

June 2018

NORTHERN DIVISION

Annual Report 2017/2018 to Causeway Coast & Glens Borough Council



**A2 Seacoast Road Downhill
approaching Umbra Level Crossing**



Department for
Infrastructure
An Roinn Bonneagair



INVESTOR IN PEOPLE

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Foreword

The Mayor, Aldermen and Councillors Causeway Coast & Glens Borough Council

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

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

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

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

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

David Porter
Divisional Roads Manager

Northern Division

Causeway Coast & Glens Borough Council DfI Roads Report - June 2018

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



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

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

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Northern Division - Senior Management Structure



David Porter
Divisional Roads Manager



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



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

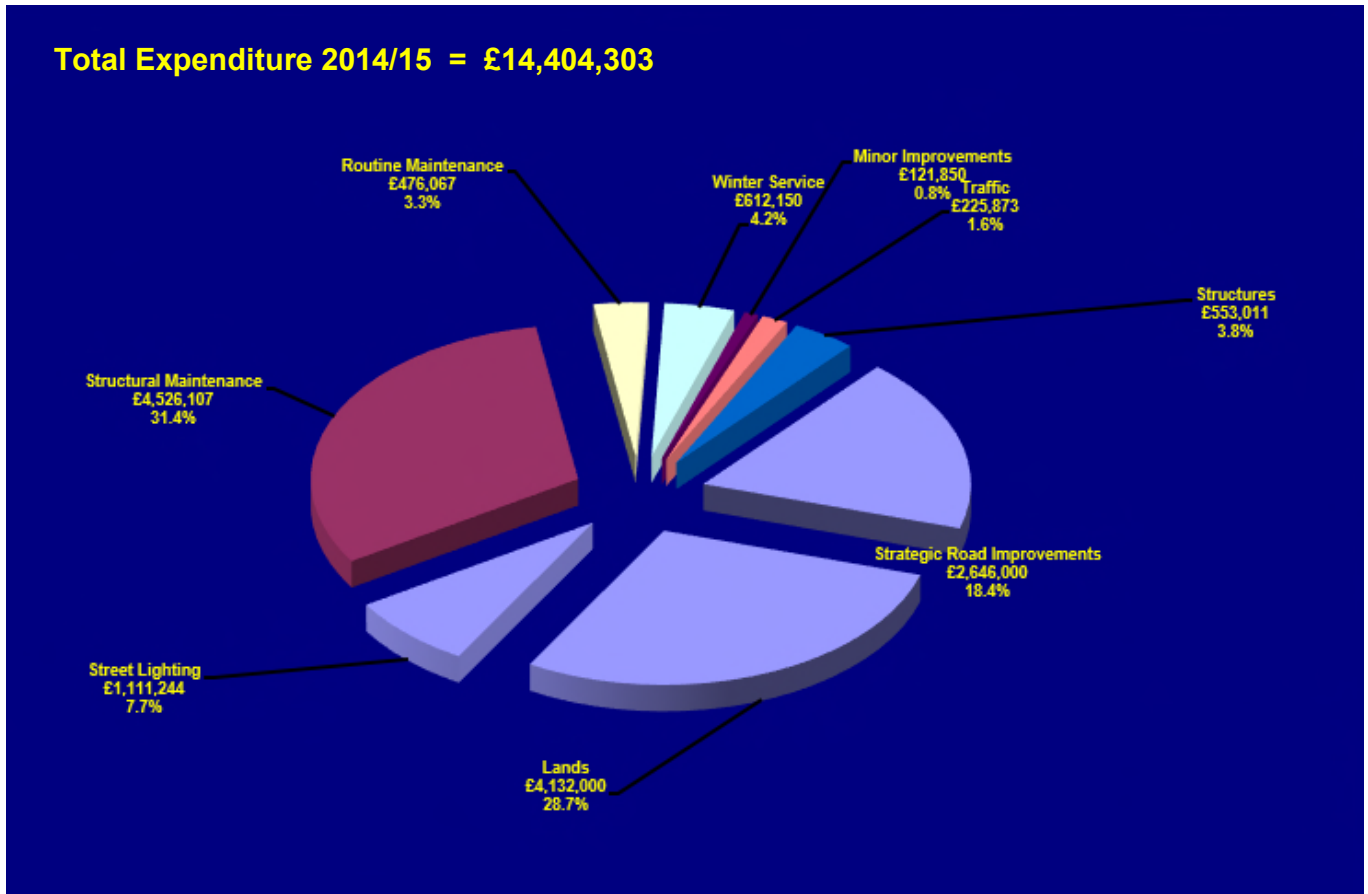


Alan Keys
Network Development Manager
Minor improvements; Traffic management; Street lighting capital & maintenance; Estimates and allocations for local transport & safety measures; On street parking and Park and Ride/Share parking.



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

Causeway Coast & Glens Council Area 2017/18 Expenditure Profile



Structural Maintenance - Resurfacing, Surface Dressing, Patching and Drainage

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

Winter Service - Gritting, Snow Clearance

Street Lighting - Lighting Provision, Maintenance and Energy

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

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

Strategic Road Improvements - Major Improvements to Key Transport Links

Lands - Acquisition of land for road schemes

SECTION 1

STRATEGIC ROAD IMPROVEMENTS

Senior staff



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1.1 A6 Londonderry to Dungiven

