




Department for

Infrastructure

An Roinn

Bonneagair

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**DfI Roads
NORTHERN DIVISION
Annual Report
2019/2020
to
Antrim and Newtownabbey
Borough Council
Spring 2019**

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Foreword

The Mayor, Aldermen and Councillors Antrim & Newtownabbey Borough Council

The opening capital allocation for structural maintenance is similar to last year and this will enable the local Section Offices to plan to deliver a reasonable programme of resurfacing schemes. A portion of this allocation has been provided as an ongoing 'Roads Recovery Fund' which gives flexibility to the DfI staff to target those roads which have been adversely impacted by recent under funding. Thankfully the winter which has just past, was much milder than is typical, and so the deterioration of the road network has not accelerated. This will assist us as we manage the condition of our roads during this period of continued pressure on public expenditure. The opening allocation for routine maintenance is also similar to last year which means that we can deliver two grass cuts across the network, a single gully clean and the intervention level for potholes on lightly trafficked roads remains at 50mm.

Could I draw the Councillors' attention to two recent reports which outline the pressure faced in the area of road maintenance. Firstly, a report by the Northern Ireland Auditor General identified that *'a growing maintenance backlog of £1.2 billion exists as a result of long-term underfunding'*. This same issue was highlighted in the Barton Review which concluded that £143m should be spent annually on the road network in Northern Ireland to ensure it is fit for purpose, and over the last five years this figure has been no more than £100m annually.

It is clear more needs to be done but can I assure you that the staff in DfI Roads are working hard to ensure the funding we are provided is targeted to provide the most benefit to the travelling public. I also wish to thank the Council for its continued support of DfI and for the good working relations which are a benefit to both organisations.

David Porter
Divisional Roads Manager

Northern Division is one of four Client Divisions within DfI Roads. 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



David Porter
Divisional Roads 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.

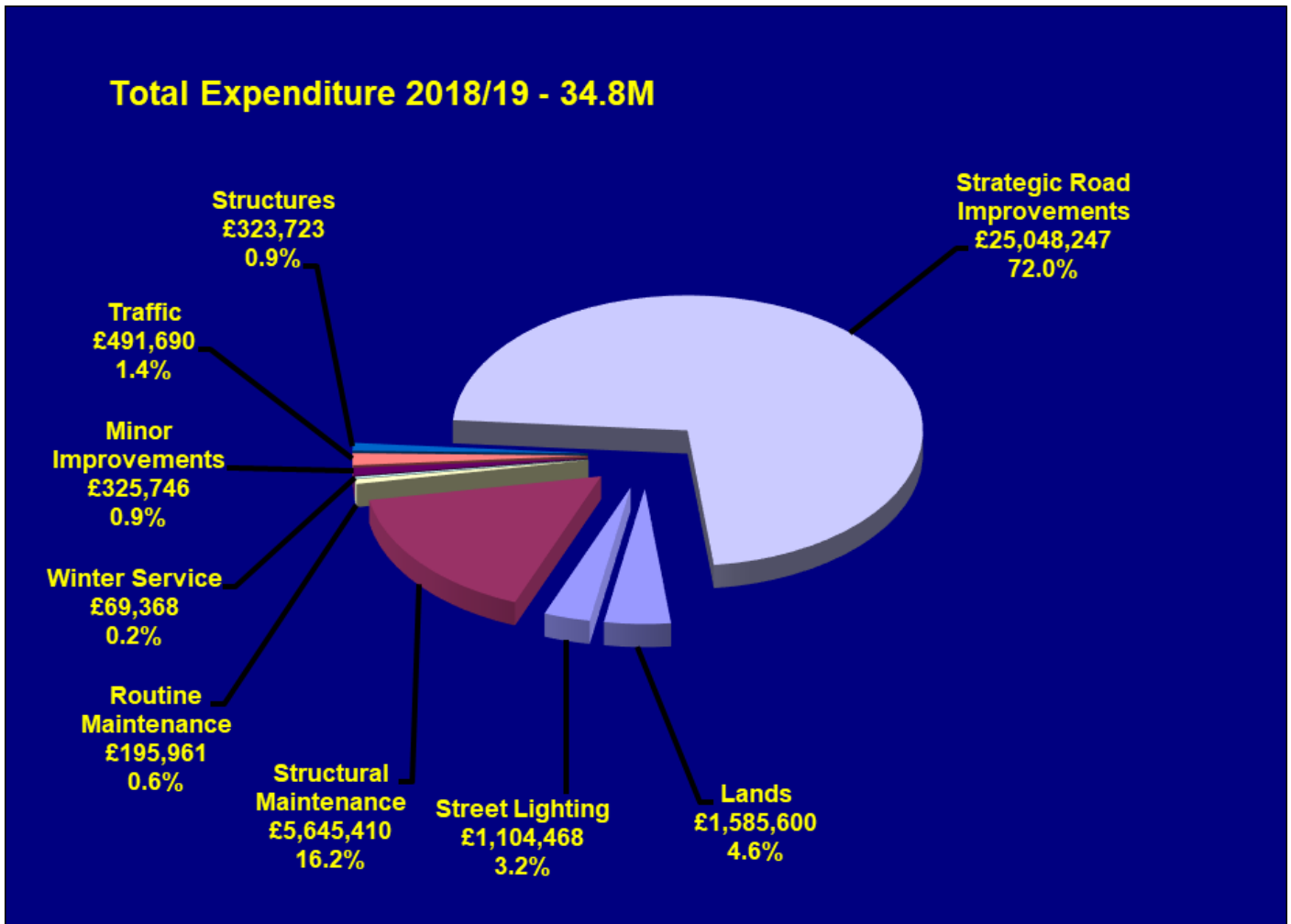


Alan Keys
Network Development Manager
Minor improvements; Traffic management; Street lighting capital & maintenance; Estimates and allocations for local transport & safety measures; On street parking and Park and Ride/Share parking.



