



Carlow County Council

Winter Services Plan 2024/2025

‘The winter maintenance period lasts from mid-October to the end of April each year. Carlow County Council is constantly striving to improve its winter maintenance service; however, neither the local authority nor Transport Infrastructure Ireland (TII) has a statutory obligation to pre-salt roads. The aim, however, is to keep priority roads safe and as free as possible from wintry hazards.....’

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Muinebhlag MD Area Engineer 9172415
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Roads / Transportation 9170379

Information Technology
Housing
Waste & Environment
Rates
County Library
Community
Loan Payments

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Arts 9136203
Motor Taxation 9170342





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A1 Document Control

Revision	Status	Revision Details	Date
A	Consultation	Priority 2 & 3 Revisions	21 st Dec 2010
B	Consultation	Priority 2 & 3 Revisions	18 th Jan 2011
C	Consultation	Personnel, Rotas, Footpaths, Hotspots, Machinery, Treatment/Decision Matrices	9 th Nov 2011
D	Distribution	Updated Distribution List, Personnel & Rotas	10 th Oct 2012
E	Distribution	Inclusion of Egis Lagan for M9, Revision of Priority 1&2 Routes, Personnel & Rotas	7 th Nov 2013
D	Distribution	Updated Distribution List, Roles & Responsibilities, Personnel & Rotas	10 th Oct 2016
E	Distribution	Updated Distribution List, Personnel & Rotas	23 rd Oct 2017
F	Distribution	Updated Distribution List, Personnel & Rotas	8 th Oct 2018
G	Distribution	Updated Distribution List, Personnel & Rotas	14 th Oct 2019
H	Distribution	Updated Distribution List, Personnel & Rotas	12 th Oct 2020
I	Distribution	Updated Distribution List, Personnel & Rotas	12 th Oct 2021
J	Distribution	Updated Distribution List, Personnel & Rotas	17 th Oct 2022
K	Distribution	Updated Distribution List, Personnel & Rotas	14 th Sept 2023
L	Distribution	Updated Distribution List, Personnel & Rotas	7 th Oct 2024

Approval List

Role	Name	Signature	Date
Author(s)	Pat Harrington Henry Nolan		
Checker(s)	Ray Wickham		
Winter Service Manager	Pat Harrington		
Director of Services for Transportation	Padraig O’Gorman		

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A2 Distribution List

Issued To	Organisation / Company	Location
Padraig O’Gorman (DOS)	Carlow Co. Co.	Athy Road, Carlow
Ray Wickham (NSMS & Duty Eng)	Carlow Co. Co.	Athy Road, Carlow
Pat Harrington (WSM & Duty Eng)	Carlow Co. Co.	Tullow, Carlow
Orla Barrett (Duty Eng)	Carlow Co. Co.	Athy Road, Carlow
Lilly Slye (Duty Eng)	Carlow Co. Co.	Bagenalstown, Carlow
Cian Madden (Duty Eng)	Carlow Co. Co.	Kernanstown, Carlow
Henry Nolan (W.S. Supervisor)	Carlow Co. Co.	Kernanstown, Carlow
Zena Kane (H&S Advisor)	Carlow Co. Co.	Athy Road, Carlow
Ben Woodhouse (A/CFO)	Carlow Co. Co.	Green Lane, Carlow
Seamus Kavanagh	Kilkenny Co. Co.	John Street, Kilkenny
Paul McLoughlin	Laois Co. Co.	Portlaoise, Co Laois
Brendan Sinnott	Kildare Co. Co.	Devoy Park, Naas
Sinead Casey	Wexford Co. Co.	Spawell Road, Wexford
Michael Flynn	Wicklow Co. Co.	Whitegates, Wicklow
Regional & Local Roads	Department of Transport	Kildare St., Dublin
Stephen Smyth	TII (formally NRA)	Kildare
Martin Flaherty	Lagan Egis	N25 Toll Plaza
Evelyn Cusack	Met Éireann	Glasnevin Hill, Dublin 9
Superintendent Anthony Farrell	An Garda Síochána	Athy Road, Carlow

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A3 Purpose and Scope

The purpose of this document is to identify the processes, procedures and key personnel employed by Carlow County Council, in the delivery of winter maintenance service throughout County Carlow.

A4 Winter Maintenance Policy

Motorists have a general duty of care to consider prevailing weather and road conditions when planning and/or undertaking journeys across the public road network.

Due to the length of road network in County Carlow, it is not feasible to treat all roads in the county during the winter season (October-April). Accordingly, a form of prioritisation is necessary and routes are divided into the following priority designations :-

- **Priority 1 Routes** – Carlow County Council will seek to ensure, as far as reasonably practicable, the prevention of ice formation and snow accumulation on these routes.
- **Priority 2 Routes** – Carlow County Council will aim to keep priority 2 roads safe and as free as possible from wintry hazards as far as reasonably practicable. In extreme weather events, Priority 1 routes will take precedence over Priority 2 routes in terms of allocation of resources.
- **Priority 3 Routes** – Not treated as part of the normal winter maintenance service. May receive intermittent treatment during particularly severe weather events, with gritting material provided at designated locations for local voluntary groups to utilise. Road-users must not assume that pre-salting services have been provided to the Priority 3 Network.

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Route Designation	Description	Level of Service
Priority 1	Routes outlined in Appendix 1, including areas where Section 85 Agreements are in place with Kilkenny, Wicklow, Wexford & Kildare County Council's	To be treated in accordance with (A9) Decision Matrix (Priority 1)
Priority 2	Routes outlined in Appendix 1	<p>Treatment will only occur when there is;</p> <ul style="list-style-type: none"> • predicted prolonged snow fall that will accumulate <u>or</u> • to a limited extent when specifically identified widespread ice formation as forecast at two or more TII weather stations. <p>There is no guarantee that these routes will be treated. Information will be available regarding treatment on local media.</p>
Priority 3	All other routes (including cycle & pedestrian routes).	Not treated as part of the normal winter maintenance service. During particularly severe weather events may receive intermittent treatment, with gritting material provided at designated locations (Appendix 1) for local voluntary groups to utilise.

A4.1 Mobilisation and Treatment times are detailed as follows:

Treatment Route	Priority 1	Priority 2	Priority 3
Mobilisation Time	1 hr	1 hr	When possible
Treatment Time	2 hr	4 hrs	When possible

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A5 Overall Map of Winter Services Plan Area

The map produced to show the Route Priority (appendix 1) is available at:-

<https://carlow.ie/roads-and-transport/road-maintenance/roads-winter-maintenance>

The map contains:-

- The overall extent of the network covered by the Winter Service Plan
- Local Authority boundary
- Treatment routes and Priorities:
 - **Green** - Priority 1 route treated by PPP operator (Egis Lagan)
 - **Red** - Priority 1 routes treated by Carlow Co. Co., (including Section 85 Agreements in neighbouring LA's)
 - **Blue** - Priority 2 routes treated by Carlow Co. Co., (including Section 85 Agreements in neighbouring LA's)
- **Brown** - Weather Station(s) location
- **Purple** - Compounds & Depots
- **Orange** - Material drop off locations

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A6 Roles & Responsibilities

The names of Key winter services personnel are contained in Section A8. Their roles and responsibilities are set out hereunder :-

A6.1 Winter Services Manager

- To ensure the preparation of the Winter Service Plan prior to the start of each winter period.
- To undertake co-ordination with neighbouring Local Authorities and any relevant private winter services operator(s) on the Winter Services Plan and to issue the Winter Services Plan to the TII (NRA) and Department of Transport.
- To ensure the preparation of a rota of suitably experienced Duty Engineers, identifying the availability of a decision maker throughout the entire winter period and send an electronic copy of the final roster to the TII (NRA) and the bureau weather forecaster.
- To ensure the preparation of a rota of suitably trained operatives throughout the entire winter period.
- To ensure suitable plant, equipment & salt supplies are available to undertake effective Winter Services operations.
- To provide advice to the Duty Engineer.
- To liaise with and report to the Director of Service & Senior Engineer for roads, TII (NRA) and Department of Transport.
- To provide factual information concerning the network to An Garda Síochána for onward distribution to the Press, Local Radio, RTE & AA
- To carry out an end of season review of issues that arose during the winter service period and to communicate any important aspects of this review to the Director of Service for Roads