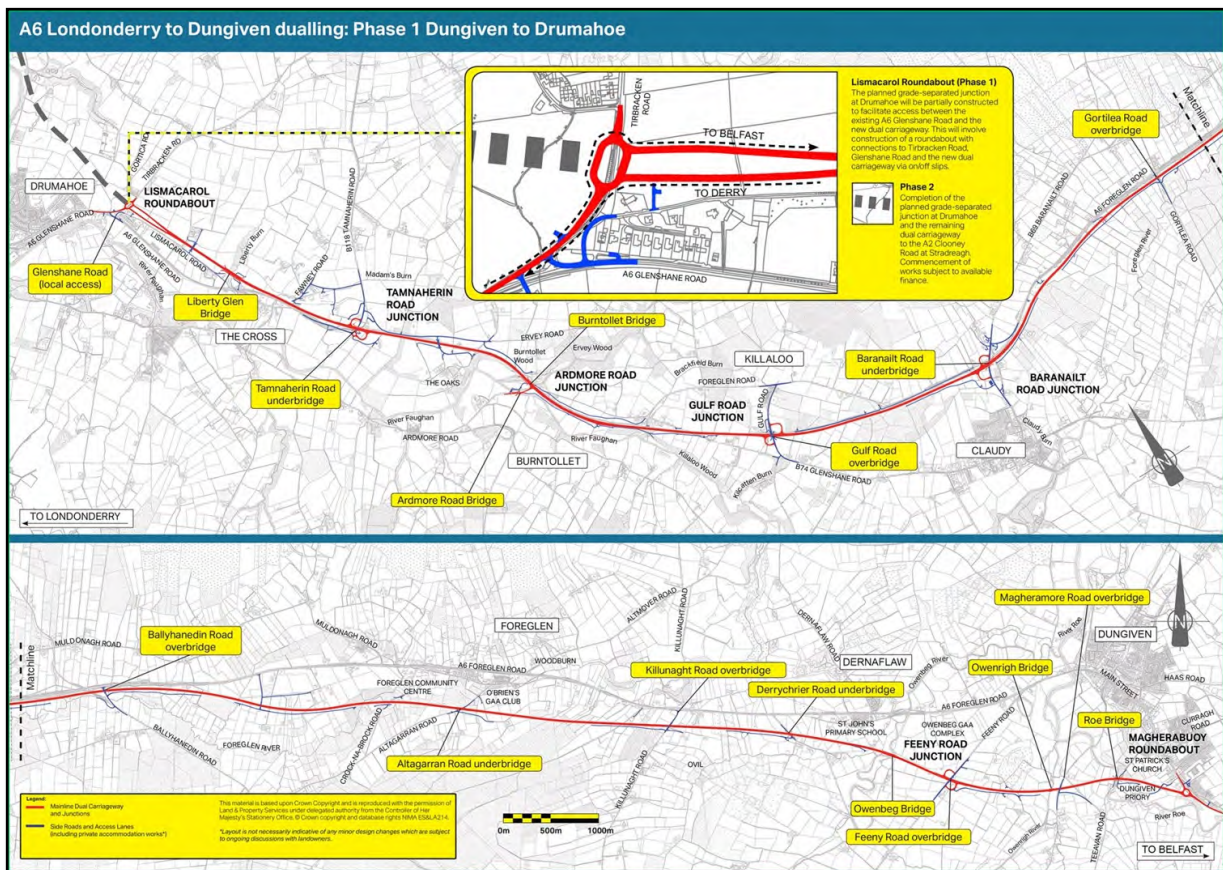
(Being dealt with by Colin Hutchinson)

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

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

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

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



Location and General Layout Plan

1.2 A6 Randalstown to Castledawson Dualling

(Being dealt with by Dawson Wray)

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

Part of the scheme was subject to a Judicial Review, with the High Court finding in favour of the Department and the Court of Appeal and Supreme Court upholding the original judgement.

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

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

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



Construction of Derrygowan bridge



Local material processing site east of Ballynafey Road

SECTION 2

NETWORK MAINTENANCE

Senior staff



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* West = The former council areas of Coleraine and Limavady

** East = The former council areas of Ballymoney and Moyle

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

Completed Resurfacing 2017/2018

Route No.	Road Name / Location	Length (m)
West	Asphalt resurfacing	
A26	Newbridge Road at Damhead, Coleraine.	1200
A37	Broad Road, Limavady (in conjunction with new roundabout).	1100
B68	Irish Green Street, Limavady (completion).	400
A29	Carhill Road, Garvagh (completion - as shown below left).	1930



U2248	Gortnaghey Village (as shown above right).	675
B192	Drumrane Road, Limavady.	900
C535	Gateside Road, Coleraine Cloyfin Road junction.	350
A2	Seacoast Road, Umbra.	2700

Completed Resurfacing 2017/2018 (cont.)

Route No.	Road Name / Location	Length (m)
West (cont)		
Asphalt resurfacing		
A371	Ballyclose Street, Limavady.	320
U3330	Circular Road, Coleraine.	265
U3508	Hazelbank Road, Coleraine.	280
U3543	Causeway Street, Portrush.	560
B64	Legavallon Road, Garvagh east of Belraugh Jn	950
B186	Cashel Road, Coleraine at Ringsend Church	400
B185	Cromore Road, Dundooan.	650
U3543	Mark Street, Portrush.	470
A3002	Portstewart Road, Portrush at Dhu Varren.	180
	64 smaller stretches Refurbished on 31 No. roads	22950
East		
A2	Cushendall Road, Ballycastle.	1640
A2	Mary Street, Ballycastle.	350
B16	Garryduff Road, Ballymoney (2 stretches).	1040
B16	Glenshesk Road, Ballycastle.	450
C84	Corkey Road, Loughguile.	380
U4120	Bridge Road. Dunloy.	145
B16	Garryduff Road, Ballymoney.	70
	Completed Resurfacing	46.30km
	at a cost of	£3,405,860

Completed Resurfacing 2017/2018 (cont.)

East (cont.)

Asphalt resurfacing

B15

Gracehill Road, Ballymoney (as shown below on the left).

775



U4128

Taughey Road, Balnamore (as shown above right).

1025

West

Bitmac resurfacing

U3340

Glenleary Road, Coleraine.

200

U3341

Coolyvenny Road, Coleraine.

780

East

Bitmac resurfacing

U4134

Drumahiskey Road, Ballymoney.

750

C89

Tullaghans Road, Dunloy.

30

C5526

Station Road, Armoy.

130

U5027

Whitepark Road, Ballycastle (2 stretches).

670

U5118

Gortconney Lane, Ballycastle.

130

U4076

Heagles Road Ballybogy (2 stretches).

225

U5084

Drumaroan Road, Ballycastle (2 stretches).

480

U5047

Cabragh Road, Bushmills.

120

U5526

New Street, Armoy.

200

Proposed Resurfacing 2018/2019

Route No.	Road Name / Location	Length (m)
West Asphalt Resurfacing		
A37	Broad Road, Limavady.	1975
A2	Clooney Road at Dunlade, Greysteel.	795
A37	Dunhill Road at Macosquin.	600
U3391	Dunderg Road, Coleraine (Dunhill to Rockland Park).	865
U3536	Central Avenue, Portstewart at the York Hotel.	115
U3304	Hopefield Road, Portrush.	250
U3543	Ramore Head), Portrush (Harbour Hill Lansdowne court).	220
U3410	Glen Road, Garvagh.	1200
B62	Ballybogy Road, Portrush Oldtown Road to Village.	2250
B201	Carthall Roundabout, Coleraine.	90
B66	Craigmore Road, Coleraine.	1500
B66	Bann Road, Aghadowey (Glasgort to the Bann Bridge).	380
C529	Drumsumn Village.	725
B202	Point Road, Limavady at Magilligan Prison.	1500
C529	Drumsumn Road, Limavady.	800
U2292	Dowland Road, Aghanloo.	475
U2253	Curragh Road, Dungiven.	570
B69	Barnailt Road, Limavady.	890
C521	Pollysbrae Road, Largy.	720
B64	Bann Road, Kilrea in association with other works	280
B64	Legavallon Road, Dungiven at Gortnacross.	816

Proposed Resurfacing 2018/2019 (cont.)

