

SOUTHERN DIVISION

Annual Report Spring 2016 to Armagh City, Banbridge & Craigavon Borough Council



Ballynagalliagh Bridge Replacement Tassagh, Armagh

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Chairperson and Councillors Armagh City, Banbridge & Craigavon Borough Council

I have pleasure in submitting my second Annual Report on TransportNI work in the Armagh City, Banbridge & Craigavon Borough Council area.

Southern Division covers the three Council areas shown on page 4 of this report. It is one of four Divisions, each of which manages the road network, commissions new works, and is the contact point for road users and public representatives.

This report deals with works completed in the Armagh City, Banbridge & Craigavon Borough Council area during the year 2015/2016 and sets out our initial proposals for schemes to be undertaken in the year 2016/2017.

There are pressures on both capital and resource funding going into 2016-17. On the capital side, my staff will continue to develop resurfacing and traffic management schemes to enhance safety, to improve traffic flow and provide measures for pedestrians and cyclists. The Department will also continue to bid in monitoring rounds for further capital funding for structural maintenance to maintain the integrity of the road network.

On the resource side, we start the year only being able to deliver a limited routine maintenance service. However, if in-year bids in monitoring rounds are successful funding will immediately be used to normalise the service.

On 9 May this year TransportNI became part of the new Department for Infrastructure. Whilst this is a significant change it should have no direct impact on the service provided by TransportNI.

However, over the last year TransportNI has undergone significant change as a result of the Northern Ireland Civil Service Voluntary Exit Scheme. As I highlighted at our meeting last year this has resulted in significant staff reductions across the Division and has required us to restructure our staffing levels across all areas of work.

With reduced staff we will be concentrating our efforts on delivering the highest priority work on the ground, within our allocated budgets. We remain committed to delivery of improvements to the network and councillors should be aware that this will be at the expense of assessing and reassessing requests for proposals which have limited prospect of delivery. To ensure continuity of service we are streamlining our processes for assessing requests to ensure best value for public money and the optimal use of our physical and financial resources.

I hope that you find this report informative. TransportNI values constructive comment on all its activities, and I, along with John Hall and Ian Campbell (Section Engineers) look forward to meeting the Council.

**Simon Richardson
Divisional Manager**

Southern Division - Senior Management Structure



Simon Richardson
Divisional Manager

TransportNI 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.



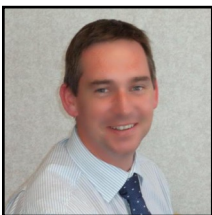
Eoghan Daly
Strategic Road Improvements (SRI) Manager

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

Regulation of new additions to the Network

Southern Division

Southern Division is one of four Client Divisions within TransportNI. 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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SECTION 1

STRATEGIC ROAD IMPROVEMENTS

Strategic Road Improvements Managers: Eoghan Daly

He is supported by the following staff



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1.1 A99 Extension To Millennium Way, Lurgan

The scheme involves the construction of 430 metres of new road between Malcolm Road and Gilford Road and upgrading of the existing junctions of Millennium Way with Malcolm Road and Gilford Road/Banbridge Road.

The new road, which also accommodates cyclists and pedestrians, will reduce congestion within the area and traffic flows through the local residential areas.

Progress

The construction contract has now been awarded and construction of the new road will commence on 23 May. It is expected that the works will be completed in November 2016.

Advance works including site clearance, demolition of buildings along Malcolm Road and utility alterations have already been carried out.

Unfortunately, disruption is likely with any project of this nature. TransportNI staff will be working closely with the contractor to minimise any inconvenience to the public and local businesses.

1.2 A1 Junctions Phase 2

A1 Junctions Phase 2

This proposal, which is estimated to cost in the range £40-£50million, involves the construction of four grade separated junctions to facilitate the closing up of all openings in the central median and installation of a continuous central safety barrier between Hillsborough Roundabout and Loughbrickland improving road safety for all road users on the A1.

In addition, the proposal includes the provision of a northbound on-slip at Castlewellan Road at Banbridge a link between the existing underpass junction at Hillsborough Road, Dromore and Milebush Road and the closing of some minor road junctions along this section of the A1.

Progress

TransportNI officials met with directly impacted landowners in September/October 2015 prior to a leaflet drop confirming the Preferred Option to all properties along the affected stretch of the A1.

- Listullycurran Road – Blue Option
- Gowdystown Road – Green Option
- Skeltons Road/Drumneath Road – Purple Option
- Waringsford Road – Brown Option

Further information on the preferred option is available at www.infrastructure-ni.gov.uk/articles/a1-junctions-phase-2-overview

A significant amount of development work has already been progressed however, much remains to be done. The current phase of this work involves the completion of the design and preparing an Environmental Statement in preparation for taking the proposal through the statutory procedures, which will likely include a Public Inquiry.

1.2 A1 Junctions Phase 2 (cont)

Progress

A strategy is being developed to implement incremental improvements in advance of the full proposal. This involves erecting sections of central median safety barrier and where possible, closing up existing median gaps which facilitate right turn manoeuvres.

The first such improvement involves the closure of the median at Hillsborough to prevent the right turn movement for southbound traffic into Moira Road and the erection of a central safety barrier in the locality subject to the availability of funding and satisfactory progression through the statutory procedures.

Progression to construction remains subject to the proposal clearing the statutory procedures, having a satisfactory economic appraisal and, given other competing priorities, is dependent on funding being made available in future budget settlements.

1.3 A28 Armagh East Link

Following a Public Information event held in June 2014 the Preferred Corridor for the proposal was reviewed.

The review included consideration of the preferred corridor emerging further out the A28 Markethill Road at the Edenaveys Industrial Estate and has identified viable alternative options which are now subject to a stage 2 assessment before a preferred option can be confirmed. It is anticipated that this assessment will be completed in Autumn 2016.

Delivery of the scheme remains subject to clearing the statutory procedures, having a satisfactory economic appraisal and the availability of funding in future budget settlements.

