



**DfI Roads
NORTHERN DIVISION
Annual Report
to
Antrim and Newtownabbey
Borough Council
Spring 2021**

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Foreword

The Mayor, Aldermen and Councillors Antrim & Newtownabbey Borough Council

I have pleasure in submitting the 2021-2022 Annual Report on the work of DfI Roads across the Antrim and Newtownabbey Borough Council Area.

This report deals with works completed across the Council area during the year 2020-2021 and sets out our initial proposals for schemes to be undertaken in the year 2021-2022. An update on the two Strategic Road Improvement schemes that are being taken forward in the Division is also provided.

2020/21 was an unprecedented year owing to the impact of the COVID-19 pandemic and thankfully our contractors have developed new working practices to enable much needed road maintenance and improvement work to proceed. The impact of COVID has been mitigated as far as possible and productivity has been such that most of our 20/21 programme was successfully delivered despite the absence of work over the first part of the year.

Since 2013 the Department for Infrastructure's baseline Resource budget has been insufficient to meet its needs and we have relied on in year funding to deliver core services including public transport and winter gritting. This continued to be the case for 2020-21.

I am pleased to advise that this year's initial capital allocation has been increased and this has allowed an increase in funding for structural maintenance across Northern Division in 2021-22 including within the 'road recovery fund'. This level of investment is very welcome as it moves towards the figures required annually to maintain the road network in a reasonable condition. Our main focus now is to seek to ensure that we have sufficient design and contracting resource available to deliver on this significant increase in capital funding.

Capital funding also influences our Local Transport and Safety Measures programmes which includes Safer Routes to Schools and funding this year will allow the introduction of a further tranche of part time speed limits at schools across the Council Area. In 2021/22 significant additional funding is also being made available for Blue Green and Active Travel programmes, details of which are also included within this report.

The opening allocation in 2021-22 for routine maintenance is also similar to that for 2020-2021 and I am pleased to report that, despite wider pressures, the Minister has allocated sufficient funding to allow a full street lighting repair service for the entire year and continuation of a limited service which will allow defects greater than 50mm depth to be repaired across all roads. On high traffic roads, defects greater than 20mm will also be repaired. DfI Roads will aim to cut all roadside verges and sightline grass at least twice in the period April-October with sightlines at bends and junctions being cut more frequently as required to ensure public safety is not compromised.

I would encourage Councillors to avail of the online fault reporting system on NI Direct. My operational staff are of course also available to assist with queries.

I hope that you find this report informative. We value constructive comments on all of our activities and I, along with Section Engineer Stephen Gardiner, look forward to meeting the Council.

COLIN HUTCHINSON
Divisional Roads Manager

Northern Division

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](#)).



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

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Northern Division - Senior Management Structure



Colin Hutchinson
Divisional Roads Manager



Dawson Wray
James Middleton
Strategic Road Improvements Managers

Major works schemes; Management of consultants;
Large minor works schemes.



Gary Quinn
Network Maintenance Manager

Road maintenance; 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

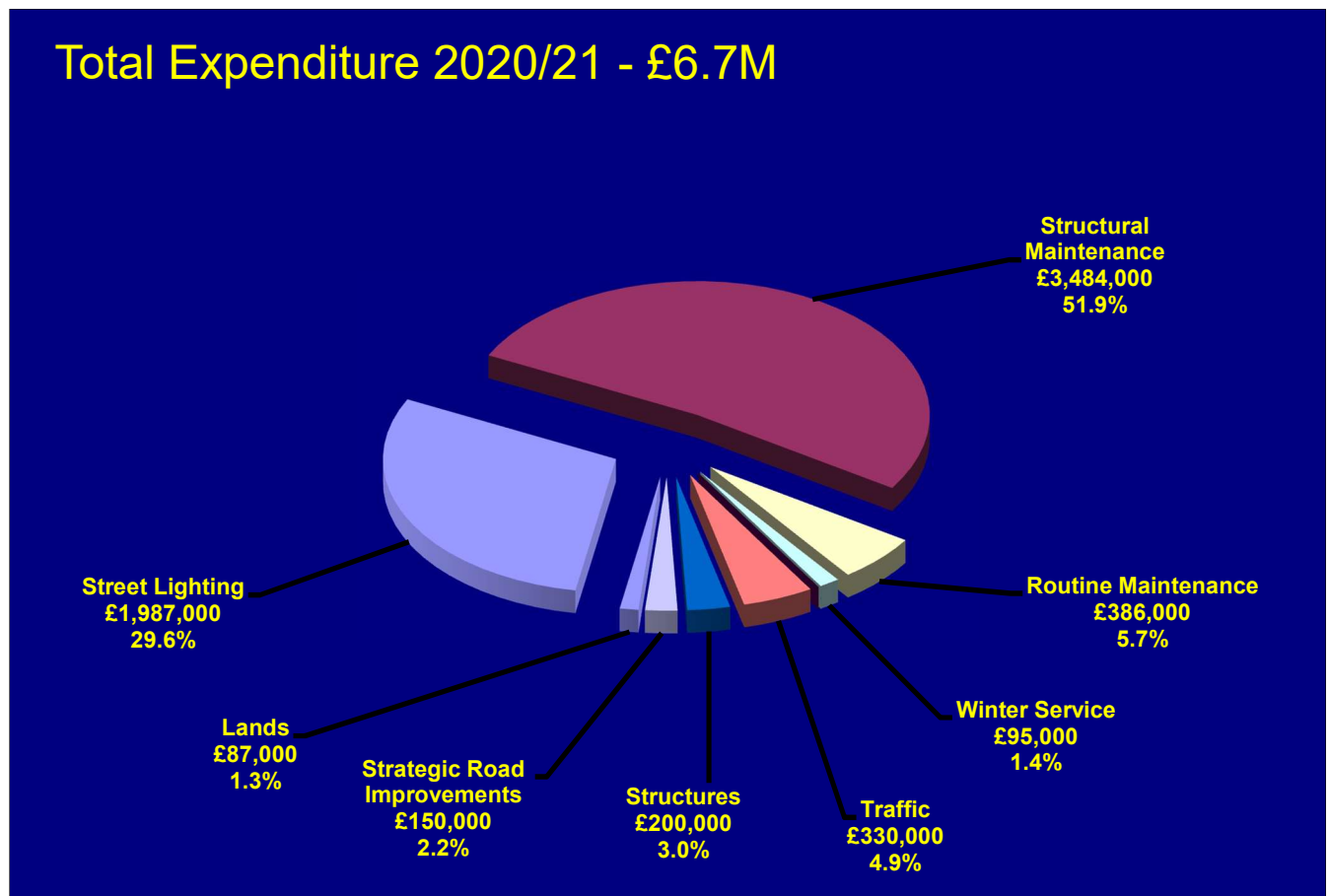
Minor improvements; Traffic management; Street lighting capital & maintenance; Estimates and allocations for local transport & safety measures; On-street parking and Park and Ride/Share.



