

June 2018

# **NORTHERN DIVISION**

## **Annual Report 2018/2019**

to

## **Mid & East Antrim Borough Council**



**A36 at Lynn's Bridge**

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## Foreword

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

You are all acutely aware of the pressure there has been on public sector funding over the last four or five years and it is acknowledged that the road maintenance budget has been less than ideal. This has meant that the Department has only been able to deliver a limited service with less grass cutting, gully emptying than previous years and targeted pot-hole repairs rather than more widespread resurfacing. The impacts of this level of road maintenance coupled with a very harsh winter has been clear to all road users. I am pleased to tell you that we have started the current financial year with a significantly increased capital allocation and you will have heard that the Department has been allocated £75 Million.

This budget will allow us to plan to deliver a significantly increased number of both Trunk Road and Non-Trunk Road resurfacing schemes, a sustained programme of street lighting upgrades along with a slightly improved LTSM (Local Transportation and Safety Measures) allocation. In particular, I want to advise you that £15 Million of the overall allocation has been ring fenced as the Roads Recovery Fund. This money will allow local Section Engineers to target roads which have been adversely impacted by the recent under funding and those which deteriorated over the winter period. I think this part of the budget will benefit our rural road network and I have no doubt you and your constituents will notice the improvements. We continue to deliver the flagship projects on the A6 between Randalstown and Castledawson and the recently awarded section between Dungiven and Drumahoe.

While I have outlined an improved capital picture, our routine road maintenance activities are still under quite significant constraint, although not just as bad as recent years. We are able to commit to two grass cuts across the whole network, a single gully emptying and the intervention level for pot-holes on lightly trafficked road has changed from 100mm to 50mm. This is a move in the right direction but is not a return to the fully funded road maintenance position of the past and there are still some hard decisions to be taken to ensure we are getting the best from the limited maintenance funding available.

I just want to finish by paying tribute to the staff in DfI Roads who continue to impress me with their professionalism and resilience. The winter period in particular was a significant test as we were repeatedly bombarded by rain, high winds and prolonged periods of icy and snowy weather. This winter was very demanding, indeed, we used more salt this year than in any other year on record, which dates back to the early 1970s!

I trust the information included in this report is a benefit to you and I will be happy to discuss this and any other issues at our meeting.

**David Porter**  
**Divisional Manager**

# Northern Division

Mid & East Antrim Borough Council  
DfI Roads Report - Spring 2018

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 - schemes greater than £1.5million on strategic roads
- Network Maintenance of Roads and Structures
- Network Development - Street Lighting, Traffic and Transportation and Road Improvement
- Network Planning - Development Control and input to Local Development Plans

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## Northern Division - Senior Management Structure



**David Porter**  
Divisional Manager



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



**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



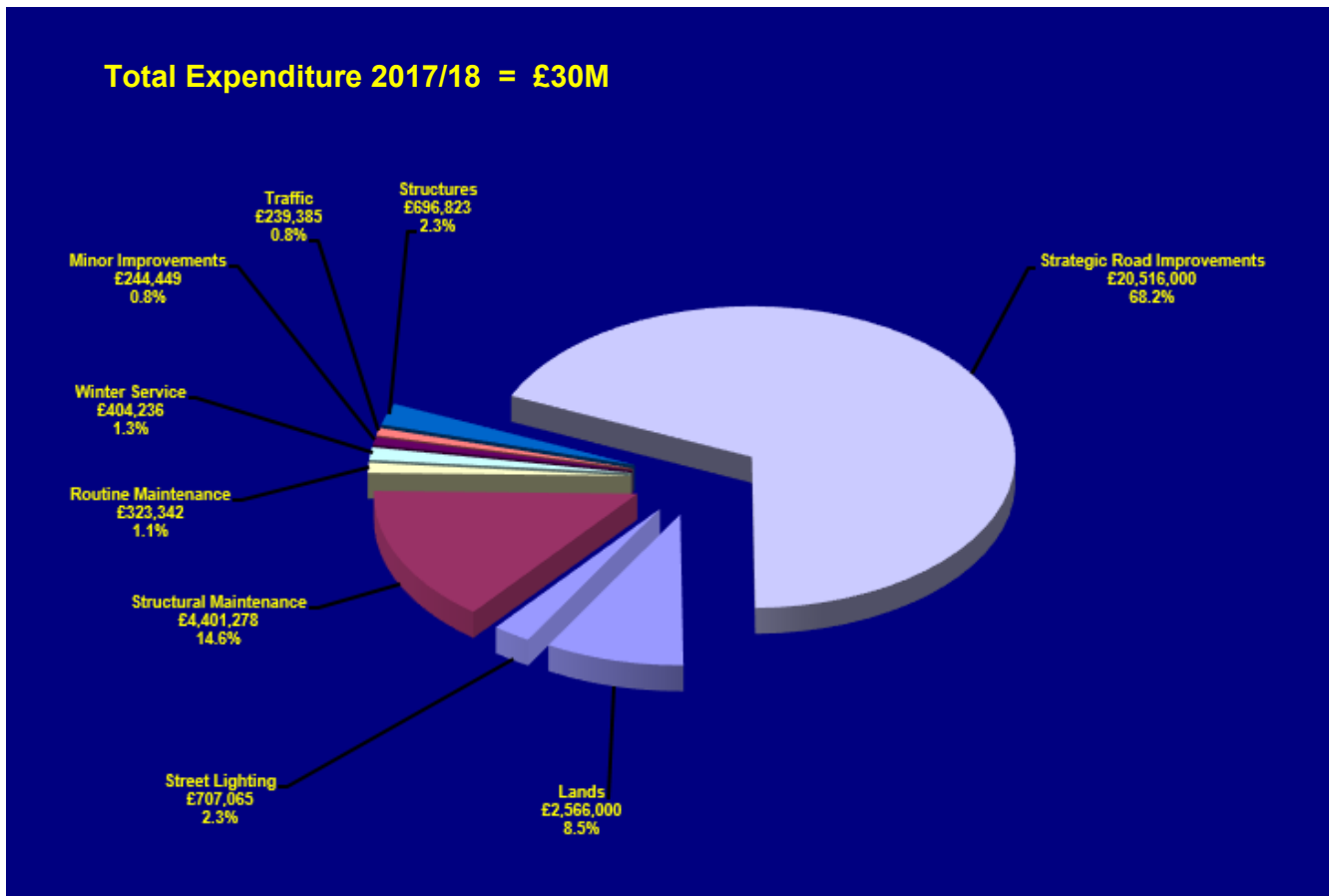
**Alan Keys**  
**Network Development Manager**  
Minor Improvement schemes; Traffic management; Street lighting capital & maintenance; Estimates and allocations for local transport & safety measures; On-street parking and Park and Ride/Share.



