

SOUTHERN DIVISION

Annual Report 2018/2019 to Ards and North Down Borough Council



A2 Bangor– Belfast Road Relighting Scheme

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Chairperson and Councillors Ards and North Down Borough Council

I have pleasure in submitting my Annual Report on DfI Roads Southern Division work in the Ards and North Down Borough Council area.

Southern Division is one of four Roads Divisions in the Department and covers the three Council areas shown on page 5 of this report. We manage and maintain the road network on a daily basis, commission new works and we are the contact point for road users and public representatives.

This report deals with works completed in Ards and North Down during the year 2017/2018 and sets out our initial proposals for schemes to be undertaken in 2018/2019.

As you will all be aware 2017/18 was a very challenging year in relation to budgets and the Department was only able to provide a limited service in relation to routine maintenance activities.

In addition, it is clear that the severe winter has had a significant detrimental impact on the road network and this has exacerbated some of the issues that the Department has been facing in relation to routine road maintenance, such as pothole repairs, as a result of ongoing budgetary pressures.

Going into 2018/19 the financial position is more positive than last year, particularly on the Capital side, and the Department has been able to establish a Roads Recovery Fund which will allow Divisions to tackle the worst roads affected by potholes as a result of the severe winter. More information on this fund can be found on Page 6 of the Report.

I would like to take this opportunity to thank all staff who delivered our winter maintenance service throughout the last winter season. It was an exceptional winter in comparison to recent years and it required an exceptional team effort across the Department to keep roads passable and open to traffic during very difficult driving conditions. In relation to the forthcoming 2018/2019 winter season I can inform you that the Department is prepared and ready to deliver a winter maintenance service this year.

I hope you find this report informative and I look forward to meeting the Council to discuss the work we have completed and the work we plan to complete during this year.

Simon Richardson
Divisional Roads Manager



Simon Richardson
Divisional Manager

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



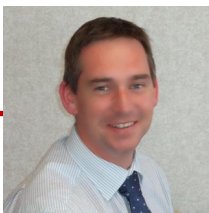
Liam McEvoy
Strategic Road Improvements (SRI) Manager

Major works schemes (>£1.5M)



Arnold Hamilton
Network Maintenance Manager

Maintenance of existing road network



James Kelly
Network Development Manager

Improvements and minor works



Reynold Nicholson
Network Planning Manager

Development Control, Private Streets and Street Lighting

Southern Division is one of four Client Divisions within DfI Roads. It spans the local Council areas of Armagh City, Banbridge and Craigavon, Newry Mourne and Down and Ards and North Down Council Areas (see map below).



In Southern Division we are responsible for approximately 8000km of public road together with 1300 bridges, 250 sets of traffic lights, 81,000 streetlights and over 4000 illuminated signs and bollards. 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 existing network
- **Network Development** - Improvements to the existing network
- **Network Planning** - Regulation of proposed additions to the network by developers

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Roads Recovery Fund

As mentioned in the Foreword, the 2017/18 winter season has had a severe detrimental impact on the road network.

As a result of the 2018/19 budget, the Department has been able to allocate £75m to Structural Maintenance across the four Roads Divisions for resurfacing type work. Of this £75m, £15m has been allocated to a Roads Recovery Fund specifically designed to address the roads which have been worst affected by potholes as a result of the severe winter.

We will use this fund to carry out short lengths of resurfacing rather than repairing a large number of individual potholes in problem areas.

Section Engineers, and their staff, across the Division are identifying the worst locations for inclusion on our works programmes. This work will start early in the new financial year to reduce the number of potholes across the network and help prevent additional defects from forming.

Report a Fault Service

As explained in last year's report DfI lost a significant number of staff through the Voluntary Exit Scheme which was implemented across the whole of the Northern Ireland Civil Service. As a result of this we in Southern Division had to develop reduced staffing structures and implement new procedures to try to maintain our level of service.

One area of significant workload is dealing with correspondence and, in particular, dealing with correspondence relating to individual defects. In such cases we are continuing to ask the public, and public representatives, to report defects through our "Report a Fault" service rather than writing through normal correspondence.

Defects reported through the "Report a Fault" service are recorded directly onto our work planning system and helps get the work done quicker.

You can report a fault on-line at the NI Direct Website

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

SECTION 1

Strategic Road Improvements

Strategic Road Improvements Manager: Liam McEvoy

Liam is supported by the following staff



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There are currently no Strategic Road Improvement schemes programmed within the Ards and North Down Council area.

SECTION 2

NETWORK MAINTENANCE

Network Maintenance Manager: Arnold Hamilton

Arnold is supported by:-



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Explanation of Maintenance Operations

Resurfacing and Strengthening

Roads generally fail by cracking and rutting. They usually do not fail suddenly, but gradually deteriorate due to the impact of traffic, age and weathering. Wear normally appears as either excessive permanent deformation of the whole or part of the carriageway structure, or is associated with the cracking of the bituminous layers.

Roads are normally designed for an operational life of 20 years. During this period and beyond, there is a need for the highway authority to intervene at times to either treat or replace the top layer of bituminous material known as the "surface course" or to provide additional depth to preserve the underlying structure of the road and extend its life.

Resurfacing is the application of a layer of this mixed material of 40mm minimum thickness. It strengthens the road, seals it against the ingress of water, and improves skidding resistance and riding quality.

Surface course Bitumen Macadam (Bitmac) has an expected life of 7-12 years which can be extended by subsequent surface dressing. Bitmac is a more flexible material than Asphalt and more suitable for the deformation and movement associated with weaker underlying ground conditions.

Asphalt resurfacing is more appropriate to heavily trafficked roads and junctions having a robust road base. It is more expensive and has a longer expected life of 15-20 years.

Resurfacing of existing roads can usually be carried out on top of the existing surface (overlay) but where drainage or kerb levels or bridge heights are restricted the existing surface may need to be removed before the resurfacing takes place.