1.4 A3 Armagh North & West Link

Consideration of options for a preferred line and junction strategy based on the 'out of town' corridor linking the A3 Portadown Road to the A3 Monaghan Road is continuing.

It would not be appropriate to make a decision on the preferred route at this time, pending confirmation of proposals for the Mullinure shared education campus highlighted in the draft Armagh City Centre Masterplan 2030.

Delivery of the scheme remains subject to clearing the statutory procedures, having satisfactory an economic appraisal and the availability of funding in future budget settlements.

1.5 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.

Strengthening Schemes Completed 2015/2016

Ballynagalliagh Bridge (Mill Race), Tassagh, Armagh.
Bridge replacement

Bridge Nos. 40741 & 40742



New Bridge following construction

Other structures strengthened during the period -

Bridge No	Name
41286	Annvale Road Bridge, Corkley
40903	Seagoe A3 Flyover Bridge, Portadown
40904	Kernan A3 Flyover Bridge, Portadown
41465	Derryloughhill Bridge, Corbet, Rathfriland
41001	Rathfriland Road Bridge, Finnis
41078	Tassagh Lower Bridge, Keady
41594	Lurgan Road Bridge, Dromore
40911	A3 Northway NIR Bridge, Portadown
41301	Islandmoyle Road Bridge, Ballymoney, Castlewellan

Structures Strengthening work completed within Armagh City, Banbridge and Craigavon Borough Council in 2015/16 totalled approximately £300K.

The Structures Section manages the 1,277 bridges and culverts with a span of 1.8m and greater within the Division of which there are 632 of these structures in the Armagh City, Banbridge & Craigavon Borough Council Area. Smaller structures are managed by the local TNI Section Offices.

Structures Strengthening Schemes Proposed 2016/2017

Bridge No.	Name
41061	Foley Road Bridge , Armagh
40421	Metal Bridge , Mountnorris
41618	Shanrod Bridge , Katesbridge
41609	Aughnaskeagh Road Bridge , Waringsford
41800	Friary Road Bridge , Armagh (Assessment initially)
41320	Coytynan Road Bridge , Tynan

Structures Strengthening schemes planned within Armagh City, Banbridge and Craigavon Borough Council in 2016/17, approx. value = £400K

All other bridges are inspected routinely.

This generates an ongoing programme of strengthening/repairs to bridges and other structures.

Structures - Maintenance Schemes Completed during 2015/2016

Vattely's Bridge, Tullybrick lane, Middletown,

Tannyoky Road Bridge, Poyntzpass,

Tullinisky Bridge, Kinallen,

Plus other minor repairs to Structures throughout the Borough.

Structures Maintenance work completed within Armagh City, Banbridge & Craigavon Borough Council at a total cost of £75K.

Structures - Maintenance Schemes Proposed within 2016/2017

No maintenance schemes are currently programmed within the Armagh City, Banbridge & Craigavon Borough Council Area due to the unavailability of Structures 'Maintenance' funding for the current 2016-17 financial year.

Vehicle Restraint Systems Completed 2015/2016

Typical VRS replacement scheme -



Route No	Name	Description
A27	'Bridge Street / Marley Street, Portadown	Existing Vehicle Restraint System upgraded with a new retaining wall to meet current policy and specification standards.
C348	Ballydown Road, Banbridge	Vehicle Restraint System upgraded to meet current policy and specification.
B2	Lurgan Road, Dromore (A1 flyover)	Vehicle Restraint System upgraded to meet current policy and specification.
U4024	Old Newry Road, Banbridge	Vehicle Restraint System upgraded to meet current policy and specification.

Road Restraint System works completed within the Borough at a total cost of £140K.

Proposed Vehicle Restraint Systems Upgrade 2016/2017

Route No	Name	Description
A50	Castlewellan Road, Banbridge at Aughnacloy	Vehicle Restraint System to be upgraded to meet current policy and specification. Currently being considered as a minor improvement scheme.

Road Restraint Systems planned within the Borough in 2016/17, approximate value of £20K.

SECTION 2

NETWORK MAINTENANCE

Network Maintenance Manager: Arnold Hamilton

Arnold is supported by two section Engineers



Ian Campbell
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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 “wearing 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. The thicker the layer, the more strength imparted.
- Wearing 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 more heavily trafficked roads and junctions on a more robust 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 scrapped off before the resurfacing takes place

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 similar to slurry sealing with a relatively fast setting time. However it is designed for more demanding locations, uses larger aggregates with a high quality binder, and can be laid in two courses up to a total thickness of 20mm to allow limited surface re-shaping. Its main benefits, as with slurry sealing, 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 man-holes.

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 in urban areas, five times a year across the full verge width. However, last year due to financial constraints the policy was amended and only one cut was carried out across rural and urban areas, with the exception of sightlines which were re-cut as required. Due to continued financial constraint a similar policy will be implemented this year.

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, due to financial constraints routine gully cleaning was only carried out once in all areas last year and due to further funding pressures a similar policy will be implemented this year.

Out of Office Assistance

We have a call centre to deal with calls outside normal office hours. Appropriate personnel can be called upon to deal with emergencies such as flooding on roads, obstructions such as fallen trees, and clearing up after road traffic accidents. The telephone number is 028 3752 9500

2.1 Completed Asphalt Resurfacing 2015/2016

Asphalt resurfacing is more appropriate to heavily trafficked roads and junctions. It can have a life expectancy of up to 20 years. During the past year we have carried out a range of complementary improvements to kerbing, drainage, and the like on asphalt schemes to enhance the value and quality of the work.