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

Antrim & Newtownabbey Borough Council 2018/19 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

Senior staff



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1.1 A6 Randalstown to Castledawson Dualling

(Being dealt with by Dawson Wray)

This scheme will provide a continuous dual carriageway from the western end of the M22, near Randalstown, to the Castledawson Roundabout, reducing journey times and improving road safety. The £185m scheme is 15km / 9 miles long in two main sections each side of the Toome Bypass, and commenced in June 2017.

Between Randalstown and Toome, construction is in the final stages. All earthworks, structures and landscape planting are complete, road construction is well advanced, and finishing off elements of surfacing, safety fences and signs will continue over the next couple of months. It is planned that this section will open to the travelling public over the summer 2019.



Some of the section from Toome to Castledawson Roundabout is online and consists of the upgrade of the Castledawson Bypass to dual carriageway, and includes a second bridge over the Moyola River. The remaining length is offline from Broagh, crossing the Hillhead and Deerpark Roads, and joining into the Toome Bypass. Earthworks and structures continue along this section. The Department does not carry out works between Toome Bypass and Deerpark Road October to mid-March, and works have recently re-commenced in that area. It is planned to open the section from Toome to Castledawson in 2021.

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

The scheme website is at www.a6rcdualling.co.uk



Bridge Construction

1.2 A6 Londonderry to Dungiven

(Being dealt with by Colin Hutchinson)

This flagship project, the largest dual carriageway project to be delivered in Northern Ireland represents an investment in the region of £220 million. This project will upgrade 25.5km of the A6 between Drumahoe and Dungiven to dual carriageway standard and includes a bypass of Dungiven.

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

Project construction started in September 2018 with site clearance, fencing and earthworks getting underway close to Foreglen village. To date, the design and construction continues to progress well with 80-90% site clearance having been completed which includes topsoil strip / vegetation removal & building demolition. Approximately 21km of permanent fencing has also been erected to date.

Whilst the focus of the earthworks had been in the vicinity of Feeny Road, Munreary Road, Foreglen and Liberty Glen, earthworks has now been extended out to approximately 10km of the project. Blast operations at Foreglen commenced in January to improve the efficiency of rock excavation, with 20,000m³ being excavated on a weekly basis. Approximately 450,000m³ of rock has been excavated and deposited to fill locations east and west of Foreglen. Concrete works to two main structures has also commenced.

It is anticipated over the next few months, the earthworks operations will continue with the benefit of the longer working days and the construction of further mainline structures will get underway. Construction is expected to be completed by spring 2022.



Construction works at Foreglen

SECTION 2

NETWORK MAINTENANCE

Network Maintenance Manager: Gary Quinn

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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.

2.1 Maintenance Programmes

Completed Resurfacing 2018/19

Route No.	Road Name / Location	Length (m)
A57	Templepatrick Road, (A6 Templepatrick to Ballymartin P&R).	800
A6	Antrim Road, (Bellvue Bridge to Church Way) Glengormley.	800
A26 / A57	Killead Roundabout, Antrim.	170
A26	Oldstone Road (Belfast Rd to Ballyrobin Rd), Antrim.	4210
B94	Collin Road (Five Corners to Braepark Road) Ballyclare.	3550
B59	Doagh Road (A8 Houstons Rbt to Carnmoney Rd Nth).	1205
C27	Lylehill Road (Loanends to Umgal Rd), Templepatrick.	2800
Total Completed Resurfacing		13.5km
At a cost of		£2,884,000

Proposed Resurfacing 2019/20

Route No.	Road Name / Location	Length (m)
C27	Lylehill Road, Templepatrick.	1600
C26	Long Rig Road, Crumlin.	1650
C26	Printshop Road, Templepatrick.	2340
B59	Doagh Road (Monkstown Rd—Monkstown Avenue), N'abbey.	500
B95	Mallusk Road (Hightown Road— Enterprise Way), Mallusk.	700
A6	Ballygrooby Roundabout, Randalstown.	500
Total Proposed Resurfacing		7.29km
At a cost of		£1,600,000

Completed Resurfacing (Road Recovery Fund) 2018/19

Route No.	Road Name / Location	Length (m)
U1104	Aughnabrack Road, Mallusk.	200
U1104	Boghill Road, Templepatrick.	1120
U1107	Upper Rickamore Road, Templepatrick.	650
U1105	Gibsonstown Road, Templepatrick.	80
U1123	Kilcross Road, Crumlin.	122
U1131	Grange Road, Crumlin.	728
U1136	Ballydonaghy Road, Crumlin.	280
U1144	Blackstown Road, Aldergrove.	470
U1145	Ardmore Road, Crumlin.	340
U1148	Loughview Road, Aldergrove.	154
U1149	Townland Road, Aldergrove.	380
U1151	Corbally Road, Aldergrove.	105
U1016	Groggan Road, Moneyglass.	330
U1230	Sheiling Grange, Crumlin.	86
U0419	Fairhill Crescent, Carnmoney.	120
B90	Old Carrick Road, Mossley.	120
U0400	Hightown Park And Gardens, Mallusk.	218
U0456	Merville Garden Village, Newtownabbey.	231
C30	Scullions Off Slip, Mallusk.	80
U0417	Manse Drive, Mossley.	150
U0417	Manse Way, Mossley.	245
U0405	Sandyknowes Avenue, Way and Park, G'Gormley.	409
C38	Ballynashee Road, Ballyclare.	151

Completed Resurfacing (Road Recovery Fund) 2018/19 cont.