Route No.	Road Name / Location	Length (m)
East	Asphalt resurfacing (cont.)	
A26	Frosses Road, Ballymoney.	650
U4120	Bridge Road, Dunloy.	765
U4143	Gortahar Road, Rasharkin..	355
A44	Drones Road, Ballymoney.	3000
A44	Magheramore Road, Armoy.	640
A44	Magheramore Road, Ballycastle.	1000
U4502	Eastermeade Gardens, Ballymoney.	250
U5505	Cedar Avenue, Ballycastle.	300
U5505	Beechwood Avenue, Ballycastle.	200
B67	Benvardin Road, Derrykeighan.	545
West	Bitmac Resurfacing	
U3410	Glen Road, Garvagh.	1200
B202	Point Road, Magilligan.	1500
C532	Brighter Road, Limavady.	985
C525	Gelvin Road @ Drumneechy.	785
C530	Terrydoo Road, Drumsurn.	980
C534	Ringrash Road, Macosquin.	950
East	Bitmac Resurfacing	
C0087	Pahris Road, Loughgiel.	950
U4102	Culcrum Road, Cloughmills.	560
U4102	Culcrum Road, Cloughmills.	1000
Total Resurfacing proposed		33.875km
At a cost of		£4,587,000

Completed Footway Resurfacing 2017/2018

Route No.	Road Name / Location	Length (m)
West		
Asphalt		
U3506	Slieve Banna, Coleraine.	180
U3561	Freehall Park, Castlerock.	390
U3562	Rockmount Gardens, Articlave.	570
P2506	Lower Main Street, Limavady (Public Realm).	420
U3543	Mark Street, Portrush.	940
East		
Asphalt		
U4506	Kirkmoyle View, Ballymoney.	255
U5526	Deane Park, Armoy.	400
U4515	Cambourne Park, Ballymoney.	415
Footway Resurfacing Completed		3.57Km
At a cost of		£271,000

Proposed Footway Resurfacing 2018/2019

West		
Asphalt		
U2508	Scroggy Park, Limavady.	490
U2522	Meadowbank Place Greysteel.	180
U3562	Woodend Park Articlave.	604
U3526	Millburn Area, Coleraine.	250
U3527	Glebe Avenue, Harpurs Hill, Coleraine.	380
U3563	Ramsay Park, Macosquin.	690
U2515	Drumceatt Park, Limavady.	275
Total footway resurfacing proposed		2.9km
Estimated at		£230,000

Completed Surface Dressing 2017/2018

Route No.	Road Name / Location	Length (m)
West		
B119	Freehall Road.	1015
C91	Loughan Road.	3030
C96	Ballyhome Road.	1920
C545	Grove Road.	3500
C546	Boveedy Road.	2100
U3322	Knocknougher Road.	2545
U3323	Bratwell Road.	1640
U3324	Sconce Road.	2225
U3336	Ballinteer Road.	2715
U3337	Shinny Road.	1960
U3342	Camus Lane.	1625
U3371	Gortin Road.	1930
U3376	Drumsaragh Road.	3165
C521	Drum Road.	1215
C524	Birren Road.	4050
U2203	Dernaflaw Road.	1935
U3350	Shanlongford Road.	1600
U3351	Gorran Road.	3450
C544	Moneydig Road.	6555

Completed Surface Dressing 2017/2018 (cont.)

Route No.	Road Name / Location	Length (m)
West (cont.)		
U3368	Cullyrammer Road.	5675
A29	Drumcroon Road.	1510
U2248	Gortnaghey Road.	1635
U2252	Hass Road.	1640
U2261	Kilhoyle Road.	2080
East		
C59	Lisnahuncheon Road.	1190
C91	Vow Road.	2675
C92	Coleraine Road.	1350
C102	Bregagh Road.	1240
U4069	Livery Road.	980
U4124	Lislagan Road.	1525
U4134	Bendooragh Road (2 stretches).	2090
U4110	Lisboy Road.	2025
B15	Glenshesk Road.	3755
B147	Ballinlea Road.	2020
C100	Moycraig Road (2 stretches).	7875
U5028	Feigh Road.	1185
Total Surface Dressing Completed		89.65km
		at a cost of £558,000

Proposed Surface Dressing 2018/2019

Route No.	Road Name / Location	Length (m)
West		
C544	Moneydig Road.	4780
U3354	Mettican Road.	3770
U3357	Gortnamoyagh Road.	4070
U3359	Temple Road.	1490
U3376	Drumsaragh Road.	1915
U3053	Oldtown Road.	3035
C95	Ballyclogh Road.	4395
U3364	Drumeil Road.	2445
B188	Ballygawley Road.	1455
U4409	Lisnacrehog Road.	2635
U3380	Gortmacrane Road.	1620
C545	Kurin Road.	3545
C543	Moneycarrie Road.	2355
C536	Newmills Road.	820
U3310	Damhead Road.	1225
U3057	Kilmoyle Road.	1880
B190	Belraugh Road.	2480
B66	Craigmore Road.	995
C523	Banagher Road.	4750
U2275	Bishops Road.	4260
U2282	Tricreven Road.	1740
U2261	Kihoyle Road.	535
C524	Birren Road.	1800

Proposed Surface Dressing 2018/2019 (cont.)

Route No.	Road Name / Location	Length (m)
West (cont.)		
U2241	Newline Road.	2435
U2219	Sheskin Road.	1770
U2226	Loughermore Road.	1170
U2412	Nedd Road (2 stretches).	2240
C529	Drumsumn Road.	570
U2270	Edenmore Road.	1900
U2263	East Road.	1270
C528	Ballyleaghry Road.	680
C528	Terrydremont Road.	3115
B201	Windyhill Road.	520
U2270	Edenmore Road.	800
U2220	Vale Road.	1285
East		
B16	Garyduff Road.	760
C59	Lisnahuncheon Road.	2325
U4049	Newbuildings Lane.	795
U4070	Donaghys Road.	1190
U4074	Bush/Stroan Lane.	845
U4077	Tulloghgore Road.	1245
U4111	Loughabin Road.	2100
U4120	Ballinaloob Road.	915
U4124	Drumnaskea Road.	2455

Proposed Surface Dressing 2018/2019 (cont.)