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A6.2 Duty Engineer

- Use the Forecasting Model Service (Vaisala) to examine the forecast and track the actual conditions on the routes
- Monitor the actual weather conditions until a decision is made. Obtain updated or more detailed road weather forecasts using the Duty Weather Forecast consultancy service, as required.
- Make a decision based on the forecast data and notify the Winter Services Supervisor of the proposed treatment for that Day/Night. This is to include:-
 - Commencement times
 - Routes to be treated
 - Spread Rates
- Record decision and treatment details (Appendix 4) – decision times, commencement times, routes to be treated, spread rates, temperatures (Forecast/Actual).
- Fill in the winter services returns on the TII Network Management System (NMS)
- Report to the TII in relation to salt stocks, requirements & ordering stocks
- Make a decision on special situations, in consultation with the Winter Services Supervisor and record decision & details.
- Consult with Winter Services Manager during the preparation or revision of the Winter Services Plan

A6.3 Winter Services Supervisor(s)

- Notify the designated Winter Services Operative(s), as per the rota of the proposed treatment for that day/night, including - Commencement times, Routes to be treated & Spread Rates (Appendix 2)
- Inform the Duty Engineer of any servicing or maintenance requirements for the winter service equipment
- Update the Duty Engineer with estimates of local salt stocks
- Advise Duty Engineer & Winter Services Manager of modifications, incidents or any problems encountered
- Consult with Winter Services Manager & Duty Engineer during the preparation or revision of the Winter Services Plan
- The winter services supervisor organises salt deliveries and collects dockets.

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A7 Rosters

A7.1 Winter Services Manager

Principal Contact	Pat Harrington	Duty Engineer
Backup Contact	Ray Wickham	Duty Engineer

A7.2 National Salt Management System

Principal Contact	Ray Wickham	Duty Engineer
Backup Contact	Pat Harrington	Duty Engineer

A7.3 Duty Engineer(s)

Week starting Monday	Duty Engineer's Initials	Week starting Monday	Duty Engineer's Initials	Week starting Monday	Duty Engineer's Initials	Week starting Monday	Duty Engineer's Initials
14/10/2024	RW	02/12/2024	CM	20/01/2025	LS	10/03/2025	PH
21/10/2024	PH	09/12/2024	RW	27/01/2025	OB	17/03/2025	CM
28/10/2024	CM	16/12/2024	LS	03/02/2025	OB	24/03/2025	RW
04/11/2024	RW	23/12/2024	PH	10/02/2025	CM	31/03/2025	LS
11/11/2024	LS	30/12/2024	PH	17/02/2025	RW	07/04/2025	OB
18/11/2024	OB	06/01/2025	CM	24/02/2025	LS	14/04/2025	PH
25/11/2024	PH	13/01/2025	RW	03/03/2025	OB	21/04/2025	CM

A7.4 Winter Services Supervisor(s)

Principal Contact	Henry Nolan	WSS
Backup Contact		

A7.5 Mechanic(s) & Fitter(s)

Carlow Co. Co. has arrangements in place for the maintenance, servicing and/or emergency repair the winter service equipment with the following service providers:

Oct	Nov	Dec	Jan	Feb	March	April
Spruhan's & Romaquip	Spruhan's & Romaquip	Spruhan's & Romaquip	Spruhan's & Romaquip	Spruhan's & Romaquip	Spruhan's & Romaquip	Spruhan's & Romaquip

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A7.6 Drivers

The schedule below outlines the rota for Winter Services Drivers 'on call' for the week identified and are available throughout the night for re-treatment/emergencies. Backup drivers are called in as replacements or will be used in the event of snow falls where the treatment matrix calls for multiple treatments/ploughing.

Carlow Winter Maintenance Roster 2024-2025

Week Commencing	Driver 1	Driver 2	Driver 3
17-Oct-24	ALAN OWENS	DANIEL FITZPATRICK	FRANK DOWLING
24-Oct-24	TOM COMERFORD	MARTIN GUIDAR	JOHN HAUGHNEY
31-Oct-24	ALAN OWENS	DANIEL FITZPATRICK	FRANK DOWLING
07-Nov-24	TOM COMERFORD	MARTIN GUIDAR	JOHN HAUGHNEY
14-Nov-24	ALAN OWENS	DANIEL FITZPATRICK	FRANK DOWLING
21-Nov-24	TOM COMERFORD	MARTIN GUIDAR	JOHN HAUGHNEY
28-Nov-24	ALAN OWENS	DANIEL FITZPATRICK	FRANK DOWLING
05-Dec-24	TOM COMERFORD	MARTIN GUIDAR	JOHN HAUGHNEY
12-Dec-24	ALAN OWENS	DANIEL FITZPATRICK	FRANK DOWLING
19-Dec-24	TOM COMERFORD	MARTIN GUIDAR	JOHN HAUGHNEY
26-Dec-24	ALAN OWENS	DANIEL FITZPATRICK	FRANK DOWLING
02-Jan-25	TOM COMERFORD	MARTIN GUIDAR	JOHN HAUGHNEY
09-Jan-25	ALAN OWENS	DANIEL FITZPATRICK	FRANK DOWLING
16-Jan-25	TOM COMERFORD	MARTIN GUIDAR	JOHN HAUGHNEY
23-Jan-25	ALAN OWENS	DANIEL FITZPATRICK	FRANK DOWLING
30-Jan-25	TOM COMERFORD	MARTIN GUIDAR	JOHN HAUGHNEY
06-Feb-25	ALAN OWENS	DANIEL FITZPATRICK	FRANK DOWLING
13-Feb-25	TOM COMERFORD	MARTIN GUIDAR	JOHN HAUGHNEY
20-Feb-25	ALAN OWENS	DANIEL FITZPATRICK	FRANK DOWLING
27-Feb-25	TOM COMERFORD	MARTIN GUIDAR	JOHN HAUGHNEY
06-Mar-25	ALAN OWENS	DANIEL FITZPATRICK	FRANK DOWLING
13-Mar-25	TOM COMERFORD	MARTIN GUIDAR	JOHN HAUGHNEY
20-Mar-25	ALAN OWENS	DANIEL FITZPATRICK	FRANK DOWLING
27-Mar-25	TOM COMERFORD	MARTIN GUIDAR	JOHN HAUGHNEY
03-Apr-25	ALAN OWENS	DANIEL FITZPATRICK	FRANK DOWLING
10-Apr-25	TOM COMERFORD	MARTIN GUIDAR	JOHN HAUGHNEY
17-Apr-25	ALAN OWENS	DANIEL FITZPATRICK	FRANK DOWLING
24-Apr-25	TOM COMERFORD	MARTIN GUIDAR	JOHN HAUGHNEY
01-May-25	ALAN OWENS	DANIEL FITZPATRICK	FRANK DOWLING

PLEASE ENSURE THAT ALL OPERATIVES ARRANGE COVER WHEN UNAVAILABLE

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A8 Contact Details

- Winter Services Manager Pat Harrington
- Duty Engineer(s) Pat Harrington
Ray Wickham
Orla Barrett
Lilly Slye
Cian Madden
- M9 Motorway Egis Lagan
- Motorway Traffic Control Centre 0820 714100
- Winter Services Supervisor(s) Henry Nolan
- Vehicle Maintenance Spruhan's
- Gritter Maintenance Romaquip
- Drivers Colm Brennan
John Haughney
Tom Comerford
Frank Dowling
Daniel Fitzpatrick
Alan Owens
Martin Guidrea
- Duty Forecaster Met Éireann
- NSMS Coordinator for Carlow Ray Wickham
- Software Support Vaisala
- Carlow Garda Station(s) Carlow, Tullow & Bagenalstown
- Adjoining Local Authority Winter Service Managers & Duty Engineers (As per Appendix 3)
- Ambulance 999 or 112
- Fire Department 999 or 112
- Carlow County Council Mon/Fri, 9am/5pm 059 9170300
Out of Hours 2090 500 333