Cathal Brown
Network Planning Manager

Development Control; Private Streets; Area Plans; Forward Planning; Highway structures.

Antrim & Newtownabbey Borough Council 2020/21 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

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1.1 A6 Randalstown to Castledawson Dualling

(Being dealt with by Dawson Wray, supported by Philip McKeown)

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 £189m scheme is 15km (9 miles) long in two main sections each side of the Toome Bypass, and commenced in June 2017.

The opening of the first phase between M22 at Randalstown and Toome in August 2019 was a significant milestone for the scheme, and welcome news for the road users in the 22,000 vehicles along the route who are benefitting from safer, more reliable journeys.

During the past 12 months good construction progress was made within the sensitive swan area between Toome Bypass and Deerpark Road. Along this section all major earthworks and drainage were completed in line with Environmental commitments by the end of September 2020, permitting other minor construction activities to continue through the winter period.

With temporary traffic management (TTM) measures in place (one lane running in each direction, speed limit restriction and a short stretch of contraflow on east bound lane of the Toome Bypass) a further 5km (3 miles) of new dual carriageway between the Toome Bypass, and the area called the Broagh opened to traffic on the 23 November 2020.

Over the winter months works continued on the mainline with the main construction activities concentrated on the west bound carriageway tie-in to the existing Toome Bypass, other local network connections at Hillhead junction and B18 Creagh and subsequent removal of the contraflow arrangement on the Toome Bypass.



Arial view looking west – Toome Bypass tie-in



Arial View looking west – Deerpark Road Junction

The Infrastructure Minister Nichola Mallon visited the site on Friday 28 May 2021 to speak to those involved in the delivery of the scheme. This was just in advance of the removal of Temporary Traffic Management and 40mph speed restriction, allowing the entire dual carriageway to open on Monday 31 May 2021. A great achievement for everyone involved in the delivery of such a major infrastructure project.

1.2 A6 Dungiven to Drumahoe Dualling

(Being dealt with by James Middleton, supported by Billy Miller, Colin Cochrane and Gareth Kerr)

This Executive Flagship project represents an investment in the region of £220 million and will upgrade 25.5km of the A6 between Drumahoe and Dungiven to dual carriageway standard, including a bypass of Dungiven.

Construction of this dualling scheme is progressing well with approximately 95% of the earthworks completed to date. Ten structures are also substantially complete and works are ongoing on a further eleven. Recently the steel beams on the Ardmore Road Bridge were lifted into place, over the River Faughan. In the coming weeks it is expected that beams will be placed on the new structure at Liberty Glen, and the existing Burntollet Bridge will be demolished to allow for the construction of the westbound section of the new Burntollet Bridge that crosses the River Ness.

Significant progress has also been made with the installation of culverts, mainline drainage, access tracks, the Park and Rides at Drumahoe and Claudy, utility diversions, and the pavement construction along the new mainline carriageway.

Covid-19 initially disrupted or stopped many activities due to difficulties in the supply chain, social distancing requirements and staff absences. Although the situation is now much improved, Covid-19 continues to have an impact, however the scheme is expected to be complete in 2022, largely as planned.

Further information on the works and traffic management is available on the scheme website at: <https://a6d2d.com/>



Beams being lifted in place for the Ardmore Road bridge.



Construction of dual carriageway at Ballyhanedin.

SECTION 2

NETWORK MAINTENANCE

Network Maintenance Manager: Gary Quinn

Supported by:-



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Defects can be reported using our on-line reporting portal at:-

<https://www.nidirect.gov.uk/information-and-services/travel-transport-and-roads/problems-roads-and-streets>

**The emergency telephone number is 03002007891.
Flooding can also be reported on the Flooding Incident Line on 0300 2000 100.**

Completed Asphalt Resurfacing 2020/21

Route No.	Road Name / Location	Length (m)
B513	O'Neill Road, Newtownabbey	664
A52	Belfast Road, Antrim	1300
B12	Main Street, Crumlin	710
B95	Greystone Road Roundabout, Antrim	400
C108	Fountain Hill, Antrim	933
C45	Steeple Road, Antrim	622
C30	M2 off slip to Scullions Road, Newtownabbey	100
C52	Staffordstown Road, Toomebridge Phase 1	2630

Total Completed Asphalt Resurfacing

7.359km

at a cost of

£1,236,089



O'Neill Road, Newtownabbey
(Before Resurfacing)



O'Neill Road, Newtownabbey
(After Resurfacing)

