



Winter Service Plan

2024-2025

12/11/2024

Winter Service Plan 2024-2025

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Introduction

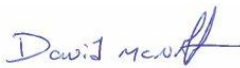
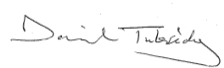

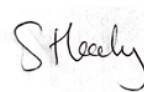
- Longford County Council is responsible for the maintenance of over 1600km of National, Regional and Local Roads throughout the County.
 - The term 'Winter Service' relates to those activities undertaken by Longford County Council to minimise the impact of frost, ice or snow on the travelling public. Winter service is not an emergency service in that low temperatures, frost, ice and snow are frequent and reasonably predictable occurrences.
 - This Winter Service Plan provides the framework for dealing with winter weather conditions on the roads and provides for a planned and co-ordinated response by Longford County Council.
The Plan takes cognisance of the guidance and best practices provided by the National Roads Authority (TII) in the Winter Service Manual current Winter Service Manual dated August 2022.
 - The Winter Service Period is usually from the middle of October to the middle of April.
 - A review and update of Winter Service Operations is undertaken each year before the start of the next Winter Season.
 - The objective of the winter maintenance programme is to provide so far as is reasonably practical for the safe movement of road users on the National Roads and other strategic routes identified during adverse weather conditions.
 - As it not feasible to treat all public thoroughfares, it is necessary to create a schedule of route prioritisation. Routes are designated a priority rating of between 1 and 3 based upon the road classification, the traffic volume carried, public transport usage etc and the importance of the route on a National, Regional or Local level.
 - Priority 1 Routes (National) and Priority 2 Routes Regional & some Local Roads are pre-salted. They receive precautionary treatment, where salt is spread following warnings of expected low temperatures, to reduce the likelihood of frost and ice forming on the road.
 - Priority 3 routes are post-salted as resources allow. This is a response-based service where routes are treated during normal working hours if they become impassable and where resources are available.
- Footpaths are not generally salted by Longford County Council. However, during prolonged periods of severe weather footpaths may be salted subject to available resources.

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A1 Document Control

Revision	Status	Revision Details	Date
A	Final	Minor Alterations to the Winter Service Plan 2024/2025	06 th Nov 2024

A2 Approval List

Role	Name	Signature	Date
Author	David McNiff, ASEE		14/10/24
Checker	David Tubridy, SE		21/11/24
Winter Service Manager	David McNiff, ASEE		14/10/24
Director of Services for Transportation	Samantha Healy, DOS		21/11/24

A3 Distribution List

Issued To	Organisation	Location
DUTY ENGINEERS	LONGFORD CO. CO.	LONGFORD
WINTER SERVICE SUPERVISORS	LONGFORD CO. CO.	LONGFORD
DRUMLISH AREA	LONGFORD CO. CO.	ESKER
GRANARD AREA	LONGFORD CO. CO.	GRANARD
LONGFORD AREA	LONGFORD CO. CO.	MACHINERY YARD
BALLYMAHON AREA	LONGFORD CO. CO.	TOOME
HEALTH & SAFETY OFFICER	LONGFORD CO. CO. DEPT OF TRANSPORT	LONGFORD
WINTER MAINTENANCE MANAGER	TII	DUBLIN
<u>SENIOR ENGINEER</u>		
TERRY MC GOVERN	LEITRIM CO. CO.	CARRICK ON SHANNON
JOHN MC KERNAN	CAVAN CO. CO.	CAVAN
JOHN MOCKLER	ROSCOMMON CO. CO.	ROSCOMMON
DAMIEN GRENNAN	WESTMEATH CO. CO.	MULLINGAR
DAVID TUBRIDY	LONGFORD CO.CO	LONGFORD

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HEAD OF FORECASTING	MET ÉIREANN	GLASNEVIN, DUBLIN
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A4 Purpose and Scope

“The purpose of this document is to identify the processes, procedures and key personnel employed by Longford County Council, to deliver the winter service for County Longford”.

A5 Policy

During winter months LCC monitor road conditions and in the event of frost and snow LCC implement a winter gritting programme based on an agreed priority schedule.