Explanation of Maintenance Operations (continued)

Surface Dressing

This process involves spraying a bitumen emulsion binder onto the existing road surface, followed by a layer of stone chippings, which is then rolled. This seals the road preventing ingress of water thus extending the life expectancy of the road and also helps to improve the skid resistance on the surface.

Micro Surfacing

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

Refurbishment

This is the laying of bituminous materials on roads as one layer over shorter lengths to provide an improved surface.

Drainage Works

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

Explanation of Maintenance Operations (continued)

Grass Cutting

Grass cutting is carried out for road safety reasons rather than for amenity purposes. Previous grass cutting policy allowed for routine cutting of 1 swathe width (approximately 1.2m) twice a year in rural areas and five times a year in urban areas,

However, this year due to financial constraints the policy was amended and only one cut will be carried out across rural and urban areas, with the exception of sightlines which were re-cut as required.

Gully Emptying

In previous years drainage gullies in urban areas were cleaned twice per year and in rural areas once per year. Open outlets were also cleaned once per year. However, this year due to financial constraints routine gully cleaning will only be carried out once in all areas.

Emergency Out of Office Hours Assistance

We have a call centre to deal with calls outside normal office hours.

DfI Roads personnel can be called upon to deal with emergencies such as flooding , obstructions such as fallen trees, and when requested by Emergency Services, in clearing up after road traffic collisions.

Routine roads related matters are not dealt with by this service and should be raised with DfI Roads offices during normal working hours.

The Emergency Out Of Hours telephone number is 028 3752 9500

Network Maintenance Schemes Completed 17/18

2.1 Completed Asphalt Resurfacing

Route No	Road Name / Location	Area(m2)
A0023	Belfast Road, Ballygowan	3969
A0023	Moneyrea Road, Ballygowan	441
A0002	Main Road, Portavogie	4724
A0002	Shore Street, Donaghadee	1431
A0002	Warren Road, Donaghadee	1188
C0260	Shore Road, Portaferry	6664
C0368	Rathgael Road, Bangor	3916
C0259	Loughdoo Road, Portaferry	13943
C0251	Crawfordsburn Road, Newtownards	9114
U0134	Balloo Road, Bangor	5848
U8105	Sullivan Place, Holywood	1473



Completed Asphalt Resurfacing (continued)



Network Maintenance Schemes Completed 17/18 (continued)

2.2 Completed Bitumen Macadam Resurfacing

Route No	Road Name / Location	Area(m2)
U8004	Railwayview Street, Bangor	1000
U8016	Primrose Street, Bangor	625
U8016	Primrose Avenue, Bangor	500
U8034	Skipperstone Road, Bangor	950
U8037	Beaumont Court, Bangor	430
U8100	Richdale Drive, Holywood	306
U8107	Edinburgh Avenue, Holywood	500
U0320	Bog Road, Portavogie	2964
U0200	Florida Road, Killinchy	4000
C0271	Kilcarn Road, Killinchy	3600
U0260	Old Ballygowan Road, Comber	630
U0325	Lusky Road, Killinchy	900
U0200	Manor Road, Lisbane	2300



**KILCARN ROAD
KILLINCHY**



**FLORIDA ROAD
KILLINCHY**



**BOG ROAD
PORTAVOGIE**

Network Maintenance Schemes Completed 17/18 (continued)

2.3 Completed Surface Dressing

Route No	Road Name / Location	Area(m2)
U0013	Tubber Road, Kircubbin	7456
U0144	Roddans Road, Ballywalter	3801
U0145	Balligan Road, Ballywalter	4914
U0310	Quarter Road, Cloughey	8378
U0310	Links Road, Cloughey	2184
C0260	Ardminnan Road/Manse Road, Cloughey	13715
U0309	Ardminnan Road, Cloughey (Omit Asphalt section)	6053
U0308	Drumarden Road, Cloughey	9700
U0307	Ballygalget Road, Portaferry	9910
U0309	Tullymally Road, Portaferry	8120
U0307	Craigaroddan Road, Portaferry	2625
C0260	Newcastle road, Portaferry	14688
U0005	Kearney Road, Portaferry	2310
U0303	Kearney Road, Portaferry	3597
U0244	Ringcreevy Road, Comber	3895
U0244	Islandhill Road, Comber	3150
U0246	Longlands Road, Comber	3240

Network Maintenance Schemes Completed 17/18 (continued)

2.4 Completed Footway Reconstruction

Route No Road Name / Location

U8014	Lowry Hill, Bangor
U8014	Killaire Avenue, Bangor
U8004	Railway view Street, Bangor
U8106	Primrose Street, Bangor
U8106	Primrose Avenue, Bangor
U8107	Edinburgh Avenue, Holywood
U8100	Richdale Drive, Holywood
U9008	Saratoga Avenue, Newtownards
U9008	Glenford Road, Newtownards
U9008	Innisfree Park, Newtownards
U9008	Shiralee drive, Newtownards
U9008	Frensham Road, Newtownards
A0023	Belfast Road, Ballygowan
C0260	Shore Road, Portaferry
A0002	Main Road, Portavogie
U0320	Bog Road, Portavogie
C0368	Rathgael Road, Bangor
A0002	Warren Road, Donaghadee
A0002	Shore Street, Donaghadee



Network Maintenance Schemes Completed 17/18 (continued)

2.5 Completed Drainage Maintenance Works

Route No	Road Name / Location	Route No	Road Name / Location
C0263	Belfast Road, Newtownards	A0002	Hollywood By-Pass, Holywood
U0207	Church Road, Kilmood	U8034	Newtownards Road, Bangor
U0264	Magherascouse Road, Ballygowan	U8027	Ballycrochan Road, Bangor
C0296	Ravara Road, Ballygowan	U8023	Fruithill Park, Bangor
U9000	Landsdowne Road, Newtownards	U8007	Jubilee Drive, Bangor
U0105	Tullynagardy Road, Newtownards	C0303	Demesne Road, Holywood
A0023	Belfast Road, Ballygowan	U8005	Maryville Road, Bangor
C0259	Loughdoo Road, Portaferry	U8015	Princetown Road, Bangor
U0200	Florida Road, Killinchy	C0268	Rathgaele Road, Bangor
A0002	Main Road, Portavogie	C0260	Shore Road, portaferry
A0020	Deerpark Road, Portaferry	U0319	Mountain Road, Portaferry
U0308	Drumarden Road, Ballygalget	U0305	Ballygelagh Road, Kircubbin
A0002	Donaghadee Road, Millisle	U0219	Crossnamuckley Road, Newtownards