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



## Mid and East Antrim Borough Council 2017/18 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 Corridors.

Lands -Acquisition of land for road schemes

## SECTION 1

# STRATEGIC ROAD IMPROVEMENTS

### Senior Staff



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## 1.1 A6 Randalstown to Castledawson

(Being dealt with by Dawson Wray)

This scheme will provide a continuous dual carriageway from the western end of the M22 at Randalstown to the Castledawson Roundabout.

In June 2017 major works began on site with earthworks, drainage, fencing and range of structures now well advanced. A number of the major junction bridges are progressing with the aim of opening the first section of the scheme between Toome and Randalstown in mid 2019.

Landowner and stakeholder engagement continues to minimise the impact of the works on the local residents, businesses and the travelling public.

Drone footage of progress is available on <https://www.youtube.com/channel/UC7qq4Hmth9zxz3gTxA4D2RQ> Visit <https://www.infrastructure-ni.gov.uk/topics/road-improvements/a6-randalstown-castledawson-duallingscheme> to find out more about the scheme.



Construction of Derrygowan bridge



Local material processing site east  
of Ballynafey Road



## 1.2 A6 Dungiven to Drumahoe Dualling

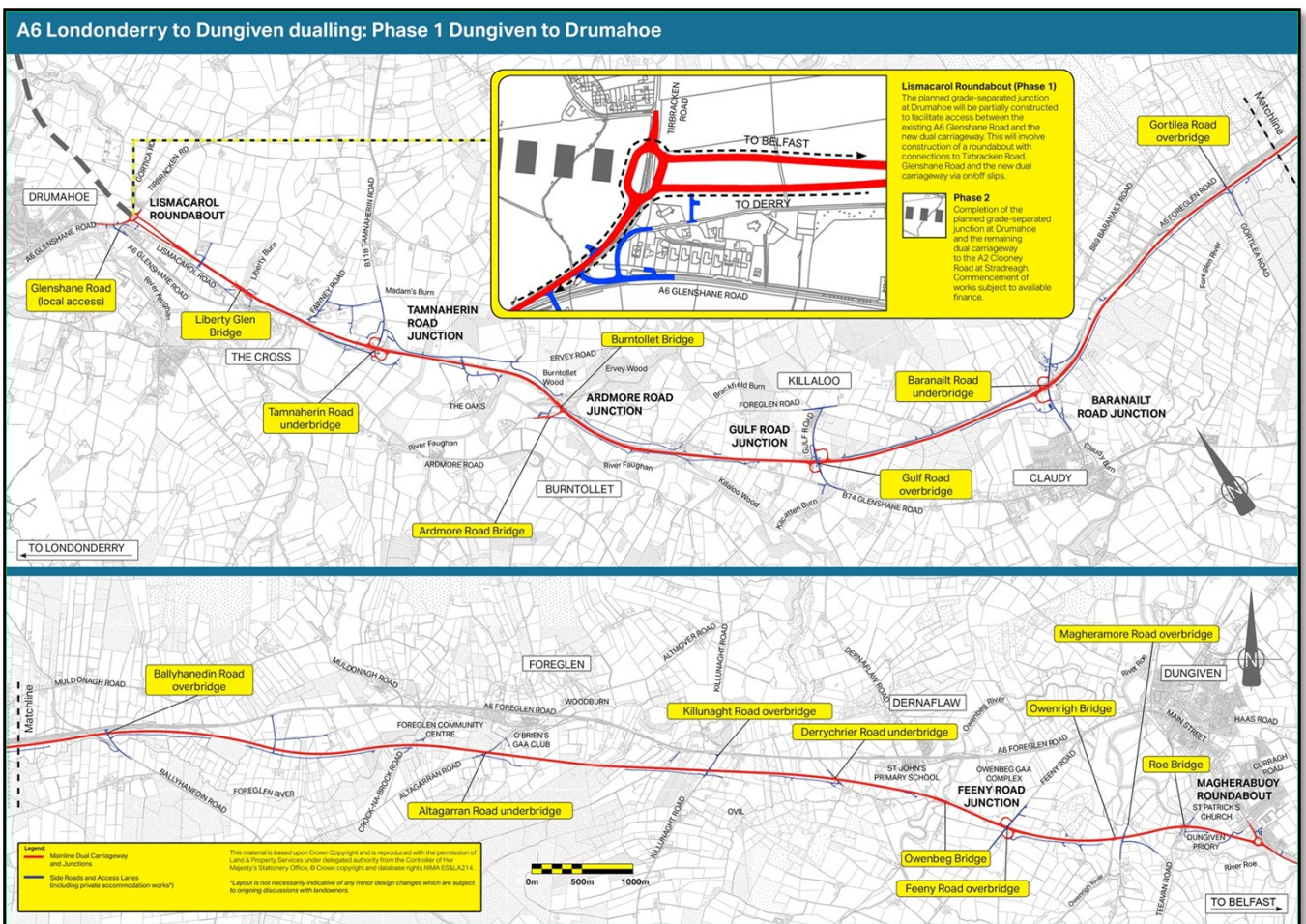
*Being dealt with by Colin Hutchinson)*

The contract to design and construct the A6 Dungiven to Drumahoe dual carriageway was awarded to Consortium Sacyr Wills Somague on 28 March 2018. Detailed design has now commenced, along with the development of scheme programme which will identify the sequencing of the construction works. The scheme will take up to four years to complete.

The project, which represents an investment in the region of £220 million, including land acquisition, will upgrade 25.5km of the A6 between Drumahoe and Dungiven to dual carriageway standard and includes a dual carriageway bypass of Dungiven.

This very significant investment will greatly improve road safety and journey times by reducing congestion.

Visit <http://www.infrastructure-ni.gov.uk/topics/road-improvements/a6-londonderry-dungiven> to find out more about the scheme.