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A9 Decision Matrix (Priority 1)

Road Surface Temperature	Precipitation	Predicted Road Conditions		
		Wet	Wet Patches	Dry
May fall below 1°C	No rain No hoar frost No fog	Salt before frost	Salt before frost (see note a)	No action likely, monitor weather (see note a)
Expected to fall below 1°C	No rain No hoar frost No fog		Salt before frost (see note b)	
	Expected hoar frost Expected fog			
	Expected rain before freezing	Salt after rain stops (see note c)		
	Expected rain during freezing	Salt before frost, as required during rain and after rain stops (see note d)		
	Possible rain Possible hoar frost Possible fog	Salt before frost	Monitor weather conditions	
Expected Snow	Salt before snow fall			
<p>The decision to undertake precautionary treatments should be, if appropriate, adjusted to take account of residual salt or surface moisture.</p> <p>All decisions should be evidence based, recorded and require careful monitoring and review.</p>				

Notes:

- (a) Particular attention should be given to the possibility of water running across carriageways and other running surfaces e.g. surface water off adjacent fields after heavy rains, washing off salt previously deposited. Such locations should be closely monitored and may require treating in the evening and morning and possible other occasions. Ideally the source of the run-off should be diverted from the roadway.
- (b) When a weather warning contains reference to expected hoar frost, considerable deposits of frost can occur. Hoar frost usually occurs in the early morning and is difficult to cater for because of the probability that any salt deposited on a dry road too soon before its onset, may be dispersed before it can become effective. Careful monitoring is required under this forecast condition which should ideally be treated just as the hoar frost is forming. Such action is usually not practicable, and salt may have to be deposited on a dry road prior to but as close as possible to the expected

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time of the condition. Hoar frost may also be forecast at other times of the day, in which case the timing of salting operations should be adjusted accordingly.

- (c) If under these conditions, rain has not ceased by early morning, crews should be called out and action initiated as rain ceases.
- (d) Under these circumstances rain will freeze on contact with running surfaces and full precautionary treatment should be provided even on dry roads. This is a most serious condition and should be monitored closely and carefully throughout the danger period.

A9.1 Decision Matrix (Priority 2)

Treatment will only occur when there is;

- predicted prolonged snow fall that will accumulate, or
- to a limited extent when specifically identified widespread ice formation as forecast at two or more TII weather stations.

There is no guarantee that these routes will be treated.

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A10 Treatment Matrix

Treatment Matrix Guide for Dry Unmodified Salt as follows:

Weather Conditions Road Surface Conditions Road Surface Temperature (RST)	Treatment Air Temperature	Salt Spread Rate (gm/m ²)	Ploughing
Frost or forecast frost RST at or above -2°C		10 Also refer to Note (b)	No
Frost or forecast frost RST below -2°C and above -5°C		20	No
Frost or forecast frost RST below -5°C and above -10°C and dry or damp road conditions		20	No
Frost or forecast frost RST below -5°C and above -10°C and wet road conditions (existing or anticipated)		2 runs X 20	No
Light snow forecast (<10mm)		20	No
Forecast for Medium/heavy snow or a freezing rain forecast		2 runs X 20	No
Ice formed	Above -5°C	20	Not possible
Ice formed	At or below -5°C	2 runs X 20	Not possible
Snow covering exceeding 30mm		20 to supplement ploughing, up to 40 if temperatures are falling	Required
Snow accumulations due to prolonged falls		20 to 40 to supplement ploughing	Required
Hard packed snow/ice	Above -8°C	Successive treatments at 20 to 40 (repeat as needed)	Not possible
Hard packed snow/ice	At or below -8°C	Successive treatments at 20 to 40, supplemented by abrasives (repeat as needed)	Not possible

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Weather Conditions Road Surface Conditions Road Surface Temperature (RST)	Treatment Air Temperature	Salt Spread Rate (gm/m ²)	Ploughing
Sustained low temperatures	Below -10°C		

Notes:

- (a) Rate of spread for precautionary treatments may be adjusted to take account of variations occurring along the route such as residual salt, surface moisture (in the air or on the road surface) and traffic density.
- (b) For salt stored outside, it may be necessary to increase the spread rate for precautionary treatment salting from 10gm/m² to 15-20gm/m².
- (c) All decisions should be forecast based, recorded and require careful monitoring and review.
- (d) Ice refers to all ice on the road surface, including black ice.

A10.1 Treatment Matrix (Priority 2 Routes)

Treatment of Priority 2 routes will be undertaken by Local Authority, assisted by contractors procured under the plant hire framework policy. Routes that are to be treated by LA vehicles will operate within the terms of the treatment matrix outlined for Priority 1 routes. In the case of those routes treated by contractors, the vehicles available will not be similar type spreading equipment as operated by the Local Authority and as such will not have the computer aided spreading controls. The treatment matrix on priority 2 routes will in so far as possibly aim to achieve that set out in the treatment matrix for priority 1 routes.

A11 Plant, Vehicles and Equipment

Carlow Co. Co. operate 3 Lorries, 2 Permanent and 1 demountable, with 1 demountable in reserve and 5 no. snowploughs to deliver the winter service.

Lorry Reg	Depot Location	Gritter Description	Gritter Capacity	Gritter Calibrated	Gritter Serviced	Snow-plough
132-KE-838	Kernanstown	Permanent	9m ³	Oct 2024	Oct 2024	Yes
132-KE-844	Kernanstown	Permanent	9m ³	Oct 2024	Oct 2024	Yes
06-KE-16578	Kernanstown	Demountable	6m ³	Oct 2024	Oct 2024	Yes
04-CW-2997	Kernanstown	Demountable	6m ³	Oct 2024	Oct 2024	Yes

DIRECT LINES: CODE 059

Carlow MD Area Engineer	9136272	Information Technology	9136215	Fire Service & Building Control	9131144
Planning	9170346	Housing	9136296	County Museum	9131554
Human Resources	9170314	Waste & Environment	9136231	Rent Payments	9172497
Muinebhseag MD Area Engineer	9172415	Rates	9172489	Recreation & Amenity	9170377
Local Enterprise Office	9129783	County Library	9129705	Arts	9136203
Register of Electors	9170313	Community	9136204	Motor Taxation	9170342
Roads / Transportation	9170379	Loan Payments	9172491		



A11.1 Supplementary Resources

Carlow Co. Co. plant hire framework has identified a number of private hire contractors that have various “agricultural type” spreaders for use in extreme emergency weather situations. These will be procured for Priority 1 & 2 routes under the plant hire framework for Carlow Co. Co. should the need arise.

A12 Details of Salt & Storage Depots

Carlow County Council are assigned an allocation of salt by the TII (formally NRA) for use on National Roads and a further allocation by the Department of Transport for use on the Non-National roads. The suppliers of salt have been chosen on the basis of a framework competition. The Duty Engineer/NSMS Coordinator is responsible for ordering the salt from the suppliers, coordinating the deliveries and reporting salt usage on a weekly basis to the National Salt Management System. Depots available for salt storage are:

Map Ref.	Salt Depots	Routes Serviced	Indoor or Outdoor	Max Capacity
No 1	Kernanstown	Priority 1	Indoor	250
No 2	Powerstown	Priority 1	Indoor	560
TOTALS				810

A13 Fuel, Materials and Spares

Fuel card have been issued to trucks, Donkey Engines filled at machinery depot, supervisor responsible for ordering and maintaining supply.

Spruhan’s, Bagenalstown hold (routine) spares for vehicles, with spare parts for gritters held by Romaquip, Birr, Co. Offaly.