Route No.	Road Name / Location	Length (m)
U0419	Farmley Crescent, Glengormley.	250
A6	Antrim Road/ Burneys Lane, Glengormley.	32
B53	Craigstown Road, Randalstown.	565
B53	Ferniskey Road, Kells.	184
A8	Ballyclare Rd at Ballycraigy Rd, Mossley.	50
U0415	Ballyvessy Lodge, Mallusk.	10
C28	Ballybentragh Road, Templepatrick.	862
C49	Barnish Road, Randalstown.	20
C52	Derrygowan Road, Randalstown.	828
U0409	Derryhill, Newtownabbey.	50
U0405	Harmin (Phase 1), Glengormley.	1997
U0409	Inniscarne Drive, Newtownabbey.	50
U0040	Lisglass Road, Straid.	70
U0056	Lismenary Road, Ballynure.	100
U0048	Moyra Road, Doagh.	50
U0411	Queens Park, Glengormley.	840
U0411	Richmond Road, Glengormley.	1410
C52	Staffordstown Rd Toome, Randalstown. (Patching)	various
C51	Ballymatoskery Road, Toome.	165
U1182	Steeple Road, Antrim. (Patching)	various
U1223	Park Green, Randalstown.	106
U1223	Springway, Randalstown.	130
C36	Straid Road, Ballynure.	60

Completed Resurfacing (Road Recovery Fund) 2018/19 cont.

Route No.	Road Name / Location	Length (m)
U1049	Old Castle Road, Antrim.	511
U1050	Ballylurgan Road, Randalstown.	1259
U1057	Dunsilly Road, Antrim.	288
U1062	Niblock Road, Antrim.	609
U1084	Whappstown Road, Kells.	1370
U1100	Kilmakee Road, Templepatrick.	572
U1182	Steeple View, Antrim.	930
U1188	Hollowburn Road, Antrim.	425
U1197	Durnish Road, Antrim.	141
U1223	Neillsbrook Park, Randalstown.	446
U1223	Neillsbrook Road, Randalstown.	236
U1223	Park Green, Randalstown.	106
U1223	Springway, Randalstown.	130
U0424	Ballyfore Park, Newtownabbey. (Patching)	various
U0424	Ballyduff Gardens, Newtownabbey. (Patching)	various
U0424	Ballyfore Walk, Newtownabbey. (Patching)	various
U0050	Dunamoy Road, Ballyclare. (Patching)	various
B0095	Mallusk Road at Tudor Park, Mallusk.	60
Total Completed Resurfacing (Roads Recovery Fund)		21.7km
At a cost of		£800,000

Proposed Resurfacing (Road Recovery Fund) 2019/20

Route No.	Road Name / Location	Length (m)
U1081	Islandreagh Road, Antrim. (A6 to Antrim)	150
U0424	Beverley Avenue, Newtownabbey. (Patching)	various
U0424	Beverley Crescent, Newtownabbey. (Patching)	various
U0424	Beverley Drive, Newtownabbey. (Patching)	various
U0424	Beverley Gardens, Newtownabbey. (Patching)	various
U0424	Beverley Grove, Newtownabbey. (Patching)	various
U0424	Beverley Park, Newtownabbey. (Patching)	various
U0025	Carnanee Road, Templepatrick. (Patching)	various
U0424	Waverley Crescent, Newtownabbey, (Patching)	various
B59	Doagh Road at Steens Corner, Newtownabbey.	350
U1001	Doone Road, Moneyglass.	800
C108	Fountain Hill, Antrim.	300
U0403	Sentry Lane, Mallusk.	120
U0407	Longlands Avenue, Newtownabbey.	120
U0409	Inniscarne Drive/ Glenbane Avenue, Newtownabbey.	70
U0409	Old Irish Highway, Newtownabbey.	100
Total Proposed Resurfacing (Roads Recovery Fund)		2.01km
At an estimated cost of		£475,000

Completed Footway Resurfacing 2018/2019

Route No.	Road Name / Location	Length (m)
F0421	Monkstown Estate, Newtownabbey.	1600
F1184	Corbally Estate, Antrim.	2750
U0452	Castleton Park, Ballynure.	125
F1182	Parkhall Estate, Antrim.	5800
F1185	Rathkyle Estate, Antrim.	650
Total Completed Footway Resurfacing		10.095km
At cost of		£500,000

Proposed Footway Resurfacing 2019/20

Route No.	Road Name / Location	Length (m)
F0419	Tulleevin Estate, Newtownabbey.	850
F0419	Knockenagh Walk, Newtownabbey.	1300
Total Proposed Footway Resurfacing		2.15km
At an estimated cost of		£150,000