Across the Council area a total of approximately 51,000 sq metres of asphalt was laid during the 2015-16 financial year, including the following schemes:-

Route No.	Road Name / Location	Area (m ²)
A28	Gosford Road, Markethill either side of the Bessbrook Road junction	20,500
A29	Keady Road at Beechill cross roads This resurfacing work totalled sqm and was carried out in conjunction with the junction improvement scheme.	4,500
A29	Keady Road, Ballyards Work has been completed on this road realignment scheme to address the collision history here. The horizontal and vertical alignments have been improved along with forward visibility and carriageway width.	5,500
A29	Lislasly Road This resurfacing work was carried out in conjunction with the provision of a right turning lane.	5,400
U4405	Wrights Park / Spelga Gardens, Rathfriland	2,600
A27	Hospital Roundabout, Portadown	600
A26	Banbridge Road, Lurgan	2,600
A27	Mahon Road, Portadown	6,900
B78	Brownstown Road, Portadown	3,600
U1408	Brownlow Terrace, Lurgan	800
B2	Seagoe Road, Portadown	1,100

2.2 Completed Bitumen Macadam Resurfacing 2015/2016

This is a more flexible material than asphalt and is used on less busy rural roads. It is more suitable for the deformation and movement, which can be expected due to weaker underlying ground conditions. As with asphalt resurfacing, we carried out a range of other improvements to add value to the work.

Across the area a total of approximately 497,00 sq metres of bitumen macadam was laid during the 2015-16 financial year, including the following schemes:-

Route No.	Road Name / Location	Area (m²)
B32	Castleblaney Road	9,800
B32	Madden Road, Keady	11,000
B31	Armagh Road Newtownhamilton	8000
U8404	Granemore Road, Keady	500
B3	Loughbrickland Road	14,600
B7	Ballyroney Road	250
U4333	Murray's Hollows	930
U4204	Old Newry Road, Banbridge	3,400
C348	Doughery Road	900
U4169	Drumillar Lane	380

2.3 Completed Surface Dressing 2015/2016

Surface Dressing is a surface treatment used to seal roads to prevent the ingress of water and restore the surface texture of the carriageway.

Across the area approximately 732,000 sq metres of surface dressing was laid during the 2015-16 financial year. Roads treated were:-

Road Name	Road Name
A29 Darkley Road	A29 Keady Road
B3 Coolmillish Road (2 sections)	B3 Derrynoose Road
B3 Fergort Road	B3 Tandragee Road, Markethill
B3 Markethill Road, Tandragee	B3 Tassagh Road (2 sections)
B132 Madden Road	B28 Summerisland/Ardress Road
C196 Derrynoose Road	C168 Derryhale Road
C200 Upper Darkley Road (2 sections)	C197 Crosskeys Road (2 sections)
C208 Derryraine Road	C201 Dundrum Road (3 sections)
C210 Derryhale Road-North end	U7165 Ballynahonemore Road
U7311 Navan Fort Road	U7317 Tonnagh Road
U7353 Donnelly Hill Road	U7344 Yank's Lane
U7400 Mullanary Road	U7373 Aughtantarragh Road
U8132 Off Friary Road	U7399 Long Loanan
U8271 Killyfaddy Road	U8121 Blackquarter Road
U8274 Tullynagin Road	U8133 Off Friary Road
U8312 Viewpoint Road	U8273 Tullynagin Road

2.3 Completed Surface Dressing

Road Name

U8525 Rawes
U8541 Cargalissgorran Road
U8551 Off Fergort Road
B196 Maghery Road
B196 Clonmakate Road
C160 Columkille Road
C162 Drumcree Road
C162 Drumgoose Road
C162 Derryall Road
C349 Donaghcloney Road
C352 Lowtown Road
C364 Clare Road
C349 Mullaghafernaghan Road
U4152 Drumnagally Road
C352 Blue Road
U4115 Tullynisky Road
C307 Kinallen Road
B3 Scarva Road
U4086 Whinney Hill
B3 Ballynaskeagh Road
C345 Ardbrin Road
C345 Glebe Road
B25 Greenhill Road
B7 Dromara Road
U1412 New Line, Lurgan
U1002 Boghead Bridge Road
U1035 Rock Lane
U1036 Ballykeel Road

Road Name

U8301 Slaterock Road
U8531 Glasdrummond Road
U8549 Off Fergort Road
B7 Ballroney Road
U4255 Manse Road
C307 Kilkinamurray Road
C307 Kinallen Road
C307 Katesbridge Road
C322 Glen Road
C322 Drumgooland Road
U4199 Drumgooland Road
C354 Blackskull Road
U4096 Broken Bridge Road
C352 Drumnascamph Road
U1048 Oxford Island Road
U1064 Hall Rampart
U1088 Derryvinney Road
U1113 Tullydagan Road
U1123 Ballymacbredan Road
U1174 Tannaghmore West Road
U1245 off Bluestone Road
U1307 Horseshoe Lane
U1309 off Unshinagh Lane
U1310 Unshinagh Lane
U1314 off Tandragee Road
U1322 off Mahon Road
U1326 off Mullahead Road
U1047 Island View Lane

2.4 Completed Micro Surfacing 2015/2016

Fairgreen Park, Keady,
Cardinal Dalton Park, Keady,
Esker Park, Killylea,
Bunker Hill, Markethill,
Neills Villas, Loughgilly,
Rose Park, Laurelvale,
Maynooth Heights, Richhill,
Jubilee Park, Armagh,
Ardmore Drive, Armagh,
Convent Close, Armagh.
Pinley / Harberton, Banbridge
Granville Gardens, Banbridge
Ballygowan Park, Banbridge
Edendell, Banbridge

Footway Reconstruction 2015/2016

Footway Maintenance Work

Maintenance work on footways was limited to the repair of surface defects which had been identified during routine inspections.

Drainage Maintenance Works 2015/2016

Drainage maintenance works have been carried out on various roads throughout the year. The drainage system has been improved by roadside piping, gully installation and culvert replacement and has continued throughout the year as deemed necessary and as funding permitted.

2.5 Routine Maintenance Works 2015/2016

GENERAL

Normal maintenance activities such as patching, grass cutting, weed spraying, gully emptying and winter maintenance have been carried out as appropriate during the year.