Location and General Layout Plan

## SECTION 2

# NETWORK MAINTENANCE

Senior staff

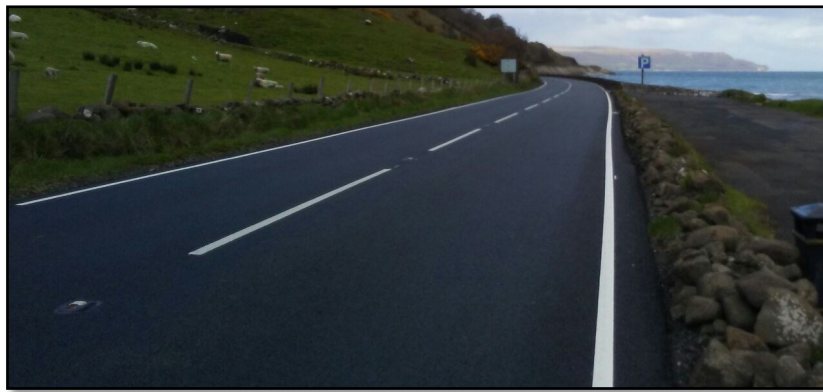


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The emergency telephone number is (028) 7035 3202 or 03002007891.  
Flooding can also be reported on the Flooding Incident Line on 0300 2000 100.

## Completed Resurfacing 2017/2018

Route No.	Road Name / Location	Length (m)
A43	Main St., Cargan (Gortnageeragh Road to new surface)	600
B100	Ballyrickard Road Larne (Mounthill Rd to Waterfall Rd)	2380
C60	Ballymoney Street, Ballymena (Broadway to Parkway)	204
A2	Coast Road, Larne (Ballypollard Road to Ballylig Road) - see below	1560



U2200	Church Street, Ballymena (Broughshane St to Castle St)	310
U2200	Bridge Street, Ballymena (Castle St to Larne Road Link)	92
U2204	Wellington Street, Ballymena (Mill St to Ballymoney St)	264
U2222	Doury Road Estate, Ballymena	1240
B96	Townhill Road, Portglenone (At Skerdan Road)	1180
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 Rd)	390
U4085	Main Street, Larne (Old Glenarm Road to High Street)	595
U4085	High Street, Larne (Pound Street to Dunluce Street)	146
B58	New Line, Carrickfergus (Paisley Road to Watchill Road)	2140

**Resurfacing Completed 11.4 km**  
**At a cost of £1,448,000**

## Proposed Resurfacing 2018/2019

Route No.	Road Name / Location	Length (m )
M2	Ballymena Bypass	1000
C45	Steeple Road, Kells (from Chapletown Rd towards Kells village)	1680
A42	Galgorm Road from Galgorm to Ahoghill	1890
A43	Cushendall Road from the Chapel to Fry's Road	1340
C75	North Road, Larne	800
UR159	Mill Street, Ballymena	120
B64	Springmount Road from A26 to Clogh	3300
UR103	Upper Cairncastle Road, Larne	520
A26	Seven Towers Roundabout, Ballymena	410
B59	Tully Road, Moorfields	2530
B94	Rathkeel Road, Broughshane	1245
<b>Resurfacing Proposed</b>		<b>14.83Km</b>
<b>Estimated at</b>		<b>£2,500,000</b>

## Proposed Roads Recovery Fund 2018/2019

Route No.	Road Name / Location	Length (m )
C58	Duneoin Road, Cullybackey	175
C66	Lisnamurrigan Road, Cullybackey	595
C72	Old Glenarm Road, Larne	220
C77	Ballypollard Road, Larne	470
UR22	Croft Road, Carnlough	480
UR56	Ballyvallagh Road, Larne	475
UR72	Ballykennedy Road, Gracehill	135
UR83	Tullynamullan Road, Kells	580
UR99	Deerfin Road, Moorfields	190
UR104	Northland, Carrickfergus	230
UR212	Pennybridge Industrial Estate, Ballymena	430
<b>Proposed Roads Recovery</b>		<b>3.98Km</b>
<b>Estimated at</b>		<b>£1,000,000</b>

## Completed Footway Resurfacing 2017/2018

Route No.	Road Name/Location	Length (m)
B94	Rathkeel Road, Broughshane	180
U2222	Doury Road Estate, Ballymena	2260
F3140	Cable Road, Whitehead	95
F3140	York Avenue, Whitehead	50
F3140	Prince of Wales Avenue, Whitehead	160
F3140	Balfour Avenue, Whitehead	385
F3140	Victoria Avenue, Whitehead	55
F3140	Balmoral Avenue, Whitehead	65
F3140	Edward Avenue, Whitehead	35
F3140	Adelaide Avenue, Whitehead	105
F4085	Riverdale, Larne	120
F4093	Garron Walk, Larne	120
F4155	West Street, Ballycarry	200

**Footway resurfacing completed 3.73 km**

**At a cost of £184,000**



## Proposed Footway Resurfacing 2018/2019

Route No.	Road Name/Location	Length (m)
UR104	Lower Cairncastle Road, Larne	350
UR106	Victoria Road, Larne	200
UR93	Garron Walk, Larne	120
C48	Greenfield Road, Kells	293
UR295	Sunray Crescent, Cargan	120
UR103	Salia Avenue, Carrickfergus	55
UR104	Northland, Carrickfergus	65
F3103	Cypress Place, Carrickfergus	20
F3104	Cedar Park, Carrickfergus	36
F3102	Dav's Street, Carrickfergus	380
F3120	Knockleigh Drive, Carrickfergus	110
F2207	Derramore, Ballymena	600
F2260	Chesney Crescent, Portglenone	215
F2255	Glenhugh Park, Ahoghill	629
<b>Footway resurfacing proposed</b>		<b>3.19 Km</b>
<b>Estimated at</b>		<b>£165,000</b>