Completed Surface Dressing 2018/19

Route No.	Road Name / Location	Length (m)
U0033_02	Ashley Road, Mossley.	1118
U0043_02	Ballybracken Road, Doagh.	5713
U0015_01	Ballyearl Road, Mossley.	992
C38_02	Ballynashee Road, Ballyclare.	1952
U1104_02	Boghill Road, Templepatrick.	5672
C39_06	Breckenhill Road, Doagh.	3279
U1096_01	Bryantang Brae, Doagh.	1061
C73_01	Castle Road, Ballynure.	1637
U0044_02	Cogry Road, Doagh.	3366
U0034_01	Cullyburn Road, Mossley.	1826
U0055_01	Douglasland Road, Doagh.	675
U0053_02	Drumadarragh Road, Doagh.	2303
U1095_01	Holestone Road, Doagh.	1495
C31_08	Irish Hill Road, Mossley.	5072
U0031_02	Kingsmoss Road, Ballyrobert.	1147
U0048_01	Lower Rashee Road, Doagh.	2151
U1091_01	Old Ballybracken Road, Doagh.	3494
U0053_01	Orpinsmill Road, Ballyclare.	1094
U0015_02	Reahill Road, Mossley.	1580
U0045_01	Rectory Road, Doagh.	1465
C38_01	Sawmill Road, Ballyclare.	1775
C39_07	Tildarg Road South, Ballyclare.	1448
C42_01	Tildarg Road, Doagh.	7245

Completed Surface Dressing 2018/19 cont.

Route No.	Road Name / Location	Length (m)
U0444_10	Trenchill Avenue, Ballyclare.	321
C0037_01	Springvale Road, Doagh.	1831

Total Completed Surface Dressing 60.0km
At a cost of £266,000

Proposed Surface Dressing 2019/20

Route No.	Road Name / Location	Length (m)
U1105	Gibsonstown Road, Templepatrick.	2106
U1104	Umgal Road, Templepatrick.	1296
U1127	Carn Road, Nutts Corner. (part 1)	795
U1127	Carn Road, Nutts Corner. (part 2)	669
C27	Lylehill Road Lower, Belfast.	534
U1125	Ballymather Road, Nutts Corner.	2174
U1126	Ballyhill Lane, Nutts Corner.	1886
U1130	Boltnaconnell Road, Nutts Corner.	975
U1124	Grove Road, Loanends.	1554
C25	Carmavy Road, Killead.	2785
C25	Carmavy Road, Loanends.	1881
U1123	Kilcross Road, Loanends.	1535
U1131	Grange Road, Loanends.	1551
U1130	Lisnataylor Road, Nutts Corner. (part 1)	1532
U1130	Lisnataylor Road, Nutts Corner. (part 2)	1032
U1131	Straidhaven Road, Nutts Corner.	1702
U1153	Greenhill Road, Belfast.	1156
B154	Carnaghliiss Road, Dundrod. (part 1)	848
B154	Carnaghliiss Road, Dundrod. (part 2)	2008
U1128	Calvert Road, Nutts Corner.	397
U1129	Ballykennedy Road, Nutts Corner.	2293
	Additional roads in Crumlin and Templepatrick area	29000

Total Proposed Surface Dressing 60.0km

At an estimated cost of £300,000

Completed Drainage Work 2018/19

Route No.	Road Name / Location	Length (m) / No. of gullies and access chambers
B518	Ballycraigy Rd, Antrim.	Repairs to drainage pipe on footway.
U1061	Kilgavanagh Rd, Antrim.	Carry out repairs to the existing culvert.
U1148	Loughview Rd, Crumlin at Boat House End.	Upgrade the existing drainage system.
C24	22 Ballyquillan Rd, Antrim	Provide 2 No. Gullies as prevention of farm land flooding.
A6	Belfast Rd, Antrim at Ballycraigy.	Carry out repair to broken pipe.
U1009	Dunene Rd, Toome.	Provide new carriageway gully
C42	Tildarg Rd, Antrim at No.91.	Provide patch to cross-fall.
C44	74 Crosskennan Rd, Antrim .	Provide 1No. Gully to prevent land flooding.
C53	Taylorstown Rd, Antrim at GAA.	Reset gully to catch road water.
A26	Ballymena Road, Antrim.	Maintenance at Railway Bridge.
U1013	47a Clonkeen Road, Randalstown.	Upgrade the existing drainage system.
C24	British Rd, Antrim at Pens.	Upgrade the existing drainage system.
U1183	Old Steeple Rd, Antrim.	Upgrade the existing drainage system.
U1183	Menin Rd, Antrim at PSNI.	Carry out repairs to drainage pipe.
B52	Portglenone Rd, Randalstown at Raineys.	Provide gully to catch run-off.
U1088	Bowdodd Rd, Parkgate.	Provide gully to catch run-off.
C45	98 Steeple Rd, Antrim .	New system to prevent farm land flooding.
U1117	Oldstone Hill, Antrim at Watts Farm.	Pipe sheugh.

Completed Drainage Work 2018/19 cont.

Route No.	Road Name / Location	Length (m) / No. of gullies and access chambers
U1087	Ballygowan Rd, Doagh at Ballymena Rd.	Replacement of culvert.
C52	Staffordstown Rd, Randalstown.	Move gullies from the wheel track.
C23	Diamond Road, Crumlin.	Replacement of culvert.
A8	Belfast - Larne Road.	New soakaways
A6	Castle Rd, BallyGrooby, Randalstown.	Sheugh maintenance.
U1046	Magherabeg Rd, Randalstown at C48.	Sheugh maintenance.
U1037	Creeve Rd, Antrim at No.15.	Provide c'way gully
U1015	38 Tannaghmore Rd, Antrim.	Carry out repairs to broken pipe on verge.
B59	Doagh Road - Mossley Rd, Mossley.	Provide gully connections
U0411	Queens Park, Glengormley.	Replacement gullies
U0405	Harim Park, Glengormley.	Replacement gullies
U0410	Church Crescent, Glengormley.	Replacement gullies
U0410	Elmfield Road, Glengormley.	Replacement gullies
C37	Church Road, Ballynure.	New gullies
U0440	Main Street, Ballynure.	Replacement of manholes and new sewer
B95	Old Coach Road, Templepatrick.	New kerbs, gullies & soakaway
C37	Church Road, Ballynure.	Sheugh maintenance.