ROUTE DESIGNATION	DESCRIPTION	LEVEL OF SERVICE
Priority 1	N4 N5 N55 N63	Road to be treated during all-weather events. - (96 km)

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ROUTE DESIGNATION	DESCRIPTION			LEVEL OF SERVICE
Priority 2	R-194	R-198	R-395	<p>Roads to be treated as part of the normal winter service but may have interruptions to treatment in certain severe weather events or due to budgetary constraints</p> <p>- Regional Roads – (155km)</p> <p>- Selected Local Roads – (132 km)</p> <p>Note: The length of some Local roads listed here may only be partially treated. See map in appendix for greater detail of roads treated.</p>
	R-392	R-393	R-396`	
	R-397	R-398	R-399	
	L-1051	L-1048	L-1066	
	L-1042	L-1029	L-1057	
	L-1028	L-1155	L-1050	
	L-1099	L-1011	L-1018	
	L-1098	L-1096	L-1055	
	L-1150	L-5187	L-5196	
	L-1091	L-1127	L-1108	
	L-1103	L-1086	L-1118	
	L-1041	L-1147	L-1122	
	L-1027	L-1069	L-1056	
	L-1044	L-1100 L-	L-1065	
	L-1032	1050	L-1053	
	(Part)	L-3001	L-1040	
	L-3003	L-3004	L-3002	
	L-3006	L-3007	L-3005	
	L-3009	L-3010	L-3011	
	L-3020	L-3015	L-3008	
	L-3018	L-30033	L-3013	
	L-7003	L-3012	L-3017	
	L-70095	L-7008	L-7001	
	L-7011	L-70097	L-7009	
	L-5038	L-7012	L-70098	
	L-1167	L-1042	L-7013	
	L-1148	(Part)	L-1170	
	L-5073	L-1161	L-1171	
	L-1119	L-1055	L-1169	
	L-1039	L-5270	(Part)	
	L-5128	(Part)	L-1010	
	L-3021	L-5133	L-51333	
	L-1176	L-3014	L-3016	
	L30061	L-30145	L-7004	
	L-70041	L-70052	L-10404	
	L-1038	L-1034	L-1036	
	L-1039			
Priority 3	Routes that can be kept serviceable once Priority 1 & Priority 2 routes have been treated if resources allow			Not treated as part of the normal winter service but may receive intermittent treatment during certain severe weather events

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

A6 Overall Map of the Service Plan Area

See attached Priority Salting Route Map – Appendix 2

A7 Rosters

- Relief Drivers available for all routes.
- Duty Engineers are on a roster system.

Role	Name	Route Designation	Route Salted
Duty Engineer	David McNiff, ASEE		
Duty Engineer	Brian McNeela, ASEE		
Duty Engineer	David Coppinger SEE		
Driver	Route 1	PRIORITY 1 & 2	N4, R-393, L-50073, L-5196, L-1108, L-1118(Part), L-1122
Driver	Route 2	PRIORITY 1 & 2	N55, L 11721, L 1173, R399, R393, L 1103, L5187, L1099, L 1096
Driver	Route 3	PRIORITY 1 & 2	N63, N5, R194, L1040, L-1041, L-1055, L-1169, L-1167, L-1161 L-10404, L-1034, L-1036, L-1038, L-1039
Driver	Route 4	PRIORITY 1 & 2	R194, R395, R396, L-1056, L-1077, L5133, L5128, L1069, L1066, L1057, L1050, L1070, L1080, L1089, L1091, L1086, L1065, L1056

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Role	Name	Route Designation	Route Salted
Driver	Route 5	PRIORITY 1 & 2	R194, R198, L1029, L1028, L1042, L1044, L1048, L1051, L1053, L1056, L5072, L1032, L1018, L-1011, L5038, L1010, L1041
Driver	Route 6	PRIORITY 1 & 2	R392, R397, R398, L1155, L1147, L1150, L-1119, L-1146(part)
Driver	Route 7	PRIORITY 1 & 2	N63, R-198, R-393, L-3001, L-1175, L-1176. L-3002, L-3003, L-3004, L-3005, L-3006, L-3007, L-3008, L-7011, L-7012, L-7013 L-3009, L-3010, L-3011, L-3013, L- 3014, L-3015, L-3016 L-3017, L-3018, L-30145, L-3025, L-3026, L-30033, L-1001, L-1127, L-7001, L-7003, L-7004, L-70041, L-7008, L-7009 L-70051 L-70052, L-70094, L-70095, L-70097, L-70098