Route No.	Road Name / Location	Length (m)
East (cont.)		
U4134	Bendooragh Road (2 stretches).	5075
U4135	Killans Road.	1550
U4140	Rosnashane Road.	1455
C82	Farranmacallion Road.	2420
C90	Torrhead Road.	780
C99	Toberdoney Road.	2950
U5029	Clougher Road.	1300
U5033	Isle Road.	870
U5046	Cozies Road (2 stretches).	2500
U5072	Cromaghs Road.	630
U5125	TV Mast Road.	850
Total Surface Dressing proposed		107.45km
at a cost of		£729,000

Completed Drainage Work 2017/2018

Route No.	Road Name / Location	Length (lin m),/No. of gullies and access chambers.
West		
B17	Priestland Road.	460m pipe and 18 gullies.
B207	Mullaghinch Road.	70m of piping.
B64	Edenbane Road.	90m pipe and 3 gullies.
U3364	Drumeil Road.	25m pipe and 4 gullies.
U3327	Gortycavan Road.	60m pipe and 2 gullies.
C543	Ringrash Road.	30m pipe and 1 gully.
C542	Lisamuck Road.	Culvert replacement including 2 gullies.
U3331	Cranagh Road.	Culvert replacement including 2 gullies.
	28 No. smaller drainage schemes at various locations	528m, 72 gullies, 3 culverts and 6 access chambers.
East		
C0082	Torr Road, Ballycastle.	59m of drainage pipe and 5 gullies.
U5505	Stroanshesk Road, Ballycastle.	25m of drainage pipe and 4 gullies.
C0093	Seacon Road, Ballymoney.	85m of drainage pipe and 3 gullies.
B0062	Finvoy Road, Ballymoney.	150m of drainage pipe and 6 gullies.
B0066	Castlecatt Road, Dervock.	2 gullies.
C0107	Drumavoley Road, Ballycastle.	18m of drainage pipe and 1 gully.
B0015	Glenshesk Road, Ballycastle.	6m of drainage pipe.
A5002	Main Street, Bushmills.	125m of drainage pipe and 17 gullies.
B0066	Castlecatt Road, Dervock.	8m of drainage pipe and 1 access chamber.

Completed Drainage Work 2017/2018 (cont.)

Route No.	Road Name / Location	Description
East		
B64	Bann Road, Rasharkin.	30m of drainage pipe and 3 gullies.
B147	Ballinlea Road, Ballintoy.	2 locations - 563m of drainage pipe and 23 gullies.
C89	Dirraw Road, Finvoy.	3 locations - 199m of drainage pipe and 15 gullies.
C94	Carncullagh Road, Stranocum.	30m of drainage pipe and 1 gully
U4065	Chatham Road, Armoy.	155m of drainage pipe and 6 gullies.
U4071	Mostragee Road, Stranocum.	10m of drainage pipe and 2 gullies.
U4119	Galdanagh Road, Dunloy.	79m of drainage pipe and 14 gullies.
A2	Tromra Road. Ballycastle.	1 gully.
B15	Whitepark Road, Ballycastle.	25m of drainage pipe and 2 gullies.
C81	Fivey Road, Stranocum.	394m of drainage pipe and 16 gullies.
U5079	Careymill Road, Ballycastle.	200m of drainage pipe and 12 gullies.
U4098	Tober Road, Ballymoney.	10m of drainage pipe and 1 gully.
C84	Coolkeeran Road, Armoy.	12m of drainage pipe.
U4065	Chatham Road, Armoy.	6m of drainage pipe.
A2	Loughareema Road, Ballycastle.	8m of drainage pipe.
U4143	Glenbuck Road, Dunloy.	1m of drainage pipe.
B66	Knock Road, Ballymoney.	68m of drainage pipe and 2 gullies.
C91	Balnamore Road, Ballymoney.	3m of drainage pipe and 1 access chamber.
C80	Layde Road, Cushendall.	219m of drainage pipe and 11 gullies.
U5525	Ossian Avenue, Waterfoot.	36m of drainage pipe and 2 gullies.

Structural drainage work completed at a cost of £185,850

Proposed Drainage Work 2018/2019

Route No.	Road Name / Location	Description
West		
U3345	Rusky Park, Aghadowey.	265m of pipe and 22 gullies
U3057	Kilmoyle Road, Ballybogy.	311m of pipe and 11 gullies
U3410	Glen Road, Garvagh.	225m of pipe and 12 gullies
U2281	Duncrun Road, Limavady.	76m pipe and 4 gullies
U2262	Drumaduff Road, Limavady.	220m of pipe and 9 gullies
B201	Dowland Road, Limavady.	220m of pipe and 8 gullies
	Various other locations (30 no.)	Localised drainage requirements
East		
B147	Kirk Road/Ballimlea Road, Stranocum.	90m of pipe and 8 gullies.
U4517	Cockpit Brae, Ballymoney.	15m of pipe and 2 gullies.
C92	Old Coleraine Road, Ballymoney.	15m of pipe.
B16	Kilraughts Road, Ballymoney.	25m of pipe and 2 gullies.
B92	Knocknacarry Road, Cushendun.	100m of pipe and 4 gullies.
C81	Altarichard Road, Magherahoney.	100m of pipe and 6 gullies.
U4098	Tober Road, Ballymoney.	200m of pipe and 12 gullies.
U4102	Culcrum Road, Cloughmills.	500m of drainage pipe and 20 gullies.
B66	Knock Road, Dervock.	20m of drainage pipe and 4 gullies.
C91	Charlotte Street, Ballymoney.	10m of drainage pipe and 1 gully.
U4134	Lisheegan Lane, Ballymoney.	8m of drainage pipe and 1 gully
B66	Knock Road, Dervock.	35m of drainage pipe and 3 gullies.
B62	Meetinghouse Street, Ballymoney.	12m of drainage pipe.
B62	Meetinghouse Street, Ballymoney.	5 gullies.
A26	Frosses Road, Ballymoney.	2m of drainage pipe and 1 gully.
B62	Ballybogy Road, Ballymoney.	45m of drainage pipe.
B146	Causeway Road, Bushmills.	240m of drainage pipe and 8 gullies.
C100	Moycraig Road, Mosside.	100m of drainage pipe and 6 gullies.

