

NORTHERN DIVISION

Annual Report 2017/2018

to

Mid & East Antrim Borough Council



Lisnasoo Junction



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Foreword

The Mayor, Aldermen and Councillors, Mid & East Antrim Borough Council.

I have pleasure in submitting my third Annual Report on DfI Roads work in the Mid & East Antrim Borough Council area.

Northern Division covers the three Council areas shown on page 4 of this report. It is one of four Divisions, each of which manages the road network, commissions new works, and is the contact point for road users and public representatives.

This report deals with works completed in the Mid & East Antrim Borough Council area during the year 2016/2017 and sets out our initial proposals for schemes to be undertaken in the year 2017/2018.

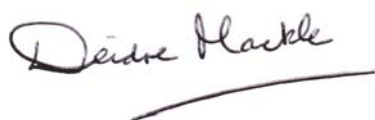
Funding is allocated to the Division under two categories, Capital funding for new works, or infrastructure renewals, and Resource funding for the day to day maintenance of our assets. On the capital side the Division is taking forward important major schemes. This report includes details of work we are undertaking on these schemes which affect your council area. Other local capital schemes and transport and safety schemes will also be progressed or delivered in the year.

Whilst there are some capital pressures, 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. During the year the Department will also continue to highlight the need for further capital funding for structural maintenance to maintain the integrity of the road network.

On the resource side, following the budget settlement outlined by the Secretary of State in April, it is likely there will be knock on impacts for services, including routine maintenance of the road network. In this area, the Department is likely to be reliant on additional resources becoming available.

However, the Department's objective is to continue to deliver routine road maintenance services at the current level for as long as possible. While services will be constrained, we are planning to meet all essential public safety requirements. We understand the implications of the limited service and its long term impacts on the network. We will do our best to deliver routine maintenance services with the indicative allocated budget. A limited service related to gully cleaning, road marking and street light repairs, road and footway patching, grass cutting and the maintenance of traffic signals will be provided. As is always the case, the budget remains under ongoing review throughout the year. Our Request/Enquiry forms can be used to raise local issues with the Department, or deal with matters that are not directly related to my report. To improve the efficiency of the services that we deliver, over the last year we have implemented on-line fault reporting for a full range of roads related issues through NI Direct. I would encourage Councillors to avail of this facility on NI Direct. Of course, my operational staff are also available to do their best to assist with queries.

I hope that you find this report informative. TransportNI values constructive comment on all its activities, and Cathal Brown the Network Planning Manager, along with Clive Robinson, Section Engineer, look forward to meeting the Council.



Deidre Mackle

Northern Division

Mid & East Antrim Borough Council
DfI Roads Report - Spring 2017

Northern Division is one of four Client Divisions within DfI. It spans the local Council areas of Antrim & Newtownabbey, Causeway Coast & Glens and Mid & East Antrim (see map below).



In Northern Division we are responsible for approximately 5,853Km (3,635 miles) of public road and 2,636Km of footway together with 1,328 bridges and 10 park and ride/share sites. We carry out functions under the headings:-

- Strategic Road Improvements – Road Improvement Schemes greater than £1.5Million on the strategic road network
- Network Maintenance – Maintenance of Roads and Structures
- Network Development - Street Lighting and Road Improvement Schemes up to £1.5Million
- Network Planning - Development Control and Area Plans

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Northern Division - Senior Management Structure



Deidre Mackle
Divisional Manager

DfI Roads wishes to build upon the good working relationships it has with Council Members and Officers. The Senior Management Team are listed below, however day to day matters should be raised with the relevant Senior Engineers whose details are listed at the start of each section.



Dawson Wray
Colin Hutchinson
Strategic Road Improvements Managers
Major works schemes; Management of consultants;
Large minor works schemes; Lands



Gary Quinn
Network Maintenance Manager
Road maintenance operations; Section Offices; Inspections, Road maintenance standards, Utility street works; Winter service; Structural maintenance planning and programming; Estimates and allocations for all operation & maintenance functional activities

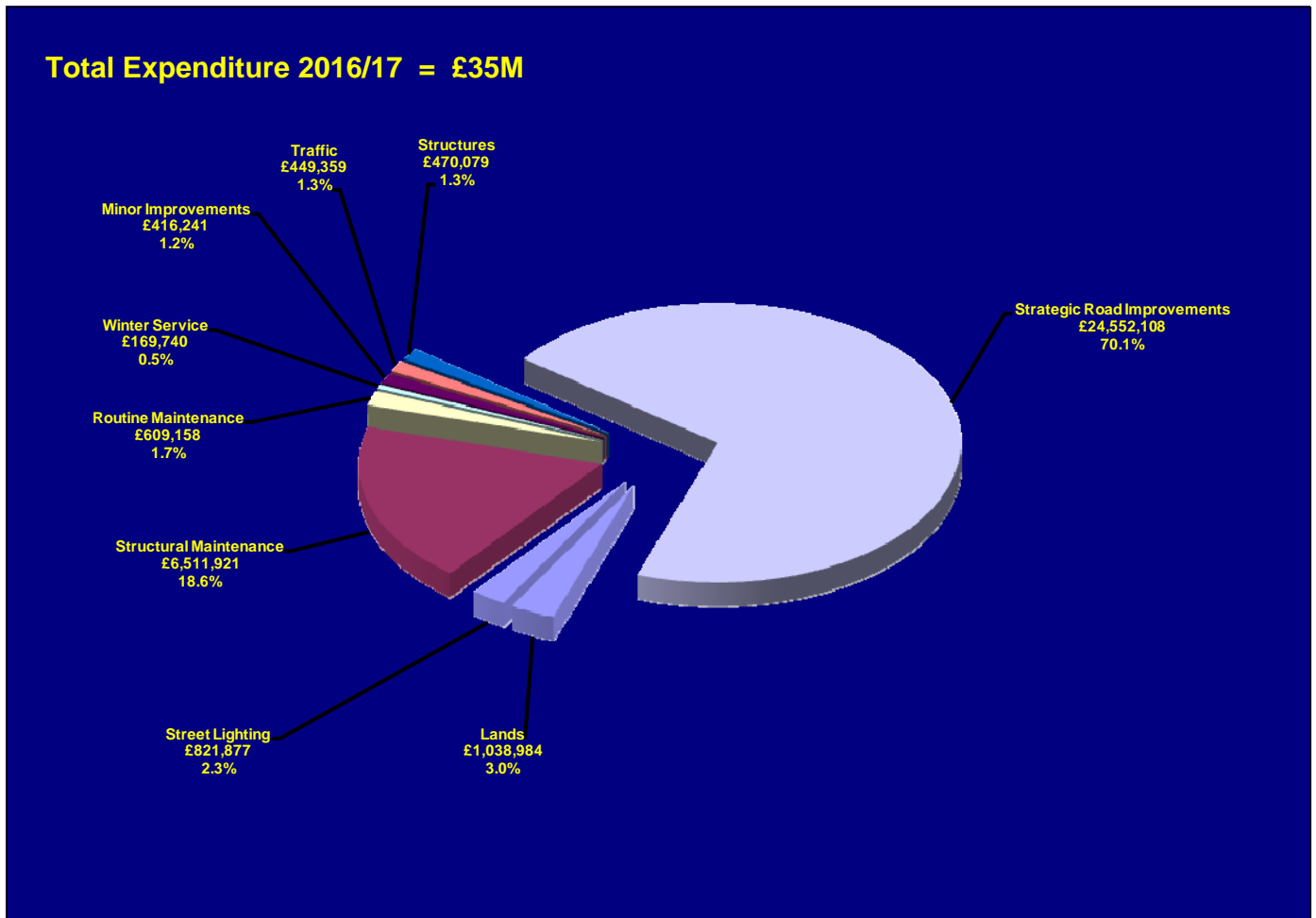


Alan Keys
Network Development Manager
Minor Improvement schemes; Traffic management; Street lighting capital & maintenance; Estimates and allocations for local transport & safety measures; Car parking



Cathal Brown
Network Planning Manager
Development Control; Private Streets; Area Plans; Forward Planning; Highway structures

Mid and East Antrim Borough Council 2016/17 Expenditure Profile



Structural Maintenance - Resurfacing, Surface Dressing, Patching and Drainage

Routine Maintenance - Grass cutting, Environmental Work, Gully Emptying, Embankment/Verge Maintenance, Fencing and Car Parks