DIRECT LINES: CODE 059





A14 Footpaths

The County Council will seek to ensure, as far as reasonably practicable, the prevention of snow accumulation on public footpaths. However, due to the length of the footpath network in County Carlow, it is not feasible to treat all footpaths in the county. Accordingly, a form of prioritisation is necessary and in the event of snow, locations will be prioritised by the local area offices as follows:

- Priority location to be treated when snow is present are defined as public areas located adjacent to educational facilities, financial institutions, hospitals, pedestrian crossings, court house, civic buildings, places of worship and transport hubs.
- Grit will be provided at locations listed in Appendix 1 which may be used on footpaths

Business and Residential owners are requested to keep area in front of premises clear of snow.

DIRECT LINES: CODE 059

Carlow MD Area Engineer	9136272	Information Technology	9136215	Fire Service & Building Control	9131144
Planning	9170346	Housing	9136296	County Museum	9131554
Human Resources	9170314	Waste & Environment	9136231	Rent Payments	9172497
Muinebhseag MD Area Engineer	9172415	Rates	9172489	Recreation & Amenity	9170377
Local Enterprise Office	9129783	County Library	9129705	Arts	9136203
Register of Electors	9170313	Community	9136204	Motor Taxation	9170342
Roads / Transportation	9170379	Loan Payments	9172491		





Appendix 1

Overall Map of the Service Plan Area Priority Routes

DIRECT LINES: CODE 059

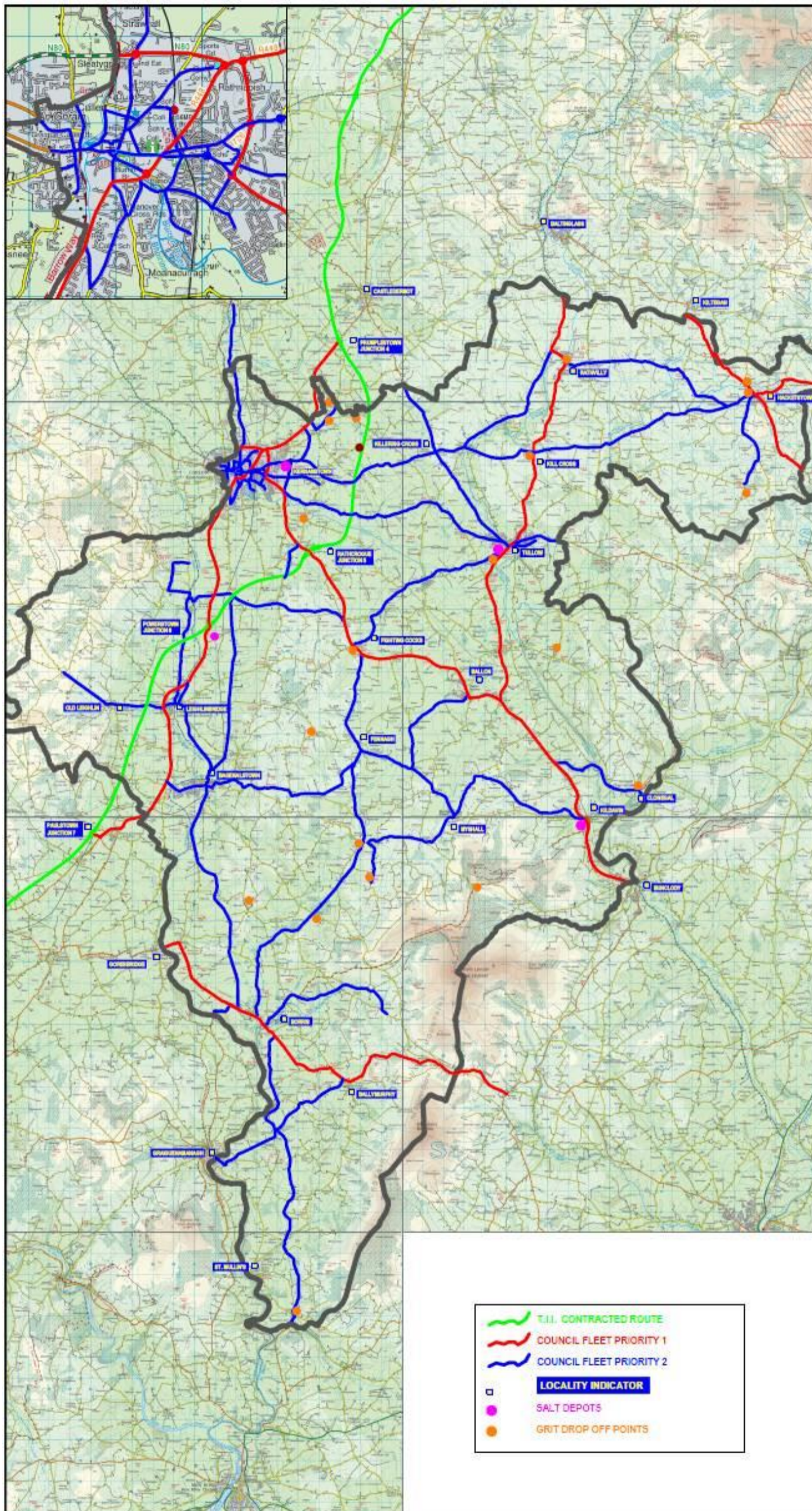
Carlow MD Area Engineer 9136272
Planning 9170346
Human Resources 9170314
Muinebheag MD Area Engineer 9172415
Local Enterprise Office 9129783
Register of Electors 9170313
Roads / Transportation 9170379

Information Technology
Housing
Waste & Environment
Rates
County Library
Community
Loan Payments

9136215
9136296
9136231
9172489
9129705
9136204
9172491

Fire Service & Building Control 9131144
County Museum 9131554
Rent Payments 9172497
Recreation & Amenity 9170377
Arts 9136203
Motor Taxation 9170342





NOTES

- The drawing is the property of Carlow County Council. It is a confidential document and must not be copied, used, or its content divulged without prior written consent.
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Author	JD
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Date	17-10-2022
Amendment / Issue	1

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Carlow Local Authorities, A CPO Accredited Company

Project:

Title:
CARLOW COUNTY COUNCIL
WINTER MAINTENANCE
SERVICE PLAN 2022-2023

Drawn by:	J.M.	Job No:	WINTER MAINTENANCE 22-23
Checked by:	J.W.	Drawn by:	
Approved by:	P.O.G.	Job No:	
Scale:	1:1250	Sheet:	A3
Date:	17-10-2022		

DIRECT LINES: CODE 059

Carlow MD Area Engineer 9136272
Planning 9170346
Human Resources 9170314
Muinebhég MD Area Engineer 9172415
Local Enterprise Office 9129783
Register of Electors 9170313
Roads / Transportation 9170379

Information Technology 9136215
Housing 9136296
Waste & Environment 9136231
Rates 9172489
County Library 9129705
Community 9136204
Loan Payments 9172491

9131144
9131554
9172497
9170377
9136203
9170342

Fire Service & Building Control 9131144
County Museum 9131554
Rent Payments 9172497
Recreation & Amenity 9170377
Arts 9136203
Motor Taxation 9170342

Appendix 2

Treatment Route Cards

DIRECT LINES: CODE 059

Carlow MD Area Engineer 9136272
Planning 9170346
Human Resources 9170314
Muinebhég MD Area Engineer 9172415
Local Enterprise Office 9129783
Register of Electors 9170313
Roads / Transportation 9170379

Information Technology 9136215
Housing 9136296
Waste & Environment 9136231
Rates 9172489
County Library 9129705
Community 9136204
Loan Payments 9172491

Fire Service & Building Control 9131144
County Museum 9131554
Rent Payments 9172497
Recreation & Amenity 9170377
Arts 9136203
Motor Taxation 9170342



Driver 1 - P1 Route (9 tonne capacity)

Routes treated by Carlow Co. Co., including Section 85 Agreements with neighbouring Local Authorities