Proposed Programme of Asphalt Resurfacing 2021/22

Route No.	Road Name / Location	Length (m)
U407	Mill Road, Newtownabbey	980
U407	Arthur Road, Newtownabbey	810
U407	Church Road, Newtownabbey	420
A52	Belfast Road, Nutts Corner	2700
B513	O'Neill Road, Newtownabbey Phase 3	864
A8	Ballyclare Rd, Glengormley	550
A6	New Street, Randalstown	800
C52	Staffordstown Road, Toome	2770
B95	Loughanmore Road, Parkgate	650
C28	Paradise Walk, Templepatrick	850
A6	Antrim Road, Templepatrick	905

Total Proposed Asphalt Resurfacing 12.299km

at an estimated cost of £2,750,000



Main Street, Crumlin
(Before resurfacing)

Main Street, Crumlin
(After resurfacing)

Completed Resurfacing (Road Recovery Fund) 2020/21

Route No.	Road Name / Location	Length (m)
C52	Ballynamullan Road, Toome	500
C52	Derrygowan Road, Toome	1400
C22	Largy Road, Crumlin	500
U1035	Killyfad Road, Toome	740
U1194	Norfolk Road, Antrim	250
U1226	Derryhollagh Lane, Toome	453
U1226	Derryhollagh Road, Toome	250
U1241	Ballyduggan Villas, Toome	80
U1051	Junction Road, Antrim	245
U1116	Abbey Road, Antrim	770
U1116	Abbey Road, Oldstone, Antrim	501
U1197	Niblock Road, Antrim	86
U1198	Bourlan Road, Antrim	151
U1222	Beechmount Park, Randalstown	550
C41	Ballybracken Road, Ballyclare	55
U55	Old Ballybracken Road, Ballyclare	385
U421	Coole Park, Newtownabbey	234
U424	Ravelston Crescent, Newtownabbey	434
U424	Ravelston Park, Newtownabbey	145
U410	Liscoole Park, Newtownabbey	370
U418	Glebe Road, Newtownabbey	350

Completed Resurfacing (Road Recovery Fund) 2020/21 (continued)

Route No.	Road Name / Location	Length (m)
U418	Carnvue Drive, Newtownabbey	150
U405	Mountainvale Road, Newtownabbey	253
U411	St Annes Crescent, Newtownabbey	390
U411	Queens Drive, Newtownabbey	110
U418	Carnvue Park, Newtownabbey	120
U405	Collinbridge Road, Glengormley	300
U1057	Dunsilly Road, Antrim	260
B58	Castletown Rd / Riverside junction	90
U18	Ballyduff Rd, Newtownabbey (one way section)	309
U32	Mossvale Rd, Newtownabbey	339
C36	Church Rd, Ballynure	660
Total Completed Resurfacing (Roads Recovery Fund)		11.43km
at a cost of		£763,986

Proposed Programme of Resurfacing (Road Recovery Fund) 2021/22

Route No.	Road Name / Location	Length (m)
U408	Ardmillan Drive, Newtownabbey	364
U408	Ardmillan Gardens, Newtownabbey	70
U408	Green Walk, Newtownabbey	192
U409	Dunloy Gardens, Newtownabbey	147
U409	Deerfin Park, Newtownabbey	175
U409	Derry Hill, Newtownabbey	130
U409	Doonbeg Drive, Newtownabbey	484
U409	Innis Walk, Newtownabbey	59
U409	Iona Gardens, Newtownabbey	89
U409	Carnreagh Bend, Newtownabbey	520
U409	Crossreagh Drive, Newtownabbey	393
U409	Foyle Hill, Newtownabbey	69
U422	Monkstown Gardens, Newtownabbey	312
U434	George Avenue, Ballyclare	111
U434	George Gardens, Ballyclare	65
C37	Springvale Road, Ballyclare	920

Proposed Programme of Resurfacing (Road Recovery Fund) 2021/22 (continued)

Route No.	Road Name / Location	Length (m)
U1051	Drumsough Road, Randalstown	800
U1223	Neillstown Park, Randalstown	250
U1223	Blackthorn Way, Randalstown	250
U1223	Brackenburn, Randalstown	370
U1039	Aghaloughan Road, Randalstown	50
U1037	Creeve Road, Randalstown	260
B18	Roguary Road, Moneyglass	375
B52	Portglenone Road, Randalstown at Groggan Road Jct	175
C28	Dunadry Road, Dunadry	180
Total proposed programme of Resurfacing (Roads Recovery Fund)		6.8Km
at an estimated cost of		£860k

Completed Asphalt Footway Resurfacing 2020/21

Route No.	Road Name / Location	Length (m)
F1198	Ashgreen, Antrim	1650
U1122	Beechmount Park, Randalstown	200

Total Completed Asphalt Footway Resurfacing 1.85km

at a cost of £200,000



Completed Scheme - Beechmount Park

Proposed Programme of Asphalt Footway Resurfacing 2021/22

Route No.	Road Name / Location	Length (m)
F1124	Craigmore Park / Kilbride Gardens, Antrim	1000
U1187	Greystone Estate, Antrim	3750
U1198	Knockmoyle Drive, Antrim	1580
U1198	Novara Park, Antrim	460
Total Proposed Asphalt Footway Resurfacing		6.79km
at an estimated cost of		£361,000

Completed Surface Dressing 2020/21

Route No.	Road Name / Location	Length (m)
U1105	Gibsontown Road, Templepatrick	2106
U1104	Umgal Road, Crumlin	1296
U1127	Carn Road, Crumlin	795
U1127	Carn Road, Crumlin	669
C27	Lylehill Road Lower, Belfast	534
U1125	Ballymather Road, Crumlin	2174
U1126	Ballyhill Lane, Crumlin	1886
U1130	Bolnaconnel Road, Crumlin	975
U1124	Grove Road, Crumlin	1554
C25	Carmavy Road, Crumlin	2785
C25	Carmavy Road, Crumlin	1881
U1123	Kilcross Road, Crumlin	1535
U1131	Grange Road, Crumlin	1551
U1130	Lisnataylor Road, Crumlin	1532
U1130	Lisnataylor Road, Crumlin	1032
U1131	Straidhaven Road, Crumlin	1702
U1153	Greenhill Road, Belfast	1156
B154	Carnaghlass Road, Crumlin	848
B154	Carnaghlass Road, Crumlin	2008
U1128	Calvert Road, Crumlin	397
U1129	Ballykennedy Road, Crumlin	2293
U1133	Radox Road, Crumlin	2978

Completed Surface Dressing 2020/21 (cont.)