Winter Service - Gritting, Snow Clearance

Street Lighting - Lighting Provision, Maintenance and Energy

Traffic - Collision Remedial, Traffic Management, Traffic Calming and Transportation

Network Development - Minor Improvements and Safety Barriers Structures - Bridge Maintenance and Bridge Strengthening

Strategic Road Improvements - Major Improvements to Key Transport Links Lands -Acquisition of land for road schemes

SECTION 1

STRATEGIC ROAD IMPROVEMENTS

Strategic Road Improvements Managers: Dawson Wray & Colin Hutchinson

They are supported by the following staff



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1.1 Scheme Development Overview

The current programme of **Strategic Road Improvements (SRIs)** to improve transportation links in Northern Ireland has evolved over the last decade or so. The key documents and strategies guiding this programme are:

- The White Paper “A New Deal for Transport: Better for Everyone” published 1998.
- “Moving Forward”: Northern Ireland Transport Policy Statement published 1998.
- “Regional Development Strategy for Northern Ireland 2025” published 2002.
- “Regional Transportation Strategy for Northern Ireland 2002-2012” published 2002.
- “Regional Strategic Transport Network Transport Plan 2015” published 2005.
- “Expanding the Strategic Road Improvement Programme” - published in 2006.
- “Sub-Regional Transport Plan” – published 2007.
- “Investment Delivery Plan (IDP) for Roads” - published April 2008.
- “Regional Development Strategy 2035” published 2012.
- “Ensuring a Sustainable Transport Future - A new approach to Regional Transportation” - published 2012.
- “Investment Strategy for Northern Ireland 2011-2021” - published 2012.
- “RDS 2035 - Ensuring a sustainable future – New approach to Regional Transportation”.
- “Northern Ireland Change Gear – A Bicycle Strategy for Northern Ireland” – published August 2015.
- “A Fresh Start – The Stormont Agreement and Implementation Plan” - published in 2015.
- “Exercise Explore Enjoy – A Strategic Plan for Greenways – published November 2016.

DfI Roads carries out a **comprehensive appraisal of each SRI proposal**. The appraisal procedure requires a clear understanding of the objectives which are to be met, and appropriate criteria to be used, to decide whether a proposal meets them. The **Government’s five objectives for transport** are pivotal to the appraisal process:

- **Environmental impact** involves reducing the direct and indirect impacts of transport facilities on the environment of both users and non-users. There are 10 sub-objectives including noise, atmospheric pollution of differing kinds, impacts on countryside, wildlife, ancient monuments and historic buildings.
- **Safety** is concerned with reducing the loss of life, injuries and damage to property resulting from transport incidents and crime. There are 2 sub-objectives: reduce accidents and improve security.
- **Economy** is concerned with improving the economic efficiency of transport. There are 5 sub-objectives: improve economic efficiency for consumers and for business users and providers of transport, improve reliability and the wider economic impacts, and get good value for money in relation to impacts on public accounts.
- **Accessibility** is concerned with the ability with which people can reach different locations and facilities by different modes.
- **Integration** aims to ensure that all decisions are taken in the context of the Government’s integrated transport policy.

There is tension between these objectives, such that proposals may contribute to the achievement of one objective, but work against the achievement of others. The appraisal procedure must allow determination of an appropriate balance between the five objectives.

1.1 Scheme Development Overview (Cont.)

Appraisals are reported in **Scheme Assessment Reports (SARs)** which describe the advantages and disadvantages of the proposed scheme. Scheme assessment reporting is a three stage procedure: the level of detail and the coverage of the assessment is appropriate to the type of decision that can reasonably be taken at each stage.

- **Stage 1** – identify the environmental, engineering, economic and traffic advantages, disadvantages and constraints associated with broadly defined improvement strategies. This concludes in the selection of a number of potential route corridors or scheme options.
- **Stage 2** – identify the factors to be taken into account in choosing alternative routes or improvement schemes and to identify the environmental, engineering, economic and traffic advantages, disadvantages and constraints associated with those routes or schemes. This concludes in the selection of a preferred route or scheme option.
- **Stage 3** – identify clearly the advantages and disadvantages, environmental, engineering, economic and traffic terms of the preferred route option. A particular requirement at this stage is an assessment of the significant environmental effects of the project in accordance with the requirements of Article 67A(3) of The Roads (Northern Ireland) Order 1993, implementing EC Directive 2011/92/EU.

Where appropriate, each assessment stage includes a proportionate effort land-use assessment examining the effects on agriculture including (i) land-take (ii) type of husbandry (iii) severance and major accommodation works for access, water supply and drainage etc.

Strategic Road Improvement schemes wholly or partly within Northern Division

Located on the Northern Corridor (connecting Belfast to Londonderry via Antrim, Ballymena, Ballymoney, Coleraine and Limavady and on to Donegal):

- dualling of the A26 Frosses Road from Glarryford crossroads at the northern end of the existing Crankill dual carriageway to the Drones Road junction (under construction).
- dualling of the A26 Newbridge Road from the Portrush Road Roundabout at Ballymoney to the Wattstown Roundabout at Coleraine (an IDP for Roads Forward Planning Schedule scheme). No development work has been carried out on this scheme so far.

Located on the North Western Corridor (connecting Belfast to Londonderry via Antrim, Toome, Castledawson and Dungiven and on to Donegal):

- a dual carriageway between Randalstown and Castledawson (an IDP for Roads Preparation Pool scheme).
- a dual carriageway between Derry~Londonderry and Dungiven, including a dual carriageway bypass of Dungiven (an IDP for Roads Preparation Pool scheme).

1.2 A26 Frosses Dualling

(Being dealt with by Billy Miller)

Joint Venture contractor BAM McCann began construction of the 8 kilometre dual carriageway along the A26 Frosses Road between Glarryford Crossroads and Drones Road, in January 2015.

Progress Report

Work has been progressing well on the scheme, including:

- Construction of this scheme has progressed significantly, with approximately 95% of the works complete;
- All earthworks are complete;
- Work is also well advanced on all the major structures along the route, with all but one now open to traffic;
- All utility diversions are now complete; and
- Laying of the finished surface course is 80% complete.



Lisnasoo Junction facing North

This new dual carriageway which is expected to be open to traffic ahead of programme in June 2017, will improve both journey times and journey time reliability for this stretch of the A26, thus reducing driver frustration and improving the safety performance of the route for all road users.

transportni

A26 DUALLING: GLARRYFORD TO A44 DRONES ROAD

Contractor: BAM McCann joint Venture
Length of Scheme: 7.8 km
Cost: £55 million
Work Commences: Spring 2015
Completion: Summer 2017

Emergency Tel. No.
Please drive carefully

TransportNI apologises for any inconvenience

Department for Regional Development
www.drni.gov.uk

ARUP

bam MC
BAM McCann JV

For more information visit: www.drni.gov.uk/A26Frosses

SECTION 2

NETWORK MAINTENANCE

Network Maintenance Manager: Gary Quinn

He is supported by



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Explanation of Maintenance Operations

Resurfacing and Strengthening

- Roads deteriorate due to the impact of traffic, age and weathering. Traffic causes rutting in the wheel tracks or polishes and wears the stone reducing the skid resistance. With age the bitumen becomes brittle and the surface becomes less flexible and cracking occurs allows ingress of water which along with frost action causes potholes to form. This deterioration is exacerbated if the road sub base is inadequate.
- Road pavements are normally designed for an operational life of 20 years. During this period and beyond, there is a need for the highway authority to intervene at times to either treat or replace the top course of bituminous material known as the “wearing course” or to provide additional depth to maintain the strength of the pavement and extend its life.
- Resurfacing is the application of one or two layers of mixed material which has an expected life of 7-12 years (which can be extended by subsequent surface dressing) whereas Asphalt has an expected life of 15-20 years but costs more. Wearing course Bitmac is usually laid in a minimum 40 mm thick layer to seal it against the ingress of water, and improves skidding resistance and riding quality. When strengthening of the pavement is required a further layer of courser mixed material is laid usually minimum 60mm thick below the wearing course. The thicker this layer, the more strength provided.
- Resurfacing of existing roads can usually be carried out by overlaying on top of the existing wearing course but where kerb levels or bridge heights are restricted the existing surface may need to be removed by planing.

Surface Dressing

This process involves spraying a bitumen emulsion binder onto the existing road surface, followed by a layer of stone chippings, which is then rolled. It has three main purposes:-

- to improve skidding resistance of the surface
- to seal the road surface against ingress of water
- to prevent deterioration.