Road Number	Action (Travel / Salt)	Start	End	Distance Travelled (km)	Salting Distance (km)	Average spread width (m)	Area Treated (m2)	10g Treatment (Ton)	20g Treatment (Ton)	40g Treatment (Ton)	Travel Time @ 50km/hr (minutes)
R726	Travel	Machinery Yard	Hacketstown Road Roundabout	1.20							1.4
N80	Salt	Hacketstown Road Roundabout Circling all roundabouts	William Duggan Bridge, Laois Co Bounds	2.40	2.40	8.00	19,200	0.19	0.38	0.77	2.9
N80	Travel	William Duggan Bridge	Dr Cullen Road Roundabout	2.40							2.9
N80	Salt	Dr Cullen Road Roundabout	Deerpark Roundabout	0.20	0.20	8.00	1,600	0.02	0.03	0.06	0.2
R448	Salt	Deerpark Roundabout	M9 (J4) Prumplestown, Kildare (Section 85)	6.90	6.90	8.00	55,200	0.55	1.10	2.21	8.3
N80/R448	Travel	M9 (J4) Roundabouts, Prumplestown	Hacketstown Road Roundabout	7.70							9.2
Re-Load											
N80	Salt	Hacketstown Road Roundabout Circling all roundabouts	Bunclody, Wexford Co. Bounds	32.00	32.00	8.00	256,000	2.56	5.12	10.24	38.4
N80	Travel	Bunclody, Wexford Co. Bounds	Machinery Yard	33.20							39.8
				86.00	41.50			3.32	6.64	13.28	103.2

National Road Treated (km)		34.60
National Road - 10g Treatment (Ton)		2.77
National Road - 20g Treatment (Ton)		5.54
National Road - 40g Treatment (Ton)		11.07

Non-National Road Treated (km)		6.90
Non-National Road - 10g Treatment (Ton)		0.55
Non-National Road - 20g Treatment (Ton)		1.10
Non-National Road - 40g Treatment (Ton)		2.21

Route Efficiency (%) = 48

DIRECT LINES: CODE 059

Carlow MD Area Engineer	9136272	Information Technology	9136215	Fire Service & Building Control	9131144
Planning	9170346	Housing	9136296	County Museum	9131554
Human Resources	9170314	Waste & Environment	9136231	Rent Payments	9172497
Muinebhag MD Area Engineer	9172415	Rates	9172489	Recreation & Amenity	9170377
Local Enterprise Office	9129783	County Library	9129705	Arts	9136203
Register of Electors	9170313	Community	9136204	Motor Taxation	9170342
Roads / Transportation	9170379	Loan Payments	9172491		

Driver 1 - P1&P2 Route (9 tonne capacity)

Routes treated by Carlow Co. Co., including Section 85 Agreements with neighbouring Local Authorities

Road Number	Action (Travel / Salt)	Start	End	Distance Travelled (km)	Salting Distance (km)	Average spread width (m)	Area Treated (m2)	10g Treatment (Ton)	20g Treatment (Ton)	40g Treatment (Ton)	Travel Time @ 50km/hr (minutes)
R726	Travel	Machinery Yard	Hacketstown Road Roundabout	1.20							1.4
N80	Salt	Hacketstown Road Roundabout Circling all roundabouts	William Duggan Bridge, Laois Co Bounds	2.40	2.40	8.00	19,200	0.19	0.38	0.77	2.9
N80	Travel	William Duggan Bridge	Dr Cullen Road Roundabout	2.40							2.9
N80	Salt	Dr Cullen Road Roundabout Circling all roundabouts	Deerpark Roundabout	0.20	0.20	8.00	1,600	0.02	0.03	0.06	0.2
R448	Salt	Deerpark Roundabout	M9 (J4) Prumplestown, Kildare (Section 85)	6.90	6.90	8.00	55,200	0.55	1.10	2.21	8.3
N80/R448	Travel	M9 (J4) Roundabouts, Prumplestown	Hacketstown Road Roundabout	7.70							9.2
									Re-Load	Re-Load	
N80	Salt	Hacketstown Road Roundabout Circling all roundabouts	Bunclody, Wexford Co. Bounds	32.00	32.00	8.00	256,000	2.56	5.12	10.24	38.4
N80/M9/R448	Travel	Bunclody, Wexford Co. Bounds	Royal Oak Vis Powerstown	40.40							48.5
										Re-Load	
R724	Salt	Royal Oak via Fenagh & Myshall	Kildavin	25.60	25.60	6.00	153,600	1.54	3.07	6.14	30.7
N80/R726	Travel	Kildavin	Machinery Yard	26.50							31.8
				145.30	67.10			4.86	9.71	19.42	174.4

National Road Treated (km)	34.60
National Road - 10g Treatment (Ton)	2.77
National Road - 20g Treatment (Ton)	5.54
National Road - 40g Treatment (Ton)	11.07

Non-National Road Treated (km)	32.50
Non-National Road - 10g Treatment (Ton)	2.09
Non-National Road - 20g Treatment (Ton)	4.18
Non-National Road - 40g Treatment (Ton)	8.35

Route Efficiency (%) = 46

DIRECT LINES: CODE 059

Carlow MD Area Engineer	9136272	Information Technology	9136215	Fire Service & Building Control	9131144
Planning	9170346	Housing	9136296	County Museum	9131554
Human Resources	9170314	Waste & Environment	9136231	Rent Payments	9172497
Muinebhag MD Area Engineer	9172415	Rates	9172489	Recreation & Amenity	9170377
Local Enterprise Office	9129783	County Library	9129705	Arts	9136203
Register of Electors	9170313	Community	9136204	Motor Taxation	9170342
Roads / Transportation	9170379	Loan Payments	9172491		

Driver 2 - P1 Route (9 tonne capacity)

Routes treated by Carlow Co. Co., including Section 85 Agreements with neighbouring Local Authorities

Road Number	Action (Travel / Salt)	Start	End	Distance Travelled (km)	Salting Distance (km)	Average spread width (m)	Area Treated (m2)	10g Treatment (Ton)	20g Treatment (Ton)	40g Treatment (Ton)	Travel Time @ 50km/hr (minutes)
R726/N80	Travel	Machinery Yard	Hacketstown Road Roundabout, onward to Closh X	19.90							23.9
N81	Salt	Closh X	Yellowford Bridge @ Wicklow Co Bounds	21.80	21.80	8.00	174,400	1.74	3.49	6.98	26.2
N81/R747	Travel	Yellowford Bridge @ Wicklow Co Bounds	Kiltegan Bridge via Baltinglass	12.60							15.1
R747	Salt	Kiltegan Bridge	Ballinagilky Bridge	10.00	10.00	6.00	60,000	0.60	1.20	2.40	12.0
R747/R727	Travel	Ballinagilky Bridge	Machinery Yard via Hacketstown Village	29.13							35.0
				93.43	31.80			2.34	4.69	9.38	112.1

National Road Treated (km)		21.80
National Road - 10g Treatment (Ton)		1.74
National Road - 20g Treatment (Ton)		3.49
National Road - 40g Treatment (Ton)		6.98

Non-National Road Treated (km)		10.00
Non-National Road - 10g Treatment (Ton)		0.60
Non-National Road - 20g Treatment (Ton)		1.20
Non-National Road - 40g Treatment (Ton)		2.40

Route Efficiency (%) = 34

DIRECT LINES: CODE 059

Carlow MD Area Engineer	9136272	Information Technology	9136215	Fire Service & Building Control	9131144
Planning	9170346	Housing	9136296	County Museum	9131554
Human Resources	9170314	Waste & Environment	9136231	Rent Payments	9172497
Muinebhag MD Area Engineer	9172415	Rates	9172489	Recreation & Amenity	9170377
Local Enterprise Office	9129783	County Library	9129705	Arts	9136203
Register of Electors	9170313	Community	9136204	Motor Taxation	9170342
Roads / Transportation	9170379	Loan Payments	9172491		

Driver 2 - P1&P2 Route (9 tonne capacity)

Routes treated by Carlow Co. Co., including Section 85 Agreements with neighbouring Local Authorities