## Completed Surface Dressing 2017/2018

Route No.	Road Name / Location	Length (m)
B93	Hillmount Road (Dunminning Rd to Craigs Rd).	1808
C57	Ballywatermoy Road (Cladytown Rd to Dunminning Rd).	2332
C57	Tullygrawley Road (Ballymoney Rd to Fenagh Rd).	1281
C57	Tullygrawley Road (Fenagh Rd to Cladytown Rd).	2381
C57	Bridge Road (Killagan Rd to Bellaghy Rd).	3034
C58	Duneoin Road (Lisnahunsion Rd to Craigs Rd).	2346
C84	Moneyduff Road (Tullykittagh Rd to Omerban Rd)	1995
C84	Moneyduff Road (Omerban Rd to Glenleslie Rd).	2056
UR27	Teeshan Rd (Old Cullybackey Rd to Tullygrawley Rd).	1918
UR48	Aughnahoy Road (Largy Rd to Carmegrim Rd).	1184
UR109	Ballygelly Road (Lisnamurrigan Rd to Racavan Rd).	1975
UR114	Aghnadore Road (Caherty Rd to Rathkeel Rd).	1675
UR122	Lisles Hill Road (Carnlough Rd to Lough Rd).	2223
UR122	Lisles Hill Road (Lough Rd to Carnalbanagh Rd).	3321
UR129	Elginney Road (Tullymore Rd to Cloneytrace Rd).	2372
UR155	Brae Road (Glensbrae Rd to Dead-end).	896
UR155	Carnalbanagh Road (Cashel Rd to Racavan Rd).	1091
UR156	Knockanully Road (Glenravel Rd to Glensbrae Rd).	989
UR158	Ballysallagh Road (Gortnageeragh Rd to Dead-end).	1699
<b>Completed Surface Dressing</b>		<b>36.56 km</b>
<b>At a cost of</b>		<b>£200,000</b>

## Proposed Surface Dressing 2018/2019

Route No.	Road Name / Location	Length (m)
UR23	Redford Road, Cullybackey	1614
B93	Cardonagh Road, Cullybackey	1570
UR13	Grange Road, Largy	2164
C57	Killycowan Road, Dunminning	2164
UR16	Carclinty Road, Cullybackey	3207
UR20	Kildowney Road, Dunminning	1908
UR43	Ballybeg Road, Ahoghill	1830
C64	Liminary Road, Kells	3900
UR60	Gillistown Road, Grange	1411
UR67	Ballylummin Road, Ahoghill	1367
UR78	Cockhill Road, Kells	1710
UR173	Old Frosses Road, Cloghmills	3510
C63	Ballygarvey Road, Broughshane	3559
C62	Cloghwater Road, Clogh	6068
C67	Buckna Road, Broughshane	2477
<b>Proposed Surface Dressing</b>		<b>38.45 km</b>
<b>Estimated at</b>		<b>£322,000</b>

## Completed Surface Treatment 2017/2018

Route No.	Road Name/Location	Length (m)
<b>Carriageways</b>		
B96	Hiltonstown Road, Portglenone	1320
UR209	Old Crebilly Road, Ballykeel 1, Ballymena	50
UR211	Moat Road, Harryville, Ballymena (pictured below left)	180



UR211	Casement Street, Harryville, Ballymena (pictured above right)	170
UR211	Castle Gardens, Harryville, Ballymena	50
UR211	Edward Street, Harryville, Ballymena	60
UR211	Francis Street, Harryville, Ballymena	170
UR260	Kilmakevitt Estate, Cullybackey	1210
U2270	Chesney Crescent, Portglenone	150

**Completed Carriageway Surface Treatment 3.36 km**

**At a cost of £38,000**

## Completed Surface Treatment 2017/2018 (cont.)

Route No.	Road Name/Location	Length (m)
	<b>Footways</b>	
U3107	Winslow Park (Winslow Heights to Hillview Road), Carrickfergus.	160
U3107	Hillview Avenue (Prospect Road to Dead-end), Carrickfergus.	260
U3107	Hillview Court (Hillview Road to Dead-end), Carrickfergus.	110
U3107	Hillview Drive (Hillview Avenue to Hillview Road), Carrickfergus.	400
U3107	Hillview Gardens (Hillview Road to Dead-end), Carrickfergus	180
U3107	Hillview Road (Middle Road to Dead-end), Carrickfergus.	1355
U3107	Henry Road (Winslow Park to Middle Road), Carrickfergus.	800
U3107	Garron Heights (Prospect Heights to Dead-end) Carrickfergus.	150
U3110	Victoria Rise (Victoria Road to Dead-end) Carrickfergus.	1355
U3111	Dromore Road (Trailcock Road to Regent Avenue), Carrickfergus.	535
U3111	Regent Avenue (Dromore Road to Bluefield Road), Carrickfergus.	495
U3111	Selby Road (Dromore Road to Bluefield Way), Carrickfergus.	285
U3111	Bluefield Way (Selby Road to Regent Avenue), Carrickfergus.	160
U3111	Bluefield Road (Bluefield Way to Prince Andrew Way), Carrickfergus.	265
U3111	Bluefield Close (Bluefield Road to Dead-end), Carrickfergus.	140
UR209	Old Crebilly Road, Ballykeel 1, Ballymena.	70
<b>Completed Footway Surface Treatment</b>		<b>6.75 km</b>
<b>At a cost of</b>		<b>£132,000</b>



## Proposed Surface Treatment 2018/2019

Route No.	Road Name/Location	Length (m)
<b>Carriageways</b>		
UR225	Brookfield Gardens, Ahoghill	960
UR225	Glannon Hill, Ahoghill	346
UR215	Cambridge Avenue, Ballymena	330
UR105	Old Grange Avenue, Carrickfergus	181
UR105	Old Grange Drive, Carrickfergus	249
UR105	Old Grange Green, Carrickfergus	80
UR105	Old Grange Way, Carrickfergus	82
UR207	Beech Drive, Ballymena	577
UR207	Ash Park, Ballymena	105
UR207	Rowan Gardens, Ballymena	170
UR207	Spruce Park, Ballymena	95
<b>Footways</b>		
F2225	Brookfield Gardens, Ahoghill	1300
F2225	Glannon Hill, Ahoghill	692
F3105	Old Grange Avenue, Carrickfergus	75
F3105	Old Grange Drive, Carrickfergus	240
F3105	Old Grange Green, Carrickfergus	60
F3105	Old Grange Way, Carrickfergus	60
UR211	Larne Road, Ballymena	110
UR203	Rockgrove Valley, Ballymena	190
<b>Proposed Surface Treatment</b>		<b>5.90 km</b>
<b>Estimated at</b>		<b>£175,000</b>