Slurry Sealing

This process provides similar benefits to traditional 'surface dressing'. However, it has some superior characteristics e.g., has a fast setting time and generally has no loose chippings resulting from the process. It is more expensive than surface dressing and is normally confined to urban areas.

Micro Surfacing

This material is a cold applied bituminous material similar to slurry sealing with a relatively fast setting time. However it is designed for more demanding locations, uses larger aggregates with a high quality binder, and can be laid in two courses up to a total thickness of 20mm to allow limited surface re-shaping. Its main benefits, as with slurry sealing, are that it can be laid quickly with minimal preparatory work thereby reducing traffic disruption. It is suitable for busy urban roads as the new surface can be trafficked within 15 to 20 minutes.

Explanation of Maintenance Operations (cont.)

Drainage Works

The quick and effective drainage of surface water from the carriageway contributes significantly to the safety of the road. Improvement works carried out include the upgrading of the existing drainage facilities to ensure effective dispersal of surface water and prevent as far as possible the occurrence of standing water or flooding of the road. In many cases the provision of new drainage facilities have to be undertaken including the installation of road gullies, pipes and manholes.

Grass Cutting

Grass cutting is carried out for road safety reasons rather than for amenity purposes. Grass cutting policy allows for routine cutting of 1 swathe width (approximately 1.2m) twice a year in rural areas and in urban areas, five times a year across the full verge width. Areas of verge for sight lines are cut more frequently as required. In some designated urban areas local Councils carry out grass cutting to amenity standards and TransportNI make an appropriate contribution to the cost.

Gully Emptying

Drainage gullies in urban areas are cleaned twice per year and in rural areas once per year. Open outlets are also cleaned once per year. At times, the accumulation of leaves and litter can reduce the effectiveness of gullies and outlets causing local flooding. In such occurrences additional responsive cleaning is carried out.

Emergency Assistance

We have a call centre to deal with emergency calls outside normal office hours. Appropriate personnel can be called upon to deal with emergencies such as flooding on roads, obstructions such as fallen trees, and clearing up after road traffic accidents.

The emergency telephone number is (028) 703 53202.

Resurfacing Completed 2016/2017

Route No.	Road Name / Location	Length (m)
A42	Main Street, Portglenone (Boundary to Townhill Road).	430
A42	Galgorm Road, Ballymena (Galgorm RAB to Sourhill Road).	790
A42	Ballynafie Road, Portglenone (Largy Road to Aughnahoy Road).	1130
A43	Glenravel Road, Cargan (Glensbrae Road to Gortnageeragh Road) .	2220
B52	Largy Road Portglenone, (Aughnahoy Road to Carnearney Road)	1550
B53	Kilgad Road, Kells (Tully Road to Moorfields Road).	2860
B94	Rathkeel Road, Broughshane (Deerfin Road to Church Road).	2410
B96	Hiltonstown Road, Portglenone (Crawfordstown Road to Lisnahunshin Road)	1990
C37	Lower Ballyboley Road, Ballyclare (Moss Road to Lismenary Road).	3100
C47	Cromkill Road, Ballymena (Lisnevenagh Road to Ballee Road West).	1200
C111	Woodburn Road, Carrickfergus (Knockagh Road to new surface).	1300
U2204	Ballymoney Road, Ballymena (Pentagon to Fountain Place).	210
U3105	Coronation Crescent , Clogh (Coronation Road S to N).	200
U3107	Slemish Heights, Carrickfergus (Prospect Heights to Collin Heights).	290
U3111	Carrickburn Road, Carrickfergus (A2 Larne Road to CH 300).	300
U3111	Dromore Road, Carrickfergus (Regent Ave to Downshire Gardens).	250
U3113	Edenvale Avenue, Carrickfergus (A2 Larne Road to CH 200).	200
U4031	Deerpark Road, Larne (Shaneshill Road to Drumahoe Road).	2000
U4033	Deerpark Road, Larne (Shaneshill Road to Lower Ballyboley Road).	1950

Resurfacing Completed	24.38km
At a cost of	£1,950,000

Completed Resurfacing Schemes 2016/2017



B53 Kilgad Road, Kells
2.86kms of Asphalt Surfacing
costing £238,000.



C37 Lower Ballyboley Road, Ballyclare
3.1kms of Bitmac Surfacing costing
£236,000.



U4031 Deerpark Road, Larne
3.95kms of Asphalt Surfacing
costing £291,000.

A42 Galgorm Road, Ballymena
790 metres of Asphalt Surfacing
costing £300,000.



Proposed Resurfacing 2017/2018

Route No.	Road Name / Location	Length (m)
A43	Main Street, Cargan (Gortnageeragh Road to new surface).	600
B59	Tully Road, Kells (Moorfields Road to Ross Lane).	2530
B100	Ballyrickard Road, Larne (Mounthill Road to Waterfall Road).	2380
C60	Ballymoney Street, Ballymena (Broadway to Parkway).	204
U2200	Church Street, Ballymena (Broughshane Street to Castle Street).	310
U2200	Bridge Street, Ballymena (Castle Street to Larne Road Link).	92
U2204	Wellington Street, Ballymena (Mill Street to Ballymoney Street).	264
U2222	Doury Road Estate, Ballymena .	1240
U2225	Brooke Park, Ballymena (Wakehurst Road to Dead-End).	240
U2260	Ambleside, Cullybackey (Shellinghill Road to Dead-end).	155
U3131	Woodburn Avenue, Carrickfergus (SL 9 to Oakwood Road).	390
U4085	Main Street, Larne (Old Glenarm Road to High Street).	595
U4085	High Street, Larne (Pound Street to Dunluce Street).	146

Resurfacing Proposed 9.15km
At a cost of £860,000

Rural Roads Initiative Resurfacing 2016/2017

Rural Roads Initiative

Over recent years funding pressures have required the Department to significantly reduce its road maintenance activities. Resources, by necessity, were concentrated on more heavily trafficked urban and rural roads. That meant that more roads did not receive the same level of maintenance that they would have been given in previous years.

In June last year the Department announced a Rural Road Initiative to invest £10m in the rural road network. The objective of the initiative was to target short sections of the lower trafficked rural road network in greatest need of repair - sections that would otherwise not have attracted maintenance funding.

Section Engineers developed a programme of highest priority locations and deployed contractors to carry out the work. The list below details the locations in Mid & East Antrim that benefitted from this initiative:

Route No.	Road Name / Location	Length (m)
B64	Duneany Road, Cullybackey.	300
B93	Bellaghy Road, Glarryford.	260
B100	Ballyrickard Road, Larne.	495
C43	Parkgate Road, Connor.	450
C57	Ballywatermoy Road, Cullybackey.	170
C57	Killagan Road, Glarryford.	139
C57	Tullygrawley Road, Cullybackey.	546
C68	Tullymore Road, Broughshane.	500
C106	Old Cushendun Road, Ballymena.	550
U2126	Longmore Road, Broughshane.	400
U2004	Lovers Lane, Portglenone.	300
U2006	Maboy Road, Cullybackey.	390
U2007	Grannystown Road, Portglenone.	420
U2020	Kildowney Road, Cullybackey.	510
U2021	Cladytown Road, Glarryford.	250
U2022	Dromona Road, Cullybackey.	602
U2119	Kilnacolpagh Road, Carnalbanagh.	910
U2028	Old Cullybackey Road, Cullybackey.	378
U2037	Craignageeragh Road, Ahoghill.	448

Rural Roads Initiative Resurfacing 2016/2017 (Continued)

Route No.	Road Name / Location	Length (m)
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U2027	Sand Road, Galgorm (pictured above left).	480
U2001	Gortgole Road, Portglenone (pictured above right).	314
U2130	Knowehead Road, Broughshane.	350
U2128	Elginney Road, Broughshane.	430
U2137	Lisnacrogher Road, Clough.	550
U2148	Tullyreagh Road, Broughshane.	120
U2150	Donbought Road, Clough.	175
U2173	Old Frosses Road, Glarryford.	1130
U2215	Racavan Road, Broughshane.	460
U3006	Dairylands Road, Carrickfergus.	630
U4040	Ballybracken Road, Larne.	31
U4041	Ballygowan Road, Larne.	103
U4047	Browndod Road, Larne.	103
U4051	Ballyvernstown Road, Larne.	320
U4063	Ballylig Road, Larne.	80