Road Number	Action (Travel / Salt)	Start	End	Distance Travelled (km)	Salting Distance (km)	Average spread width (m)	Area Treated (m2)	10g Treatment (Ton)	20g Treatment (Ton)	40g Treatment (Ton)	Travel Time @ 50km/hr (minutes)
R726/N80	Travel	Machinery Yard	Hacketstown Road Roundabout, onward to Closh X	19.90							23.9
N81	Salt	Closh X	Yellowford Bridge @ Wicklow Co Bounds	21.80	21.80	8.00	174,400	1.74	3.49	6.98	26.2
N81/R747	Travel	Yellowford Bridge @ Wicklow Co Bounds	Kiltegan Bridge via Baltinglass	12.60							15.1
R747	Salt	Kiltegan Bridge	Ballinagilky Bridge	10.00	10.00	6.00	60,000	0.60	1.20	2.40	12.0
R747	Travel	Ballinagilky Bridge	Hacketstown Village	4.50							5.4
										Re-Load	
R727	Salt	Hacketstown Village	Straboe Cross	15.00	15.00	6.00	90,000	0.90	1.80	3.60	18.0
R727/R725	Salt	Straboe Cross	Tullow Rd Roundabout via Shamrock Square	12.30	11.40	6.00	68,400	0.68	1.37	2.74	14.8
										Re-Load	Re-Load
R727/N80	Travel	Tullow Rd Roundabout	Walls Fogue Roundabout	6.70							8.0
R725	Salt	Walls Fogue Roundabout	Knockloe Bridge Via Tullow	14.80	14.80	6.00	88,800	0.89	1.78	3.55	17.8
R725	Travel	Knockloe Bridge Via Tullow	Tullowbeg Roundabout	3.40							4.1
R725	Salt	Tullowbeg Roundabout	Killamaster @ Kildare Co Bounds	9.00	9.00	6.00	54,000	0.54	1.08	2.16	10.8
R725/R448/N80/R726	Travel	Killamaster @ Kildare Co Bounds	Machinery Yard	15.40							18.5
				145.40	82.00			5.36	10.71	21.42	174.5

National Road Treated (km)	21.80
National Road - 10g Treatment (Ton)	1.74
National Road - 20g Treatment (Ton)	3.49
National Road - 40g Treatment (Ton)	6.98

Non-National Road Treated (km)	61.10
Non-National Road - 10g Treatment (Ton)	3.61
Non-National Road - 20g Treatment (Ton)	7.22
Non-National Road - 40g Treatment (Ton)	14.45

Route Efficiency (%) = 56

DIRECT LINES: CODE 059

Carlow MD Area Engineer	9136272	Information Technology	9136215	Fire Service & Building Control	9131144
Planning	9170346	Housing	9136296	County Museum	9131554
Human Resources	9170314	Waste & Environment	9136231	Rent Payments	9172497
Muinebhag MD Area Engineer	9172415	Rates	9172489	Recreation & Amenity	9170377
Local Enterprise Office	9129783	County Library	9129705	Arts	9136203
Register of Electors	9170313	Community	9136204	Motor Taxation	9170342
Roads / Transportation	9170379	Loan Payments	9172491		

Driver 3 - P1 (8 tonne capacity)

Routes treated by Carlow Co. Co., including Section 85 Agreements with neighbouring Local Authorities

Road Number	Action (Travel / Salt)	Start	End	Distance Travelled (km)	Salting Distance (km)	Average spread width (m)	Area Treated (m2)	10g Treatment (Ton)	20g Treatment (Ton)	40g Treatment (Ton)	Travel Time @ 50km/hr (minutes)
R726/N80	Travel	Machinery Yard	Deerpark Roundabout, via Hacketstown Road Roundabout	2.10							2.5
R448	Salt	Deerpark Roundabout	Paulstown, Kilkenny (Section 85)	21.80	21.80	8.00	174,400	1.74	3.49	6.98	26.2
										Re-Load	
R448	Travel	Paulstown	Goresbridge, Via Gowran	12.00							14.4
R702	Salt	Goresbridge	Kiltealy Village, Wexford (Section 85)	21.30	21.30	6.00	127,800	1.28	2.56	5.11	25.6
R702/R705/R448/R726	Travel	Kiltealy Village, Wexford	Machinery Yard, Via Borris & Muinebheag	48.50							58.2
				105.70	43.10			3.02	6.04	12.09	126.8

National Road Treated (km)		0.00
National Road - 10g Treatment (Ton)		0.00
National Road - 20g Treatment (Ton)		0.00
National Road - 40g Treatment (Ton)		0.00

Non-National Road Treated (km)		43.10
Non-National Road - 10g Treatment (Ton)		3.02
Non-National Road - 20g Treatment (Ton)		6.04
Non-National Road - 40g Treatment (Ton)		12.09

Route Efficiency (%) = 41

DIRECT LINES: CODE 059

Carlow MD Area Engineer	9136272	Information Technology	9136215	Fire Service & Building Control	9131144
Planning	9170346	Housing	9136296	County Museum	9131554
Human Resources	9170314	Waste & Environment	9136231	Rent Payments	9172497
Muinebheag MD Area Engineer	9172415	Rates	9172489	Recreation & Amenity	9170377
Local Enterprise Office	9129783	County Library	9129705	Arts	9136203
Register of Electors	9170313	Community	9136204	Motor Taxation	9170342
Roads / Transportation	9170379	Loan Payments	9172491		

Driver 3 - P1&P2 Route (8 tonne capacity)

Routes treated by Carlow Co. Co., including Section 85 Agreements with neighbouring Local Authorities

Road Number	Action (Travel / Salt)	Start	End	Distance Travelled (km)	Salting Distance (km)	Average spread width (m)	Area Treated (m ²)	10g Treatment (Ton)	20g Treatment (Ton)	40g Treatment (Ton)	Travel Time @ 50km/hr (minutes)
R726/N80	Travel	Machinery Yard	Deerpark Roundabout, via Hacketstown Road Roundabout	2.10							2.5
R448	Salt	Deerpark Roundabout	Paulstown, Kilkenny (Section 85)	21.80	21.80	8.00	174,400	1.74	3.49	6.98	26.2
									Re-Load	Re-Load	
R448	Travel	Paulstown	High Kings Monument, Leighlinbridge	9.00							10.8
R705	Salt	High Kings Monument, Leighlinbridge	Ballytiglea Bridge	19.20	19.20	6.00	115,200	1.15	2.30	4.61	23.0
										Re-Load	
R705/R702	Travel	Ballytiglea Bridge	Goresbridge	6.30							7.6
R702	Salt	Goresbridge	Kiltealy Village, Wexford (Section 85)	21.30	21.30	6.00	127,800	1.28	2.56	5.11	25.6
R702	Travel	Kiltealy Village, Wexford	Ballymurphy Village	8.50							10.2
R702/R703	Salt	Ballymurphy Village	Tinnahinch	8.10	8.10	6.00	48,600	0.49	0.97	1.94	9.7
										Re-Load	
R703/R729	Travel	Tinnahinch	Poulmounty Bridge, Wexford Co. Bounds	14.20							17.0
R729	Salt	Poulmounty Bridge, Wexford Co. Bounds	Borris Graveyard	15.70	15.70	6.00	94,200	0.94	1.88	3.77	18.8
R702/R705/R448/R726	Travel	Borris Graveyard	Machinery Yard	36.00							43.2
				162.20	86.10			5.60	11.20	22.41	194.6

National Road Treated (km)		0.00
National Road - 10g Treatment (Ton)		0.00
National Road - 20g Treatment (Ton)		0.00
National Road - 40g Treatment (Ton)		0.00

Non-National Road Treated (km)		86.10
Non-National Road - 10g Treatment (Ton)		5.60
Non-National Road - 20g Treatment (Ton)		11.20
Non-National Road - 40g Treatment (Ton)		22.41

Route Efficiency (%) = 53

DIRECT LINES: CODE 059

Carlow MD Area Engineer	9136272	Information Technology	9136215	Fire Service & Building Control	9131144
Planning	9170346	Housing	9136296	County Museum	9131554
Human Resources	9170314	Waste & Environment	9136231	Rent Payments	9172497
Muinebhag MD Area Engineer	9172415	Rates	9172489	Recreation & Amenity	9170377
Local Enterprise Office	9129783	County Library	9129705	Arts	9136203
Register of Electors	9170313	Community	9136204	Motor Taxation	9170342
Roads / Transportation	9170379	Loan Payments	9172491		