REFURBISHMENT

This is the laying of bituminous materials on roads as one layer over shorter lengths to provide an improved surface. Across the area, work was completed during the 2015/16 financial year on the following roads -

Aughnagurgan Road Keady,	Carryhugh Road, Keady	Canal Bank, Poyntzpass,
Morrison's Lane, Loughgall,	Off Summerisland Road, Loughgall	Causanagh Road, Loughgall
Foymore Road, Portadown,	Deans Road/Sugar Island Road, Bleary,	Clonmeen, Craigavon,
Acres Road, Magheralin,	Magherana Park, Waringstown	Derrymore Road, Gawley's Gate,
Mullanasilla Road, Armagh	Cocklehill Road, Loughgall	Bryandrum Road, Markethill,
Bessbrook Road, Markethill,	Sheetrim Road, Keady,	Off Darkley Road, Keady
Drum Lane, Killylea	Drumgose Road Middletown	Balteagh Road, Milford,
Dernalea Road, Milford,	Carrickaduff Road, Keady,	Off Castleblayney Road, Keady,
Ballyloughan Road, Hamiltonsbawn,	Altnaturk Road, Hamiltonsbawn	Lower Quilly Road, Dromore
Bridge Street, Gilford,	Castlewellan Road, Banbridge	Knockgorm Road, Dromore
Diamond Road, Dromore,	Uppertown Road, Katesbridge,	Moss Road, Loughbrickland
Mullabrack Road, Scarva	Annaghdroughal lane, Aghagallon	

2.6 Proposed Asphalt Resurfacing 2016/2017

It is proposed to strengthen the road foundation where necessary and improve the surface with asphalt on selected lengths of the roads listed below:-

Route No.	Road Name / Location
A3	Monaghan Road East of Border
A3	Armagh Road Portadown East of Vicarage Road.
A3	Northway Portadown
A4	Dungannon Road, Portadown
A26	Flush Place, Lurgan
A26	Church Street, Banbridge
A50	Banbridge Road, Gilford
B2	Mullahead Road, Portadown
C151	Killicomaine Road Portadown
C351	Ballygowan Road, Banbridge

2.7 Proposed Bitmac Resurfacing 2016/2017

Route No.	Road Name / Location
B77-07	Red Lion Rd
B78-13	Cornascribe Road
C197-01	Lagan Rd
C207-07	Seagahan Rd
U7004-01,02	Drumcairn Rd
U8413-01	Lower Darkley Rd Annvale

Proposed Micro Surfacing 2016/2017

A programme for micro surfacing will be considered and is expected to commence in August.

2.8 Surface Dressing Proposed 2016/2017

Roads which were regulated and resurfaced over the past few years required sealing.

Surface Dressing of the following roads is planned for completion during the summer months of 2016:-

Cargalisgorran Road,	Camagh Road	Upper Darkley Road	Tievenamara Road,
Mountain Lodge Road,	Mullanary Road,	Dernalea Road,	Drumgarron Road,
Off Castleblaney Road,	Drumherney Road	Carrickabolie Road,	Off Derryhaw Road,
Corkley Road	Off A3 Monaghan Road	Cladymilltown Road,	(C204 to U8071) Ballymorran Road,
(U8015 to U8231) Drumatee Road,	Drumatee Road, From B78 to C205 Vestry Road	(C204 to Quarry) Drumbeebeg Road,	Battleford Road,
Annvale Road,	Viewpoint Road	Cow Hill Road,	Cavanacaw Road,
Bracknagh Road,	Tirmacrannon Road	Slash Road,	Old Killylea Road
Sandy Ramper N1	Sandy Ramper S1,	Summerisland Road	Blackisland Road,
Lissheffield Road,	Ambies Lane,	Ambies Lane to end	Off Derrycrew Road (part of road),
Tallbridge Road,	Marshalls Lane,	Off Drumanphy Road,	Corlust Road
Off Marlacoo Rd	Ballyloughan Road	Marlacoo Lane,	Monclone Road
Drumnamether Road	Tullymacann Road,	Lisbane Road,	Derryhale Lane
Ballynaleck Road	Corcullentragh Road	Bleary Road,	Sugar Island Road
Ballylisk Lane,	Knocknamuckly Lane,	Corbracky Lane,	Brankins Island Lane
Gravel Lane,	Tiscallen Lane,	Moss Road,	Rampark Road
Pier Rampart	Church Road,	off Ballynerry North Road,	Annaloiste Road
Ballynamoney Lane,	Gaudybridge Road,	Moytown Road,	Annesborough Road
Brankinstown Road	Cranagh Road,	Derrymore Road	Ballynamanga Road,
Brookvale Road	Mullaghafernaghan Road,	Lackan Road,	Sentry Box Road,
Fernhill Road	Lough Road	Ballela	Glen Road Kilkinamurray,
Flough Road,	Drumneath Road,	Gregorlough Road,	Hill Road

2.9 Network Maintenance - Winter Service 2015/2016

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 40 gritting vehicles and over 140 personnel were available 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 71 salting actions this year, at a cost of just under £25,000 per action; the first action being on 20 November 2015 and the last on 27 April 2016. Approximately 16,400 tonnes of salt was used. These figures do not include work carried out on the M1 and the A1 which are maintained by DBFO 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 Transport NI maintained weather stations across Northern Ireland with an additional 4 stations maintained by the DBFO companies, and with further data provided from 10 sites in Southern 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

Network Development Manager: James Kelly

James is supported by



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SENIOR ENGINEER**

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BT64 1AD

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3.1 Network Development Schemes Completed

Minor Works Schemes Completed 2015/2016

A3 Friary Road Armagh Newry Road junction, Armagh

This scheme to improve traffic progression and pedestrian facilities at this key junction was completed in July 2015. The scheme has had a significant positive impact on traffic progression in Armagh at this junction and the adjacent Mall West Gaol Square Barrack Street junction. This scheme was part funded by council and DSD.

C185 Artasooly Road Blackwatertown

This scheme involved the provision of approximately 150metres of Vehicle Restraint System and was completed in February 2016.

B7 Rathfriland Road at Dechomet Road Junction Moneyslane

A scheme to improve forward visibility and widen the carriageway at this location is complete.