Route No.	Road Name / Location	Length (m)
U1132	Tullywest Road, Crumlin	3254
U1131	Dundesert Road, Crumlin	1252
U1135	Ballynadrentagh Road, Crumlin	764
U1123	Carmavy Lane, Antrim	1463
U1121	Ballysculty Road, Antrim	2915
C28	Old Ballyrobin Road, Antrim	1330
C28	Old Ballyrobin Road, Antrim	511
U1122	Dreenan Road, Antrim	770
C110	Killead Road, Antrim	2000
U1122	Carmavy Road, Antrim	129

Total Completed Surface Dressing 48.0km
at a cost of £350,000

Proposed Programme of Surface Dressing 2021/22

Route No.	Road Name / Location	Length (m)
U1116	Abbey Road, Antrim	1271
U1145	Ardmore Road, Crumlin	1930
U1145	Ardmore Road, Crumlin	1861
U1138	Aughnadarragh Road, Crumlin	836
U1138	Aughnadarragh Road, Crumlin	1525
U1118	Ballyarnott Road, Antrim	2578
U1143	Ballyclan Road, Crumlin	2214
C20	Ballydonaghy Road, Crumlin	2242
U1136	Ballydonaghy Road, Crumlin	857
U1136	Ballydonaghy Road, Crumlin	2916
U1150	Ballyginniff Road, Crumlin	1028
U1119	Ballyharvey Road, Antrim	1753
C20	Ballytromery Road, Crumlin	860
C22	Bay Road, Crumlin	1385
U1144	Blackstown Road, Crumlin	2122
C24	British Road, Antrim	2857
C22	Cherryvalley Road, Crumlin	2476
U1141	Cidercourt Road, Crumlin	1490
U1151	Corbally Road, Crumlin	1244
C23	Diamond Road, Crumlin	3631
U1152	Dunore Road, Crumlin	1620

Proposed Programme of Surface Dressing 2021/22 (continued)

Route No.	Road Name / Location	Length (m)
C18	Garlandstown Road, Crumlin	1030
U1120	Hillcrest Road, Antrim	2001
U1115	Kirbys Lane, Antrim	1690
C20	Mount Road, Crumlin	752
U1117	Oldstone Hill, Antrim	2353
U1137	Poplar Road, Crumlin	2204
U1147	Seacash Road, Antrim	958
U1146	Station Road, Antrim	455
C29	Tirgracy Road, Antrim	2707
U1149	Townland Road, Crumlin	2368
Total Proposed Surface Dressing		56.435 km
at an estimated cost of		£400,000

Completed Drainage Work 2020/21

Route No.	Road Name / Location	Description
U1002	Loup Road, Antrim	3 new gullies installed and line jetted
U1076	Cherryhill Road, Antrim	Existing open drainage system cleaned out and vegetation cut back or removed, culverts jetted and cleared.
C22	Largy Road, Crumlin	Replacement culvert as flood alleviation measure at Gortnagallon Cottages
C19	Budore Road, Crumlin	Culvert Replacement
U1034	Grennan Road, Randalstown	2 new gullies and 10m of pipe replaced
C48	Magheralane Road, Randalstown	New heavy duty drainage channels installed
B53	Craigstown Road, Randalstown	2 new gullies installed, lines and manholes cleaned and jetted.

Completed Drainage Works at a cost of £150,000

Proposed Programme of Drainage Work 2021/22

Route No.	Road Name / Location	Description
C31	Carntall Road, Newtownabbey	Investigation Work required
B95	Mallusk Rd, Newtownabbey	4 gullies need removed from private system
U416	Liester Park, Ballyclare	System needs redirected, currently with FIGP
U1102	Lylehill Road East, Templepatrick	Roadside open drainage system closed up.
C45	Steeple Road / Ladyhill Road, Antrim	3 new waterways to be installed and 20m of new kerbs to channel the water at Eskylane Church.

Proposed Drainage Works at an estimated cost of £100,000

Completed Major Utility Works 2020/21

Utility	Road Name / Location	Scheme Details
NI Water	Ferniskey Road, Antrim	Mains Renewal
NI Water	Ballyeaston Road, Ballyclare	Mains Renewal
NI Water	Rashee Road, Ballyclare	Mains Renewal
NI Water	Erskine Park, Ballyclare	Mains Renewal
NI Water	Arthur Road/Arthur Avenue, Newtownabbey	Mains Renewal
NI Water	Longlands Road, Newtownabbey	Mains Renewal
NI Water	Arthur Park, Newtownabbey	Mains Renewal
Virgin Media	Substantial install Antrim area	Cable Network Installation

Proposed Major Utility Works 2021/22

Utility	Road Name / Location	Scheme Details
Firmus	Ballynure Road, Ballyclare	New Main
Firmus	Green Road, Ballyclare	New Main

The details are the best information available to DfI Roads at this time.

Winter Service 2020/21

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 salted by depots from neighbouring Council areas with the aim to achieve optimum operational efficiency and complete a salting action in just over 3 hours.

DfI Roads carried out 83 equivalent full salting actions during the 2020/21 Winter Season in Antrim & Newtownabbey the first action being on 3rd November 2020 and the last on 10th April 2021. Approximately 2,843 tonnes of salt was used.