Driver 4 - P2 Route (8 tonne capacity)

Routes treated by contract, supplementing Carlow Co. Co's fleet

Road Number	Action (Travel / Salt)	Start	End	Distance Travelled (km)	Salting Distance (km)	Average spread width (m)	Area Treated (m2)	10g Treatment (Ton)	20g Treatment (Ton)	40g Treatment (Ton)	Travel Time @ 50km/hr (minutes)
R417	Salt	Granby Row Junction	"Three Counties Pub", Maganey	8.80	8.80	6.00	52,800	0.53	1.06	2.11	17.6
R430	Salt	Kennedy Ave	Mt Clare Court, Killeshin	1.20	1.20	6.00	7,200	0.07	0.14	0.29	2.4
R924	Salt	Graigecullen (Traffic lights)	Portlaois Rd (Aldi)	0.70	0.70	6.00	4,200	0.04	0.08	0.17	1.4
R736/L4021	Salt	Tullow St	Castle St	0.60	0.60	6.00	3,600	0.04	0.07	0.14	1.2
L4025	Salt	Collage St		0.30	0.30	6.00	1,800	0.02	0.04	0.07	0.6
L4000	Salt	Graigecullen (Traffic lights)	Leighlin Rd (Moorings Holiday Homes)	0.60	0.60	6.00	3,600	0.04	0.07	0.14	1.2
L4003	Salt	Maryborough St	Co. Bounds @ Graigecullen GAA	0.60	0.60	6.00	3,600	0.04	0.07	0.14	1.2
L8022	Salt	The Numbers	Co. Bounds @ Fr Byme Park	0.20	0.20	6.00	1,200	0.01	0.02	0.05	0.4
L4056/L4035	Salt	Hanove Junction, <i>circuling all roundabouts</i>	Tullow Rd Roundabout, via Eire Og Roundabout	2.00	2.00	6.00	12,000	0.12	0.24	0.48	4.0
											0.0
L4005	Salt	Centure St		0.40	0.40	6.00	2,400	0.02	0.05	0.10	0.8
R888/L4031	Salt	Green Bank Rd	Dr Cullen Rd Roundabout, via Old Dublin Rd	1.60	1.60	6.00	9,600	0.10	0.19	0.38	3.2
L4012	Salt	St Josephs Rd		0.60	0.60	6.00	3,600	0.04	0.07	0.14	1.2
L8003	Salt	McGounagh Rd		0.20	0.20	6.00	1,200	0.01	0.02	0.05	0.4
L8001	Salt	Accomidation Rd		0.10	0.10	6.00	600	0.01	0.01	0.02	0.2
L8002	Salt	Bridge St		0.10	0.10	6.00	600	0.01	0.01	0.02	0.2
L40550	Salt	Fair Green Rd		0.50	0.50	6.00	3,000	0.03	0.06	0.12	1.0
L4017	Salt	Burrin Rd		0.60	0.60	6.00	3,600	0.04	0.07	0.14	1.2
L8093	Salt	Ashgrove		0.50	0.50	6.00	3,000	0.03	0.06	0.12	1.0
L4037	Salt	Askea	Pollerton Rd	0.50	0.50	6.00	3,000	0.03	0.06	0.12	1.0
L4036	Salt	St Patrick's Ave	Clayton Hall	0.10	0.10	6.00	600	0.01	0.01	0.02	0.2
L4008	Salt	Hanover Rd	Green Rd Roundabouts	0.50	0.50	6.00	3,000	0.03	0.06	0.12	1.0
L4008	Salt	Green Rd Roundabouts	Granby Row Junction	0.40	0.40	6.00	2,400	0.02	0.05	0.10	0.8
L4019/L4020	Salt	Munnellys Junction	Green Road Roundabouts, via Bullock Pk	1.50	1.50	6.00	9,000	0.09	0.18	0.36	3.0
L4016/L1027	Salt	Brownhill Rd	Palatine GAA	2.70	2.70	6.00	16,200	0.16	0.32	0.65	5.4

DIRECT LINES: CODE 059

Carlow MD Area Engineer 9136272
Planning 9170346
Human Resources 9170314
Muinebhag MD Area Engineer 9172415
Local Enterprise Office 9129783
Register of Electors 9170313
Roads / Transportation 9170379

Information Technology 9136215
Housing 9136296
Waste & Environment 9136231
Rates 9172489
County Library 9129705
Community 9136204
Loan Payments 9172491

Fire Service & Building Control 9131144
County Museum 9131554
Rent Payments 9172497
Recreation & Amenity 9170377
Arts 9136203
Motor Taxation 9170342

L1026	Salt	Walle's Forge Roundabout	Hacketstown Rd Junction	1.50	1.50	6.00	9,000	0.09	0.18	0.36	3.0
L4010	Salt	Hacketstown Rd	Deerpark Business Park, @ MSD	1.70	1.70	6.00	10,200	0.10	0.20	0.41	3.4
L8204	Salt	Green Acres	Ballylennon Cross	0.50	0.50	6.00	3,000	0.03	0.06	0.12	1.0
L4015	Salt	Ballylennon Cross	Gurteen Bridge	1.70	1.70	6.00	10,200	0.10	0.20	0.41	3.4
L1023	Salt	Tinryland	Bagenal Arm's Cross	0.70	0.70	6.00	4,200	0.04	0.08	0.17	1.4
L1003	Salt	Graiguenaspodogue Cross	Milford Cross	6.70	6.70	6.00	40,200	0.40	0.80	1.61	13.4
L1003	Salt	Milford Cross	Leighlin Rd, via Milford Bridges	1.40	1.40	6.00	8,400	0.08	0.17	0.34	2.8
L3039/L3041/ L3043/3042	Salt	Leighlin Rd	Clogrennan Lie, via ballinabrannagh & Raheendoran	3.50	3.50	6.00	21,000	0.21	0.42	0.84	7.0
R448/R726	Travel	Clogrennan Lie, via ballinabrannagh & Raheendoran	Machinery Yard	9.00							18.0
				52.00	43.00			2.58	5.16	10.32	104.0

National Road Treated (km)		0.00
National Road - 10g Treatment (Ton)		0.00
National Road - 20g Treatment (Ton)		0.00
National Road - 40g Treatment (Ton)		0.00

Non-National Road Treated (km)		43.00
Non-National Road - 10g Treatment (Ton)		2.58
Non-National Road - 20g Treatment (Ton)		5.16
Non-National Road - 40g Treatment (Ton)		10.32

Route Efficiency (%) = 83

DIRECT LINES: CODE 059

Carlow MD Area Engineer	9136272	Information Technology	9136215	Fire Service & Building Control	9131144
Planning	9170346	Housing	9136296	County Museum	9131554
Human Resources	9170314	Waste & Environment	9136231	Rent Payments	9172497
Muinebhag MD Area Engineer	9172415	Rates	9172489	Recreation & Amenity	9170377
Local Enterprise Office	9129783	County Library	9129705	Arts	9136203
Register of Electors	9170313	Community	9136204	Motor Taxation	9170342
Roads / Transportation	9170379	Loan Payments	9172491		

Driver 5 - P2 Route (8 tonne capacity)