B77 Loughgall Road at Kilmoriarity Hall

A scheme to widen the carriageway and improve the forward visibility was completed in March 2016

B78 Mullurg Road at A51 Hamiltonsbawn Road junction

A scheme to improve forward visibility on the approach to this junction was carried out in September 2015.

Collision Remedial Schemes Completed in 2015/16

A29 Keady Road Armagh at Ballyards

A scheme to realign the above road at Ballyards lodge was completed in July 2015. This scheme was carried out to improve upon the poor collision history at this location.

A29 Keady Road Armagh at Beechhill Crossroads

Following investigation of injury collision history at this location, a scheme to improve the super-elevation and road width and also provide edge of carriageway marking and road studs was completed here in March 2016. The visibility at the side road junctions has also been improved and footway links to the bus shelter were provided.

Network Development Schemes Completed 2015/2016

Traffic Calming Schemes Completed 2015/16

Donaghcloney

This scheme included the provision of 15 road humps, 17 sets of speed cushions and a pedestrian refuge island. Work was completed by June 2015.

Banbridge Road, Kinallen

This scheme involved the provision of 3 sets of speed cushions, 4 road humps and a raised speed table, together with associated signage and road markings.

Work was completed by September 2015.

Drumbreda Estate, Armagh

This scheme involved the provision of 7 road humps, together with associated signage and road markings. This work was completed by November 2015.

Network Development Schemes Completed 2015/2016

Pedestrian and Cycling Measures Completed in 2015/16

Controlled Pedestrian Crossings

New controlled crossing facilities have also been provided at the following locations;

Barrack Hill, Armagh - A controlled Toucan pedestrian crossing has been installed on Barrack Hill, Armagh. A Toucan crossing is similar to a Puffin crossing only wider to accommodate its use by cyclists.

Work was completed in November 2015.



Network Development Schemes Completed 2015/2016

Pedestrian and Cycling Measures



Avenue Road (at Kings Park Primary School, Lurgan - A controlled Toucan pedestrian crossing has been installed on the Avenue Road, Lurgan adjacent to Kings Park Primary School. Work was completed in June 2015.

Kernan Road, Portadown

290m of combined footway and cycle track and a controlled Toucan pedestrian crossing has been installed on the Kernan Road, Portadown adjacent to Portadown Integrated Primary School. This links the school to the existing off road cycle network in the area and work was completed in April 2016.

Scarva Street Banbridge

A section of footway has been provided at the junction of Peggy's Loanin and Scarva Street Banbridge

Network Development Schemes Completed 2015/2016

Pedestrian Measures

Dropped Kerb Provision

Dropped kerbs have been provided at:-

Primrose Gardens Banbridge

Leamont Park Banbridge

Breezeways Banbridge

Iveagh Drive Banbridge

Downshire Road Banbridge

Market Square Dromore

Lurgan Road Dromore

Princes Street Dromore

Spelga Drive Rathfriland

Main Street Loughbrickland

Hillside Crescent Portadown

Ballyoran Park Portadown

Water Street, Portadown

Castle Street, Portadown

Obins Street, Portadown

Main Street, Donaghcloney

Donagh Park, Donaghcloney

Baird Avenue, Donaghcloney

Tassagh Road, Keady

Altmore, Craigavon

Clonmeen, Craigavon

Enniskeen, Craigavon

Parkmore, Craigavon

Killwilkie Road, Lurgan

Kilvergan Road, Aghacommon

Network Development Schemes Completed 2015/2016

Traffic Signs

Ambulance Station Ballygowan Road Banbridge
Double Bend signs Loughbrickland Road Banbridge
Double Bend signs Lower Quilly Road Dromore
Pedestrians on Road signs Annaclone
Bend signs Enagh Road Waringsford
Marker Posts A25 Newry Road Rathfriland
No Through Road sign at Umgola Mews Armagh
Pedestrian sign at Rectory Close Loughgall
Bend warning signs Cloveneden Road Loughgall
Marker Posts at Canary Line
Marker Posts at Mowhan Road/Crunagh Road junction
Removal of signs A29 at Ballyards
Limited waiting signs at Loughgall Road Armagh
Junction warning signs adjacent at Newtownhamilton Road at Ballymacnab
Weight restriction sign at Abbey Street Armagh
Reduce Speed Now; junction warning; and bend warnings signs at Mullahead Road Tandragee
Relocation of warning signs at Ardress Road
Junction warning signs and crossroads signs at Derrynoose
Junction to left and chevron signs at Tannyokey Road/Tyrone's Ditches Road
Parking restrictions signs at Dobbin Street Armagh
No Right Turn signs at Thomas Street/Dobbin Street Armagh
Playground, School and Patrol signs at Annareagh Road Hamiltonsbawn
Speed limit Signs at Station Road Scarva
Direction sign at Farnaloy Road
Junction warning signs at Legacorry Road /Mulladry Road and Mullalelish Road/Ballybreagh Road Richhill
Limited waiting and Bus Stop signs College Hill Armagh
Relocation of signs at A3 Portadown Road at Crewcatt
Junction warning signs at Cloveneden Road Loughgall

Network Development Schemes Completed 2015/2016

Traffic Signs

Reduce speed now and chevron signs at Battleford Road Armagh

Direction signs for Tullyroan at Derrycaw Road

Advance Give Way signs at Glennane Road at Bessbrook Road junction

A27 Aughlish Road at Terryhoogan and warning and junction warning signs

Double bend warning signs at A29 Keady Road Armagh

Various parking and waiting restriction signs at High Street, Church Place, Windsor Avenue, North Street and William Street Lurgan

Alterations to speed limit signs at Lurgan Road and Dunkirk Road Waringstown

School warning sign at A27 Lurgan Road Portadown

Army Reserve signs at Charles Street Portadown

Signs for Lurgan Baptist Church on High Street Lurgan

Erection of 36 sign posts at High Street, Market Street, William Street and Brownlow Terrace Lurgan