Drainage work proposed is estimated at £115,000

Completed Major Utility Works 2017/2018

Utility	Road Name	Scheme Details
West		
NIE	Portstewart Road, Dundooan Road, Ring Road Atlantic Road and Burn Road, Coleraine	Power cable and broadband connection from Loguestown Sub-station to Coleraine Enterprise zone.
NIE	Portrush Town Centre.	Burying of the existing overhead cabling.
Virgin Media	Limavady, Ballykelly and Greysteel.	Connecting 18,000 premises to new fttp broadband.
N I Water	Mullaghinch Road, Ballycastle.	2.5km of water main abandonment.
N I Water	Atlantic Road / Cromore Road, Portrush.	Construction of new sewer below the carriageway and railway.
East		
Firmus Energy	Main Street, High Street, Townhead Street, Church Street, Victoria Street, Linenhall Street and Charlotte Street, Ballymoney.	New Gas Main
Firmus Energy	Kilraughts Road urban, Greenville Avenue, Richmond Avenue and Place, Ballymoney.	New Gas Main
Firmus Energy	Gordonville Park, Ashlea Drive, Avenue and Plabe, Ballymoney.	New Gas Main
Firmus Energy	Woodvale Park and Bridge Street, Bushmills.	New Gas Main
N I Water	Carnbore Road, Bushmills.	New Watermain
N I Water	Glenshesk Road, Bushmills.	New Watermain
N I Water	Haw Road, Bushmills.	New Watermain
N I Water	Hillside Road, Armoy.	New Watermain
N I Water	Lisheegan Lane, Bendooragh Road, Shanaghy Road, Killins Road and Donnyshiel Road, Raskarkin.	New Watermain
N I Water	Main Street and Whitepark Road, Bushmills.	New Watermain
N I Water	Vow Road, Bann Road and Mullan Road, Ballymoney.	New Watermain

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

Winter Service 2017/2018

The aim of winter service is to ensure, as far as is 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.

Causeway Coast & Glens Depots grit 913km of roads during a scheduled action using 14 gritters and 58 staff on rota. Some of this gritting is carried out on routes outside of the Council area and some routes within the Council area are gritted by other depots with the aim to achieve optimum operational efficiency and complete a salting action in just over 3 hours, which is a difficult logistical exercise. During the last winter DfI Roads carried out 132 equivalent full salting actions during the 2017-18 Winter Season; the first action being on 7th November 2017 and the last on 4th April 2018. Approximately 16,460 tonnes of salt was used. This has been the busiest winter service season on record.

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

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

SECTION 3

NETWORK DEVELOPMENT

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3.1 Minor Improvements

Completed Minor Improvement Schemes 2017/2018

A37/C570 Broad Rd/Greystone Rd - Junction Improvement - £400,000

A scheme to provide a roundabout at this junction to address a significant collision history along with peak time queuing and delays at Greystone Road was substantially complete at the end of April 2017. The scheme also included resurfacing of the A37 Broad Road between the junctions of Drumsurn and Rathmore Roads.



C529 Drumsurn Road, Drumsurn -Stage 2 Footway - £36,000

This scheme extended the existing footway with the added benefit of improving sight visibility to the right for traffic emerging from Beech Road onto Drumsurn Road, as shown below.



Completed Minor Improvement Schemes (cont.) 2017/2018

A2 Aghanloo Road/U92 Freehall Road - Visibility Sight Line Improvement - £75,000

This scheme, shown below, provides sight visibility splays on either side of this crossroads junction to help improve safety for traffic emerging from the Freehall and Downland Roads on to the Aghanloo Road.



Proposed Minor Improvement Schemes 2018/2019

In addition Network Development Section currently has a very limited budget to carry out Minor Improvement schemes in 2018/19. However, the following schemes have been designed in detail and are ready to be taken forward to construction.

A54 Agivey Road, Kilrea - Realignment of the carriageway - £900,000

This scheme proposes to improve the vertical and horizontal alignment, widen the existing carriageway and provide verges along 600m of this road and improve forward sight distance.

A29 Atlantic Road - Cycle/footway - £60,000

This scheme will provide a 2.5m wide cycle/footway, 600m long from Magherabuoy Avenue to Carnalridge Primary School. This is the extension of the existing cycle/footway. Land acquisition was necessary for completion of the work.

C708 Somerset Road, Coleraine - Cycle/footway - £220,000

This scheme will provide a 2.5m wide cycle/footway, within the existing verge, 1 Km long from Castleroe Road to Greenmount Roundabout. It will provide a cycle link from this large residential area to the Bann cyclepath, as well as to Macosquin and also through the town centre to Articlave, Castlerock and Downhill. The upgrading of the street lighting is included within the cycle/footway scheme.

B70 Limavady Road, Garvagh - Footway Link - £36,000

This proposed 40m footway link will connect the existing footways at No 50 Lyttlesdale. It will require replacing a mature garden frontage and relocation of a masonry wall, 2 street lights and a mini-pillar.

A6 Foreglen Road, Dungiven - Cycle/Footway Stage 3 - £32,000

It is proposed to upgrade the remaining 300m section of existing footway opposite Owenbeg GAA facility to the standards applied on the previous stages. This will complete a missing link section of cycle/footway.

3.2 Traffic

Completed Traffic Schemes 2017/2018

Traffic Management Schemes

A29 Dunhill Rd /Greenhall Highway at Greenmount Roundabout

To improve road safety and driver behaviour the Coleraine bound exit radius on to the A29 Dunhill Road, has been altered along with the upgrade of directional signs and provision of additional lane markings.



A6 Glenshane Road, Dungiven.

No Overtaking double white line markings have been provided on the A6 Glenshane Road in the vicinity of the Ponderosa.

B74 Feeny Road

Junction warning signs along with hazard warning line have been introduced along the B74 Feeny Road, Dungiven.

Traffic Calming Schemes

Safer Routes To School

Safer Routes to Schools upgrades to the existing school warning signs and /or red coloured surfacing road markings have been carried out at the flowing schools. These measures form part of initiatives aimed at introducing enhanced traffic management and speed management measures at schools.

- Coleraine College - Carthall Road, Coleraine.
- Loreto College - Castlerock Road, Coleraine.
- Lislagan Primary School, Ballymoney.
- St. Patrick's PS, Shelton Park, Loughguile.

Completed Traffic Schemes 2017/2018 (cont.)

Transportation - Pedestrian Measures

Upgrade of Zebra Crossings

- Bushmills Road, Coleraine.
- Main Street, Bushmills.