Routes treated by contract, supplementing Carlow Co. Co's fleet

Road Number	Action (Travel / Salt)	Start	End	Distance Travelled (km)	Salting Distance (km)	Average spread width (m)	Area Treated (m2)	10g Treatment (Ton)	20g Treatment (Ton)	40g Treatment (Ton)	Travel Time @ 50km/hr (minutes)
R418/R726	Travel	Tullowbeg	Straboe Cross	6.40							12.8
R726	Salt	Straboe Cross	Cockoo Corner	6.80	6.80	6.00	40,800	0.41	0.82	1.63	13.6
N81	Travel	Cockoo Comer	Rathvilly Village	1.00							2.0
L2003	Salt	Rathvilly Village	Moat Cross	1.20	1.20	6.00	7,200	0.07	0.14	0.29	2.4
L2013	Salt	Moat Cross	Ballykillane Cross, via Tombeagh Cross	7.60	7.60	6.00	45,600	0.46	0.91	1.82	15.2
R727/N81	Travel	Ballykillane Cross	Tullow	12.30							24.6
L2030/L2038	Salt	Old Chapel Lane, New Chapple Lane, Shroughan & Tullow Hill		1.50	1.50	6.00	9,000	0.09	0.18	0.36	3.0
L1024/L3046/L2022	Salt	Templeowen	Fighting Cocks	9.30	9.30	6.00	55,800	0.56	1.12	2.23	18.6
N80	Travel	Fighting Cocks	Ballon Village	6.70							13.4
L2035/L3035/L2022	Salt	Ballon Village	Taylor's Cross	5.80	5.80	6.00	34,800	0.35	0.70	1.39	11.6
R448/R726	Travel	Taylor's Cross	Tullowbeg	16.10							32.2
				74.70	32.20			1.93	3.86	7.73	149.4

National Road Treated (km)		0.00
National Road - 10g Treatment (Ton)		0.00
National Road - 20g Treatment (Ton)		0.00
National Road - 40g Treatment (Ton)		0.00

Non-National Road Treated (km)		32.20
Non-National Road - 10g Treatment (Ton)		1.93
Non-National Road - 20g Treatment (Ton)		3.86
Non-National Road - 40g Treatment (Ton)		7.73

Route Efficiency (%) = 43

DIRECT LINES: CODE 059

Carlow MD Area Engineer	9136272	Information Technology	9136215	Fire Service & Building Control	9131144
Planning	9170346	Housing	9136296	County Museum	9131554
Human Resources	9170314	Waste & Environment	9136231	Rent Payments	9172497
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Register of Electors	9170313	Community	9136204	Motor Taxation	9170342
Roads / Transportation	9170379	Loan Payments	9172491		

Driver 6 - P2 Route (8 tonne capacity)

Routes treated by contract, supplementing Carlow Co. Co's fleet

Road Number	Action (Travel / Salt)	Start	End	Distance Travelled (km)	Salting Distance (km)	Average spread width (m)	Area Treated (m2)	10g Treatment (Ton)	20g Treatment (Ton)	40g Treatment (Ton)	Travel Time @ 50km/hr (minutes)
N80	Travel	Ballypierce	Kildavin Village	0.80							1.6
L611/L2028	Salt	Kildavin Village		1.00	1.00	6.00	6,000	0.06	0.12	0.24	2.0
N80	Travel	Kildavin Village	Allens' Cross	3.00							6.0
L2024	Salt	Allen's Cross	Clonegall Bridge	7.10	7.10	6.00	42,600	0.43	0.85	1.70	14.2
L2021/N80/R724	Travel	Clonegal Village	Myshall Village	18.50							37.0
L3033/L7005/ L7024	Salt	Myshall Village	Garryhill Cross, via Drumfea	7.10	7.10	6.00	42,600	0.43	0.85	1.70	14.2
L3003/L3002/ R724/R705	Travel	Garryhill Cross	Dunleckney,	10.00							20.0
L3044	Salt	Dunleckney	Clonmelsh Cross	8.20	7.10	6.00	42,600	0.43	0.85	1.70	16.4
L3044/L3046	Travel	Clonmelsh	Leighlin Rd @ Milford Bridge	2.20							4.4
L3044	Salt	Leighlin Rd @ Milford Bridge	Leighlinbridge Village	5.40	5.40	6.00	32,400	0.32	0.65	1.30	10.8
L3037	Salt	Leighlinbridge Village	The Ridge Cross, via Old Leighlin	6.30	6.30	6.00	37,800	0.38	0.76	1.51	12.6
L3037/R705/R724/N80	Travel	The Ridge Cross, via Old Leighlin	Ballypierce	34.70							69.4
				104.30	34.00			2.04	4.08	8.16	208.6

Driver 7 - P2 Route (8 tonne capacity)

Routes treated by contract, supplementing Carlow Co. Co's fleet

Road Number	Action (Travel / Salt)	Start	End	Distance Travelled (km)	Salting Distance (km)	Average spread width (m)	Area Treated (m2)	10g Treatment (Ton)	20g Treatment (Ton)	40g Treatment (Ton)	Travel Time @ 50km/hr (minutes)
N80/R724	Travel	Ballypierce	Fenagh Village	15.70							31.4
L3003	Salt	Fenagh Village	Borris Village	15.00	15.00	6.00	90,000	0.90	1.80	3.60	30.0
L3006	Salt	Borris Village	Rathanna Village	7.70	7.70	6.00	46,200	0.46	0.92	1.85	15.4
L3006/L3003/ R724/N80	Travel	Rathanna Village	Ballypierce	28.40							56.8
				66.80	22.70			1.36	2.72	5.45	133.6
				171.10	56.70						

National Road Treated (km)		0.00
National Road - 10g Treatment (Ton)		0.00
National Road - 20g Treatment (Ton)		0.00
National Road - 40g Treatment (Ton)		0.00

Non-National Road Treated (km)		56.70
Non-National Road - 10g Treatment (Ton)		3.40
Non-National Road - 20g Treatment (Ton)		6.80
Non-National Road - 40g Treatment (Ton)		13.61

Route Efficiency (%) = 33

DIRECT LINES: CODE 059

Carlow MD Area Engineer	9136272	Information Technology	9136215	Fire Service & Building Control	9131144
Planning	9170346	Housing	9136296	County Museum	9131554
Human Resources	9170314	Waste & Environment	9136231	Rent Payments	9172497
Muinebhag MD Area Engineer	9172415	Rates	9172489	Recreation & Amenities	9170377
Local Enterprise Office	9129783	County Library	9129705	Arts	9136203
Register of Electors	9170313	Community	9136204	Motor Taxation	9170342
Roads / Transportation	9170379	Loan Payments	9172491		



Priority 3: Grit Locations

To be distributed in advance of a forecasted severe weather event where there is a likelihood of prolonged snow accumulations.

Carlow Municipal District	Muinebheag Municipal District	Tullow Municipal District
Top of Palatine Hill	Newtown Village, Fenagh	Kill Cross (McGrarths Cross)
Meadowbank, Palatine	Garryhill Cross	Hacketstown Monument
Near End of long mile, palatine	Ballinree (Chip Depot)	Hacketstown Church hill
Staplestown Church Hill	Drumpea Carpark	Rathvilly Church
	Ballinkillin (GAA Carpark)	Tullow Industrial Estate
	Drummin (Chip Depot)	Clonmore Church
		Fighting Cocks
		Clonegall Ball Ally
		Carrol's Cross
		Ardattin Church

DIRECT LINES: CODE 059

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Arts 9136203
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Appendix 3

Duty Rosters for Neighbouring Local Authorities

Kildare County Council Duty Engineers Roster 2021/2022

AWAITING

Kilkenny County Council Duty Engineers Roster 2021/2022

AWAITING

Laois County Council Duty Engineers Roster 2021/2022

AWAITING

Wexford County Council Duty Engineers Roster 2021/2022

AWAITING

Wicklow County Council Duty Engineers Roster 2021/2022

AWAITING

DIRECT LINES: CODE 059

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Human Resources 9170314
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Fire Service & Building Control 9131144
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Rent Payments 9172497
Recreation & Amenity 9170377
Arts 9136203
Motor Taxation 9170342





Appendix 4

Duty Engineers Record Sheet

Duty Engineer :- _____

Date from :- _____ to _____

Date	Callout (Y/N)	Decision (P1&P2)	Start Time	Lowest Road Temp (Forecast)	Lowest Road Temp (Actual)	Comment (Frost, Ice, Snow)	Rate of Spread

Signed:- _____ Date:- _____

DIRECT LINES: CODE 059

Carlow MD Area Engineer 9136272
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