Drainage Works completed at a cost of £ 235,000

Proposed Drainage Work 2019/20

Route No.	Road Name / Location	Length (m) / No. of gullies and access chambers
B18	Roguary Rd, Moneyglass at No. 152.	Install 200 metres of 600mm dia piping.
B52	183 Portglenone Rd, Randalstown.	Provide 'lego' blocks for verge slippage.
A522	Belfast Rd, Antrim at the Warren.	Upgrade existing drainage system carriageway.
C45	Steeple Rd, Antrim at Lislunna Rd.	Provide access chamber and pipe drainage system.
C28	Old Ballyrobin Rd, Antrim at B39.	Upgrade the existing drainage system.
U1024	Shore Rd Gallagher Rd, Toome.	Repair verge.
B18	Roguary Rd, Moneyglass.	Move gullies from the wheel track.
C48	Magheralane Road, Randalstown.	Culvert replacement.
C22	Largy Road, Crumlin.	Culvert replacement.
B95	Doagh Road, Ballyclare.	Repair drainage line.
B59	Doagh Road, Newtownabbey.	Provide 2 No. carriageway gullies.
U0421	Glenariff Park, Jordanstown.	New gully.
U0424	Ravelston Gardens, Carnmoney.	3 No. New gullies.

Proposed Drainage Works at an estimated cost of £200,000

Completed Major Utility Works 2018/19

Utility	Road Name / Location	Scheme Details
NI Water	Fountain Street, Antrim	Watermain Renewal
NI Water	Radox Road, Crumlin	Watermain Renewal
NI Water	Ballycorr Road, Ballyclare	Watermain Renewal
NI Water	Parkgate Village	Mains Renewal
NI Water	Brookfield Road, Burnside, Antrim	Mains Renewal
Virgin Media	Ballyclare Area	New Infrastructure

Proposed Major Utility Works 2019/20

Utility	Road Name / Location	Scheme Details
NI Water	North End, Rashee Rd and Ballyeaston Rd, Ballyclare	Mains Renewal
NI Water	Antrim Road, Templepatrick.	Mains Renewal
NI Water	Drumdarragh Road, Newtownabbey.	In progress

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

Winter Service 2018/2019

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.

The Antrim & Newtownabbey depot (based at Rathmore, Antrim) grits 270km of roads during a scheduled action using 4 gritters. Some of this salting is carried out on routes outside of the Council area and some routes within the Council area are gritted by depots from neighbouring Council areas with the aim to achieve optimum operational efficiency and complete a salting action in just over 3 hours, which is a difficult logistical exercise.

DfI Roads carried out 39 early evening and 28 early morning salting actions during the 2018 -19 Winter Season in Antrim & Newtownabbey; the first action being on 26th October 2018 and the last on 1st April 2019. Approximately 1,948 tonnes of salt was used (compared with a record 4,789 tonnes of salt used in the winter of 2017/18).

Due to the high costs involved to ensure salting is carried out when necessary and at the appropriate time, Northern Division have 11 Duty Controllers on rota. Controllers make the decision when to salt using a range of information including Met Office forecasts, real time information available from the 21 DfI Roads maintained weather stations across Northern Ireland and as necessary from scouting reports obtained from staff measuring road surface temperatures.

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.

[Roads salted network map](#)



SECTION 3

NETWORK DEVELOPMENT

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He is supported by:-



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3.1 Minor Improvements

Minor Improvement Schemes Programme 2018/19

Carntall Road, Newtownabbey - £95,000

This scheme provides a footway link on Carntall Road from existing housing to the Doagh Road junction. No existing verge width was available for the provision of the footway, so land was acquired for the proposed footway with a new hedge planted to the rear. The existing street lighting was also upgraded as part of the scheme.



Carntall Road - Completed Scheme

Proposed Minor Improvement Schemes 2019/20

Network Development currently has a very limited budget to carry out Minor Improvement schemes in 2019/20. However, subject to the availability of finance the following schemes will be considered for inclusion in the delivery programme.

The following proposals are currently being developed:

Airport Road, Antrim - footway.

This scheme will provide a 2m wide footway link from the existing footway at the Filling Station/ Retail Complex on Airport Road to the existing footway on the exit road from the Airport drop off area.

Jordanstown Road, Newtownabbey - footway.

This scheme will provide a 2m wide footway from Glenkeen Avenue to the existing 2m footway East of Glenkeen Avenue. The proposal will improve safety for pedestrians using the existing narrow footway.

Old Carrick Road, Newtownabbey - foot/cycleway.

This scheme will provide a 3m wide footway/cycleway on Old Carrick Road between Doagh Road and Monkstown Road.

Hydepark Road at Boghill Road, Mallusk

A scheme to widen the Hydepark Road to the west of Boghill Road has been designed and negotiations to purchase the necessary land are currently in progress. The provision of this scheme will allow improvement to the Bus Services in the Blackrock and Mayfield areas, as well as improving safety for motorists and pedestrians.

3.2 Traffic

Completed Traffic Schemes 2018/19

Traffic Management Schemes.

A6 Antrim Road / The Village, Templepatrick - £55,000.