The zebra crossings at Bushmills Road, Coleraine and Main Street, Bushmills have been upgraded to LED High intensity units. (Internally illuminated black and white poles, flashing belisha beacons, and lanterns)

Minor Traffic Management Measures

Disabled Parking Bay Queen Street and Eastermeade Park, Ballymoney

New disabled parking bays at Queen Street (Mathewson Chemists) and at Estermeade Park have been introduced.

Causeway Road

'No Waiting at any time' double yellow lines restrictions on Causeway Road from The Aird village to the existing double yellow lines near the entrance to Visitors Centre car park have been introduced.

Main Street Bushmills

A 'Loading' bay at the Co-op supermarket has been introduced along with a change in the waiting restrictions on Main Street from '1 hour with no return within 1 hour' to '2 hours with no return within 2 hours'.

Duncrun Road, Limavady

A 'SLOW' road marking has been introduced on a bend on the approach to a number of houses on Duncrun Road.

Level Crossing Inspections

Along with Translink and the PSNI a safety audit has been carried out on all level crossings within the Causeway Coast and Glens area.

Mullaghinch / Cullyrammer

A replacement weight limit sign, direction sign and chevron sign have been provided.

Model Primary School—Waiting Restrictions

The legislation process has been completed for the waiting restrictions on North Road, Ballymoney.

Carnduff Park, Ballycastle — No through Road

A new 'No through road' sign has been introduced at the entrance to Carnduff Park.

Completed Traffic Schemes 2017/2018 (cont.)

Minor Traffic Management Measures (cont.)

Millburn, Coleraine.

A new directional sign has been introduced on the Millburn Road and the Bushmills Road for Millburn, the Primary School and the Crown Buildings'.

Garryduff Road junction with Burnquarter Road, Ballymoney.

To enhance the warning of this junction, advanced signage with a yellow backing board and road markings have recently been provided on Burnquarter Road. The junction warning signage on Garryduff Road has also been upgraded.

Cushendall Road, Ballyvoy.

An advisory 40mph speed limit was introduced at a bend on Cushendall Road.

150 Killraughts Road, Ballymoney.

An advisory 40mph speed limit has been introduced on the Killraughts Road.

Station Road, Dunloy.

Hidden dip signs along the Station Road have been introduced.

Bellaghy Road, Dunloy.

Hidden dip signs along the Bellaghy Road have been introduced.

Princess Gardens and Springhill Manor, Cloghmills.

Double yellow lines corner restrictions have been introduced to Princess Gardens and Springhill Manor, Cloghmills.

Drumsumn Road, Limavady.

A number of additional junction warning signs have been introduced along the Drumsumn Road.

Largy Bridge, Drumrane Road, Limavady

Warning signage and 'SLOW' road markings have been introduced on the approach to the bridge.

Beresford Avenue, Coleraine.

'No waiting at any time' double yellow lines and a small section of 'working day restriction' Monday to Friday 8am to 6pm have been introduced along Beresford Avenue.

Fincarn Cross Roads, Feeny.

The Glenedra Road junction with the Altinure Road has been enhanced by replacing the existing 'Give Way' signs by the use of yellow backing boards. 'SLOW' road markings, bend warning signs along with advanced rumble strips have also been introduced.

Completed Traffic Schemes 2017/2018 (cont.)

Minor Traffic Management Measures (cont.)

Windyhill Road / Dunboe Road / Isle Road, Coleraine.

To enhance the warning of this junction, advanced signage with yellow backing boards and road markings have recently been provided on both Dunboe Road and Isle Road approaches. It is also proposed to provide additional signage on the Windyhill Road in advance of the crossroads.

Hillmans Way Industrial Estate, Coleraine.

DfI Roads was approached by a number of businesses from the Ballycastle Road Industrial Estate and asked to consider extending the existing Prohibition of Waiting Restrictions to restrict parking on Hillmans Way. These restrictions have now been introduced.

Ramore Avenue, Portrush.

Additional bollards have been provided at the junction of Ramore Avenue with Causeway View Lane.

Bregagh Road - Dark Hedges, Stranocum.

A traffic prohibition order on Bregagh Road has been introduced along with warning and 'Pedestrians on Road' signs. A coach prohibition has also been introduced on the Chatham and Doagh Brae Roads.

Knocksaughey Lane, Ballintoy

Due to the popularity of the play park and the increase in parking waiting restrictions have been introduced along the Knocksaughey Lane.

Meetinghouse Street, Ballymoney.

A new warning sign has been erected on Meetinghouse Street to warn drivers of the pedestrian crossing on Queens Street.

Seacoast Road, Bellarena

A new 40mph speed limit has been introduced along the Seacoast Road at Bellarena.

Strand Road, Portstewart at Beach Entrance.

'No Waiting at any time' double yellow lines restrictions have been introduced on the Strand Road to the beach entrance.

Traffic Control Permits

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

Completed Traffic Schemes 2017/2018 (cont.)

Transportation - Pedestrian Measures

Glenkeen Road (Diamond Garage), Aghadowey.

Construction is complete on a footway link from the shop /post office to the existing footway at the housing on the Glenkeen Road. (Shown below.)



Dundarave Road, Bushmills - Provision of Dropped Kerbs.

To enhance pedestrian and disabled access dropped kerbs have been provided at a number of locations within the Dundarave area of Bushmills.

Leyland Road Roundabout, Ballycastle - Upgrade of Crossing Facilities.

Pedestrian crossing facilities at the mini-roundabout on the Leyland Road have been upgraded. The scheme involved an upgrade to signage and lining along with the realignment of the tactile paving with the dropped kerbs on all 4 approaches. The junction was also de-cluttered with the removal of the old pedestrian guard rail.

Castlerock Road, Coleraine - Pedestrian Refuge.

In addition to the Safer Routes to School signage and road markings, a pedestrian refuge island was provided on the Castlerock Road. This island will assist pedestrians to cross the road and also act as a traffic calming feature. (Shown below.)



Proposed Traffic Schemes 2018/2019

Traffic Management Schemes

Railway Place, Coleraine.

Traffic Section are continuing to assess the parking arrangements at the railway and bus station along with the pedestrian and traffic movement in and around Railway Place.

Mountsandel Road, Coleraine.

To assist traffic progression in the peak hours it is proposed to extend the waiting restrictions along the Mounsandel Road.

Strand Road, Coleraine.

To assist traffic progression in the peak hours it is proposed to introduce working day restrictions along the Strand Road on the approach to the Waterside Gyratory.

Dunluce Avenue, Portrush.