Due to the high costs involved to ensure salting is carried out when necessary and at the appropriate time, Northern Division has 12 Duty Controllers on the Winter Service rota. Duty Controllers decide when to salt and use a range of information including Met Office forecasts, real time information available from the 21 DfI Roads weather stations across Northern Ireland, and if 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.

[Gritted Roads \(arcgis.com\)](http://arcgis.com)



SECTION 3

NETWORK DEVELOPMENT

Network Development Manager: Alan Keys

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3.1 Minor Improvements

Completed Minor Improvement Schemes 2020/21

Loughbeg Road, Moneyglass, Toomebridge - Footway - £47,000

The scheme to extend the footway from Roguery Road to the Community Centre and on to No.14 Loughbeg Road has been completed. The radius at the Roguery Road junction has also been increased to facilitate the movements of large vehicles and prevent overriding of the footway. This scheme is an extension to the existing footway provision along Roguery Road from Toomebridge and will encourage active travel.



Completed Scheme – Loughbeg Road

Proposed Minor Improvement Schemes 2021/22

The following schemes have been designed and are ready to proceed to construction, however delivery will be subject to the availability of funding.

Hydepark Road at Boghill Road, Mallusk. - £750,000

A scheme to widen the Hydepark Road to the west of Boghill Road has been designed and the land acquisition process is currently underway. Subject to the successful acquisition of the land, it is anticipated that the construction of the scheme could commence late in this financial year. The provision of this scheme will allow improvement to the bus services in the Blackrock and Mayfield areas, provide a high quality cycle path link, as well as improving safety for motorists and pedestrians.

Church Road/Moneyrod Road, Randalstown - £250,000

A scheme to improve the sight visibility on Church Road at the junction of Moneyrod Road has been designed and the process to acquire the necessary land has just commenced. The provision of this scheme will improve the visibility for traffic emerging from Moneyrod Road onto Church Road.

Completed Active Travel Schemes 2020/21

B513 O'Neill Road, Newtownabbey – Footway/Cycleway - £100,000

Shared footway/cycleways were provided along O'Neill Road as part of the scheme to resurface 664m of the carriageway. This replaces the advisory cycle lane previously marked on this busy road.

Proposed Active Travel Schemes 2021/22

As a result of funding received from the Blue Green Active Travel Fund, the following schemes will be progressed to further encourage and promote active travel in the area.

B513 O'Neill Road, Dunaney, Newtownabbey – Footway/Cycleway - £335,000

The scheme will provide a footway/cycleway on the existing footway and verge from O'Neill Road Roundabout to the footway/cycleway completed during the last financial year, on each side of the carriageway. These works will extend the existing provision along O'Neill Road.

Shore Road, Toomebridge - Footway/Cycleway - £95,000

The scheme will provide a footway/cycleway on the existing footway and verge from Moneynick Road to Shore Road and along Shore Road towards the 30mph limit. This section of Moneynick Road and Shore Road form part of the existing National Cycle Network.

Scullions Road, Mallusk - Footway/Cycleway - £170,000

The scheme will provide a footway/cycleway on Scullion's Road and Sandyknowes Roundabout to link with the existing facility on Ballyclare Road and be provided on the existing footway, verge and hardshoulder.

A8 Ballyclare Road, Ballyhenry, Mossley, Newtownabbey - Footway/Cycleway - £85,500

The scheme will provide a footway/cycleway from Corr's Corner Roundabout to Ballyearl Drive and link with the existing off road facility, adjacent to the housing and the new facility recently provided by Antrim and Newtownabbey Borough Council, to Campbell Road.

Paradise Walk/Parkgate Road, Templepatrick – Footway/Cycleway - £395,000

The scheme will provide a footway/cycleway on the existing footway and verge from the existing footway/cycleway to Parkgate. These works will further extend the existing provision along Paradise Walk.

3.2 Traffic

Completed Traffic Schemes 2020/21

Traffic Management Schemes.

Traffic Signal Upgrade, A6 Belfast Road / Oldstone Road Muckamore. - £85,000

The works involved the upgrade of the traffic signals at the A6 Belfast Road / Oldstone Road Junction. The current installation was nearing the end of its serviceable life and the new equipment incorporates the latest LED and microprocessor based technology which will improve traffic flow and traffic progression, particularly at peak times.

Mallusk Road Puffin Crossing upgrade, Mallusk - £32,000

The pedestrian crossing on the Mallusk Road at the Danske Bank has been upgraded to a Puffin crossing. The existing Pelican crossing was one of the older sites on the network and was due for replacement. The new Puffin crossing incorporates the latest traffic signal technology with sensors on the pole tops. If it detects that pedestrians are crossing slowly the controller can extend the 'green man' for a longer period to allow the crossing movement to be completed safely. The technology also detects if a pedestrian demand is no longer required as the user has either already crossed or walked away, and cancels the request, making the operation of the crossing more efficient for all road users.



Mallusk Road - Completed scheme

Completed Traffic Schemes 2020/21 (continued)

Traffic Management Schemes (continued)

O'Neill Road, Newtownabbey - Toucan Crossing upgrade - £27,000

Work is now complete to upgrade the O'Neill Road pedestrian crossing to a Toucan Crossing. This work is being completed as part of the resurfacing scheme on O'Neill Road and provides a controlled crossing for both pedestrians and cyclists.



Completed scheme - O'Neill Road

Langley Hall waiting restrictions, Whiteabbey - £2,000

Legislation has been processed to implement limited waiting restrictions within the Langley Hall development in Whiteabbey. This area has historically been used by sixth form pupils at the nearby Belfast High School to park vehicles during the school day, causing difficulties for deliveries.

The legislation will now prevent this all day parking and improve access within the development.