Works to upgrade the existing traffic signal installation at Antrim Road/The Village junction in Templepatrick are now complete. The scheme included an upgrade of the existing controller and utilises MOVA (Microprocessor Optimised Vehicle Actuation) the latest traffic signal technology, which is designed to optimise traffic flow to help improve traffic progression and reduce delays through the junction. The scheme also included replacement of the signal heads and poles, as well as providing a left turn filter from the village towards Antrim to help traffic flow. An audible device will assist with pedestrian movement for the visually impaired.



Traffic Signal Upgrade, Templepatrick village.

Completed Traffic Schemes 2018/19 (cont.)

Collision Remedial Schemes.

Rashee Road /The Colin, Ballyclare - £10,000.

Following a route study on Rashee Road from Tildarg road to 'The Battery', double white line markings have been provided through areas of restricted visibility on 'The Collin' to prohibit overtaking on blind crests. Upgraded junction warning signs and additional chevron type signs have also been erected at some of the more acute bends on the road.

Antrim Area Hospital / Niblock Road Roundabout, Antrim - £10,000.

A scheme to provide 'Spiral markings' on the Antrim Area hospital roundabout in Antrim is now complete. This scheme clarifies lane destinations on the approach to the roundabout, helping to improve road safety and traffic progression.

Transportation - Pedestrian Measures.

Cloghfern junction, Newtownabbey - £18,000.

The zebra crossings at the Cloughfern Junction in Newtownabbey have been upgraded to improve the visibility of the crossings and pedestrian safety. This work involved the upgrading the existing belisha beacons and poles to high intensity LED lighting, as well as the enhancement of the existing road markings.

Minor Traffic Management Measures

A programme of sign replacement in the Antrim and Newtownabbey area has commenced to replace life expired signs. This programme will continue through the Council area as finances permit.

Traffic Signs and Carriageway Markings

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

Knockenagh	Bus Stop markings.
Roundabout (Ballyclare Road)	Extending central hatching.
Glenbroome Park	Centre Line and Give Way Junction.
Glebe Road West	I Marking.
Rathmore Drive	I Marking.
Tobar Glen	Lining Ramps/refreshing surrounding markings.
Elmfield Drive	No entry.
Princes Cres	Remove Disabled Bay.
Princes Drive	I Marking.
Rural Gardens, Glengormley	I Marking.
Trench Road	Double Yellow/Corner Restrictions.
Old Manse Rd	I Markings.

Completed Traffic Schemes 2018/19 (cont.)

Traffic Signs and Carriageway Markings

Circular Road/Chestnut Cottages	I Markings.
McKinney Road	Double Yellow.
Carnreagh Bend	Corner Restrictions.
Derry Road	Bus stop marking opposite no 7.
Wynland Gardens Glengormley	I marking.
Doagh Village	Yellow Boxes.
Ballycraigy/Ballyvessy Road Junction	Hatching & Slow at warning line.
Doagh Road	I marking.
Enterprise Way	Give Way, refresh 2x Giveaway and r/about.
Circular Road	Central Hatching.
Old Manse Road	I Marking.
Jordanstown Road/Linda Avenue	Double Yellow/Corner Restrictions.
Antrim Road/Moss Road	I Markings.
Sharonmore park/Ravelston Avenue	Give Way.
Burney's Lane/Derrymore Avenue	Give Way.
Elmfield Road	I Marking.
Moss Road	I Markings.
Ballydonaghy Road	Giveaway Markings at Staggered Junction
Oriel Road at mini roundabout	corner restrictions
Ballynebentagh Road	Stop 150yds and Stop line
Ballymena Road Antrim	Lane hatched out
Ballyrobin Road Aldergrove	Hatch out right Turn Pocket at Cosmos
Church St Antrim	I marking
Barnish Road	40 Roundels – 2 No. "SLOW" markings
Steeple Barricks	No waiting at any time lines
Oriel Road	Keep Clear
Main st Crumlin	Keep Clear
Ballyhill Road	Edge lining Carn Road – Budore Rd Carnaghliiss Road
Seven Mile Straight	Stop 150 yds at Advanced Warning
Oriel Road Health Centre	I marking
Orchard Way Crumlin	Corner restrictions – double yellow lines
Crosshill road Crumlin	Edge lining – centre lining
Ballyrobin Road	40mph roundels
Shetland St	Disabled bay
Speerstown road	"SLOW" marking
Portgelone road	'School keep clear' marking
Sheepstown road	Bend signs
Templepatick Village	Gateway signs, Paradise Wk – Antrim Rd – Repeaters
Ahoghill road Randalstown	40mph gateway signs
The Oaks, Randalstown	Dropped kerbs 7no
Bush road Antrim	Brookfields nursing home –dropped kerbs footway link
Roughfort road	Upgrade of 40mph signage
Templepatrick park and ride	Additional ecar space
Loanends	Red patches upgrade of 40mph signs repeaters
Gortgill	Relocation of 40mph sins and additional repeaters
Grant avenue Randalstown	I marking
Greenview avenue – antrim	I marking
Templepatrick M2	On slip change from stop markings to give way

Completed Traffic Schemes 2018/19

Traffic Signs and Carriageway Markings

Circular Road/Chestnut Cottages	I Markings.
McKinney Road	Double Yellow.
Carnreagh Bend	Corner Restrictions.
Derry Road	Bus stop marking opposite no 7.
Wynland Gardens Glengormley	I marking.
Doagh Village	Yellow Boxes.
Ballycraigy/Ballyvessy Road Junction	Hatching & Slow at warning line.
Doagh Road	I marking.
Enterprise Way	Give Way, refresh 2x giveaway and r/about.
Circular Road	Central Hatching.
Old Manse Road	I Marking.
Jordanstown Road/Linda Avenue	Double Yellow/Corner Restrictions.
Antrim Road/Moss Road	I Markings.
Sharonmore park/Ravelston Avenue	Give Way.
Burney's Lane/Derrymore Avenue	Give Way.
Elmfield Road	I Marking.
Moss Road	I Markings.