Rural Roads Initiative Resurfacing 2016/2017 (Continued)

Route No.	Road Name / Location	Length (m)
U2043	Ballybeg Road, Portglenone.	320
U2048	Aughnahoy Road, Portglenone.	258
U2052	Culnafay Road, Portglenone.	382
U2054	Grange Road, Portglenone.	450
U2065	Cloney Road, Portglenone.	447
U2067	Ballylummin Road, Ahoghill.	420
U2070	Straid Road, Gracehill.	530
U2081	Kellswater Road, Kells.	345
U2082	Island Road, Kells.	86
U2083	Tullynamullan Road, Kells.	92
U2084	Ballymacvea Road, Kells.	450
U2085	Shankbridge Road, Kells.	650
U2088	Grove Road, Kells.	450
U2089	Craigstown Lane, Kells.	350
U2089	Craigstown Road, Kells.	330
U2091	Byrestown Road, Kells.	620
U2101	Ballynulto Road, Broughshane.	340
U2106	Glenhead Road, Moorfields.	230
U2109	Ballygelly Road, Broughshane.	280
U2116	Carnlabanagh Road, Carnalbanagh.	730

RRI Resurfacing Completed 21.05km
At a cost of £950,000

Completed Footway Resurfacing 2016/2017

Route No.	Road Name/Location	Length (m)
A8	Harbour Highway, Larne Harbour Roundabout to Ramp Road.	1050
U2205	Pineridge, Ballymena Grove Road to Dead-end.	940
U2207	Deramore Crescent, Ballymena.	500
U2207	Brigadie Estate, Ballymena.	2600
U2222	Doury Road Estate, Ballymena.	1600
U2230	Crosshill View, Kells, Entire Estate.	752
U2255	Lismurn Park, Ahoghill, Entire Estate.	1500
U2296	Sunview Park, Cargan.	160
U3105	Coronation Road, Carrickfergus Elizabeth Avenue to Victoria Road.	400
U3105	Alexandra Place, Carrickfergus Coronation Road to dead-end.	100
U3107	Slemish Heights, Carrickfergus Prospect Heights to Collin Heights.	170
U3126	Silverstream Banks, Carrickfergus Shore Road to dead-end.	70
F2205	Murob Park, Ballymena	1090
F2230	Glenaan Park, Kells.	490
F2252	Sandmount Park, Ballymena Sand Road to dead-end.	630
F2260	Oaklands, Cullybackey.	450
F2260	Fendale Park, Cullybackey	600
F2285	Coronation Park, Clough.	200
F3015	Macroom Gardens, Carrickfergus North Road to dead-end.	585
F3015	Queen's Square, Carrickfergus Coronation Road to dead-end.	90
F3111	Lennox Avenue, Carrickfergus Dromore Road to Regent Ave.	580
F3120	Moyard Gardens, Greenisland.	350
F3111	Carrickburn Road, A2 Larne Road to No.13.	555
F3121	Longfield Gardens, Greenisland.	350

Footway resurfacing completed 15.81km

At a cost of £536,000

Proposed Footway Resurfacing 2017/2018

Route No.	Road Name/Location	Length (m)
B94	Rathkeel Road, Broughshane.	180
U2222	Doury Road Estate, Ballymena.	700
U4022	Croft Road, Ballygalley Weighburn Road to Cairncastle Road.	500
U4104	Lower Cairncastle Road, Larne The Roddens to Meetinghouse Street.	350
U4106	Victoria Road, Larne Thorndale Avenue to Glenarm Road.	200
U4120	Moyle Gardens, Carnlough Largy Road to dead-end.	250
F3140	Cable Road, Whitehead York Avenue to Victoria Avenue.	94
F3140	York Avenue, Whitehead.	50
F3140	Prince of Wales Avenue, Whitehead.	159
F3140	Balfour Avenue, Whitehead.	382
F3140	Victoria Avenue, Whitehead..	52
F3140	Balmoral Avenue, Whitehead.	66
F3140	Edward Avenue, Whitehead.	37
F3140	Adelaide Avenue, Whitehead.	105
F4085	Riverdale, Larne.	120
F4093	Garron Walk, Larne.	120
F4155	West Street, Ballycarry.	201
Footway resurfacing proposed		3.57Km
At a cost of		£110,000

Completed Surface Dressing 2016/2017

Route No.	Road Name / Location	Length (m)
B97	Munie Road, Glenarm (Lislehill Road to Tully Rd).	2,286
B53	Kilgad Road, Kells (Liminary Rd to Tully Rd).	1,690
B94	Rathkeel Road, Broughshane (Ballynulto Rd to Deerfin Rd)..	2,230
C48	Slaght Road, Ballymena (Toome Rd to Maine Rd).	1,419
C48	Maine Road, Ballymena (Slaght Rd to CH1419).	3,356
C53	Ballybollen Road, Ahoghill (Largy Rd CH25 to Glebe Rd).	2,627
C54	Loughbeg Road, Ballymena (Culnafay Rd to Largy Rd).	2,142
C55	Finlaystown Road, Portglenone (Ballymena Rd to Garvaghy Rd).	1,678
C71	Ballycoose Road, Larne (Sallagh Close to Drumnagreagh Rd).	1,612
C71	Feystown Road, Larne (Ballycoose Rd to Loughdoo Rd).	2,946
C71	Sallagh Road, Larne (Ballymullock Rd to Ballycoose Rd).	3,172
UR9	Gortfad Road, Portglenone (Hiltonstown Rd to Lisnahunshin Rd).	3,341
UR17	Aughaboy Road, Larne (Drumcrow Rd to Mullaghsandall Rd)..	3,176
UR18	Loughdoo Road, Larne (Feystown Rd to Mullaghsandall Rd).	3,173
UR24	Killyglen Road, Larne (Ballymullock Rd to 30mph signs).	1,594
UR38	Garvaghy Road, P'none (Old P'none Rd to Ballyconnelly Rd).	3,327
UR93	Ballylesson Road, Ballymena Lisnevenagh Rd to Liminary Rd).	1,788
UR94	Ballycreggy Road, Ballymena (Liminary Rd to CH1000).	1,000
UR113	Bog Road, Ballymena (Crebilly Rd to Woodside Rd).	1,850
UR136	Carncoagh Road, Ballymena (Cushendall Rd to Knockan Rd).	1,330
UR145	Dernaveagh Rd, Ballymena (Loughmagarry Rd to Cloughwater Rd).	2,595
UR149	Ballyreagh Road, Ballymena (Doury Rd to Cloughwater Rd).	1,790
UR171	Lislaban Road, Ballymena (Ballycregagh Rd to Tullykittagh Rd).	3,146

Completed Surface Dressing 53.27 km

At a cost of £300,000

Proposed Surface Dressing 2017/2018

Route No.	Road Name / Location	Length (m)
B93	Hillmount Road, Cullybackey (Dunminning Road to Craigs Road).	1808
C57	Ballywatermoy Road, Cullybackey (Cladytown Road to Dunminning	2332
C57	Tullygrawley Road, Cullybackey (Ballymoney Road to Fenagh Road).	1281
C57	Tullygrawley Road, Cullybackey (Fenagh Road to Cladytown Road).	2381
C57	Bridge Road, Ballymena (Killagan Road to Bellaghy Road).	3034
C58	Duneoin Road, Cullybackey (Lisnahunsion Road to Craigs Road).	2346
C84	Moneyduff Road, Clogh (Tullykittagh Road to Omerban Road).	1995
C84	Moneyduff Road, Clogh (Omerban Road to Glenleslie Road).	2056
UR27	Teeshan Road, Cullybackey (Old Cullybackey Rd to Tullygrawley Rd).	1918
UR48	Aughnahoy Road, Portglenone (Largy Road to Carmegrim Road).	1184
UR109	Ballygelly Road, Broughshane (Lisnamurrikin Road to Racavan Rd).	1975
UR114	Aghnadore Road, Broughshane (Caherty Road to Rathkeel Road).	1675
UR122	Lisles Hill Road, Broughshane (Carnlough Road to Lough Road).	2223
UR122	Lisles Hill Road, Broughshane (Lough Road to Carnalbanagh Road).	3321
UR129	Elginney Road, Broughshane (Tullymore Road to Cloneytrace Road).	2372
UR155	Brae Road, Broughshane (Glensbrae Road to dead-end).	896
UR155	Carnalbanagh Road, Broughshane (Cashel Road to Racavan Road).	1091
UR156	Knockanully Road, Martinstown (Glenravel Road to Glensbrae Road).	989
UR158	Ballysallagh Road, Cargan (Gortnageeragh Road to dead-end).	1699
Surface Dressing Proposed		36.58km
At a cost of		£200,000