Traffic Section is in the process of altering the seasonal working day restrictions on Dunluce Avenue to limited waiting all year.

Limavady Visitor Information and Arts Centre - Directional Signage.

Traffic Section has carried out a review of the existing directional signage to the Limavady Visitor Information and Arts Centre. This information with costing has been forwarded to the centre for consideration.

Seacoast Road, Limavady.

It is proposed to upgrade a number of chevron signs along the Seacoast Road.

Clooney Road, Greysteel.

It is proposed to extend the length of the 40mph speed limit along the Clooney Road at Greysteel with additional pedestrian safety measures.

Tourism Issues.

DfI Roads is engaged with Causeway Coast and Glens Council and PSNI in the Causeway Coastal Route Visitor Management and Infrastructure Forum chaired by Tourism NI.

Disabled Parking Applications.

Assessments are currently being carried out on a number of applications for 'accessible parking bays' within the Causeway Coast and Glens Council area.

Directional Signage.

It is proposed to renew a number of the faded directional signs within the Causeway Coast and Glens Council area.

Traffic Signals at A2 Main Street / Glenhead Road /Dukes Lane, Ballykelly

It is proposed to upgrade the Traffic Signals at the above junction to a MOVA system. Microprocessor Optimised Vehicle Actuation (MOVA) is a product developed to overcome some of the problems associated with congestion at traffic signals.

MOVA assesses which approaches are overloaded and how efficiently the green is being used and seeks to determine a set of signal timings which will maximise the throughput of the junction under the current conditions.

Proposed Traffic Schemes 2018/2019 (cont.)

Traffic Calming Schemes

Lansdowne Road, Portrush.

Subject to finance and legislative approval, traffic section are in the process of designing a scheme to extend the existing traffic calming in the vicinity of the Lansdowne area.

Dundarave Road, Bushmills.

Subject to finance and legislative approval traffic section are in the process of designing a traffic calming scheme in Dundarave.

Safer Routes To School.

Safer Routes to Schools assessments have been carried out on routes in the vicinity of all Primary schools within the Causeway Coast and Glens Borough Council area. The assessments will consider the need for the provision of upgrades to the existing school warning signs including red coloured surfacing. These measures form part of initiatives aimed at introducing enhanced traffic management and speed management measures at schools. The Safer Routes to Schools Initiative also encourages alternative modes of travel for the school journey such as walking, cycling, and bus use. Subject to the availability of finance some schools may receive upgraded signage with enhancement by the introduction of red surfacing and School markings.

Part time 20mph Speed Limit at Schools

- Carrowreagh Primary School
- Culcrow Primary School

Subject to legislative approval traffic section are in the process of implementing part time 20mph speed limits at Carrowreagh Primary School on the Finvoy Road, Ballymoney and at Culcrow Primary School, Curragh Road, Coleraine.

Transportation - Pedestrian Measures

Upgrade of Zebra Crossings

Subject to finance it is proposed to upgrade the following zebra crossings to LED High intensity units. (internally illuminated black and white poles, flashing belisha beacons, and lanterns)

- Castle Street, Ballycastle.
- Bridge Street, Kilrea.
- Maghera Street, Kilrea.

Brook Street / KingsGate Street, Coleraine.

It is proposed to upgrade the existing Pelican Crossing to a Puffin Crossing.

Puffin crossings make crossing the road easier and safer. They have the Red/ Green Man signals on the same side of the road as you are waiting to cross, allowing you to watch these signals and traffic at the same time. Puffin crossings also have a sensor that see you at the crossing and controls the signals making sure you have enough time to cross the road safely.

Eglinton Street, Kerr Street and Dunluce Avenue, Portrush.

As part of the EI Scheme it is proposed to replace the existing pelican crossings with puffin upgrades at the junction of Eglinton Street, Kerr Street and also Dunluce Avenue.

Proposed Traffic Schemes 2018/2019 (cont.)

Transportation - Pedestrian Measures (cont.)

Causeway Street, Portrush.

It is proposed to provide a new Puffin Crossing in the vicinity of the Methodist Church.

Dropped Kerbs Schemes

To enhance pedestrian and disabled access it is proposed to provided at a number of dropped kerb schemes within the Causeway Coast and Glens Council area.

Initially it is proposed to carry schemes at:-

- Mill Road, St John's Close and Carrickbeg Avenue, Portstewart
- Drumachose Park, Limavady

Subject to finance further dropped kerb schemes could be provided within the Causeway Coast and Glens Borough.

The Open 2019 - Portrush

A Transport Plan is being developed by the event organisers for the duration of the event to ensure that those attending the event can do so with the minimum of fuss, without adversely affecting the travel requirements of the local population and non-event traffic in the area. To this end public transport is being promoted as the preferred option for attending the event and a number of Park & Ride sites will be operating during the event to deal with the numbers expected to travel by private vehicles. Some parking and access restriction will be in place around the course to ensure access is maintained for local residents, public transport and emergency services. Northern Division Staff are working closely with the event organisers and other stakeholders to ensure the 2019 Open is a success.

3.3 Street Lighting

Street Lighting Schemes 2017/2018

The total number of lights in the council area is now 25455.

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

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

Completed Schemes

Area	Location	No. of lights working	Scheme Type
Limavady	Lower Main Street	19	Upgrade
Limavady	Terrydoo	4	Upgrade
Limavady	Seacoast Road, Drumavalley	7	Upgrade
Dungiven	Rannyglas, Phase 3	16	Upgrade
Portrush	Mark Street	13	Upgrade
Coleraine	The Boulevard	3	Upgrade
Portstewart	Seaview, Phase 2	19	Upgrade
Ballycastle	Mary Street	12	Upgrade
Ballykelly	Ballykelly Underpass	13	Lantern Upgrade
Rasharkin	Glebe Park/Road	10	Upgrade
Coleraine	Cairn Road	13	Upgrade
Portstewart	Mullaghacall Road/Crescent	38	Upgrade
Portstewart	Vale Road/Glen Crescent	31	Upgrade
Knocknacarry	Glenview Park	5	Upgrade
Limavady	Limavady Bypass	183	Lantern Upgrade
Portrush/ Portstewart	Ballyreagh Road	114	Lantern Upgrade
Portrush	Crocknamack Road	27	Lantern Upgrade
Portrush	Eglinton Street/Sandhill Drive	19	Lantern Upgrade