Completed Traffic Schemes 2020/21 (continued)

Transportation - Pedestrian Measures

A6 Castle Road pedestrian islands, Randalstown - £15,000

A scheme to improve pedestrian connectivity and road safety has been provided on the Castle Road in Randalstown. The scheme involved the provision of 4 pedestrian islands between Castle Lodge and Station Road as well as a series of right turning pockets and hatching. This scheme will assist pedestrians crossing Castle Road, and also act as a traffic calming feature.



Traffic Islands, Castle Road. Randalstown.

Completed Traffic Schemes 2020/21 (continued)

Transportation - Pedestrian Measures (continued)

Doagh Road, Ballyclare. Pedestrian islands - £8,000

2 pedestrian Islands have been provided on the Doagh Road in Ballyclare to improve pedestrian safety.



Traffic Islands, Doagh Road, Ballyclare.

Completed Traffic Schemes 2020/21 (continued)

Transportation - Pedestrian Measures (continued)

Footway on A57 Ballyclare Road. Templepatrick - £10,000

A short length of footway (95m) has been provided on the A57 Ballyclare Road in Templepatrick, West of the Old Ballyclare Road.



Completed Scheme - A57 Ballyclare Road, Templepatrick.

Collision Remedial Measures

High Friction Surfacing, Carn Road/A52 Ballyutoag Road, Nutts Corner. Crumlin - £5,000

Work is complete to provide High Friction Surfacing on the Carn Road at the junction of the A52 Ballyutoag Road. This will provide an early warning to drivers of the junction and improve road safety by enhancing skid resistance at this location.

Completed Traffic Schemes 2020/21 (continued)

Part-time 20mph Speed Limits at Schools

Infrastructure Minister, Nichola Mallon announced on the 7 September 2020 the roll out of part time 20mph speed limit schemes at 103 schools across Northern Ireland so that parents, children and staff will be safer as they go to and from school.

At each of the schools, new standard fixed speed limit roundel signs are erected with flashing amber lights set to come on at the times the reduced speed limit applies. This follows trials at a number of schools to determine the effectiveness of this arrangement. It was found they have a positive impact on the reduction in mean speed.

In line with the Departmental policy an assessment was carried out at each school within the borough and the following schools now have part-time 20mph speed limits.

1. Ballyclare High School
2. Duneane PS (Toome)
3. Moneynick Primary School (Toome)
4. Groggan Primary School (Randalstown)
5. Edmund Rice College (Glengormley)
6. Loanends Primary School (Templepatrick)
7. Mallusk Primary School

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.

Disabled Parking Bays

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

ANTRIM AREA

Firmount Drive, Antrim
Tobergill Gardens, Antrim

NEWTOWNABBEY AREA

Beverley Shopping Centre, Newtownabbey
Rashee Road, Newtownabbey

Completed Traffic Schemes 2020/21 (continued)

Traffic Signs and Carriageway Markings

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

Vicarage Gardens, Antrim	Corner restrictions
Vicarage Gardens, Antrim	'I' Marking
Main Street, Crumlin	Realignment of Centreline
Orchard Drive, Crumlin	Centre line and Giveaway markings
Parkgate Meadows, Parkgate	Corner restrictions
Greenview Avenue, Antrim	Parking bays
Castle Avenue, Randalstown	Give way markings – centreline
Kilbegs Road, Antrim	Centreline and junction refresh
Church Road, Randalstown	Giveaway refresh and hatching
Ballyutoag Road, Crumlin	100m of High friction surfacing
Killead Road, Crumlin	Sign relocation
Hydepark Road, Mallusk	Additional 40mph repeaters
Hightown Park, Mallusk	No Through Road Sign
Annas Grove, Mallusk	No Through Road Sign
Rogan Manor, Newtownabbey	Corner Restrictions
Sharonmore Park, Newtownabbey	Hatching and Give Way
Hollybank Park, Mallusk	Give Way
Ballyclare Road, Newtownabbey	Keep Clear markings
Church Road, Ballynure	Two Slow markings
Doagh Road, Newtownabbey	Two Patrol markings
Rashee Road, Ballyclare	30mph Roundel
Glenwell Mews, Newtownabbey	Corner restrictions
Glenwell Mews, Newtownabbey	Give Way sign
Parkmount Road, Mallusk	Parking bays and hatching footways
Whiteabbey	Waiting restriction signage

Traffic Control Permits

To date Traffic Management have assessed and approved 800 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 2021/22

Traffic Management Schemes

Traffic Signalised Junction upgrades.

- 1. Church Road / West Crescent, Rathcoole - £60,000.**
- 2. Antrim Road / Glengormley Park, Glengormley - £65,000**

Work has begun to upgrade the traffic signals at the above junctions in Glengormley and Newtownabbey. These traffic signal installations are coming to the end of their serviceable lives and require upgrading. They will incorporate the latest LED and microprocessor based technology which will improve traffic flow and traffic progression, particularly at peak times

Nutt's Corner Roundabout – Traffic Camera

Work has begun to install a traffic camera at Nutt's Corner Roundabout. This will provide live traffic information to the Traffic Information and Control Centre and will also be viewable by the public on the website. This will also enable closer monitoring of traffic using the junction to assist in the consideration of other measures to improve safety and reduce congestion.

Traffic Calming.

Fennel Road, Antrim - £15,000

A traffic calming scheme is proposed for Fennel Road in Antrim to address vehicle speeds and a poor collision history.

Collision Remedial Measures

Discussions are currently ongoing with PSNI to identify locations where it may be possible to reduce the number and severity of collisions by introducing appropriate road safety engineering measures. Council will be notified as and when schemes are identified.

Traffic Signs and Carriageway Markings

A57 Route Study, International Airport to Ballynure - £20,000

A route study is currently being progressed to upgrade the signs and lines along the A57 from the International Airport to the A8 at Ballynure, this scheme will provide an upgraded and consistent message to the travelling public, especially those arriving in Northern Ireland for the first time.