A8 Contact Details

CONTACT:	TELEPHONE NO:								
Technical support for Bureau Weather Service	Met Éireann Headquarters Glasnevin Hill Dublin 9, Ireland Tel: +353-1-8064200 Fax: +353-1-8064247 HQ location map on the right								
Garda Stations (24-hour No.)	<table> <tr> <td>Garda Station, Longford</td><td>(043) 3350570</td></tr> <tr> <td>Garda Station, Granard</td><td>(043) 6687660</td></tr> <tr> <td>Garda Station, Ballymahon</td><td>(09064) 32303</td></tr> <tr> <td>Garda Control, Mullingar</td><td>(044) 93 84000</td></tr> </table>	Garda Station, Longford	(043) 3350570	Garda Station, Granard	(043) 6687660	Garda Station, Ballymahon	(09064) 32303	Garda Control, Mullingar	(044) 93 84000
Garda Station, Longford	(043) 3350570								
Garda Station, Granard	(043) 6687660								
Garda Station, Ballymahon	(09064) 32303								
Garda Control, Mullingar	(044) 93 84000								

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CONTACT:	TELEPHONE NO:
	Garda Control, Athlone (09064) 98550 Garda Control, Carrick-on-Shannon (071) 9650510
Duty Engineers (Longford County Council) David McNiff David Coppinger Brian McNeela	(086) 0444015 (086) 1737415 (087) 0528936
Leitrim Duty Engineer	See appendix 1 for duty engineer data for Leitrim
Cavan Duty Engineer	See appendix 1 for duty engineer data for Cavan
Westmeath Duty Engineer	See appendix 1 for duty engineer data for Westmeath
Roscommon Duty Engineer	See appendix 1 for duty engineer data for Roscommon
Ambulance	Ambulance Control, Longford 999/112 (043) 3346211 Mullingar General Hospital (044) 9340221

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A9 Resources

WINTER SERVICE PLAN RESOURCES

STAFF	PLANT
Staffing for National & Local Roads winter gritting – 1 depot with 3 men for teleporter duties and 7 drivers for gritting duties.	7 Trucks 6 Truck mounted demountable Stainless Steel Gritters 1 Pickup Truck mounted demountable Stainless Steel Gritter 6 Snow Ploughs (2 hydraulic) 1 Teleporter (Hired in)
EMERGENCY NO: 999/112 OUT OF HOURS NO 185021525	EMERGENCY NO: 999/112 OUT OF HOURS NO 185021525

ADDITIONAL RESOURCES - NORTH AREA

STAFF	PLANT
Remainder of normal Staffing – 18 men, 2 GSS and 2 technical staff. 1 GSS is on call.	6 Pickup Trucks with crew cabs 4 JCBs
EMERGENCY NO: 999/112 OUT OF HOURS NO 1850211525	OFFICE NO: (043) 334346231

ADDITIONAL RESOURCES - SOUTH AREA

STAFF	PLANT
Remainder of normal Staffing - 14 men, 1 G.S.S and 2 technical staff. 1 GSS is on call.	3 Pickup trucks with crew cabs 2 Pickup trucks with day cabs 3 JCBs
EMERGENCY NO: 999/112 OUT OF HOURS NO 1850211525	OFFICE NO: (043) 334346231

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ADDITIONAL RESOURCES - MID AREA

STAFF	PLANT
Remainder of normal Staffing – 17 men, including JCB drivers	4 Pickup trucks with crew cabs
1 G.S.S and 2 technical staff.	2 Pickup trucks with day cabs
1 GSS is on call.	2 JCBs,
EMERGENCY NO: 999/112 OUT OF HOURS NO 1850211525	OFFICE NO: (043) 334346231

A10 Decision Matrix

The following table is the decision matrix guideline that the duty Engineers will refer to.