Network Maintenance Schemes Completed 17/18 (continued)

2.6 Completed Coastal Defences

Route No	Road Name / Location
A0020	Portaferry Road at Finlay's Road Repairs to sea wall carriageway sub-structure
A0020	Portaferry Road, Greyabbey Repairs to concrete revetment and sea wall repairs
U0132	Seafront Road, Cultra Repairs to concrete revetment and undermining of footway

2.7 Completed Structural Stability

Route No	Road Name / Location
A0022	Sidefilling at Killyleagh Road, Killinchy

Network Maintenance Schemes Completed 17/18 (continued)

2.8 Network Maintenance - Winter Service 17/18

The aim of winter service is to help, as far as possible, main road traffic to move safely and freely in wintry conditions by spreading salt at the most effective times. It is vital that we cover as much traffic as possible for the available budget and criteria have been devised to identify the roads that would provide the best cost benefits.

Within Southern Division, a fleet of 38 gritting vehicles and over 140 personnel were available, from mid-October 2017 to mid-April 2018, to salt approximately 2200 km of main roads. We aim to complete a salting action in just over 3 hours, which is an immense logistical exercise. There were 105 salting actions this year (almost double the previous winter service period), at a cost of just under £25,000 per action; the first action being 19 October 2017 and the last on 2 April 2018. Approximately 25,500 tonnes of salt was used. These figures do not include work carried out on the M1 and the A1 which are maintained by our partner companies.

Because of the high costs involved, it is essential that our engineers take informed decisions and they are assisted in this task by Met Office staff and the very latest technology. There are currently 21 DfI Roads maintained weather stations across Northern Ireland with an additional 4 stations maintained by our partner companies, and 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.



Network Maintenance Schemes Proposed 18/19

2.9 Proposed Asphalt & Bitmac Resurfacing

Asphalt

Route No	Road Name / Location	Area(m2)
A0021	Cherryvalley Line (TRN Scheme)	10000
U8037	Ashbury Avenue, Bangor	7400
C0367	Church Hill, Ballygowan	2300
C0367	Moss Road, Ballygowan	650
C0272	Carrickmannon Road, Ballygowan	4100
B0172	Movilla Road, Newtownards	7200
C0252	Ballyblack Road East, Carrowdore	11500
C0251	Crawfordsburn Road, Newtownards	7500
A0029	Killinchy Street, Comber	3800
A0020	Rowreagh Road, Kircubbin	4000
B0178	Hillsborough Road, Comber	8200
U9010	Glenburn Road, Newtownards	1300
U0132	Cultra Avenue, Holywood	3600

Bitumen Macadam

Route No	Road Name / Location	Area(m2)
U0207	Kilmood Church Road, Kilmood	4000

Network Maintenance Schemes Proposed 18/19 (continued)

2.10 Proposed Surface Dressing

Route No	Road Name / Location	Area(m2)
U0133	Kylestone Road, Bangor	8094
U0133	Lower Balloo Road, Bangor	5621
C0266	Ballyrainey Road, Comber – Newtownards	15864
C0269	Hillhead Road, Comber (Part)	5170
C0274	Drumreagh Road, Ballygowan	2385
U0205	Drumreagh Road, Ballygowan	6600
U0214	Springmount Road, Ballygowan	5000
U0216	Tullyhubbert Road, Ballygowan	6800
U0310	Blackstaff Road, Kircubbin	13064
U0312	Upper Ballygelagh Road, Cloughey	4503
U0313	Dunevely Road, Cloughey	8914
U0319	Mountain Road, Portaferry	8577
U0317	Loughshore Road, Portaferry	10062
U0302	Barrhall Road, Portaferry	20559

Network Maintenance Schemes Proposed 18/19 (continued)

2.11 Proposed Footway Reconstruction

Route No	Road Name / Location
U0291	Victoria Crescent, Newtownards
U0291	Victoria Park, Newtownards
U9010	Glenburn Road, Newtownards
C0367	Church Hill, Ballygowan
C0367	Moss Road, Ballygowan
C0272	Carrickmannon Road, Ballygowan
	Lynne Road, Bangor
	Elsinore Avenue, Bangor
	Primrose Avenue, Bangor
	Greenmount Avenue, Bangor
	Alandale, Bangor
	Fruithill Park, Bangor

Network Maintenance Schemes Proposed 18/19 (continued)

2.12 Proposed Drainage Maintenance Works

Route No	Road Name / Location
A0002	Bangor Road, Holywood
C0303	Old Holywood Road, Holywood
U8101	Invergourie Road, Holywood
U8015	Maxwell Road, Bangor
A0021	Newtownards Road, Bangor
U8024	Moira Park, Bangor
A0021	Cherryvalley Line, Comber
A0021	Bangor Road, Newtownards
C0256	Mountstewart Road, Carrowdore
U0169	Islandhill Road, Millisle
C0257	Innishargy Road, Kircubbin

2.13 Proposed Coastal Defences

It is proposed to carry out remedial work to a number of retaining structures supporting the coast road around the Ards Peninsula affected by the impact of waves, storms and tides.

Network Maintenance Schemes Proposed 18/19 (continued)

Maintenance of Structures

Highway Structures include bridges, sign gantries and retaining walls. All bridges must be capable of carrying 40 tonne vehicles and this requirement has led to the ongoing assessment of bridges in the area.

Structures Section manages the 1,278 bridges and culverts with a span of 1.8m and greater within the Division, 133 of which are in the Ards & North Down Borough Council Area. Smaller structures are managed by the local DfI Section Offices.

