinch Road	Completed*
Glenside Road	Completed*
Glebe Road	Completed*
Oagles Road	Completed*

*additional to programme

CARRAIGEWAY REFERBISHMENT 2016/17 Programme of Works

Scheme	Status
Main Street Moira	Programmed
Killynure Road	Programmed

5.7 LIAISON WITH UTILITIES

2015/16 Works Completed

Scheme	Status
NORTHERN IRELAND WATER	
Sewer Upgrade – Antrim Road, Antrim Street, Linenhall Street	Ongoing
Foul/Storm lines – Knockbracken Road, Ballygowan Road, Gransha Road	Programmed
Storm Separation scheme – Moneyrea Village	Programmed
Mains Upgrade – Dromara Main Street	Programmed
Mains Upgrade – Lisburn Street, Lisburn Road, Hillsborough	Programmed
Mains Upgrade – Temple Crossroads.	Programmed
Service connection for new customers may occur	Ongoing
PHOENIX GAS	
Service connection for new customers may occur	Ongoing
FIRMUS GAS	
Service Connection For New Customers	Ongoing
VIRGIN MEDIA	
Service connection for new customers may occur	Ongoing
New Service connections Old Warren + Knockmore Road area	Programmed
CABLE & WIRELESS	
Service connection for new customers may occur	Ongoing
POWER NI	
Scheme	Status

New supply Ulster Hospital– Upper Newtownards Road “Comber Road to Ulster Hospital”	Programmed
Service connection for new customers may occur	Ongoing
BT	
Service connection for new customers may occur	Ongoing

LIAISON WITH UTILITIES

2016/17 Programme of Works

Scheme	Status
NORTHERN IRELAND WATER	
Sewer Upgrade – Antrim Road, Antrim Street, Linenhall Street	Ongoing
Mains Upgrade – Dromara Main Street	Programmed
Mains Upgrade – Lisburn Street, Lisburn Road, Hillsborough	Ongoing
Mains Upgrade - Queensway	Programmed
Mains Upgrade – Lambeg Road	Ongoing
Mains Upgrade – Station Road	Programmed
Mains Upgrade – The Cutts	Programmed
Mains Upgrade Church Road Dundonald	Programmed
Mains Upgrade – Robbs Road Dundonald	Programmed
Service connection for new customers may occur	Ongoing
PHOENIX GAS	
New Gas Main – Moneybroom Road, Ballinderry Road, Cross Lane, Dagger Road, Gravelhill Road, Kesh Road, Trench Road, Moira Road, Old Coach Road, Dromara Road, Drumlough Road, Magheraconluce Road, Cargygray Road.	Ongoing
Service connection for new customers may occur	Ongoing
VIRGIN MEDIA	
New service – Old Warren Estate	Ongoing
Scheme	Status
Service connection for new customers may occur	Ongoing

CABLE & WIRELESS	
Service connection for new customers may occur	Ongoing
POWER NI	
New Supply for Ulster Hospital – East Link, Old Dundonald Road, Kings Road	Ongoing
New supply for Solar Farm – Brokerstown Road, Glenavy Road, Lough Road, A26 Glenavy Road	Ongoing
Upgrade of Cable – Ballinderry Road	Ongoing
Service connection for new customers may occur	
BT	
Service connection for new customers may occur	Ongoing

6.0 NETWORK PLANNING

Principal Engineer – Lionel Walsh (90253060) lionel.walsh@infrastructure-ni.gov.uk

He is supported by the following staff:

Development Control Team 1 – Sid Stevenson (9025 3588)

sid.stevenson@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 (9025 3151)

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 – Gordon Noble (9025 3154)

gordon.noble@infrastructure-ni.gov.uk

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



6.1 ADOPTIONS

Adoptions completed from last Spring report

Location	Length Adopted (M)
Church Square, Lisburn	Junction Ballymacoss Avenue – end: 94m of traditional carriageway, associated footways and turning head + 1m ² at base of street light.
Crossbill Place, Lisburn	Turning Head: 100m ² of additional carriageway, 118m ² of communal parking area and 51 m of additional footway.
Drumard Crescent, Lisburn	71 linear metres of remote footway (from the rear of house no. 31 to the front of house no. 33 and from the side of house no. 37 to the front of house no.38)
East Link Road, Dundonald	7.6m of bellmouth entrance carriageway with associated footways.
Gowan Meadows, Drumbeg	200m of shared surface carriageway.
Gracefield Manor, Ballynahinch Road	40m of traditional carriageway (first 10m in asphalt), 90m shared surface (bitmac), 78m remote asphalt footway (18m in bitmac), 48m grass verge and 41m of block paving.
Knockbracken Road South, Carryduff	Junction Saintfield Road – old entrance, LH side of access: 54m of widened footway/sightline.
Lady Wallace (Thaxton Village)	Lady Wallace Avenue (frontage – Pond Park Road – End): 183m of footway (North side) + 355m ² of grass verge/sightline provision. Lady Wallace Avenue (No 1 – No 33): 131 m of traditional carriageway and associated footways. Lady Wallace Crescent (junction Lady Wallace Avenue – End): 146m of traditional Carriageway, associated footways and turning head). Lady Wallace Road (junction roundabout Prince William Road – No 30): 378m of traditional carriageway, associated footways and 152m ² of grass verge. Lady Wallace Forge (junction Lady Wallace Road – No 9): 65m of traditional carriageway and associated footway (North Side) + 50m ² of lay-by parking. Lady Wallace Way (junction Lady Wallace Road – No 9): 35m of traditional carriageway and footway (North side). Lady Wallace Gardens (junction Lady Wallace Gardens - End): 245m of traditional carriageway, associated footways, turning head and 50m ² of communal parking at turning head. Lady Wallace Gardens (No 30 – junction at gable No 58): 38 m of shared surface carriageway and associated service strips.
Millreagh, Dundonald	Carrowreagh Road: 130 linear metres of widened carriageway with 124 linear metres of new footway and grass verge each side of new road entrance. Millreagh: 12 linear metres of traditional carriageway with footways forming 'Bellmouth' entrance to new development.
Old Church Place, Lisburn (Enforcement Site)	Ballymacash Road – end: 60m of traditional carriageway, associated footways and turning head.
Old Church Square, Dundonald	Junction Grahamsbridge Road – end: 42m of traditional carriageway, associated footways and turning head. 53m of shared surface carriageway, 0.5m of overriding strip (hard surface) and turning head.
Stanley Court, Aghalee	66m of traditional carriageway (bitmac) with associated footway (asphalt). 30m new footway (asphalt).

<i>Location</i>	<i>Length Adopted (M)</i>
Woodvale Green, Dromara (Enforcement Site)	84 Woodvale to end: 401m traditional carriageway, associated footways and turning head. 168m ² of communal parking.

6.2 PLANNING APPLICATIONS

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