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		
The decision to undertake precautionary treatments should be, if appropriate, adjusted to take account of residual salt or surface moisture.				
All decisions should be evidence based, recorded and require careful monitoring and review.				

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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 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.

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A11 Treatment Matrix

The following table is the guideline for spreading dry unmodified salt which the Duty Engineers will refer to.

Treatment Matrix Guide for Dry Unmodified Salt

Weather Conditions	Treatment		
Road Surface Conditions	Air	Salt Spread Rate	Ploughing
Road Surface Temperature (RST)	Temperature	(gm/m ²)	
Frost or forecast frost RST at or above -2°C		20 Also refer to Notes (b) & (e)	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

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

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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.
- (e) Longford County Council's minimum rate of spread of salt is 20gm/m² and not 10.

Target Spread Rates by Location

Location	Salt Spread Rate
Carriageways	As described in the Treatment Matrix Guideline
Hard shoulder or carriageway marginal strips	50% of selected treatment
Footways, cycle tracks and pedestrian areas	25 gm/m ²

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A12 Plant, Vehicles and Equipment

“Longford County Council operates 7 demountable mounted salt spreaders and 4 snowploughs to deliver the winter service.”

Description (List each piece of equipment on its own line, & its registration plate, if applicable)	Depot Location	Capacity	Date Calibrated	Date Serviced	Date of next Calibration	Date of next Service
2 Demountable salt spreaders	Yard	6m ³	Oct 2024	Sept 2024	Oct 2025	Sept 2025
2 Demountable salt spreaders	Yard	6 m ³ 9 m ³	Oct 2024	Oct 2024	Oct2025	Sept 2025
2 Demountable salt spreaders	Yard	6 m ³	Oct 2024	Oct 2024	Oct 2025	Sept 2025
1 Demountable salt spreader	Yard	2 m ³	N/A	Nov 2024	Nov 2024	Sept 2025

Snowploughs & Loading Shovels	Depot Location	Fitted to	Date Serviced	Date of next Service
List each snowplough & loading shovel, and a unique identifier	Longford	2 Lorries as required	Nov - 2023	N/A
List each snowplough & loading shovel, and a unique identifier	Longford	2 Lorries as required	Nov - 2023	N/A
List each hydraulic snowplough(new) , and a unique identifier	Longford	2 Lorries as required	N/A	N/A

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A13 Details of Depots

Salt Depot	Total Capacity Storage Outdoor (Tonnes)	Salt Type & Grade	Depot Storage Capacity (tonnes)	Salt in Storage (tonnes)	Storage Available
Longford	-	Fine	900	900	0

A14 Materials and Spares

The Duty Engineers would order salt as per new TII instructions in conjunction with the TII liaison staff.

Orders will be sent to salt@tii.ie

The machinery yard engineer will order spare parts for the winter service plant and equipment as needed.