2.14 Structures Maintenance Schemes Completed in 17/18

Structures Maintenance work completed within Ards & North Down Borough Council.

Bridge Name	Bridge Number
Crawfordsburn	90321
Killinchy Bridge, Balloo	50178
Drumreagh Bridge, Ballygowan	50174

2.15 Structures Maintenance Schemes Proposed 18/19

Structures maintenance work proposed within Ards & North Down Borough Council in 2018/19 is estimated at approximately £30K.

Bridge Name	Bridge Number
Moss Road, Millisle	50336
Portaferry Road, Newtownards	50530
Carleton Bridge A21 South Street Newtownards	50421

Other maintenance schemes within the Ards & North Down Borough Council Area will be dependent on the available budget within the year. All other bridges are inspected routinely. This generates an ongoing programme of maintenance/repairs to bridges and other structures.

SECTION 3

NETWORK DEVELOPMENT

Network Development Manager: James Kelly

The Network Development Section deals with all matters pertaining to;

Minor Works and Micro Schemes

Traffic Management

Collision Remedial

Traffic Calming

Pedestrian Measures

Safer Routes to School

Bus Priority Measures

Cycling Measures

Road and Lane Closures

Legislation



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LOCAL TRANSPORT AND SAFETY MEASURES

The Regional Transportation Strategy (RTS) identified the importance of Local Transport and Safety Measures (LTSM) and highlighted some of the principal initiatives to be addressed, including:

- local improvements in towns across Northern Ireland to assist pedestrians and cyclists;
- local highway infrastructure measures to improve safety, such as collision remedial schemes and traffic calming schemes; and
- Network Development schemes (minor works).

LTSM expenditure tends to be widely spread and most communities benefit, as an individual scheme is relatively low cost in comparison to the cost of projects on the Strategic Works programme. They are usually very visible measures and provide good value for money in terms of a safer road transport system, which benefits society, the economy, the environment; and actively contributes to everyone's quality of life.

3.1 NETWORK DEVELOPMENT SCHEMES COMPLETED 2017/18

MINOR WORKS

A20, DEER PARK ROAD / LOUGHDOO ROAD, ARDKEEN – Junction Improvement

This scheme, which was completed in Summer 2018, has provided improved visibility at the Deer Park Road / Loughdoo Road junction.



Photographs showing existing junction



Photographs showing completed scheme

3.1 NETWORK DEVELOPMENT SCHEMES COMPLETED 2017/18

COLLISION REMEDIAL

- **A20 PORTAFERRY ROAD / FINLAYS ROAD, ARDS**

Enhanced signing has been provided on A20 Portaferry Road to aid warning to northbound traffic of the presence of the junction at Finlays Road. A review of collision data provided by PSNI has identified rear end shunts as a common factor on collisions at this location.

- **A2 BELFAST TO BANGOR DUAL CARRIAGEWAY AT SHORE ROAD / THE ESPLANADE, HOLYWOOD**

Signal phase amendments have been made to the junction to address the collision history for collisions caused by opposing traffic exiting side roads onto the main A2 route.

The modified signal sequence now allows traffic from both The Esplanade and Shore Road (town centre) to receive separate green signals. This means egress from either direction will no longer be impeded by the need to give way to opposing traffic thereby making the movement safer and allowing traffic to move out of the two side roads without delay.

3.1 NETWORK DEVELOPMENT SCHEMES COMPLETED 2017/18

TRAFFIC CALMING

PARK DRIVE, BANGOR – Provision of Road Humps

A series of road humps have been provided along Park Drive, to improve driver behaviour and control traffic speeds. The signal junction with Hamilton Road has also been upgraded.



Provision of vertical deflection measures (road humps)



Upgrade of traffic signal junction

3.1 NETWORK DEVELOPMENT SCHEMES COMPLETED 2017/18

PEDESTRIAN MEASURES - CONTROLLED CROSSINGS

The provision of new Puffin Crossings commenced at the following locations:-

- **CASTLE STREET, COMBER** at Post Office
- **CIRCULAR ROAD, NEWTOWNARDS** at Regent House School

Completed in 2018/19—See page No 40

PEDESTRIAN MEASURES - FOOTWAY

A2 MILLISLE ROAD @ EGDEWATER, DONAGHADEE – Footway Extension

A new section of footway has been provided to assist pedestrians gaining access to the local bus stop. Photos before and after scheme construction.



Before



After

3.1 NETWORK DEVELOPMENT SCHEMES COMPLETED 2017/18

TRAFFIC MANAGEMENT - TRAFFIC SIGNS

- Belfast Road, Newtownards - double bend warning sign on yellow backing.
- Ballygowan Road at Tullyhubbert crossroads – 2 staggered junction warning signs on yellow backing.
- Woburn Road, Millisle – 2 Horse warning signs.
- Ballyblack Road East / Movilla Road junction— 900 giveaway sign on yellow backing
- Regent Street, Newtownards – 3 taxi rank signs
- Greyabbey to Ballywalter Road at Ballyatwood Road – chevron and bend warning signs
- Killaughey Road, Donaghadee at bridge – 2 chevron signs on yellow backing
- A2 Belfast Road/Ballyrobert Road Bangor- 2 National speed limit signs and 2 50mph signs
- Craiganlet Crossroads- 5 National speed limit repeater signs
- Towerview Crescent, Bangor - 2 School Ahead signs on yellow back
- Orlock Road, Groomsport—6 National speed limit repeater signs
- Ballymoney Road, Bangor—4 National speed limit repeater signs
- Craiganlet Crossroads—18 National speed limit repeater signs
- Ballyrobert Road, Crawfordsburn - 12 National speed limit repeater signs
- Bridge Street, Bangor—3 No Entry signs

3.1 NETWORK DEVELOPMENT SCHEMES COMPLETED 2017/18

TRAFFIC MANAGEMENT

WAITING RESTRICTIONS

- Bridge Street / The Square, Comber - Loading restrictions for on street parking and Disabled Bay 3 hour Time restrictions
- High Street Bangor—31m extension to existing Waiting restrictions
- Ashbury Avenue and Albany Road, Bangor - Legislation to cover existing School Keep Clear markings
- Cootehall Road, Crawfordsburn - Legislation to cover existing School Keep Clear marking

TRAFFIC MANAGEMENT - SPEED LIMIT

- B172 Movilla Road, Newtownards – extension to existing 40mph speed limit and 40mph repeater signage.