Marker posts at Gooseberry Conner Aghagallon

Speed limits signs and derestrictors at Gamblestown

Relocate the 30mph Gateway signs at Steps Road Magheralin

Marker posts at Brankinstown Road Aghagallon

Speed limit signs Old Lurgan Road and Lisnisky Lane Portadown

Carbet Road Portadown road unsuitable for HGV sign

One way arrows on Moyraverty Roundabout

Junction warning signs at Drumnacanny Road Portadown

Give Way sign Knock Road Portadown

Junction warning sign at Drumgask Road

Hidden dip sign at A4 Dungannon Road

School signs at Tannaghmore Primary School

Alternative route signs at Dukestown Lane Lurgan

Lough Road park and ride signs

Give Way sign at Clonmacash Road

Tourist signs for Brownlow House

Network Development Schemes Completed 2015/2016

Traffic Management—Carriageway Markings

Reduce speed now and chevron signs at Battleford Road Armagh

Direction signs for Tullyroan at Derrycaw Road

Advance Give Way signs at Glennane Road at Bessbrook Road junction

A27 Aughlish Road at Terryhoogan and warning and junction warning signs

Double bend warning signs at A29 Keady Road Armagh

Various parking and waiting restriction signs at High Street, Church Place, Windsor Avenue, North Street and William Street Lurgan

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Carbet Road Portadown road unsuitable for HGV sign

One way arrows on Moyraverty Roundabout

Junction warning signs at Drumnacanny Road Portadown

Give Way sign Knock Road Portadown

Network Development Schemes Completed 2015/2016

Traffic Management—Accessible Parking Bays

Applications for “disabled” parking bays have been assessed on an individual basis, as they are received. The following bays have been provided;

3 Dalton Road Armagh	29 Ballymore Road Tandragee	17 Breezeways Banbridge
19 Callan Crescent Armagh	10 Dickson Park Seapatrick	6 St Patricks Avenue Aghagallon
Brookhill Crescent Armagh	1 Ervine Park Waringsford	3 & 7 South Street Portadown
Orangefield Drive Armagh	11 Downshire Gardens Banbridge	5 Corcrair Drive Portadown
Drumbreda Avenue Armagh	43 Castlevew Gilford	27 Tullyroan Drive Portadown
St Patrick Street Keady	16 Spelga Drive Rathfriland	23 Glenavon Avenue Lurgan
4 Pinewood Drive Richhill	12 Ashvale Drive Loughbrickland	14 Irwin Place Portadown

Traffic Management—Waiting Restrictions

William Street, High Street and North Street Lurgan

Following the implementation of the Council led Public Realm Scheme in Lurgan a number of new restrictions were provided. The restrictions in High Street, North Street and William Street are now operational.

Traffic Management—Speed Limits

B2 Dromore Road at Gamblestown

A 40mph speed limit has been provided on the B2 at Gamblestown. This became operational in July 2015

B28 Moy Road Portadown at Scotch Street Portadown

The existing 40mph speed limit at Scotch Street was replaced by a 30mph limit and became fully operational in January 2016.

Network Development Schemes Completed 2015/2016

Traffic Management—Traffic Orders

The experimental order which banned right turns from Carrickblacker Road and Lurgan Road at Edenderry, Portadown has now been made permanent. The temporary barriers will remain in place until work to provide new traffic islands, which is to be coordinated with the Council led linkages scheme, is completed.

3.2 Network Development Schemes Proposed 2016/2017

Minor Works

A25 Newry Road Rathfriland

A scheme to provide a forward sightline improvement is programmed for this financial year.

Meadow Lane Portadown

A review is currently in progress at the traffic signal controlled junctions on Meadow Lane at the Bowling Green and Meadows Shopping centre junctions with a view to identifying improvements that will improve safety and traffic progression here. It is anticipated that any improvements identified would be delivered this year. This work may be coordinated with the Council linkages scheme.

Collision Remedial

A29 Moy Road Armagh at Lislasy Road

Investigation of the collision data at this location identified that there was merit in the provision of a right turning lane at this location. Work commenced in March 2016 and will be completed in May.

Network Development Schemes Proposed 2016/2017

Pedestrian Measures

New controlled PUFFIN crossings will be provided at the following locations:

- Russell Drive, Lurgan
- Hamiltonsbawn Village

Maydown Road Tullysaran

A scheme to provide a new footway link is programmed for the current year.

Pedestrian Guard Rail

It is planned to provide sections of pedestrian guard rail at the following locations

- Kernan Hill Road Portadown
- Edward Street Lurgan

Traffic Management

Road Markings

White bar marking at Main Street Markethill

Edge of carriageway marking at Collegeland Road at Canary Line junction

SLOW markings on the Tannyoky Road Markethill

Yellow box marking at Friary Road Armagh at the City Hotel entrance

Edge of carriageway marking at Ashley Avenue Armagh

30mph and 40mph roundels at Monaghan Road Middletown

Give way marking at Bloomhill Road Loughgall

Removal of white box Main Street Markethill

Give Way markings in Darkley

White bar marking at Laurelvale Road Laurelvale Parking bays at Church Place and Windsor Avenue Lurgan

Yellow box marking at bus loop at Rushmere

Keep Clear marking at Collingwood Avenue Lurgan

Give way markings at Kernan Hill Manor Portadown

Network Development Schemes Proposed 2016/2017

Accessible Parking Bays

4 Cathedral Terrace Armagh
Fairgreen Road Markethill
54 Hill Street Milford
Newry Street Banbridge
6 Downshire Gardens Banbridge
3A Rockview Close Banbridge
45 Maryville Crescent Banbridge
20 & 22 Woodside Park Loughbrickland
Outside Doctors Surgery Loughbrickland
146 Ulsterville Park Portadown
15 Granville Gardens Portadown
4 Watson Grove Portadown
Stronge Court Portadown
20 Albert Avenue Lurgan
Pollock Drive Lurgan
23 Glenavon Crescent Lurgan
14 Irwin Place Donaghcloney
22 Albert Avenue Lurgan

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 stage

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

Network Development Schemes Proposed 2016/2017

Safer Routes to Schools

St Peters Primary School, Collegelands

Work to provide new part time 20mph speed limits at the school has commenced. The part time speed limits have been legislated however a delay in the provision of additional repeater signs means that work will be completed in June 2016.