Completed Surface Treatment 2016/2017

Route No.	Road Name/Location	Length (m)
Carriageways		
U2223	Rona Gardens/Stroma Drive, Ballymena.	740
U3105	Brook Avenue, Carrickfergus (Barn Road to dead end).	285
U3105	Macroom Gardens, Carrickfergus (Entire Estate).	400
U3107	Collin Heights, Carrickfergus (Prospect Heights to dead end).	255
U3107	Tardree Heights, Carrickfergus (Collin Heights to dead end).	103
U3107	Sandringham Park, Carrickfergus (Sandringham Heights to dead end).	200
U3126	Silverstream Banks, Carrickfergus (Shore Road to dead end).	40
U4102	Churchill Road, Larne (Linn Road to Upper Cairncastle Road).	490
Footways		
C72	Old Glenarm Road Larne (Branch Road to Ballycraigie Road LHS).	940
F2223	Rona Gardens/Stroma Drive, Ballymena.	890
F3105	Brook Avenue, Carrickfergus (Barn Road to dead end).	560
F3107	Collin Heights, Carrickfergus (Prospect Heights to dead end).	505
F3107	Tardree Heights, Carrickfergus (Collin Heights to dead end).	206
F3107	Sandringham Park, Carrickfergus (Sandringham Heights to dead end).	110
F3111	Dromore Road, Carrickfergus (Regent Avenue to Downshire Gardens).	500
F3113	Edenvale Avenue, Carrickfergus (Larne Road for 210 metres).	210
F4090	Greenland Crescent, Larne (Greenland Crescent to Old Glenarm Rd).	814
F4090	Greenland Gardens, Larne (Greenland Road to dead end).	106
F4090	Greenland Grove, Larne (Greenland Crescent to dead end).	146
F4090	Greenland Crescent, Larne (Greenland Crescent to dead end).	234
F4091	Blackcave Crescent, Larne (Branch Road to dead end).	191
F4092	Wyncairn Road, Larne (Upper Cairncastle Road to dead end).	1184
Surface Treatment Completed		9.28km
At a cost of		£130,000

Proposed Surface Treatment 2017/2018

Route No.	Road Name/Location	Length (m)
Carriageways		
B96	Hiltonstown Road, Portglenone.	1318
UR209	Old Crebilly Road, Ballykeel 1, Ballymena..	50
UR211	Moat Road, Harryville, Ballymena.	180
UR211	Casement Street, Harryville, Ballymena.	170
UR211	Castle Gardens, Harryville, Ballymena.	50
UR211	Edward Street, Harryville, Ballymena.	60
UR211	Francis Street, Harryville, Ballymena.	170
UR260	Kilmakevitt Estate, Cullybackey.	1210
Footways		
U3107	Winslow Park, Carrickfergus (Winslow Heights to Hillview Road).	160
U3107	Hillview Avenue, Carrickfergus (Prospect Road to Dead-end).	260
U3107	Hillview Court, Carrickfergus (Hillview Road to Dead-end).	110
U3107	Hillview Drive, Carrickfergus (Hillview Avenue to Hillview Road).	402
U3107	Hillview Gardens, Carrickfergus (Hillview Road to Dead-end).	180
U3107	Hillview Road, Carrickfergus (Middle Road to Dead-end).	1356
U3107	Henry Road, Carrickfergus (Winslow Park to Middle Road).	800
U3107	Garron Heights, Carrickfergus (Prospect Heights to Dead-end).	150
U3110	Victoria Rise, Carrickfergus (Victoria Road to Dead-end).	1354
U3111	Dromore Road, Carrickfergus (Trailcock Road to Regent Avenue).	535
U3111	Regent Avenue, Carrickfergus (Dromore Road to Bluefield Road).	496
U3111	Selby Road, Carrickfergus (Dromore Road to Bluefield Way).	286
U3111	Bluefield Way, Carrickfergus (Selby Road to Regent Avenue).	159
U3111	Bluefield Road, Carrickfergus (Bluefield Way to Prince Andrew Way).	261
U3111	Bluefield Close, Carrickfergus (Bluefield Road to Dead-end).	140
UR209	Old Crebilly Road, Ballykeel 1, Ballymena.	70

Surface Treatments Proposed 9.9km

At a cost of £180,000

Drainage Work Completed 2016/2017

Route No.	Road Name / Location	Length (lin m) / No. of gullies / manholes
A2	Shore Road, Greenisland.	40 metres of pipe + 2 gullies.
A2	Belfast Road, Larne.	161 metres of pipe + 4 gullies + 1 manhole.
A2	Coast Road, Larne.	30 metres of pipe + 3 gullies.
A2	Larne Road, Carrckfergus.	9 metres of pipe + 1 gully.
A36	Moorfields Road, Ballymena.	18 metres of pipe + 4 gullies.
B53	Kilgad Road, Ballymena.	488 metres of pipe + 25 gullies
B58	New Line, Carrickfergus.	35 metres of pipe + 1 gully + 1 manhole.
B96	Townhill Road, Portglenone.	216 metres of pipe + 5 gullies.
B96	Hiltonstown Road, Portglenone..	15 metres of pipe + 3 gullies.
B90	Upper Road, Carrickfergus.	68 metres of pipe + 1 gully.
B100	Ballyrickard Road, Larne.	680 metres of pipe + 58 gullies.
C37	Lower Ballyboley Road, Larne.	190 metres of pipe + 41 gullies.
C48	Woodgreen Road, Ballymena.	14 metres of pipe + 1 manhole.
C55	Garvaghy Road, Portglenone.	Culvert Replacement.
C58	Duneoin Road, Cullybackey.	114 metres of pipe + 2 gullies +1 manhole.
C66	Lisnamurrigan Road, Ballymena.	127 metres of pipe + 4 gullies .
C70	Deerpark Road, Larne.	40 metres of pipe + 10 gullies.
C70	Drumcrow Road, Larne.	113 metres of pipe + 4 gullies + 1 manhole.
C71	Cairncastle Road, Larne.	330 metres of pipe + 13 gullies.
C75	Carneal Road, Larne.	318 metres of pipe + 13 gullies + 1 manhole.
C111	Woodburn Road, Carrickfergus.	352 metres of pipe + 3 manholes.
UR2	Largy Road, Carnlough.	3 metres of pipe + 1 gully.
UR10	Tullynahinnion Road, Ballymena.	33 metres of pipe + 1 gully + 1 culvert.
UR28	Old Cullybackey Road, Ballymena.	54 metres of pipe + 2 gullies.
UR48	Owenstown Road, Larne.	130 metres of pipe + 8 gullies.
UR79	Browns Bay Road, Larne.	112 metres of pipe + 6 gullies.

Drainage Work Completed (Cont.) 2016/2017

Route No.	Road Name/Location	Length (lin m)/No. of gullies/manholes
UR98	Scottstown Road, Ballymena.	253 metres of pipe + 12 gullies.
U2020	Kildowney Road, Cullybackey.	44 metres + 1 gully.
U2030	Knowehead Road, Broughshane.	80 metres + 2 gullies.
U2231	Rockfield Heights, Ballymena.	26 metres of pipe + 1 gully.
U3004	Liberty Road, Carrickfergus.	6 metres + 1 gully.
U3005	Cairn Road, Carrickfergus.	62 metres of pipe + 3 gullies.
U3013	Acreback Road, Carrickfergus.	20 metres of pipe + 1 gully + 1 manhole.
U3014	Rawbrae Road, Carrickfergus.	150 metres of pipe + 2 manholes.
U3105	Coates Avenue, Carrickfergus.	6 metres + 1 gully.
U3108	Castlemara Drive, Carrickfergus.	8 metres + 1 gully.
U4016	Mullaghsandall Road, Larne.	83 metres of pipe + 3 gullies + 1 manhole.
U4026	Hanna's Road, Larne.	222 metres of pipe + 9 gullies.
U4040	Ballybracken Road, Larne.	95 metres of pipe + 5 gullies.
U4046	Raloo Road, Larne.	250 metres of pipe + 6 gullies.
U4087	Priory Gardens, Larne.	10 metres + 1 gully.
U4095	Fanad Drive, Larne.	16 metres + 1 gully.