Disabled Parking Bays

To date the following “disabled” parking bays have been provided:-

ANTRIM AREA

Bush Park, Antrim.

NEWTOWNABBEY AREA

Doagh Road, Newtownabbey
Willow Park, Newtownabbey
Bawnmore Drive, Newtownabbey
Prince's Avenue, Newtownabbey
George Gardens, Newtownabbey
Rathmore Drive, Newtownabbey
Monkstown Gardens, Newtownabbey

Traffic Control Permits

Traffic Management have assessed and approved 411 applications for Traffic Control Permits in the Council area, to allow work on the carriageway that requires traffic control and has potential to cause traffic impact.

Proposed Traffic Schemes 2019/20

Traffic Management Schemes.

Shore Road / Doagh Road, Newtownabbey. Traffic Signal upgrade - £60,000.

A scheme is programmed to upgrade the traffic signals at the Shore Road / Doagh Road junction in Newtownabbey. The current installation is at 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, as well as providing Puffin crossing control for pedestrians.

Puffin crossing control detects pedestrians as they cross the road and extends the pedestrian green time for slower pedestrians. There is also pedestrian detection at the kerb side to allow the Puffin to cancel the crossing demand should the button be pushed and the pedestrians have moved away. This allows for a more efficient operation of the signals both in terms of pedestrian and vehicular flow.

Traffic Calming.

Aylesbury Place, Mallusk. - £20,000.

Plans are currently being developed to provide a traffic calming scheme on Aylesbury Park in Mallusk. This scheme is intended to manage vehicle speed and driver behaviour, primarily to reduce collisions, especially those involving vulnerable road users.

Collision Remedial.

Sevenmile Straight / Ballyutoag Road, Crumlin. - £7,000.

Plans are currently being developed to provide high friction surfacing on the Sevenmile Straight at the junction with a traffic calming scheme on Aylesbury Park, Mallusk. This scheme is intended to prevent vehicles overshooting the junction.

3.3 Street Lighting

The total number of lights in the council area is now 24,162.

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 0300 200 7899 or on line at <http://www.nidirect.gov.uk/street-lighting-and-reporting-a-fault>.

Schemes Completed 2018/2019

Area	Location	No. of lights working	Scheme Type
Antrim	Kilgreel, Phase 2.	127	Upgrade
Antrim	Knockmoyle Drive/Novara Park.	49	Upgrade
Antrim	Fountain Street Public Realm Scheme.	13	Upgrade
Antrim	Greenview & Woodland	18	Upgrade
Antrim	Steeple Road	20	Upgrade
Antrim	Castle Way.	33	LED Retrofit
Antrim	Steeple Industrial Estate	23	LED Retrofit
Newtownabbey	Mallusk Road.	12	Upgrade
Newtownabbey	Rathfern Way & Knockenagh Walk	56	Upgrade
Newtownabbey	Hightown Avenue.	13	Upgrade
Newtownabbey	Derrycoole Way.	65	LED Retrofit
Newtownabbey	Kings Avenue Area .	51	LED Retrofit
Newtownabbey	Rathcoole Drive.	37	LED Retrofit
Newtownabbey	Knockenagh Avenue.	32	LED Retrofit
Newtownabbey	Church Road.	117	LED Retrofit
Newtownabbey	Cherrylands.	10	Upgrade
Newtownabbey	Ballyclare Road.	23	LED Retrofit

Schemes Completed 2018/2019 (cont.)

Area	Location	No. of lights working	Scheme Type
Newtownabbey	Glenville Road.	49	LED Retrofit
Newtownabbey	Carnbank	7	Upgrade
Newtownabbey	McKinney Road.	27	LED Retrofit
Newtownabbey	Trench Road Area.	85	LED Retrofit
Newtownabbey	Tulleevin Drive & Renagh Park	66	Upgrade
Newtownabbey	Glenkyle & Christine Areas	86	LED Retrofit
Newtownabbey	Fernagh Area	65	LED Retrofit
Newtownabbey	Hightown Road	69	LED Retrofit
Newtownabbey	Mallusk Drive	14	LED Retrofit
Newtownabbey	Fairview Area	83	LED Retrofit
Newtownabbey	Ravelston Area	106	LED Retrofit
Newtownabbey	Armillan Drive	13	LED Retrofit
Newtownabbey	Doagh Road	119	LED Retrofit
Newtownabbey	Merville Garden Village	161	LED Retrofit
Newtownabbey	Collinbridge Road.	47	LED Retrofit
Doagh	Ballymena Road.	15	LED Retrofit
Randalstown	Neilsbrook Estate.	80	Upgrade
Randalstown	Derryhollagh Cottages	3	LED Retrofit
Randalstown	The Brambles	14	LED Retrofit
Templepatrick	Ballyclare Road	12	LED Retrofit
Templepatrick	Knightswood.	6	Upgrade

Schemes Completed 2018/2019 (cont.)