Moyallen Primary School

Work to provide new part time 20mph speed limits at the school has commenced. The part time speed limits have been legislated however a delay in the provision of power supply and additional repeater signs means that work will be completed in June 2016

Network Development Schemes Proposed 2016/2017

Waiting Restrictions

Brownlow Terrace Lurgan

The legislation is currently being made for new parking restrictions in Brownlow Terrace.

Park Road, Thomas Street and Wilson Street Portadown

Legislation to provide limited waiting in Thomas Street and Park Road as well as double yellow lines at Wilson Street is currently being legislated.

Union Street and Carnegie Street

As part of the current Public Realm scheme ongoing in Lurgan a number of changes to parking is proposed in Union Street and Carnegie Street. These will be forwarded to the Council in due course.

Newry Street Banbridge

It is proposed to implement limited waiting in the bus stops at Newry Street Banbridge which will no longer be required following completion of the bus facility in Banbridge.

Speed Limits

Following a speed limit review of the following areas, in line with current policy, and confirmation by the PSNI that they are content with the proposals, it is our intention to progress legislation for the introduction of a 30mph speed limit at the following locations.

Castlewellan Road Rathfriland

A 40mph speed limit is proposed on the lead in to the town on the above road.

Network Development Schemes Proposed 2016/2017

Silverwood Road Lurgan

A proposal to implement a 50mph speed limit along Silverwood Road Lurgan is currently being legislated. This will also include the provision of a 40mph limit along the entire length of Kiln Road.

Moneyslane Road and Dromara Road Moneyslane

It is proposed to implement 30mph limits on the above roads. Full details will be forwarded to Council in due course.

Traffic Orders

Mill Avenue, Portadown

A proposal to prohibit u-turning on Northway between Mill Avenue and West Street has been advertised and no objections were received. The matter will now be referred to the Department for Infrastructure Committee for approval following which a commencement date will be advertised.

Friary Road Armagh

As part of the recent scheme at Friary Road a number of banned turns are being legislated. In addition a Loading Bay will be provided at the new mini-roundabout at Dobbin Street. These will become operational later in the summer.

Traffic Signs

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

SECTION 4

NETWORK PLANNING & STREET LIGHTING

Network Planning Manager: Reynold Nicholson

Reynold is supported in Armagh, Banbridge & Craigavon Borough Council by the following



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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. Transport NI on behalf of the Department for Regional Development (Department for Infrastructure from 9 May 2016) has entered into an agreement with each Council to provide views and advice on roads and transportation related issues.

Transport NI 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. 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.

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/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 streets, Transport NI can take appropriate enforcement action under the Private Streets Order to ensure satisfactory completion of works funded by the bond.

Other associated Development Control work includes participating in pre-application, planning meetings, presentation of evidence at Planning Appeals and the approval of accesses onto the public road under Article 80 of the Roads (NI) Order 1993. The Section also deals with responses to property certificate enquiries.

During the reporting period from 1 April 2015 to 31 March 2016 within the Armagh City, Banbridge & Craigavon Borough Council Area, the Development Control Team dealt with:

Planning Applications	1096
Pre-Planning Enquiries	26
Planning Applications involving Private Streets Order	48
Planning Appeals	4

Examples of major applications being dealt with include:

- LA08/2015/0115/F – Carnreagh, Craigavon Housing
- LA08/2015/0071/F – Eastway, Craigavon Housing
- LA08/2015/0051/F – Kiln Road, Lurgan Housing
- LA08/2015/0579/PAD – Lurgan Road, Portadown Housing
- LA08/2015/1129/PAD – Lisnisky Lane, Portadown Housing

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 Transport NI dealt with 33 Article 80 applications.

Adoptions

During the reporting period Transport NI has adopted a total of 9759m of carriageway, 4029m of footway and 1138m of parking into the publicly maintained network. These stretches fall within the following developments and excludes adoptions associated with enforcements.

- Rockfield Downs, Armagh, Stage 1
- Granemore Road, Keady, Stage 3
- Portadown Road, Richhill, Stage 1
- Derrynoose GAC, Stage 1
- Cornmarket Court, Tandragee, Stage 1
- Linvara, Tandragee, Stages 2&3
- Castle Rise, Tandragee, Stages 8 to 11
- Annahugh Hill, Loughgall, Stages 1&2
- Riverside, Poyntzpass, Stage 1
- Mulladry, Road, Richhill, Stage 1
- Mullabrack Parish Church, Armagh, Stage 1
- Bannvale Mews, Armagh, Stage 1
- St Catherine's Court, Armagh, Stage 1
- Mowhan Road, Markethill, Stage 1
- Main Street, Hamiltonsbawn, Stage 1
- Dobbin Street, Armagh, Stage 1
- Coolmillish Park, Markethill, Stage 1
- Lonsdale Court, Armagh, Stage 1
- Gosford View Manor, Markethill, Stage 1
- Weavers Lodge, Hamiltonsbawn, Stages 1-3
- Drumorgan Manor, Hamiltonsbawn