Drainage Work Completed at a total cost of £300,000

These details represent schemes completed this year by TransportNI. Further drainage schemes will be delivered up to funding limits as the year progresses.

Proposed Drainage Work 2017/2018

Route No.	Road Name / Location	Length (lin m) / No. of gullies / manholes
C60	Doury Road, Ballymena.	9 metres of pipe + 1 gully.
UR37	Loughmourne Road, Larne.	100 metres of pipe + 4 gullies.
UR55	Tureagh Road, Larne.	70 metres of pipe + 3 gullies.
UR56	Ballyvallagh Road, Larne.	110 metres of pipe + 6 gullies.
U4085	Main Street, Larne (Old Glenarm Road to High Street).	30 gully replacements.

Other drainage schemes will be added as necessary to address road related flooding across the network.

Proposed drainage schemes estimated at £50,000

Completed Major Utility Works 2016/2017

Utility	Road Name / Location	Scheme Details
NI Water	North Road, Carrickfergus.	Rehab Works
NI Water	Station Road, Greenisland.	Rehab Worrks
NI Water	C54 Carnearney Road, Ballymena.	New Watermain
NI Water	Bentra Road, Ballycarry.	Replacement main
NI Water	Ballyhampton Road, Larne.	New Watermain
NI Water	Drumahoe Road, Larne.	New Watermain
NI Water	Old Portglenone Road, Ahoghill.	New Watermain
NI Water	Gortgole Road, Portglenone.	New Watermain
NI Water	Bannview Terrace, Portglenone.	New Watermain
NI Water	Ballynafie Road, Portglenone.	New Watermain
NI Water	Lewis Park, Ballymena.	New Watermain
NI Water	Frys Road, Ballymena.	New Watermain
NI Water	Shetland Gardens, Ballymena.	New Watermain
NI Water	Woodside Road Industrial Estate, Ballymena.	New Watermain
NI Water	Laurel Park, Ahoghill.	New Watermain
NI Water	Hanna's Road, Larne.	New Watermain
NI Water	Beech Drive, Ballymena.	New Watermain
NI Water	Demense Estate, Ballymena.	New Watermain
Firmus Gas	Toome Road \ Carolhill, Ballymena..	New Main
Firmus Gas	Sand Road, Galgorm.	New Main
NIE	Ahoghill Village.	Undergrounding Overhead Cables
NIE	Toome Road to Longmore Road, Broughshane.	New Grid Connection
NIE	Cushendall Road, Ballymena.	Cabling Works

Proposed Major Utility Works 2017/2018

Utility	Road Name / Location	Scheme Details
N I Water	Old Portglenone Road, Ballymena.	New Watermain
N I Water	Glenhugh Road, Ahoghill.	New Watermain
NI Water	Carnearney Road, Ballymena.	New Watermain
NIE	Davy's Street, Carrickfergus.	Upgrade Works
NIE	Irish Quarter South, Carrickfergus.	Upgrade Works
NIE	Woodside Road, Ballymena.	Upgrade Works
NIE	Tully Road, Ballymena.	Upgrade Works
NIE	Craigadoo Road, Ballymena.	Upgrade Works
NIE	Knowehead Road, Broughshane.	Upgrade Works
NIE	Old Grange Avenue, Ballymena.	Upgrade Works
NIE	Shandon Avenue, Ballymena.	Upgrade Works
NIE	Shandon Park, Ballymena.	Upgrade Works
NIE	Old Grange Avenue, Ballymena.	Upgrade Works
NIE	Grange Avenue, Ballymena.	Upgrade Works
NIE	Grange Road, Ballymena.	Upgrade Works
NIE	Grangeleigh Avenue, Ballymena.	Upgrade Works
NIE	Leighmore Avenue, Ballymena.	Upgrade Works
NIE	Leighmore Park, Ballymena.	Upgrade Works
Firmus Gas	Spence Crescent, Cullybackey.	New Main
Firmus Gas	Church Street, Ahoghill.	New Main
Firmus Gas	Cullybackey Road, Ballymena.	New Main
Firmus Gas	Old Cullybackey Road, Ballymena.	New Main

The details above represent the best information available to Roads & Rivers at this time. Service connections for new customers, Emergency & Urgent Works, and Minor Works may also occur.

A2 Coast Road Programme Completed 2016/2017

Type of Work	No. of Sites
Slope Stabilisation Works - Whitehead	1
Sea Defence Repairs - Branch Road to Largy Road, Carnlough.	1
Sea Defence Repairs - Munie Road to Ballyvaddy Road, Carnlough.	1
Sea Defence Repairs - Drumnagreagh Road to Dickeystown Road, Glenarm.	1
Sea Defence Repairs - Milltown Bridge to Drumnagreagh, Ballygalley.	1
Sea Defence Repairs - Branch Road to Cairncastle Road, Ballygalley.	5



A2 Coast Road.
Completed Sea Defence Scheme, Milltown Bridge to Drumnagreagh, Ballygalley

A2 Coast Road, Glenarm.
Proposed Slope Stabilisation Scheme 2017 /18. Estimated cost £200,000.



Winter Service 2016/2017

The aim of winter service is to ensure, as far as possible, that main road traffic can move safely and freely in wintry conditions by spreading salt at the most effective times. Criteria have been devised to identify the most trafficked roads that carry approximately 80% of traffic and would provide the best cost benefits with the available budget.

A route optimisation was carried out last year to ensure routes were gritted as efficiently as possible. Importantly there has been no change to the roads included on the gritting schedule, it is simply that the operation is being delivered more efficiently.

Mid and East Antrim Depots grit 591km of roads during a scheduled action using 9 gritters and 34 staff on rota. Some of this gritting is carried out on routes outside of the Council area and some routes within the Council area are gritted by other depots with the aim to achieve optimum operational efficiency and complete a salting action in just over 3 hours, which is a difficult logistical exercise. Due to the mild weather there were only 64.5 equivalent full salting actions during the 2016-17 Winter Season; the first action being on 5th November 2016 and the last on 23rd March 2017. Approximately 5,500 tonnes of salt was used.

Due to the high costs involved to ensure gritting is carried out when necessary and at the appropriate time, Northern Division have 10 Duty Controllers on rota who take the decision when to grit using information provided by the Met Office and the 21 Transport NI maintained weather stations across Northern Ireland. An additional 4 stations maintained by the DBFO companies with further data provided from 10 sites in Southern Ireland.

Information on our salting activities continues to be relayed electronically to the broadcast media to ensure that the latest news on road conditions is available to motorists across Northern Ireland. Additional information, including our winter service leaflet, can be found on our website along with advice on driving in poor weather conditions.

SECTION 3

NETWORK DEVELOPMENT

Network Development Manager: Alan Keys

He is supported in Mid & East Antrim by the following staff



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3.1 Traffic

Minor Improvement Schemes Completed 2016/2017

B62 Cullybackey Road/Woodtown Road - Junction Upgrade - £530,000

The scheme, shown below, involved realignment of a section of the Woodtown Road between the B62 Cullybackey Road and the Old Cullybackey Road. The Woodtown Rd junction was moved approximately 80m south east of the existing junction to create a more satisfactory and safer right-left stagger. This has removed much of the uncertainty that existed for motorists by increasing the distance between the junctions of the Woodtown Road with the Cullybackey Road. Further improvements were gained with the introduction of a ghost island on the Cullybackey Road to assist right turning traffic movements and reduce vehicle conflicts with mainline traffic. The works also included a new section of footway to tie in with the current provision that ends near the junction of the Old Cullybackey Road. The road was re-opened again to the public on 1st July.



Completed Scheme

C77 Manse Road Mutton Burn, Ballycarry - Road Restraint System - £32,000

A scheme to provide vehicle containment at Mutton Burn Bridge began on 19th March 2017. The scheme includes provision of a new parapet on the upstream side of Mutton Burn combined with an extension of containment using a Road Restraint System along the adjacent verges on either side. The parapet is complete as shown in the before and after photos below.



Minor Improvement Schemes Proposed 2017/2018

Network Development currently has a very limited budget to carry out Minor Improvement schemes in 2017/18. However, the following schemes have been designed in detail and are ready to be taken forward to construction subject to the availability of finance.