Area	Location	No. of lights working	Scheme Type
Ballynure	Main Street	14	LED Retrofit
Straid	Straid Village	64	LED Retrofit
Parkgate	The Burn Road	5	LED Retrofit
Ballyclare	Doagh Road	39	LED Retrofit
Total number of lights installed and working		1948	

Schemes Proposed 2019/2020

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

Area	Location	Scheme Type
Randalstown	Ballygrooby Roundabout	Upgrade
Newtownabbey	Corrs Corner Roundabout	Upgrade
Antrim	Fountain Hill.	LED Retrofit
Antrim	Ballymena Road.	LED Retrofit
Antrim	Castle Street.	Upgrade
Newtownabbey	Shore Road.	LED Retrofit
Newtownabbey	Ballyhenry Road.	LED Retrofit
Newtownabbey	Circular Road.	LED Retrofit
Newtownabbey	Antrim Road.	LED Retrofit
Newtownabbey	Prince Charles Way.	LED Retrofit
Antrim	Greystone Road.	LED Retrofit
Antrim	Ballycraigy Road.	LED Retrofit
Newtownabbey	Lindsays Corner.	LED Retrofit
Antrim	Orchard Way.	LED Retrofit
Antrim	Station Road.	LED Retrofit
Antrim	Paradise Walk.	LED Retrofit

Schemes Proposed 2019/2020 (cont.)

Area	Location	Scheme Type
Newtownabbey	Carn Way	Upgrade
Ballyclare	Five Corners.	LED Retrofit
Crumlin	Glendarragh Park.	Upgrade

SECTION 4

NETWORK PLANNING & HIGHWAY STRUCTURES

Network Planning and Highway Structures Manager: Cathal Brown

He is supported by:-



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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 1 April 2016 to 31 March 2017 Development Control Section dealt with:-

Planning Applications	697
Pre-Planning Enquiries	820
Planning Applications involving Private Streets Order	34

Adoptions

The Department adopted a total of 1,598m of carriageway and 573m of footway. Developments adopted are listed below:-

Development	Carriageway (m)	Footway (m)	Date
Hollybrook Hill, Newtownabbey	112	154	27/04/18
Dillon's Grange, Newtownabbey	100	55	19/09/18
St John's Close, Crumlin	81	0	20/09/18
The Grange, Ballyclre	190	0	05/10/18
Parkgate Meadow, Parkgate	105	85	11/10/18
Jubilee Drive, Newtownabbey	154	134	17/10/18
Ellisfield Mews, Straid	67	90	30/01/19
Inniscairn Drive, Newtownabbey	0	55	05/02/19

Adoptions (cont.)

Development	Carriageway (m)	Footway (m)	Date
Hillhead Road, Ballyclare	150	0	18/02/19
Rosewood Lane, Parkgate	70	0	28/02/19
Sandymount Green, Glengormley	139	0	12/03/19
Glenview Park, Newtownabbey	245	0	19/03/19
Glenview Avenue, Newtownabbey	185	0	20/03/19



Rosewood Lane, Parkgate

4.2 Maintenance of Structures

The Structures Section manages the 1,327 bridges and culverts with a span of 1.8m and greater within the Division. There are 257 of these structures in the Antrim & Newtownabbey council area. Smaller structures are managed by the local Section Office. A further 40 bridges on or over the M2 and M22 Motorways are maintained by HMM, the Design, Build, Finance and Operate Company responsible for a large part of the motorway network.

Completed Maintenance of Structures 2018/19

Route No.	Name	Description	Cost
C45 Steeple Road	New Steeple, Bridge, Antrim	Erected new parapets to meet current standards for railway bridges. Upgraded Vehicle Restraint System between Oriel Road and entrance to school.	£205,829
U82 Devenish Drive	Devenish Subway, Newtownabbey	Installed new parapets, removed steps and erected fence.	£58,126
C38 Ballynashee Road	Ballynashee Bridge, Ballyclare	Rebuild damaged bridge parapets	£9,101
B53 Craigstown Road	Peters Bridge, Randalstown	Repaired damaged bridge parapets	£3,850
Completed Maintenance of Structures at a total cost of			£276,906

Proposed Maintenance of Structures 2019/20

Route No.	Name	Description	Cost
B59 Station Road	Bessy Gras Bridge, Doagh	Rebuild tilting retaining wall on Doagh side of bridge	£50,000
B56 Ballyrobert Road	Ballyrobert Bridge, Ballyrobert	Remove vegetation and repoint. Raise parapets to required standard	£30,000
C38 Sawmill Road	Sawmill Bridge, Ballyclare	Remove debris and repair undermined abutments	£10,000
B518 Styles Way	Parkhall Bridge, Antrim	Repair damaged metal parapet railings	£12,000
C49 Barnish Road	Barnish Bridge, Randalstown	Repair damaged masonry bridge parapet	£5,000
C24 Dublin Road	Upper Bridge, Antrim	Repair damaged masonry bridge parapet	£1,000
Proposed Maintenance of Structures at an estimated cost of			£108,000

Completed Road Restraint System Upgrade 2018/2019

Road No. & Name	Name	Description	Estimate
A26 Dunsilly Roundabout	Dunsilly Roundabout, Antrim	Upgraded Vehicle Restraint System to meet current standards	£89,379
A56 Ballyutoag Road	Ballyutoag Road, Crumlin	Upgraded Vehicle Restraint System to meet current standards.	£78,040

Completed Road Restraint Systems Upgraded at a total cost of £167,419



Ballyutoag Road, Crumlin

Proposed Road Restraint System Upgrade 2019/20

Road No. & Name	Name	Description	Estimate
C45 Steeple Road	Steeple Road , Antrim at subway	Upgrade Vehicle Restraint System to meet current standards	£30,000

Proposed Road Restraint System Upgrade at an estimated cost of £30,000