3.1 NETWORK DEVELOPMENT SCHEMES COMPLETED 17/18

TRAFFIC MANAGEMENT - ACCESSIBLE PARKING BAYS PROVIDED

- 27 Bow Street, Donaghadee
- 24 Elm Drive, Newtownards
- 17 John Street Lane, Newtownards
- 31 Blenheim Drive, Newtownards
- 15 Bruce Avenue, Comber
- 84 High Street, Portaferry
- 102 Downshire Road, Holywood
- To the rear of 226 Clandeboye Road, Bangor
- 40 Beatrice Road, Bangor
- 1 Lisadell Place, Bangor

ACCESSIBLE PARKING BAYS REMOVED

- 55 Movilla Street, Newtownards
- 12 Anne Street, Portaferry
- 10 Donaghadee Road, Newtownards
- 15 Primrose Avenue, Bangor
- 13 Spencer Street, Holywood

3.1 NETWORK DEVELOPMENT SCHEMES COMPLETE 17/18

TRAFFIC MANAGEMENT - ROAD MARKINGS

- John Street, Newtownards - edge of carriageway markings
- Zion Place, Newtownards—layby markings
- Movilla Road, Newtownards—2 Patrol road markings and red surfacing at Abbey Primary School.
- Mark Street, Newtownards - T Bar marking at entrance to house No. 28a.
- Mark Street, Newtownards, 15m corner restrictions
- Mark Mews, Newtownards, 15m corner restrictions
- High Street, Ballyhalbert - T Bar marking at house no 60.
- Belfast Road, Newtownards - 3 SLOW road markings.
- Bridge Street Link, Comber - 5 On Street Parking Bay markings in existing bay.
- Ballyvester Road, Donaghadee - 2 SLOW markings.
- Pound Street, Newtownards at house 41 – T Bar road marking.
- Glastry Road, Kircubbin— 150m of centreline, 2no1.6m SLOW road markings and one give way marking.
- Beverley Park / Beverley Road, Newtownards - give way junction markings
- Beverley Park / Beverley Road, Newtownards - give way junction markings
- Mark Street, Newtownards - T Bar road marking at entrance to house No. 28a.
- Donaghadee Road, Newtownards at house 320 – SLOW markings
- Donaghadee Road, Newtownards adjacent to Hogstown Road junction – SLOW markings
- Killaughey Road, Donaghadee – junction markings
- Windmill Road, Donaghadee – junction markings
- Gannaway Estate, Whiterock—Give way junction markings
- Bay View Road, Killinchy – 2 SLOW markings

3.1 NETWORK DEVELOPMENT SCHEMES COMPLETE 17/18

TRAFFIC MANAGEMENT - ROAD MARKINGS (CONT.)

- Gransha Road, Bangor - 30 mph Roundel
- Church Road, Holywood – 30 mph Roundel
- Clandeboye Road, Bangor— Right turn arrow.
- Junction of Springhill Avenue/Crawfordsburn Park, Bangor-15m corner restriction
- Junction of Glenview Court/Crawfordsburn Road, Bangor -15m corner restriction and T Bar marking
- Seacliff Road, Bangor-15m corner restriction at mini roundabout
- Seapark Road, Holywood-15m corner restriction
- Junction of Balloo Drive/Balloo Park, Bangor-15m corner restriction
- Junction of Springhill Road/Innisfayle Drive, Bangor-15m corner restriction
- Clifton Road, Bangor - T Bar marking across entrance

3.2 NETWORK DEVELOPMENT SCHEMES PROPOSED 18/19

MINOR WORKS

A48, NEWTOWNARDS ROAD at Cotton, DONAGHADEE – Infill Footway

This scheme to improve accessibility and safety for pedestrians has been split into 2 sections with the infill footway along the A48 Newtownards Road at the new development at Avonmore Court being delivered by the Department under Private Streets funding.



Work commenced in October 2018

Existing layout at Avonmore Court

The provision of a footway / sightline improvement at the junction of A48 Newtownards Road at Bailie Terrace will require the acquisition of land . Negotiations with the landowner failed to reach agreement and the scheme will be reviewed with the option for vesting to be considered.



Existing view from Bailie Terrace

3.2 NETWORK DEVELOPMENT SCHEMES PROPOSED 18/19

PEDESTRIAN MEASURES

A20 PORTAFERRY ROAD NEWTOWNARDS— CENTRAL ISLANDS

It is proposed to provide three central pedestrian islands with associated dropped kerbs and tactile paving to assist pedestrians cross this busy road and prevent overtaking. One Central Island to be constructed within the desire line between Londonderry Park and the Texaco garage across the road. Due to the current parking pattern at weekends and on the advice of the PSNI, the Department will also provide advisory bar markings along the length of the central islands.

A2 MILLISLE ROAD DONAGHADEE—CENTRAL ISLANDS

It is proposed to provide two central pedestrian islands on the A2 Millisle Road, outside house no. 99 and approximately 15m north of Sunnydale Avenue with associated dropped kerbs, tactile paving and central hatching road markings to assist pedestrians crossing this busy road and prevent overtaking.

A2 GROOMSPORT — HARDSTANDING AND INFILL FOOTWAY

It is proposed to provide a hardstanding and a section of new footway to improve accessibility and road safety for pedestrians who regularly walk along the A2 from the junction with Lower Balloo Road to the bus stop 110 m of the junction.