## Completed Drainage Work 2017/2018

Route No.	Road Name / Location	Length (lin m ) / No. of gullies / access chambers
C60	Doury Road, Ballymena	9 m of pipe + 1 gully
UR37	Loughmourne Road, Larne	100 m of pipe + 4 gullies
UR55	Tureagh Road, Larne	70 m of pipe + 3 gullies
UR56	Ballyvallagh Road, Larne	110 m of pipe + 6 gullies
U4085	Main Street, Larne (Old Glenarm Road to High Street) Additional Works	30 gully replacements
UR31	Deerpark Road, Larne	19 m of pipe + 1 gully
B90	Station Road, Greenisland	2 gullies
UR35	Lower Ballyboley Road, Larne	87 m of pipe + 5 gullies
C75	Loughmourne Road, Carrickfergus	105 m of pipe + 5 gullies
UR4	Galdanagh Road, Carnlough	New culvert
C77	Ballypollard Road, Magheramourne	2 gullies
UR55	Tureagh Road, Larne	149 m of pipe + 8 gullies
UR42	Ballygowan Road, Larne	79 m of pipe + 1 gully + 1 access chamber
UR6	Dairylands Road, Carrickfergus	70 m of pipe + 5 gullies
A2	Belfast Road, Whitehead	32 m of pipe + 1 access chamber

**Drainage work completed at a cost of £60,000**

## Proposed Drainage Work 2018/2019

Route No.	Road Name / Location	Length (lin m) / No. of gullies / manholes
C45	Steeple Road, Kells	250m pipe/ 12 gullies / 4 access chambers
B94	Collin Road, Kells	Culvert Replacement

**Proposed drainage schemes estimated at £40,000**

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

## A2 Coast Road Sea Defences 2018/2019

Repairs to sea defences are ongoing at an estimated cost of £60,000.

## Completed Major Utility Works 2017/2018

<b>Utility</b>	<b>Road Name / Location</b>	<b>Scheme Details</b>
NI Water	Old Portglenone Road, Ballymena	New Watermain
NI Water	Ballytober Road, Islandmagee	New Watermain
NI Water	Glenhugh Road, Ahoghill	New Watermain
Virgin Media	Upper Road, Greenisland	New Works
Virgin Media	Farm Lodge, Greenisland	New Works
Virgin Media	Rossmore Green, Greenisland	New Works
Virgin Media	Kinbayne, Greenisland	New Works
Virgin Media	Whitethorn, Greenisland	New Works
Virgin Media	Mullaghmore Park, Greenisland	New Works
Virgin Media	Downview, Greenisland	New Works
Firmus Gas	Church Street, Ahoghill	New Main
Firmus Gas	Cullybackey Road, Ballymena	New Main
Firmus Gas	Old Cullybackey Road, Ballymena	New Main
NIE	Woodside Road, Ballymena	Upgrade Works
NIE	Tully Road, Ballymena	Upgrade Works
NIE	Craigadoo Road, Ballymena	Upgrade Works
NIE	Shandon Avenue, Ballymena	Upgrade Works
NIE	Shandon Park, Ballymena	Upgrade Works
NIE	Grangeleigh Avenue, Ballymena	Upgrade Works
NIE	Knowehead Road, Broughshane	Upgrade Works
NIE	Old Grange Avenue, Ballymena	Upgrade Works
NIE	Grange Avenue, Ballymena	Upgrade Works

## Major Utility Works Progress 2017/2018 (cont.)

Utility	Road Name / Location	Scheme Details
NIE	Grange Road, Ballymena	Upgrade Works
NIE	Leighinmohr Avenue, Ballymena	Upgrade Works
NIE	Leighinmohr Park, Ballymena	Upgrade Works
NIE	Davy's Street, Carrickfergus	Upgrade Works
NIE	Irish Quarter South, Carrickfergus	Upgrade Works
NIE	Chichester Park , Ballymena	Upgrade Works
NIE	Moat Link Road, Ballymena	Upgrade Works
NIE	Wilson Crescent, Ballymena	Upgrade Works
NIE	Barra Drive, Broughshane	Upgrade Works
NIE	Wilson Avenue, Broughshane	Upgrade Works
NIE	Chichester Park, Broughshane	Upgrade Works
NIE	Moat Link, Broughshane	Upgrade Works
NIE	Circular Road, Ballymena	Upgrade Works
NIE	Frys Road, Ballymena	Upgrade Works
NIE	Broughshane Road, Ballymena	Upgrade Works
NIE	Deramore, Ballymena	Upgrade Works
NIE	Ballygarvey Road, Broughshane	Upgrade Works
NIE	Fergus Avenue, Carrickfergus	Upgrade Works

## Ongoing Major Utility Works 2017/2018

Virgin Media	Station Road, Greenisland	New Works
Virgin Media	Glenkeen Avenue, Greenisland	New Works
Firmus Gas	Spence Crescent, Cullybackey	New Main
Firmus Gas	Ballymoney Road, Ballymena	New Main
Firmus Gas	Frys Road, Ballymena	New Main

## Proposed Major Utility Works 2018/2019

Utility	Road Name / Location	Scheme Details
NI Water	Carnearney Road, Ballymena	New Watermain
Virgin Media	Bates Park, Greenisland	New Works
Virgin Media	Knockleigh, Greenisland	New Works
Virgin Media	Glassillan, Greenisland	New Works
Virgin Media	Rossmore Green, Greenisland	New Works
Virgin Media	Moyard Gardens, Greenisland	New Works
Virgin Media	Longfield Gardens, Greenisland	New Works
Virgin Media	Carnroe Drive, Carrickfergus	New Works
Virgin Media	Carrickfern, Carrickfergus	New Works
Virgin Media	Glenkeen Drive, Carrickfergus	New Works
Virgin Media	Gortlane Drive, Carrickfergus	New Works
Virgin Media	Shannagh Avenue, Carrickfergus	New Works
Virgin Media	Shannagh Park, Carrickfergus	New Works
Virgin Media	Johnston Court, Carrickfergus	New Works
Firmus Gas	Beech Drive, Ballymena	New Main
Firmus Gas	Dunfane, Ballymena	New Main
Firmus Gas	Brigadie, Ballymena	New Main
Firmus Gas	Beech Grove, Ballymena	New Main
Firmus Gas	Beech Grove Manor, Ballymena	New Main
Firmus Gas	Deramore, Ballymena	New Main
Firmus Gas	The Rosses, Tullygarley	New Main

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



## Winter Service 2017/2018

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.