Sand Road/Woodtown Road, Galgorm - Junction Upgrade - £460,000

It is proposed to upgrade the Sand Road/Woodtown Road junction just north of Galgorm on the outskirts of Ballymena. The primary aim of the scheme is to change the junction priority from Woodtown Road to Sand Road to suit the predominant traffic movements. The proposed new junction layout and re-alignment of Sand Road will improve stopping sight distances throughout the approaches and increase driver safety.

Rathkeel Road, Broughshane - Footway Provision - £210,000

It is proposed to provide a footway from Buckna Road for approximately 450m to the south east towards the 30mph speed limit on Rathkeel Road. The scheme also incorporates improvements to the sight visibility for traffic emerging from Buckna Road onto Rathkeel Road. Land has been acquired opposite the houses to provide space along the front of residential properties to facilitate construction of a new footway. Maintenance Section plan to resurface this stretch of the Rathkeel Road, however this work will be co-ordinated with the delivery of the footway scheme to minimise disruption for local residents and to maximise use of limited resources.

Browndod Road/Carnduff Road, Larne - Visibility Improvement - £36,000

It is proposed to improve sightlines on both sides of the junction for traffic emerging from Carnduff Road onto Browndod Road, Larne.

3.2 Traffic

Completed Traffic Schemes 2016/2017

Traffic Management Schemes.

Prohibition of right turn at A2/Rogers Quay (McDonalds Junction), Carrickfergus - £15,000

Following representation from local representatives a scheme has now been implemented to ban the right turn from the A2 Shore Road onto Rogers Quay, at the McDonalds restaurant and similarly exiting Rogers Quay onto the A2 towards Larne.

This scheme will improve road safety by eliminating the conflict associated with the crossing manoeuvre and help traffic progression towards Larne by removing stationary vehicles waiting to turn right that impeded traffic flow.

Right-turning lane on A42 Galgorm Road at Galgorm Hall, Ballymena - £5,000

The resurfacing scheme of A42 Galgorm Road provided an opportunity to remove the central island on Galgorm Road and provide a right-turn lane into Galgorm Hall. This facility has been provided to reduce congestion at Galgorm roundabout by allowing residents to wait in the channelized right-turn lane before turning right into Galgorm Hall.

Traffic Calming Schemes

Rogers Quay, Carrickfergus - £40,000

A traffic calming scheme has been implemented on Rogers Quay as shown below. This scheme provides improved pedestrian facilities in the form of pedestrian refuge islands as well as speed reducing vertical measures in the form 4 sets of speed cushions on the approach to the pedestrian refuge islands. The scheme will also improve pedestrian linkage from the marina to the shopping area and town centre.



Completed Traffic Schemes 2016/2017 (cont.)

Collision Remedial Schemes

A26 Lisnevenagh Road junction with Cromkill Road, Ballymena - £25,000

A collision remedial scheme has now been implemented to address a history of collisions at the junction of A26 Lisnevenagh Road / Cromkill Road.

The scheme, depicted below, directly addresses the causation factor of the collisions by prohibiting the right turn from Cromkill Road, preventing vehicles turning right from Cromkill Road onto the A26 towards Antrim.

Drivers wishing to travel to Antrim from Cromkill Road are able to use the alternative route via Ballee Road West and Seven Towers roundabout.



Transportation - Cycle Measures

A2 Belfast Road at Trooperslane, Carrickfergus - £80,000

Approximately 800m of shared pedestrian / cycle facility has now been provided on the South East side of the A2 between Seapark and Trooperslane Road. This cycle path continues the existing off-road facility between Belfast and Carrickfergus.

Transportation - Pedestrian Measures

Rogers Quay, Carrickfergus - £15,000

A new zebra crossing and alteration of footways has now been provided on Rogers Quay between the Castle car park and Sainsbury's store. This crossing will improve pedestrian safety in this vicinity by providing a formal crossing point.

Completed Traffic Schemes 2016/2017 (cont.)

Transportation - Pedestrian Measures (Cont.)

Cushendall Road Puffin Crossing, Ballymena- £25,000

A new puffin crossing has been provided on the Cushendall Road at the entrance to the new Ballymena Health and Care Centre as shown below. This formal crossing provides a safe crossing facility for pedestrians, including vulnerable users.



Parkway, Ballymena Zebra crossing upgrade - £15,000

Work has recently been completed to upgrade the existing pelican crossing on Parkway near the Ballymoney Road as shown below. The work included the provision of improved LED street lighting and Belisha Beacons as well as high friction surfacing on the approaches to the crossing. This work enhances the visibility of the crossing for approaching motorists thereby improving pedestrian safety.



Completed Traffic Schemes 2016/2017 (cont.)

Minor Traffic Management Measures

Minor traffic management improvements, traffic signs and carriageway markings have been provided at the following locations:

- | | |
|----------------------------------|--|
| Maritime Drive, Carrickfergus – | Provision of junction markings at two locations. |
| McKeen's Avenue, Carrickfergus – | Provision of 'Keep Clear' marking. |
| Cable Road, Whitehead – | Provision of 'Keep Clear' markings at two locations. |
| Drumahoe Gardens, Millbrook - | Provision of 'Keep Clear' markings. |

Traffic Control Permits.

367 applications for Traffic Control Permits have been assessed and approved for contractors working in the Mid and East Antrim area. Permits are required for any work on the carriageway that requires traffic control and has potential to cause traffic disruption.

Disabled Parking Bays

Applications for "disabled" parking bays are assessed on an individual basis, as they are received. The following bays have been provided.

- | | |
|---------------------------|------------------------------------|
| Glenvale Park, Glynn – | Provision of Disabled Parking Bay. |
| Newington Avenue, Larne - | Provision of Disabled Parking Bay. |
| Slemish Drive, Larne - | Provision of Disabled Parking Bay. |

Proposed Traffic Schemes 2017/18

Traffic Management Schemes.

Ahoghill Village - £25,000.

A Traffic Management scheme has been developed for Ahoghill village to introduce a series of red high friction patches and associated markings along with enhanced signage. This scheme is to address a history of speeding through the village and highlight the existing speed limit.

Collision Remedial Schemes.

A8/Pound Street Junction, Larne - £8,000

Following a recent increase in the number of collisions at the above junction, a detailed investigation of the collisions was undertaken and a scheme has now been developed to improve road safety at the junction. The scheme involves the relocation of the "Stop" bar on Pound Street, the removal of sign clutter and the introduction of additional road markings and red hatching on the approach to the junction.

A26 Lisnevenagh Road, Ballymena - £10,000

Work is ongoing to rationalise the signs and road markings on the A26 Lisnevenagh Road between Dunsilly and Ballee following the recent safety review of the route. Centre line and cat's eyes will be renewed along the Mid and East Antrim section of the route and the work to upgrade the keep left bollards and other signage on the road will continue as resources permit.

A26 Lisnevenagh Road at Woodgreen - £25,000

The safety review of the A26 between Dunsilly and Ballee highlighted two sites in the Mid and East Antrim section of the route where, after analysis of the collisions history, a common causation factor was identified that could be treated with remedial measures.

The two sites identified for treatment were the junctions at Woodgreen/Maine Road with A26 and Cromkill Road with A26. The Cromkill junction scheme is now complete however the Department received several objections to the notice of intention to implement prohibition of right turn legislation at the Woodgreen Road junction. The scheme would have prevented right turning movements onto the A26 Lisnevenagh Road but right turns from the A26 into the side roads would remain unaffected.

Staff from the Department met with all the objectors to clarify the proposals and seek withdrawal of the objections. However four objections to the proposals still remain. The Department is now considering whether the scheme should proceed in its current form and if a public inquiry into the proposals is appropriate.

Proposed Traffic Schemes 2017/18 (cont.)

Transportation - Pedestrian Measures

Parkway, Ballymena Zebra crossing upgrade - £15,000

Plans are in place to upgrade the existing pelican crossing across Parkway from the rear of the Fairhill centre to Market Road. This work will include the provision of improved LED street lighting and Belisha Beacons as well as high friction surfacing on the approaches to the crossing. The work will enhance the visibility of the crossing for approaching motorists thereby improving pedestrian safety.

High Street, Larne - Zebra crossing upgrade- £15,000

Plans are in place to upgrade the existing zebra crossing on High Street at Main street in Larne. The work will include the provision of improved LED street lighting and Belisha Beacons as well as high friction surfacing on the approaches to the crossing.