3.2 NETWORK DEVELOPMENT SCHEMES PROPOSED 18/19

COLLISION REMEDIAL

A review of collision data provided by PSNI has identified rear end shunts as a common factor on collisions at a number of the following locations. The provision of high friction surfacing is the preferred treatment for such incidents to raise driver awareness and improve safety on the approach to the roundabout.

- **A21 COMBER ROAD / CAMBOURNE ROAD, ARDS**
When additional funding becomes available for resurfacing of A21, high friction surfacing will be provided on the Newtownards bound carriageway on the approach to junction to Cambourne Road to aid reduction in collisions.
- **CARRICKMANNON ROAD / STATION ROAD / KILCARN ROAD, ARDS**
High friction surfacing and enhanced warning signage to be provided on Station Road and Kilcarn Road on approach to the junction with Carrickmannon Road.
- **A21 NEWTOWNARDS ROAD AT GREENS ROAD**
The provision of a right turn filter for traffic travelling from Newtownards into Greens Road will address a collision history from vehicles failing to give way to oncoming traffic.
- **ZION PLACE ROUNDABOUT, ARDS**
Alterations to road markings with associated signs to delineate traffic flows and aid lane discipline to address collisions on the roundabout.
- **COMBER ROAD ROUNDABOUT AT MESSINES ROAD, ARDS**
Alterations to road markings with associated signs to delineate traffic flows and aid lane discipline to address collisions on the roundabout.
- **B178 HILLSBOROUGH ROAD, COMBER**
Approximately 380 metres of high friction surfacing was provided in Summer 2018 on Hillsborough Road to address a series of single vehicle collisions on the bends.

3.2 NETWORK DEVELOPMENT SCHEMES PROPOSED 18/19

CYCLING MEASURES

A2 BANGOR TO BELFAST DUAL CARRIAGEWAY from BALLYROBERT ROAD TO COOTEHALL ROAD — CYCLE LANES

Following the provision of the necessary legislation, a shared cycle / footway will be provided on the north side of the Bangor to Belfast dual carriageway to provide cycle facilities from Ballyrobert Road junction to Cootehall Road.

A2 GRANSHA ROAD BANGOR TO B21 DONAGHADEE ROAD BANGOR — CYCLE LANES

Following the increase in cycling activity in the Gransha Road area, it is proposed to provide a route from Gransha Road Roundabout to Donaghadee Road through Broadway to encourage cyclists to use quiet streets to gain access to the town centre.

3.2 NETWORK DEVELOPMENT SCHEMES PROPOSED 18/19

PEDESTRIAN MEASURES - CONTROLLED CROSSINGS

Two new controlled Puffin Crossings were installed in Summer 2018 at the following locations:-

- **CASTLE STREET, COMBER** at Post Office



- **CIRCULAR ROAD, NEWTOWNARDS** at Regent House School



The crossings will help improve safety for pedestrians and encourage more walking in the area.

3.2 NETWORK DEVELOPMENT SCHEMES PROPOSED 18/19

TRAFFIC MANAGEMENT - ACCESSIBLE PARKING BAYS

- 49 Victoria Avenue, Newtownards
- Mill Street, Newtownards, adjacent to Public Toilets
- 21 Ardmillan Crescent, Newtownards
- 26 Ann Street, Portaferry
- 31 High Street, Donaghadee
- 71 Blenheim Drive, Newtownards
- 55 Blenheim Drive, Newtownards
- 15 Shore Street, Donaghadee
- 12 Manor Street, Donaghadee
- 24 Main Street, Kircubbin
- 67 Mill Street, Comber
- 18 Windsor Gardens, Bangor
- 19 Primrose Street, Bangor
- 40 Beatrice Road, Bangor
- 53 Beatrice Road, Bangor
- 1 Lisadell Place, Bangor
-

TRAFFIC MANAGEMENT - ACCESSIBLE PARKING BAYS ALREADY PROVIDED in 18/19

- 3 Hardford Mews, Newtownards
- 4 Cypress Park, Donaghadee
- 36 Main Street, Greyabbey
- 25 Greenwell Place, Newtownards

3.2 NETWORK DEVELOPMENT SCHEMES PROPOSED 18/19

ACCESSIBLE PARKING BAYS TO BE REMOVED

- 21 High Street,Portaferry
- 164 Mill Street,Newtownards
- To the rear of 21 Anne Street, Portaferry
- 12 Lower Crescent, Comber
- 13 Park Crescent, Comber
- 15 Primrose Avenue, Bangor

ACCESSIBLE PARKING BAYS ALREADY REMOVED in 18/19

- 15 Warren Road, Donaghadee
- 10 Auster Park, Newtownards

Accessible Parking bay applications will be assessed before the completion of the necessary legislative process. Successful applications are required to be notified in local newspapers offering the opportunity for the general public to submit their views. Any objections must be fully considered before the application can progress to the legislative.

Because of the processes involved, applications are required to be grouped and processed in batches on two or maybe three occasions during the year.

3.2 NETWORK DEVELOPMENT SCHEMES PROPOSED 18/19

TRAFFIC MANAGEMENT

WAITING RESTRICTIONS

- Grange Road, Bangor- Legislation to cover existing School Keep Clear markings
- Portavogie Primary School, Harbour Road, Portavogie – Legislation covering existing school keep clear markings
- Millisle Primary School, Abbey Road, Millisle – Legislation covering existing school keep clear markings
- Frances Street, Newtownards – On Street Parking Restrictions

SPEED LIMITS - PART TIME 20MPH SPEED LIMIT AT SCHOOLS

The Department has introduced part-time speed limits of 20mph outside two rural primary schools in the Ards and North Down area. The part time 20mph speed limits are targeted at rural locations where the national speed limit (60mph) applies.

The 20mph part time speed limit is now effective at the following schools;

- Ballyvester Primary School – Killaughey Road, Donaghadee
- Carrickmannon Primary School – Carrickmannon Road, Ballygowan

New legislation reduces the National Speed Limit to 20mph for a short time at the start and end of the school day when pupils are arriving in the morning and leaving school in the afternoon. This is for a distance of 400-500 metres along adjacent roads in the vicinity of each school and will be enforceable by the PSNI.