Mid and East Antrim Depots grit 598km of roads during a scheduled action using 9 gritters and 34 staff on rota. Due to the dualling of the A26 the length gritted in Mid and East Antrim Depots has increased by 7.1km. 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. During the last winter DfI Roads carried out 132 equivalent full salting actions during the 2017-18 Winter Season; the first action being on 7th November 2017 and the last on 4th April 2018. Approximately 11,890 tonnes of salt was used. This has been the busiest winter service season on record.

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 DfI Roads maintained weather stations across Northern Ireland. An additional 4 stations maintained by the DBFO companies with further data provided from 10 sites in the Republic of 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

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## 3.1 Network Development

### Completed Minor Improvement Schemes 2017/2018

#### **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 Vehicle Restraint System along the adjacent verges on either side. The parapet and VRS are complete as shown in the photo below.



#### **Browndod Road/Carnduff Road, Larne - Visibility Improvement - £22,500**

This scheme to improve the sightlines on both sides of the junction for traffic emerging from Carnduff Road onto Browndod Road, Larne. The scheme started on 5th September 2017 and was completed on 17th November 2017. The before and after pictures below, show the significant improvement effected at this junction.



## **Proposed Minor Improvement Schemes 2018/2019**

Network Development currently has a very limited budget to carry out Minor Improvement schemes in 2018/19. However, the following scheme has been designed in detail and are ready to be taken forward to construction if finance becomes available.

### **Rathkeel Road, Broughshane - Footway Provision - £279,000**

The scheme provides a footway from Buckna Road for approximately 450m to the south east towards the 30mph limit. The scheme also incorporates improvements for traffic emerging from Buckna Road onto Rathkeel Road as well as street lighting improvements. Land was acquired opposite the houses to provide space along the front of residential properties to facilitate construction of the new footway. The scheme began earlier than expected due to the securing of funding last financial year and is expected to be complete in early June 2018. It is planned 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 the use of limited resources.

### **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 enhance driver safety.

### **Cloughwater Bridge, Clogh - Vehicle Restraint System - £30,000**

The proposed scheme will provide a safety barrier along the river bank and raise the existing parapet approaching the bridge from the Clogh side.

### **Fenaghy Road, Cullybackey - Footway - £25,000**

This scheme will extend the footway from Cullybackey to Galgorm Manor Resort and Spa. The majority of the footway will be accommodated within the existing verge but some land has been acquired to complete the scheme.



## 3.2 Traffic

### Completed Traffic Schemes 2017/2018

#### *Traffic Management Scheme.*

##### **Ahoghill Village - Road safety measures - £25,000.**

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

#### *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 reported collisions was undertaken and a scheme has been developed and implemented to improve road safety at the junction. The scheme involves the relocation of the "STOP" line on Pound Street, the removal of sign clutter and the introduction of additional road markings and red hatching on the approach to the junction (see photo Below).



##### **A26 Lisnevenagh Road. Ballymena - £60,000**

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. The centre line and cat's eye's have been renewed along the Mid and East Antrim portion of the route and the drive left bollards at all junctions and crossing points have been replaced with high visibility flexible bollards.

## Completed Traffic Schemes 2017/2018 (cont.)

### *Transportation - Pedestrian Measures*

#### **Parkway, Zebra crossing upgrade, Ballymena - £15,000**

The work to upgrade the existing pelican crossings across Parkway from the rear of the Fairhill Centre to Market Road is now complete. This work included the provision of improved LED street lighting and Belisha Beacons as well as high friction surfacing on the approaches to the crossing. The work improves pedestrian safety by enhancing the presence of the crossing as seen below.



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

The upgrade of the existing zebra crossing on High Street at Main Street in Larne is now complete. The work involved 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 improve pedestrian safety by enhancing the presence and impact of the crossing.

#### **Scotch Quarter, Carrickfergus - £7,000**

A scheme has been 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.

### **Minor Traffic Management Measures**

#### ***Traffic Control Permits***

370 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.



## Completed Minor Traffic Management Measures 2017/18 (cont.)

### Traffic Signs and Carriageway Markings

The following improvements and additional traffic signs and carriageway markings have been provided.

#### *Carriageway Markings*

Victoria Road, Carrickfergus – provision of a ‘Keep Clear’ marking.  
Elizabeth Avenue, Carrickfergus – Introduction of double yellow lines.  
Rawbrae Road, Whitehead – provision of ‘SLOW’ marking.  
A2 Belfast Road, Whitehead – provision of 2 ‘SLOW’ markings.  
A2 Larne Road, Eden – Provision of ‘Keep Clear’ marking.  
West Link, Larne – Provision of ‘Keep Clear’ marking.  
Killyglen Road – Provision of ‘Keep Clear’ markings.  
Mill Brae, Larne – Enhance centre line, hatching and double yellow lines.  
Paisley Road, Carrickfergus – Provision of bend warning signs and ‘SLOW’ markings.  
North Road / Oakland Park, Carrickfergus – Double yellow lines at junction.  
North Road / Oakfield Drive, Carrickfergus – Double yellow lines at junction.  
Sunnylands Avenue, Carrickfergus – Provision of parking bay and ‘Keep Clear’ markings.  
Taylor’s Avenue, Carrickfergus – Provision of ‘Keep Clear’ marking.  
McKeen’s Avenue, Carrickfergus – Provision of ‘Keep Clear’ marking.  
Low Road, Islandmagee – Provision of edge of carriageway markings.  
Millbay Road / Low Road, Islandmagee – Enhancement of junction markings.  
Pound Street / High Street, Larne – Provision of a yellow box at the traffic signals and enhancement of the junction markings.  
Curran Road, Larne – Provision of ‘PATROL’ markings at Olderfleet Primary School.  
Killyglen Road, Larne – Provision of ‘KEEP CLEAR’ marking.  
Ballycraig Ring, Larne - Provision of ‘KEEP CLEAR’ marking.  
A2 Coast Road, Glenarm – Provision of ‘SCHOOL’ markings at Seaview Primary School.  
A2 The Clooney, Carnlough – Provision of ‘SLOW’ marking.  
Toome Road, Ballymena – marking at entrance.  
Bog Road, Ballymena – provision of ‘SLOW’ markings.  
Straid Road, Ahoghill – provision of ‘SLOW’ markings.  
Largy Road, Grange – provision of ‘SLOW’ markings.  
Loan Road, Cullybackey - provision of ‘SLOW’ markings.  
Cullybackey Main Street – provision of 2 bollards.  
Coast Road, Larne – Provision of carriageway edge line.  
Edward Avenue, Larne – Provision of ‘Keep Clear’ marking.  
Linn Road, Larne - Provision of ‘Keep Clear’ marking.  
Cranfield Park, Larne - Provision of ‘Keep Clear’ marking.  
Killyglen Link, Larne – Provision of ‘SLOW’ and junction markings.  
Moss Road, Larne – Provision of junction markings.  
Lower Ballyboley Road, Larne – Provision of ‘SLOW’ markings.  
Lower Cairncastle Road, Larne – Upgrade ‘SCHOOL’ signage with high visibility backing boards.