This work will enhance the presence of the crossing thereby improving pedestrian safety.

Scotch Quarter, Carrickfergus - £7,000

A scheme is being developed to improve pedestrian facilities on Scotch Quarter in Carrickfergus. This scheme will assist pedestrians crossing from the town to the play park and gardens.

Transportation - Bus Measures.

Minor improvements to existing and proposed bus stops will be considered as identified.

Minor Traffic Management Measures.

A programme of sign replacement in the Mid and East Antrim Council area is underway to upgrade and replace life expired signs. This programme will continue through the Council area as finances permit.

Improvements and additional traffic signs and carriageway markings will be will be provided as identified.

Disabled Parking Bays

Applications for "disabled" parking bays will be assessed on an individual basis, as they are received.

3.3 Street Lighting

The total number of lights in the council area is now 22430.

While resources are somewhat limited we are currently providing a normal street lighting repair service and will continue to do as long as funding permits.

We would continue to encourage public representatives to let us know about any street lighting defects by phoning 03002007899 or on line at <http://www.nidirect.gov.uk/street-lighting-and-reporting-a-fault>.

Completed Schemes 2016/2017

Area	Location	No. of Lanterns complete	Scheme type
Ballymena	Woodtown Road	24	Upgrade
Ballymena	Pineridge Road	10	Upgrade
Ballymena	Bryan Street	3	Upgrade
Ballymena	Deramore Park	40	Upgrade
Ballymena	Pinegrove	19	Upgrade
Ballymena	Beech Drive	22	Upgrade
Ballymena	Galgorm Drive	14	Upgrade
Ballymena	Sandown Park in conjunction with DFC	6	Upgrade
Ballymena	Doury Park in conjunction with DFC	4	Upgrade
Ballymena	Kew Gardens in conjunction with DFC	11	Lantern Upgrade
Ballymena	Kensington Park in conjunction with DFC	7	Lantern Upgrade
Ballymena	Wayside Green in conjunction with DFC	4	Lantern Upgrade
Ballymena	Richmond Walk in conjunction with DFC	2	Lantern Upgrade
Ballymena	Holland Park in conjunction with DFC	12	Lantern Upgrade
Ballymena	Richmond Park in conjunction with DFC	13	Lantern Upgrade

Completed Schemes 2016/2017 (cont.)

Area	Location	No. of Lanterns complete	Scheme type
Ballymena	Kew Link in conjunction with DFC	5	Lantern Upgrade
Ballymena	Hyde Park in conjunction with DFC	6	Lantern Upgrade
Galgorm	Sandmount Park	14	Upgrade
Broughshane	Whinsmoor Road	3	Upgrade
Broughshane	Raceview Road	33	Upgrade
Larne	Wilmuir Crescent	12	Upgrade
Larne	Duneira Park	12	Upgrade
Larne	Raloo Park	5	Upgrade
Larne	Harbour Highway	12	Upgrade
Larne	Redlands Road RAB	8	Lantern Upgrade
Cullybackey	Fendale Park	29	Upgrade
Cullybackey	Tobar Park	9	Upgrade
Kells	Glenann Park	18	Upgrade
Clough	Coronation Park	6	Upgrade
Clough	Coronation Crescent	7	Upgrade
Carrickfergus	North Road Underpass	6	Upgrade
Carrickfergus	Dunmore Park	4	Upgrade
Total number of lights working		380	

Additional Schemes Proposed for 2017/2018

Should further resources become available the following is a list of schemes proposed for Upgrading/New Provision.

Area	Location	Scheme type
Ballymena	Tullyglass Park	Upgrade
Ballymena	Thornlee Avenue	Upgrade
Larne	Ballycraigy Ring Road Estate Phase 2	Upgrade
Carrickfergus	Alexander Road	Upgrade
Carrickfergus	Davy Street	Upgrade

SECTION 4

NETWORK PLANNING

Network Planning Manager: Cathal Brown

He is supported in Mid & East Antrim by the following staff



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4.1 Development Control

Planning Applications

Planning Service forward planning applications to the Development Control Section of TransportNI for scrutiny of the road issues, including access arrangements, parking standards and provision, and road layout and geometry. The road widths, radii, gradients, drainage and other construction data are checked against departmental standards. Development Control also checks the visibility splays and forward sight distances at the vehicle access points.

The Private Streets Order 1980 is applied if the street is to become public and maintained by the Department. The Development Control Section determines the area to be adopted, calculates the bond amount, arranges the supervision of the construction of the private street and, following satisfactory completion of the street(s) by the developer, arranges for adoption into the public road network. If necessary, the Department can take appropriate enforcement action to ensure completion of the street.

Other work includes Property Enquiries, Planning Appeals and the approval of road access works via the Roads (NI) Order 1993.

During the period 01 April 2016 to 31 March 2017 Development Control Section dealt with:-

Planning Applications	885
Pre-Planning Enquiries	840
Planning Applications involving Private Streets Order	19

Adoptions

The Department adopted a total of 101m of footway. Developments adopted are listed below:-

Adoptions	Carriageway (m)	Footway (m)	Date
Woodburn Road, Carrickfergus		22	24/05/16
The Diamond Primary School, Cullybackey		79	10/03/17

4.2 Maintenance of Structures

Completed Structural Maintenance Work 2016/2017

The Structures Section manages the 1,327 bridges and culverts with a span of 1.8m and greater within the Division. There are 386 of these structures in the Mid and East Antrim area. Smaller structures are managed by the local Section Office.

Route No.	Name	Description	Cost
U89 Craigstown Road	Jenny - Orrs	Upgrade of parapets and stabilised wingwalls. (See photograph below left)	£24,964



B93 Carndonaghy Road	Dreen	Repaired deck and upgrade of damaged parapets. (See photograph above right)	£16,121
B90 Island Road	Ballycarry	Raised the height of the parapet	£3,492
A42 Clady Road	Portglenone	Removal of vegetation and re-pointing.	£1,048
U156 Knockanully Road	Wee Mill	Repairs to the scoured invert and replaced masonry on deck soffit.	£14,875
U46 Raloo Road	Ballyrickard	Repair of undermined abutment and wingwalls.	£9,338

Structural maintenance work completed at a total cost of £69,838

Proposed Structural Maintenance Work 2017/2018

Schemes on this list may be substituted or altered depending on finance and developing circumstances throughout the year.

Road No & Name	Name	Description	Estimate
U85 Bridge Street	Bridge Street	Upgrading of parapet railings.	£35,000
U41 Ballycowan Road.	Mackeystown	Removal of vegetation, repair of deck soffit and upgrade of parapets.	£24,000
C71 Cairncastle Road.	Thistle Dhu	Repair to the scoured apron and damaged wingwall.	£20,000
U14 Glenview Road	Owencloughy	Removal of a tree and vegetation. Repair of wingwalls and invert.	£15,000
C59 Loan Road.	Brookside	Sealing of the deck soffit. Repair of damaged aprons and invert.	£5,000
U16 Carclinty Road	Port	Repair to pier face, aprons and invert.	£3,000
C60 Clinty Road	Forttown	Repair the undermined and displaced wingwall	£3,000

Proposed structural maintenance work at a total cost of £105,000

4.2 Maintenance of Structures

Completed Road Restraint System Upgrade Work 2016/2017

Route No.	Name	Description	Cost
A8	Harbour Highway, Larne	Upgraded 970m of Vehicle Restraint System to meet current policy and specification.	£276,533
A42	Raceview Road, Broughshane	Upgraded 778m of Vehicle Restraint System to meet current policy and specification. (See photograph below)	£266,295



Road Restraint System Upgrade Work Completed at a total cost of £542,828

Proposed Road Restraint System Upgrade Work 2017/18

Schemes on this list may be substituted or altered depending on finance and developing circumstances throughout the year.

Route No.	Name	Description	Estimate
B64	Springmount Road	Upgrade of Vehicle Restraint System to meet current policy and specification.	£60,000
B99	Waterfall Road	Upgrade of Vehicle Restraint System to meet current policy and specification.	£200,000
C56	Corbally Road	Upgrade of Vehicle Restraint System to meet current policy and specification.	£55,000
C60	Doury Road	Upgrade of Vehicle Restraint System to meet current policy and specification.	£45,000
C78	Gobbins Road	Upgrade of Vehicle Restraint System to meet current policy and specification.	£90,000

Road Restraint System Upgrade Work Proposed at an estimated cost of £450,000