Motorists should be aware of, and adhere to, the new arrangements in the vicinity of these schools. Lighting on the signs (Wig Wag lights) will advise motorists when the speed limit is in effect. These signs will remain off for most of the time but will light up at the start and end of the school day.



3.2 NETWORK DEVELOPMENT SCHEMES PROPOSED 18/19

TRAFFIC MANAGEMENT

ROAD MARKINGS to be provided

- Ballyvester Road, Donaghadee - 2 SLOW markings.
- Ballyhaft Road, Loughries— 2 SLOW markings
- Frances Street, Newtownards—T Bar marking
- Belfast Road, Comber—T Bar marking
- Glenford Road, Newtownards—T Bar marking
- Talbot Street, Newtownards—T Bar marking
- Mark Street, Newtownards—T Bar marking
- Balloo Hamlet—15m corner restrictions plus T bar marking
- Killinchy Street, Comber—T Bar marking
- Millisle Road, Donaghadee – Lay by and zig zag markings
- Ballywalter Gardens, Bangor- T Bar marking

3.2 NETWORK DEVELOPMENT SCHEMES PROPOSED 18/19

TRAFFIC MANAGEMENT

ROAD MARKINGS provided in 2018/19

- Junction of Crawfordsburn Road/Glenview Court, Bangor -15m corner restriction
- Bryansburn Road, Bangor - 2 T bar markings
- High Street, Holywood—31m extension to double yellow lines
- Holywood, Junction of My Lady's Mile and Ardlee Avenue—15m corner restriction
- Whinney Hill, Holywood– SLOW marking'
- Castle Street , Bangor –Terminal marking and T Bar marking
- Springhill Avenue, Crawfordsburn Park, Bangor –15m corner restriction
- Donaghadee Primary School, Northfield Road, Donaghadee – school and zig zag markings
- Greyabbey to Ballywalter Road at Ballyatwood Road jct – SLOW and centreline marking
- Springvale Road,Ballywalter – 2 SLOW markings adjacent to Ballyatwood Road junction
- Hillhead Road, Comber – 2 SLOW markings adjacent to house 15
- Ballystockart Road, Comber – 2 SLOW markings adjacent to Adela Gardens estate
- Newtownards to Comber Dual Carriageway, adjacent to existing Newtownards 40mph gateway - 2 SLOW markings.

3.2 NETWORK DEVELOPMENT SCHEMES PROPOSED 18/19

TRAFFIC MANAGEMENT

TRAFFIC SIGNS to be provided

- Mount Stewart Road, Newtownards – 2 HORSE warning signs
- Cunningburn Road, Newtownards (11a) – chevron signage on yellow backing
- Lisbarnett Road, Lisbane at Ballybunden Road - 750 give way sign on yellow backing
- Ballysallagh Road, Bangor – Directional sign
- A2 Newtownards Road, Bangor – Available headroom at arch bridge sign on yellow backing
- A2 Bangor Road/Bangor Road Hollywood - 30mph on yellow back and 40mph sign
- Crawfordsburn Village—30mph and National speed limit sign
- Steel Dickson Park, Portaferry—2 Playground Signs
- Comber Bypass— Reduce Speed Now sign
- Loughdoo Road, Kircubbin—Give way ahead 175yds sign
- Ballyhaft Road, Loughries- 30mph gateway and repeater signs
- Belfast Road, Newtownards—40mph repeater signs
- Deerpark Road / Loughdoo Road junction, Kircubbin—existing direction sign raised

TRAFFIC SIGNS provided in 2018/19

- Hamilton Road Bangor- 3 directional arrows on grey backing
- Shore Road, Ballyhalbert – No footway for 625yds warning signage
- Ballyquintin Road, Portaferry – chevron sign on yellow backing
- Northfield Primary School, Donaghadee—2 school signs on yellow backing
- Portaferry Road, Newtownards— Bend right warning sign
- A20 Portaferry Road—Reflector posts installed
- A2 Portaferry Road, Cloughey—Reflector posts installed

We hope to continue our programme of replacing internally illuminated bollards with reflective bollards, as resources permit, thus helping to reduce energy costs

SECTION 4 NETWORK PLANNING & STREETLIGHTING

Network Planning Manager: Reynold Nicholson

Reynold is supported in Ards and North Down by the following staff :-



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4.1 Development Control

Planning Applications

In carrying out their planning functions Councils have a duty to consult a range of statutory bodies. DfI Roads on behalf of the Department for Infrastructure has entered into an agreement with each Council to provide views and advice on roads and transportation related issues.

DfI Roads in its consideration of planning applications, takes into account aspects of development which could prejudice traffic progression and safety in terms of junction capacity, access arrangements, parking standards and provision, road width, radii, gradients, drainage and sight lines. This consideration usually involves site visits and technical work. Compliance with transport policy and compatibility with road infrastructure is taken into account as well as any need for developer led improvements. Proposals are also checked for potential encroachment upon any future road lines. A detailed Transport Assessment may be required for larger developments where potential traffic impact may extend to road junctions some distance from the development site and where infrastructure improvements are deemed necessary as mitigation. For smaller developments a Transport Assessment Form is required to be completed by the applicant in order to ascertain the likely impact.

In the case of housing developments, the Private Streets (NI) Order 1980 is applied if a planning application includes streets which are to become public and maintainable by the Department. Development Control along with the associated Private Streets Section determines the area to be adopted, arranges for the calculation of the bond amount, supervises construction of the streets and, following satisfactory completion by the developer, completes the process for adoption into the public road network. Should the developer not complete the street, DfI Roads can take appropriate enforcement action under the Private Streets Order to ensure satisfactory completion of works funded by the bond.