## Completed Traffic Signs and Carriageway Markings 2017/18 (cont,)

The following improvements and additional traffic signs and carriageway markings have been provided.

### *Carriageway Markings*

Greenwood Park, Carrickfergus – Provision of double yellow lines at junction with Prince Andrew Way.

Emerald Drive, Carrickfergus - Provision of double yellow lines at junction with Edenvale Avenue.

Bluefield Way, Carrickfergus – Provision of ‘Keep Clear’ marking.

Maritime Drive, Carrickfergus – Refresh school zig-zag lines.

Carnview Park, Ballymena – Provision of ‘Keep Clear’ marking and double yellow lines at junction with Carniny Road.

Exchange Road, Larne – Provision of ‘Keep Clear’ markings and refresh existing double yellow lines and parking bays.

Agnew Street, Larne – Refresh existing road markings.

### *Traffic Signs*

Oakfield Drive, Carrickfergus – Enhanced priority signage.

Braepark Road, Kilwaughter – Provision of directional signage for Upper Ballyboley Primary School.

Low Road, Islandmagee – Provision of directional signage for Millbay.

Straid Road, Ahoghill – provision of chevrons.

Loan Road, Cullybackey – provision of chevrons.

Main Street Broughshane – provision of “Frail pedestrians” crossing signs.

Carniny Primary School – new school signs.

Knockan Road and Raceview Road, Broughshane – Provision of ‘Waterfowl Park’ signs (see below).



## **Proposed Traffic Schemes 2018/19**

### ***Traffic Management Schemes.***

#### **Part time 20mph on A2 at Model Primary School, Carrickfergus - £30,000**

Legislation is now in place to allow implementation of a part time 20mph speed limit on the A2 at the Model Primary School in Carrickfergus, during school entrance and leaving times. It will consist of near-side 20mph signs with 'wig wag' lights that will flash during pre-programmed times when the speed limit is enforceable by PSNI. They have been proven as an effective method of speed reduction at other locations and this scheme will reduce traffic speeds in the vicinity of the school where vulnerable road users, such as children, regularly cross the road. The scheme has the full support of Mid and East Antrim Council, the Model Primary School and PSNI.

#### **A26 Crankill Road, Teeshan to Glarryford, Dunminning - £15,000.**

A Traffic Management scheme is proposed to rationalise the signs and road markings on the A26 Crankill Road between Teeshan and Glarryford. The centre line and cat's eyes are to be renewed along this stretch of the route and the "keep left" signs & bollards at all junctions and crossing points will be replaced with high visibility flexible bollards.

#### **Marine Highway / Joymount, Carrickfergus. Traffic Signal upgrade - £30,000.**

A scheme is proposed to upgrade the traffic signals at Marine Highway / Joymount junction. The current installation is coming to the end of its serviceable life and requires a complete upgrade. The opportunity will be taken to install new LED lights and low energy equipment.

### ***Collision Remedial Scheme.***

#### **M2 off slip at A42 Raceview Road, Ballymena - £20,000.**

A scheme is being developed for the M2 off slip at Raceview Road junction to address a history of collisions at the junction and the safety issue of vehicles queuing back onto the M2. The plans involve stopping up the central reservation and forcing Broughshane bound vehicles to turn left and travel towards Broughshane via the roundabout at Fry's Road (Ecos). This will improve the capacity of the junction and directly address the primary cause of collisions at this location.

### ***Traffic Calming scheme.***

#### **Kells Village, road safety measures - £25,000.**

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

### ***Transportation - Pedestrian Measure.***

#### **Broughshane Road / Cushendall Road, Ballymena. Zebra crossing upgrade - £28,000**

Plans to upgrade the existing pelican crossing across Broughshane Road at All Saints Church are now complete. This work includes 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 improve pedestrian safety by enhancing the visibility of the crossing.

### 3.3 Street Lighting

The total number of lights in the Council area is now 22536.

We are currently providing a normal street lighting repair service and will continue to do so as long as funding permits.

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

#### Completed Schemes 2017/2018

Area	Location	No. of Lanterns complete	Scheme type
Ballymena	Carnhill Estate	9	Upgrade
Ballymena	Concorde Park	4	Upgrade
Ballymena	Cambridge Avenue	16	Upgrade
Ballymena	Mount Pleasant	8	Upgrade
Woodgreen	Woodgreen Road	3	Upgrade
Ballymena	Tullyglass Park	9	Upgrade
Ballymena	Thornlee Avenue	6	Upgrade
Larne	Edward Avenue	32	Upgrade
Larne	Upper Cairncastle Road (Phase I)	15	Upgrade
Larne	Upper Cairncastle Road (Phase II)	15	Lantern upgrade
Carnlough	Harbour Road	13	Upgrade
Larne	West Link (Phase I)	30	Lantern upgrade
Larne	West Link (Phase II)	35	Lantern upgrade
Ballymena	Parkway	36	Lantern upgrade
Ballymena	North Road	53	Lantern upgrade
Ballymena	Larne Road Link	56	Lantern upgrade
Ballymena	Moorlands	11	Lantern upgrade
<b>Total number of lights working</b>		<b>361</b>	