APPENDIX 1

DUTY ENGINEERS FOR ADJOINING COUNTIES

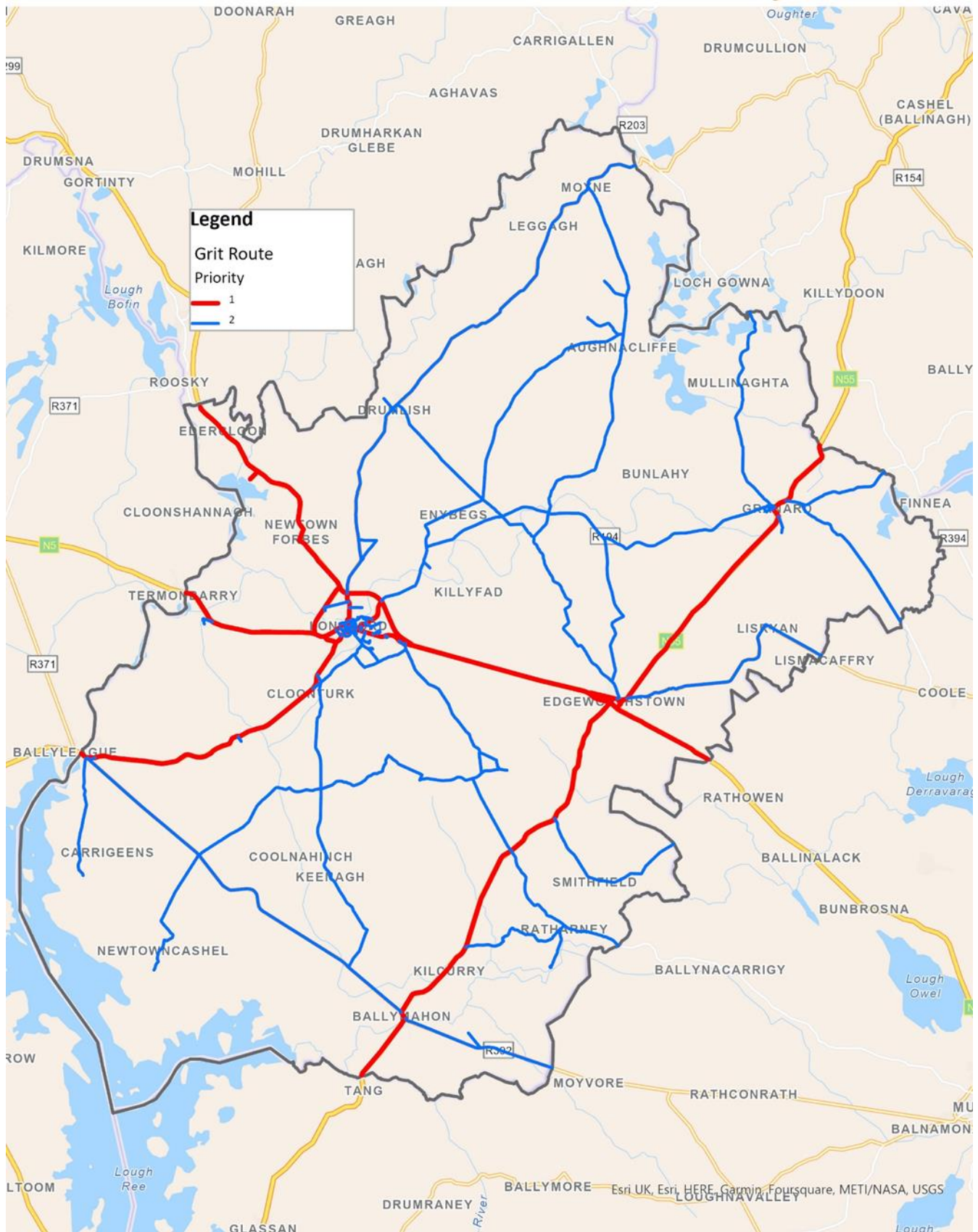
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Duty Engineer's Name	Office Phone No.	Office E-mail Address	Mobile No.
Willie Ryan	(090) 6442204	william.ryan@westmeathcoco.ie	
Pat Kavanagh	(044) 9332151	pkavanagh@westmeathcoco.ie	
Tony Buckley	(044) 9338163	abuckley@westmeathcoco.ie	
Sean Quinn	(044) 9332176	sean.quinn@westmeathcoco.ie	
Kevin Sexton (KS)	(049) 8547013	ksexton@cavancoco.ie	
Michael Jackson (MJ)	(049) 4378477	mjackson@cavancoco.ie	
Alan Lyons (AL)	(049) 4331397	alyons@cavancoco.ie	
Robert Barrett(RB)	(090) 6637351	rbarrett@roscommoncoco.ie	
John Freeman(JF)	(090) 6637264	jfreeman@roscommoncoco.ie	
John Mockler (JM)	(090) 6633748	jmockler@roscommoncoco.ie	
Dennis Whyte (DW)	09066 337109	dwhyte@roscommoncoco.ie	
Tom McDermott(TM)	09066 37346	tmcdermott@roscommoncoco.ie	
Terry Mc Govern (SOC)	071 9620005	tmcgovern@leitrimcoco.ie	
Darragh O'Boyle (DOB)	071 9645356	doboyale@leitrimcoco.ie	
Eric Gilroy (EG)	071 9620005	egilroy@leitrimcoco.ie	