Other Development Control work includes participating in pre-application discussions and planning meetings preparation of evidence and presentation of this at Planning Appeals. Assistance is given with enforcement cases associated with breaches of planning control. Input is provided for the use of planning case officers at Council Planning Committee

During the reporting period from 1 April 2017 to 31 March 2018 within the Ards and North Down Borough Council Area, our Development Control Team dealt with:

- **Planning Applications: 746**
- **Pre-Planning Enquiries: 12**
- **Planning Appeals: 2**

Of the above applications 48 were housing developments involving the Private Streets (NI) Order 1980.

Examples of major applications being dealt with include:

Housing Development, Little Enler, Comber

Housing Development, Rathgael Road, Bangor

Queens Parade Development

Housing Developments, Movilla Road, Donaghadee Road, Newtownards

Housing Developments, Brooklands, Newtownards

Cannyreagh Road, Housing

and other applications of significance were

Extension of Comber Greenway

Redevelopment of Priory Inn, Holywood

Development Old Donaghadee Town Hall

Licensing of Pavement Cafes Act (NI) 2014

Development Control also responds to the Council in respect of applications under the Licensing of Pavement Cafes Act (NI) 2014 and gives advice on various adhoc matters such as placing of planters and signage.

Roads (NI) Order 1993, Article 80

Article 80 applies to new vehicular accesses on to unclassified roads or agricultural accesses on to classified and unclassified roads. It covers proposals such as new driveway entrances and dropped kerbs and is used where planning permission is not required.

During the reporting period DfI Roads dealt with 45 Article 80 applications.

Development Control also provides evidence in respect of associated Article 84 appeals which are determined by the Planning Appeals Commission.

4.2 Private Streets

Enforcement

Private Streets Section endeavours to work with developers to ensure that streets are brought up to an adoptable standard without delay. If the developer does not complete the street works or ceases trading and house building and occupancy is sufficiently advanced, then Dfl Roads will take enforcement action and appoint its own contractor, recovering the costs of works from the

During the reporting period Dfl Roads completed and adopted street works within the following developments through such enforcement under the provisions of the Private Streets (NI) Order 1980:

- Lakeview, Newtownards
- Ardnavey Park, Newtownards
- Orchard Drive, Killinchy
- Cranfield Grange, Kircubbin
- Castlemeadows Cloughey
- Drumfad Bay, Millisle

It is anticipated that in the next 12 months enforcement action will be initiated in respect of:

- Orchard Drive Whiterocks
- The Stables Carrowdore
- Warren Villas, Donaghadee
- Ballybarnes Meadow, Newtownards

road bond under Article 13 and 15 of the Private Streets (NI) Order 1980. The Section also takes action against developers who fail in their responsibility to take out a bond.

Property Certificates

Private Streets Section coordinates the Dfl Roads response to Property Certificate Enquiries. A total of 8984 Property Certificate Enquiries were processed during the reporting period in Southern Division

4.3 Street Lighting

The total number of lights in Southern Division is approximately 82,000 of which approximately 26,000 (26%) are within the Ards and North Down Borough Council area.

Minor Works/Upgrading Schemes

Work has been completed or is nearing completion on the following schemes

Location	Town/Townland	No of Lights
Perry Park	Bangor	5
Newtownards Road Roundabout	Bangor	9
Robinson Road/Marlo Park	Bangor	37
Fruithill Park	Bangor	6
Wallace Street/Place	Newtownards	13
Steel Dickson Gardens	Portaferry	6
Carnesure Park	Comber	9

Upgrading of existing street lighting to LED Lanterns

In 2017/2018 Southern Division Street lighting upgraded 662 existing lanterns to new LED lanterns. The up-grade of these lanterns to LED will contribute towards the reduction in maintenance and energy bills.

Street Lighting Maintenance

Since April 2015, DfI Roads only repairs those defective street lights reported by the public or their representatives. In order to facilitate this process, reports of defective lights can now be made directly on line via the NIDirect website at the web address:

<https://www.nidirect.gov.uk/services/report-street-light-fault>

Reports made via this web page automatically generate a works order to the appropriate contractor to have the defect repaired.

Reports can also be made by telephone at 0300 200 7899.

Priority is given to emergency defects i.e. those defects posing a direct structural or electrical hazard, then to groups of lights out, groups of lights burning continuously and finally to individual lights out.

Proposed Upgrading Schemes 2018/19

Location	Town/Townland	Type of Scheme
Ann Street	Portaferry	Relighting
Beverly Road/Park	Newtownards	Relighting

Repair of faults to streetlights

Our response times are:-

Emergency, responded to an RTC within an hour and a half to site (1.5hrs) where a street lighting column has been damaged.

This is only to make safe and protect the public from danger to exposure of live cables or the column falling down.

Urgent, respond within twenty four hours (24hrs). This is to reinstate a knockdown of a column possibly at a critical junction.

Normal lamp maintenance within five days (5 days).

Where resources permit, external contractors are employed to assist our in-house engineers with maintenance.

It is not always possible to fulfil the 5 day response. This can be down to a combination of factors. The amount of outages on the system, cable faults on the cable network or staff shortages. We also try to ensure that at least 95% of street lights are recorded as working on the LMS at any time, subject to budget being available.

The LED retro fit programme is continuing across the division. The intention is to reduce energy and maintenance costs by replacing old Sox and Son Lanterns. These are expensive to maintain and the ability to replace parts is diminishing as the production of these parts are being run down. In the past year we have reduced our energy consumption by almost 1 giga watt.

4.4 Strangford Ferry

General Level of Service

In general the ferry service has operated smoothly during the period 1 April 2017 to 31 March 2018. Of a total of 22,176 scheduled sailings, 100 were cancelled because of weather and tide conditions. A further 11 sailings were cancelled due to mechanical breakdowns and staffing problems. This represents an overall reliability of 99.97%.

Disposal of MV Strangford and MV Rachlyn

MV Strangford has been disposed of by Mod Disposal Services Authority (DSA) and the vessel has now left Strangford Lough. The Department intend to dispose of MV Rachlyn during this financial year.

Revised Timetable

The Department is continuing investigations into extending working hours to enable the provision of an additional early morning weekday sailing from Portaferry.