## Proposed Schemes for 2018/2019

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

<b>Area</b>	<b>Location</b>	<b>Scheme type</b>
Ballymena	Dunluce Park	Upgrade
Ballymena	Gortin Way	Upgrade
Ballymena	Long Common	Upgrade
Ballymena	Pennyhill Drive	Upgrade
Ballymena	Kenbane Crescent	Upgrade
Ballymena	Brocklamont Crescent	Upgrade
Ballymena	Wakehurst Road	Upgrade
Ballymena	Broughshane Road	Upgrade
Ballymena	Cushendall Road	Upgrade
Ahoghill	Balnafie Road	Upgrade
Cullybackey	Kilmakevit (Phase II & III)	Upgrade
Portglenone	Mull Park & Court	Upgrade
Carrickfergus	Davy Street (Phase I)	Upgrade
Carrickfergus	Alexander Road	Lantern upgrade
Carrickfergus	Downview Estate (Phase I)	Lantern upgrade
Whitehead	Cable Road	Lantern upgrade
Whitehead	Kings Road	Lantern upgrade

## Additional Proposed Schemes for 2018/2019

<b>Area</b>	<b>Location</b>	<b>Scheme type</b>
Larne	Roddens Court	Upgrade
Larne	Seacourt Estate (Phase I)	Upgrade
Larne	Hillmount Gardens (Phase I)	Upgrade
Larne	Dunboyne Avenue & Park	Upgrade
Larne	Harbour Highway (Phase I)	Lantern upgrade
Cullybackey	Main Street	Lantern upgrade
Ballymena	Ballymoney Road (Phase I)	Lantern upgrade
Ballymena	Queen Street	Upgrade
Ballymena	Larne Road Link (Phase II)	Lantern upgrade
Ballymena	Teeshan Junction	Lantern upgrade
Ballymena	Antrim Road	Upgrade
Carrickfergus	Marine Highway (Phase I)	Lantern upgrade
Carrickfergus	Marshallstown Road (Phase I)	Lantern upgrade
Carrickfergus	Davys Street (Shore Rd to Menorca Place)	Upgrade
Ballygalley	Croft Avenue (Phase I)	Upgrade



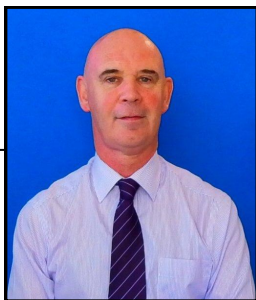
## SECTION 4

# NETWORK PLANNING

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## 4.1 Development Control

### Planning Applications

The Council forward planning applications to the Development Control Section of DfI Roads 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 2017 to 31 March 2018 Development Control Section dealt with:-

Planning Applications	870
Pre-Planning Enquiries	850
Planning Applications involving Private Streets Order	35

### Adoptions

The Department adopted a total of 2185m of carriageway and 207m of footway. Developments adopted are listed below:-

<b>Adoptions</b>	<b>Carriageway (m)</b>	<b>Footway (m)</b>	<b>Date</b>
Millwater Lodge, Ahoghill	175	120	04/04/17
Oakdene, Larne	0	17	24/04/17
Leighinmohr Avenue, Ballymena	120	0	22/05/17
Rose Place, Islandmagee	137	0	24/05/17
The Old Mart, Martinstown	231	60	10/07/17
Drumtara Play Area, Ballee	0	10	10/07/17

## Adoptions (cont.)

<b>Development</b>	<b>Carriageway (m)</b>	<b>Footway (m)</b>	<b>Date</b>
Eaton Fields, Ballymena	241	0	24/08/17
Rosburn Manor, Kells	231	0	14/09/17
Woodland Grove, Ballymena	200	0	20/09/17
Brackenridge, Carrickfergus	56	0	03/10/17
Orland Meadows, Carrickfergus	103	0	06/11/17
Riverdale Park, Portglenone	166	0	05/12/17
Porter Green, Larne	467	0	05/12/17
North Road, Carrickfergus	58	0	02/01/18

## 4.2 Maintenance of Structures

### Completed Maintenance of Structures 2017/2018

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
U41	Mackeystown	Removal of vegetation, repair of deck soffit and upgraded parapets as pictured below.	£43,000



A36	Lynn's Bridge	Construction of a new retaining structure, erecting vehicle restraint barriers and re-building the parapet along with road resurfacing.	£ 140,000
C60	Forttown Bridge	Repair of the undermined and displaced wingwall.	£3,000
U100	Kilmakee Bridge	Repaired parapet after storm damage.	£2,500
A2	Carnduff Bridge	Removal of vegetation and repair of the parapet.	£2,000
C54	Carnearney Bridge	Rebuilding of the parapets.	£15,000
B96	Gortaheran Bridge	Rebuilding of the parapets and repair of the invert.	£7,000

**Maintenance of Structures work completed at a total cost of £102,500**

## Proposed Structural Maintenance Work 2018/2019

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

Route No	Name	Description	Estimate
U105	Barnhalt Bridge	Repair of the embankment damaged after the fire.	£60,000
C42	Moorfields Bridge	Repair of spandrel walls and upgrade of the drainage on the road.	£20,000
C71	Thistle Dhu Brisge	Repair of the scoured apron and damaged wingwall.	£35,000
B98	Shank Bridge	Rebuilding a section of parapet, removal of the vegetation, re-pointing and repair of the coping.	£20,000
A42	Portglenone Bridge	Removal of the vegetation from the parapets and cutwaters. Repair of the parapet railings.	£8,000
C68	Carrowcowan Bridge	Repair of the parapets.	£5,000

**Proposed structural maintenance work at a total cost of £148,000**

## Proposed Road Restraint System Upgrade Work 2018/19

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

Route No.	Name	Description	Estimate
A26	Ballymena Road	Upgrade Vehicle Restraint System to meet current policy and specification	£70,000
B64	Springmount Road	Upgrade Vehicle Restraint System to meet current policy and specification.	£30,000
C56	Corbally Road	Upgrade Vehicle Restraint System to meet current policy and specification.	£30,000

**Road Restraint System Upgrade Work Proposed at an estimated cost of £130,000**



**MID & EAST ANTRIM  
DISTRICT COUNCIL**

**GRITTING ROUTES**