Adoptions

Adjacent to St Teresa's Church, Banbridge, Stage 1
Castlewellan Road, Banbridge, Stage 1
Drumadonnell Primary School, Moneyslane, Stage 1
Scarvagh Heights, Scarva, Stages 1 to 3
Oak Grove, Banbridge, Stages 1&2
Upper Quilly Road, Dromore, Stage 1
Drumlin Grange, Moneyslane, Stages 1&2
Glasses Row, Banbridge, Stage 1
Oak Ridge/Lodge Banbridge, Stages 2 -8
Portadown Public Art, Portadown, Stage 1
Lisnisky Lodge, Portadown, Stages 2 -4
Churchill Gardens, Portadown, Stage 1
Foxes Hill, Lurgan, Stages 6&7
Woodville Gate, Lurgan, Stages 1&2
Almac, Portadown, Stages 1&2
Bowens Lane, Lurgan, Stages 1&2
Parkmore, Craigavon, Stage 1
Bann Close, Derrytrasna, Stages 1&2
Tullyroan Drive, Portadown, Stage 1
Mossview, Waringstown, Stages 1,3&5
Pprospect Way, Lurgan, Stage 1
Tandragee Road, Portadown, Stage 1
Ashgrove Road, Portadown, Stages 1&2
Hillcrest, Lurgan, Stage 2
Lynedale Manor, Portadown, Stages 3-5
Lilburn Hall, Lurgan, Stage 8
Ballyoran Manor, Portadown, Stage 3
Limefield Rise, Craigavon, Stages 1-4
Hillcrest Manor, Craigavon, Stages 1-8
Taughrane Lodge, Dollingstown, Stage 3
Highfield Road North, Stage 1

The following private developments were brought to adoption standard through enforcement action;

Castle Rise, Tandragee Stages 8-11
Annahugh Hill , Loughgall Stages 1 & 2
Oak Grove , Banbridge Stages 1 & 2
Drumlin Grange , Moneyslane Stages 1 & 2
Oakridge Castlewellan Rd Banbridge
Drumorgan Manor, Hamiltonsbawn.
Bannvale Mews Armagh
St Catherine's Court, Armagh
Mossview Waringstown
Ballyoran Manor Portadown
Lyndale Manor Kernan Rd Portadown

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 Transport NI will take enforcement action and appoint its own contractor, recovering the costs of works from the 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.

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

Edenderry Drive, Artasooley, Armagh- substantially complete
Limestone Square, Rock Road, Armagh - substantially complete
Belvedere, Kilmore Road, Lurgan - substantially complete
Roeshill, Lawrencetown, Banbridge - substantially complete
Pollock Mews, Lurgan
Mounthall Grange, The Birches, Portadown
Ashbridge Manor, Kinallen.
Maynooth Manor, Richhill - substantially complete
Kilcluney Road, Armagh.
Ashgrove Manor Portadown - substantially complete

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

Lawrencevale, Lawrencetown, Banbridge.
Rowanvale Banbridge
Scarva Road Factory Entrance, Banbridge.
Keelmount Grange, Scotch Street, Portadown.
Baltylum Meadows, Portadown
Madden Heights, Tandragee.
Barban Mews, Dromore.

Abandonments

Abandonments of public rights-of-way such as sections of adopted roads and Footways are procedures separate from the planning process. These involve public consultation exercise which informs Transport NI's decision to approve or reject any application.

Private Streets: Property certificates

Private Streets Section coordinates the TransportNI response to Property Certificate Enquiries.

4.3 Street Lighting

The total number of lights in Southern Division is 80,949 of which 32,207 (40%) are contained within the Armagh City, Banbridge & Craigavon Borough Council area.

Minor Works/Upgrading Schemes

Work has been completed or is nearing completion (as indicated) on the following schemes

Location	Area	No. of Lanterns complete
Mullavilly Rd Laurelvale	Laurelvale	2
Armagh Rd Tandragee	Tandragee	9
Mourneview Pk Clady	Markethill	23
Rectory Close Loughall	Loughall	13
Esker Pk Killyleagh	Armagh	13
Umgola Heights Armagh	Armagh	21
Dromore Road	Banbridge	25
Hillhead Park	Banbridge	63
Brookfield	Gilford	6
Monteith Road	Annaclone	3
Lisizze Park (In Progress)	Rathfriland	50
Sandy Row	Portadown	2
Ballyoran Area Phases 1 & 2 (In Progress)	Portadown	107
Northway Central Way	Craigavon	20
Northway Section 2 (Highfield / Marlborough House R/about)	Craigavon	26
Northway Section 1 (Kernan Loop / Highfield)	Craigavon	31
Seagoe Park	Portadown	23
Queens Place (In Progress)	Lurgan	6

New Housing Developments

In the 2015/2016 financial year, Southern Street Lighting Section accepted responsibility for 190 new street lights in the Armagh, Banbridge and Craigavon Borough Council area on private housing developments constructed under the Private Streets (Construction)(Amendment) Regulations (Northern Ireland) 2001

Street Lighting Maintenance

Budget constraints have meant that the Department has faced periods of significant street lighting resource pressures over the last two years. While budget pressures still exist this year, our initial allocation for street lighting maintenance allows us to continue using our external contractors to carry out street lighting repairs at this time. However, the continuation of this service for the full year will depend on the outcome of monitoring rounds

Since April 2015, TransportNI only repairs those defective street lights reported by citizens 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 ie 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.

LED Project

The pilot LED retrofit project in Banbridge and Craigavon areas is now substantially complete. A total of 15,164 new LED lanterns have been installed, at a cost of £3m. The savings in electricity and maintenance costs are not yet finalised, but are estimated to be over £400k per annum.

This has been a large scale project, and while the new lighting has been well received in many locations, it is also acknowledged that complaints about lighting levels and poor uniformity have been received. Each complaint has been carefully assessed and, where appropriate, adjustments have been made, or will be implemented in the near future to address the issues. However, for the majority of the complaints assessed to date, the new LED lighting has been found to meet the appropriate class in British Standard BS 5489, 'Code of Practice for the Design of Road Lighting'.

The project aimed to provide a better understanding and experience of key issues such as: procurement; design and selection of equipment; column surveys and testing; transition from mainly sodium (amber/pink) light sources to white light LEDs; and savings in energy and maintenance costs. The experience gained will help to inform future projects and to find the correct balance in delivering the right levels of street lighting for the public, while making the necessary cost savings

Upgrading Schemes Proposed

Town	Location	Type
Laurelvale	Rose Gardens	Relighting
Markethill	Coolmillish Park	Relighting
Tandragee	Ballymore Park	Relighting
Scarva	Moody Park	Relighting
Banbridge	Edenderry Road	Relighting
Portadown	Greenview Gardens	Relighting
Portadown	Ballyhannon Park	Relighting