Disabled Parking Bays

Applications for new disabled parking bays will be assessed as and when they are applied for as the year progresses.

Proposed Traffic Schemes 2021/22 (continued)

Bus Measures

A6 Castle Road Randalstown.

A hard standing and dropped kerbs have been provided at the bus stop adjacent to Castle Lodge on the A6 Castle road in Randalstown.

Other measures will be considered when identified as the year progresses.

Safe Routes to School

Part-time 20mph Speed Limits at Schools

Infrastructure Minister, Nichola Mallon announced that it is her intention to take forward further tranches of part-time 20mph speed limits at schools. All schools in the Mid and East Antrim area will be assessed and prioritised for inclusion in the 2021/22 programme, the nature and extent of which is being finalised within the budget available.

3.3 Street Lighting

The total number of lights in the Council area is now 24,240. The Minister has confirmed funding this year to ensure a full 12 month repair service can be provided. As part of the Department's continued invest to save initiative, it is proposed to retrofit 4,000 old sodium lanterns with more cost effective LEDs throughout the borough this financial year.

We would encourage public representatives to let us know about any street lighting defects online at <http://www.nidirect.gov.uk/street-lighting-and-reporting-a-fault>.

Completed Street Lighting Schemes 2020/21

Location	Number of lights	Scheme Type
Greystone Road, Antrim. Phase 2	22	New Scheme
Greystone Road, Antrim. Phase 3	33	New Scheme
Ballycorr Road, Ballyclare.	16	New Scheme
Ashgreen, Antrim.	18	New Scheme
Castle Street, Antrim.	7	New Scheme
Greenview Drive & Court, Ballyclare.	8	New Scheme
Dunsilly Roundabout, Antrim.	52	New Scheme
Cidercourt Road, Crumlin.	28	New Scheme
Camlin Park, Crumlin.	5	New Scheme
Alderpark, Antrim.	9	New Scheme
Rathmore Road, Dunadry.	10	New Scheme
Castle Avenue, Randalstown	18	New Scheme
Dublin Road, Antrim.	19	New Scheme
Cunningham Way, Antrim.	24	New Scheme
Rathbeg Roundabout, Antrim.	39	New Scheme
Iona Gardens, Rathcoole.	39	New Scheme
Loughbeg Road, Moneyglass.	9	New Scheme

Completed Street Lighting Schemes 2020/21 (cont.)

Location	Number of lights	Scheme Type
Bramble Avenue, Newtownabbey.	10	New Scheme
Bramble Park, Newtownabbey.	4	New Scheme
Sorrell Park, Newtownabbey.	3	New Scheme
Sorrell Avenue, Newtownabbey.	8	New Scheme
Sorrell Drive, Newtownabbey.	3	New Scheme
Burnet Drive, Newtownabbey.	4	New Scheme
Burnet Avenue, Newtownabbey.	6	New Scheme
Burnet Close, Newtownabbey.	4	New Scheme
Burnet Park, Newtownabbey.	3	New Scheme

Total number of lights installed 352

Ballyrobert.	114	LED Retrofit
Carnmoney Area, Newtownabbey.	177	LED Retrofit
Jordanstown Area, Newtownabbey.	148	LED Retrofit
Ballyclare.	577	LED Retrofit
Parkgate.	125	LED Retrofit
Ballynure.	139	LED Retrofit
Crumlin.	240	LED Retrofit
Glengormley Area, Newtownabbey.	161	LED Retrofit

Completed Street Lighting Schemes 2020/21 (cont.)

Location	Number of lights	Scheme Type
Toomebridge.	55	LED Retrofit
Randalstown.	137	LED Retrofit
Templepatrick.	52	LED Retrofit
Mallusk.	432	LED Retrofit
Burnside.	94	LED Retrofit
Kilbegs Road Area, Antrim.	105	LED Retrofit
Antrim Town Central.	55	LED Retrofit

Total number of lights installed 2611

Proposed Street Lighting Schemes 2021/22

Location	Number of lights	Scheme Type
Altnacreeve Park, Newtownabbey.	21	New Scheme
Mallusk Road, Newtownabbey.	49	New Scheme
Station Road, Newtownabbey.	35	New Scheme
Steeple Road, Antrim.	20	New Scheme
The Birches, Doagh.	5	New Scheme
Ashgrove Road Roundabout, Newtownabbey.	10	New Scheme
Alderpark Phase 2, Antrim.	35	New Scheme
Shore Road, Newtownabbey.	80	New Scheme
Technology Park, Antrim.	8	New Scheme
Rathkyle Estate, Antrim. Phase 1	35	New Scheme
Coolsythe Walk, Randalstown.	15	New Scheme
Brantwood Gardens, Antrim. Phase 1	35	New Scheme
Ballydugennan Villas, Toome.	6	New Scheme
Brookvale, Antrim	6	New Scheme
Orchard Grove/Hill, Crumlin.	30	New Scheme
Hamlet Walk, Ballyclare.	20	New Scheme
Dublin Road, Antrim.	40	New Scheme
Abbots Cross Area, Newtownabbey.	50	New Scheme
Grove View, Killead.	14	New Scheme
Mill Road, Ballyclare.	25	New Scheme

Proposed Street Lighting Schemes 2020/21 (cont.)

Location	Number of lights	Scheme Type
Castle Road, Antrim.	20	New Scheme
Ballymena Road, Antrim.	17	New Scheme
Killealy Roundabout.	12	New Scheme
Byrson Park, New Mosley.	20	New Scheme
Elmfield Road, Glengormley. Phase 1	40	New Scheme

Total proposed number of lights to be installed 649

SECTION 4

NETWORK PLANNING & HIGHWAY STRUCTURES

Network Planning and Highway Structures Manager: Cathal Brown

Supported by:-



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4.1 Development Control

Planning Applications

The Council forward planning applications to the Development Control Section of the Department 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 streets by the developer, and arranges for adoption into the public road network. In certain circumstances, the Department can take enforcement action to ensure completion of the street.