Total number of lights working 546

Proposed Street Lighting Schemes for 2018/2019

Area	Location	Scheme Type
Limavady	Drumceatt Park/Coolessan Walk	Upgrade
Limavady	Drumachose Park, Phase 1	Upgrade
Limavady	East Road, Ballyquin	Upgrade
Articlave	Woodend Park	Upgrade
Coleraine	Strand Road	Upgrade
Coleraine	Loughan Hill Industrial Estate	Upgrade
Portstewart	Strandview Avenue, Phase 3	Upgrade
Ballymoney	Queen Street	Upgrade
Ballymoney	A26 Frosses Road (Ballymoney Bypass)	Upgrade
Portballintrae	Ballaghmore Road, Phase 2	Upgrade
Ballycastle	Market Street/Ramoan Road	Upgrade
Portrush	Bushmills Road	Lantern Upgrade
Portrush	Portstewart Road	Lantern Upgrade
Limavady	Ballyquin Road	Lantern Upgrade
Limavady	Greystone Road	Lantern Upgrade
Articlave	Rockmount Gardens/Ardina Road	Lantern Upgrade
Ballybogey	Ballybogey Road	Lantern Upgrade
Dungiven	Ballyquin Road	Lantern Upgrade

Should further resources become available the following is a list of schemes proposed for up-grading/new provision.

Area	Location	Scheme Type
Coleraine	Inglewood Drive Phase 2	Upgrade
Portstewart	Seafield Park Phase 3	Upgrade
Limavady	Drumachose Park Phase 2	Upgrade

SECTION 4

NETWORK PLANNING

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4.1 Development Control

Planning Applications 2017/2018

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

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

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

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

Planning Applications	1914
Pre-Planning Enquiries	53
Planning Applications involving Private Streets Order	16

Adoptions

The Department adopted 1104m of carriageway and 460m of footway. Developments adopted by DfI Roads during this period are listed below:-

Development	Carriageway (m)	Footway (m)	Date
Old Coach Road, Portstewart		25	18/07/2017
Temple Park, Castlerock		60	14/08/2017
Salmon Leap, Coleraine	290	105	23/08/2017
Station Cottages, Dervock	144	125	15/09/2017
Sunset Park, Portstewart	135		20/10/2017
Ard-Na-Smoll, Dungiven	173	42	06/12/2017
Plantation View, Limavady	84		18/01/2018
Whitehall Grange, Ballycastle	128	71	08/02/2018
Atlantic Circle, Portstewart		32	15/02/2018
Mill Farm, Mosside	150		12/03/2018

4.2 Maintenance of Structures

Completed Maintenance of Structures 2017/2018

The Structures Section manages the 1,327 bridges and culverts with a span of 1.8m and greater within the Division, there are 684 of these structures in the Causeway Coast & Glens area. Smaller structures are managed by the local Section Office.

Route No.	Name	Description	Cost
A29	Two Bridges	Repair of damaged parapet and erection of a Vehicle Restraint System to meet current standards.	£34,100
C529	Drumgavenny Bridge	Installation of road drainage and construction of new bridge parapets (pictured below).	£31,500



A2	Ballycastle Bridge	Demolition and rebuilding of the upstream parapet to meet current standards.	£25,700
U77	Greenan Bridge	Removal of debris, repair of the undermined apron and wingwall. Installation of new bridge parapets.	£20,000
A2	Bonamargy Bridge	Repair of the scoured inverts and damaged parapets.	£34,000
U204	Derrychrier Bridge	Removal of vegetation and rebuilding of damaged sections of the parapets.	£11,800
A2	Aghanloo	Demolition and rebuilding of the parapets.	£8,700

Completed Maintenance of Structures 2017/2018 (cont.)

Route No.	Name	Description	Cost
B201	Castle	Installation of gabion walling and renomattress to prevent erosion of the river bank and undermining of the bridge abutments.	£7,500
A44	Culbane 2	Repair of the displaced parapet.	£5,000
B17	Ballinlea	Demolition and rebuilding of the parapets	£5,000
C107	Drumavoley	Removal of a tree and vegetation. Rebuilding of the distorted parapet and repair of a hole in the invert.	£3,300
C539	Derrydorrhagh	Repair of the damaged parapet.	£3,800
A2	McCandless	Repair of invert scouring and sealing of the arch.	£1,500
U230	Glack	Removal of vegetation, re-pointing, repair of the inverts and aprons.	£2,400
C82	Dunmakelther	Repair of the undermined invert and scoured apron.	£1,000
U360	Tirkeeran	Repair of the bridge parapet.	£1,900
U440	Crabarkey Footbridge	Repair of the handrails and infill panels.	£900
U369	Bellury 1	Repair of the bridge parapets.	£600
U116	Glassaneeran	Removal of vegetation, re-pointing and rebuilding a section of the parapet.	£1,300
Market Street, Limavady	Market Street Arch	Removal of the arch and repair of the adjacent walls.	£750
U156	Rosedermot 1	Repair of the damaged coping and re-pointing of the parapets and cutwaters.	£1,600
B201	Glenburn	Repairing of the scoured invert and damaged parapets.	£1,000

Completed Maintenance of Structures work at a cost of £203,350

Proposed Maintenance of Structures 2018/2019

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

Route No.	Name	Description	Estimate
B66	Agivey Bridge	Re-waterproofing of the bridge deck and resurfacing of the carriageway. Renewal of the bridge joints and install an inspection platform.	£150,000
U347	Ballywillin	Replacing of the bridge joints.	£5,000
C524	Calhame	Raise the parapet and install a Vehicle Restraint System.	£30,000
B14	Parkmore	Rebuilding of the parapets to meet current standards.	£10,000
C79	Greenaghan	Repair of the parapets and wingwalls.	£3,000
A26	Killoogue	Removal of vegetation and re-pointing and repair of the parapets.	£3,000
A2	Ballyvoy	Removal of vegetation and re-pointing and repair of the parapets.	£3,000
U53	Old Town	Construction of new bridge parapets.	£6,000

Proposed Maintenance of Structures work estimated at £210,000

Proposed Road Restraint System Upgrade Work 2018/2019

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

Route No.	Name	Description	Estimate
B17	Straid Road	Upgrade of Vehicle Restraint System to meet current policy and specification.	£60,000
B15	Glenshesk Road	Upgrade Vehicle Restraint System to meet current policy and specification.	£30,000
B14	Ballyemon Road	Upgrade Vehicle Restraint System to meet current policy and specification.	£10,000
C99	Carnbore Road	Upgrade Vehicle Restraint System to meet current policy and specification.	£30,000

Road Restraint System Upgrade work proposed estimated at £130,000