Other work includes Property Enquiries, Planning Appeals and the approval of road access works under the terms of the Roads (Northern Ireland) Order 1993.

During the period 1 April 2020 to 31 March 2021 Development Control Section dealt with:-

Planning Applications	430
Pre-Planning Enquiries	491
Planning Applications involving Private Streets Order	13

Adoptions 2020/21

The Department adopted a total of 2,598m of carriageway and 525m of footway as set out below.

Development	Carriageway (m)	Footway (m)	Date
Bernice Road, Newtownabbey	2	45	16/06/2020
Loughmoney Park, Rathcoole	-	10	19/06/2020
Ferrard Meadow, Antrim	330	-	24/06/2020
Creeve Court, Randalstown	111	125	30/06/2020
Fennel Road, Antrim	104	-	07/07/2020
Temple Hall, Templepatrick	463	200	14/08/2020
Old Irish Highway, Newtownabbey	-	50	24/08/2020
Gullivers Lane, Ballynure	61	-	28/09/2020
Castlewood, Randalstown	84	-	22/10/2020

Adoptions 2020/21 (cont.)

Development	Carriageway (m)	Footway (m)	Date
Willendale, Ballyclare	315	20	16/11/2020
Earlsfort, Ballyclare	50	75	03/12/2020
Springhill Meadows, Ballyclare	448	-	07/12/2020
Clarke Lodge Mews, Newtownabbey	67	-	22/12/2020
Cornmill, Antrim	117	-	15/02/2021
Longlands Avenue, Newtownabbey	60	-	16/02/2021
Glenwell Mews, Glengormley	121	-	18/02/2021
Dundrod Road, Antrim	6	-	22/02/2021
Antrim Road, Newtownabbey	48	-	02/03/2021
Abbeyville Place, Newtownabbey	211	-	24/03/2021



Fennel Road, Antrim.

4.2 Maintenance of Structures

The Structures Section manages the 1,364 bridges and culverts with a span of 1.8m and greater within the Division. There are 282 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 2020/21

Route No.	Name	Description	Cost
A8	Ballyclare Jct Bridge, Larne Road, Mossley	Upgraded parapet to meet current standards.	£73,110
U53	Orpinsmill Bridge Orpinsmill Road, Ballyclare	Removed vegetation from parapet and wingwall. Repaired scoured invert and apron	£1,062
B59	Ballyvoy Bridge, Ballymena Road, Doagh	Removed vegetation and re-pointed. Repaired parapets and coping. Concreted verges.	£4,377
U1068	Scoboa Bridge Old Ballynoe Road, Antrim	Removed trees and vegetation. Repaired crack and scour at wingwall.	£523
C51	Drumaslough Bridge Church Road, Toome	Removed vegetation. Repaired headwalls, wingwalls and section of wooden fence.	£6,209
U1027	Ballynamullan Bridge Cargin Road, Toome	Rebuilt downstream parapet. Removed vegetation.	£3,642
B95	Burnside Bridge Loughanmore Rd, Antrim	Removed silt from structure. Repaired and repainted metal parapet railings.	£8,848

Completed Maintenance of Structures 2020/21 (cont.)

Route No.	Name	Description	Cost
A2	Shore Road Bridge Shore Road, Whiteabbey	Upgraded parapet on upstream side. Repaired undermining at column and cutwater.	£6,606
U421	Cashel Subway, Newtownabbey	Repaired subway door	£472

Total cost of completed Maintenance of Structures - £104,849



Completed Scheme - Ballynamullan Bridge parapet repairs.

Proposed Maintenance of Structures 2021/22

Route No.	Name	Description	Estimate
B59	Mossley Halt Doagh Road, Mossley	Repair concrete bridge deck and soffit	£70,000
A26	Muckamore Bridge Oldstone Road, Antrim	Remove vegetation and re- point. Repair cutwaters and aprons	£15,000
U19	Ballycraigy Bridge, Ballycraigy Road, Newtownabbey	Upgrade parapets to meet current standards.	£105,000
C36	Foolfoot Bridge, Seskin Road, Ballynure	Take down and rebuild both damaged parapets. Remove shrub and repair scoured invert	£14,000
B53	Peters Bridge, Craigstown Road, Antrim	Remove vegetation. Repair longitudinal & transverse cracks on deck and abutments.	£10,000

Total estimated cost of proposed Maintenance of Structures - £214,000

Completed Road Restraint System Upgrade Work 2020/21

Road No.	Name	Description	Cost
C45	Steeple Road, Antrim	Upgraded 240m of vehicle restraint system to meet current standards	£37,556
B39	Seven Mile Straight, Antrim	Carried out investigations with regards upgrading vehicle restraint system.	£3,913
U1192	Technology Park, Antrim	Upgraded 178m of vehicle restraint system and bridge parapets to meet current standards	£161,826

Total cost of completed Road Restraint Systems upgrade work - £203,295



Completed Scheme – Steeple Road VRS Upgrade

Proposed Road Restraint System Upgrade Work 2021/22

Road No.	Name	Description	Estimate
U1099	Carnanee Road, Templepatrick	Upgrade vehicle restraint system to meet current standards.	£30,000
A26	Old Stone Road, Antrim	Upgrade vehicle restraint system to meet current standards.	£10,000
A26	Seven Mile Straight, Antrim	Upgrade vehicle restraint system to meet current standards.	£10,000
U1046	Magherabeg Road, Antrim	Upgrade vehicle restraint system to meet current standards.	£10,000
U1050	Maghereagh Road, Antrim	Upgrade vehicle restraint system to meet current standards.	£10,000

Total estimated cost of proposed Road Restraint Systems upgrade work - £70,000