APPENDIX 2

PRIORITY SALTING ROUTES FOR COUNTY LONGFORD

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Priority Salting Routes



APPENDIX 3

DRIVER SALTING ROUTES FOR COUNTY LONGFORD

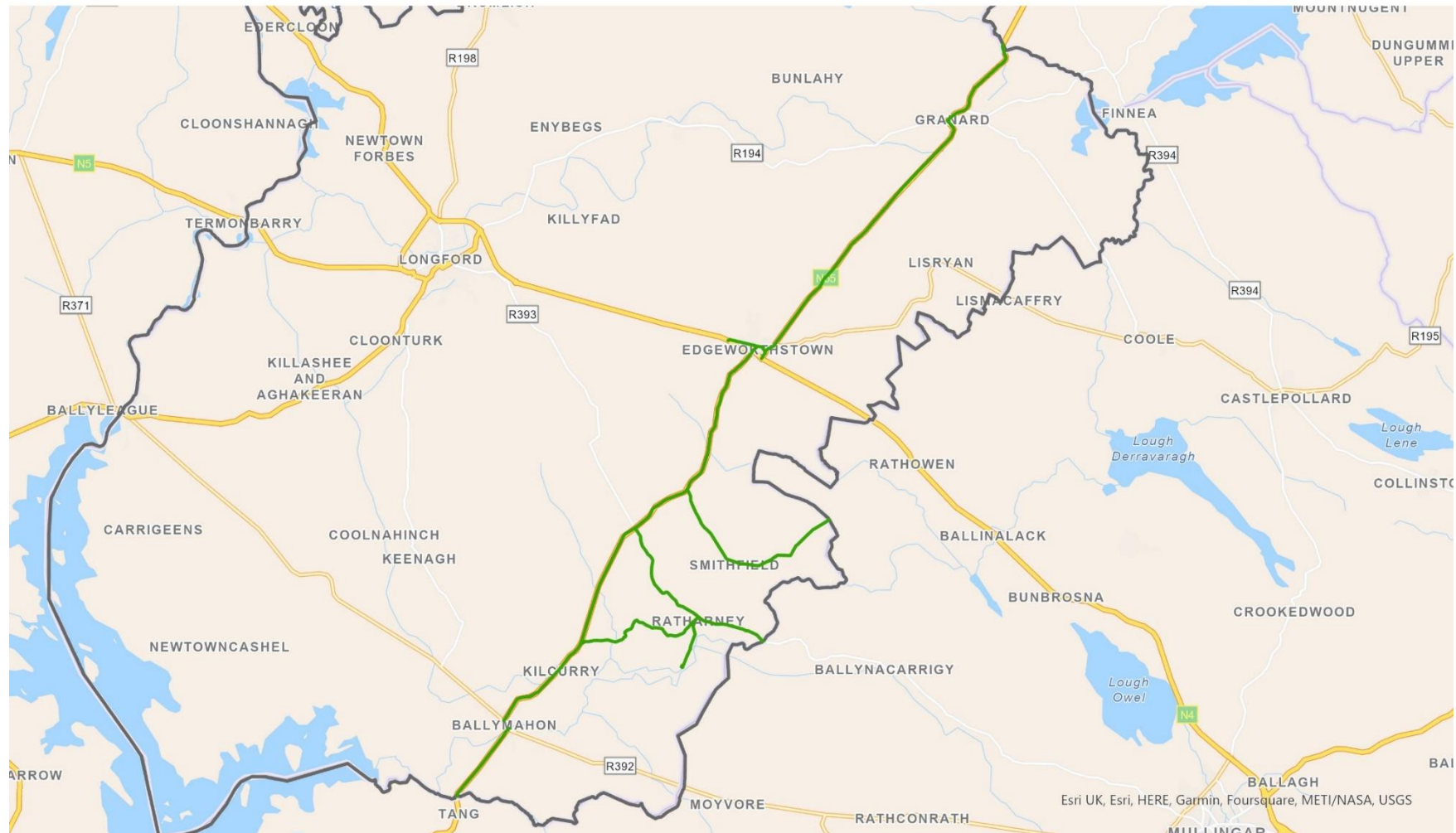
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Salting Route 1



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Salting Route 2



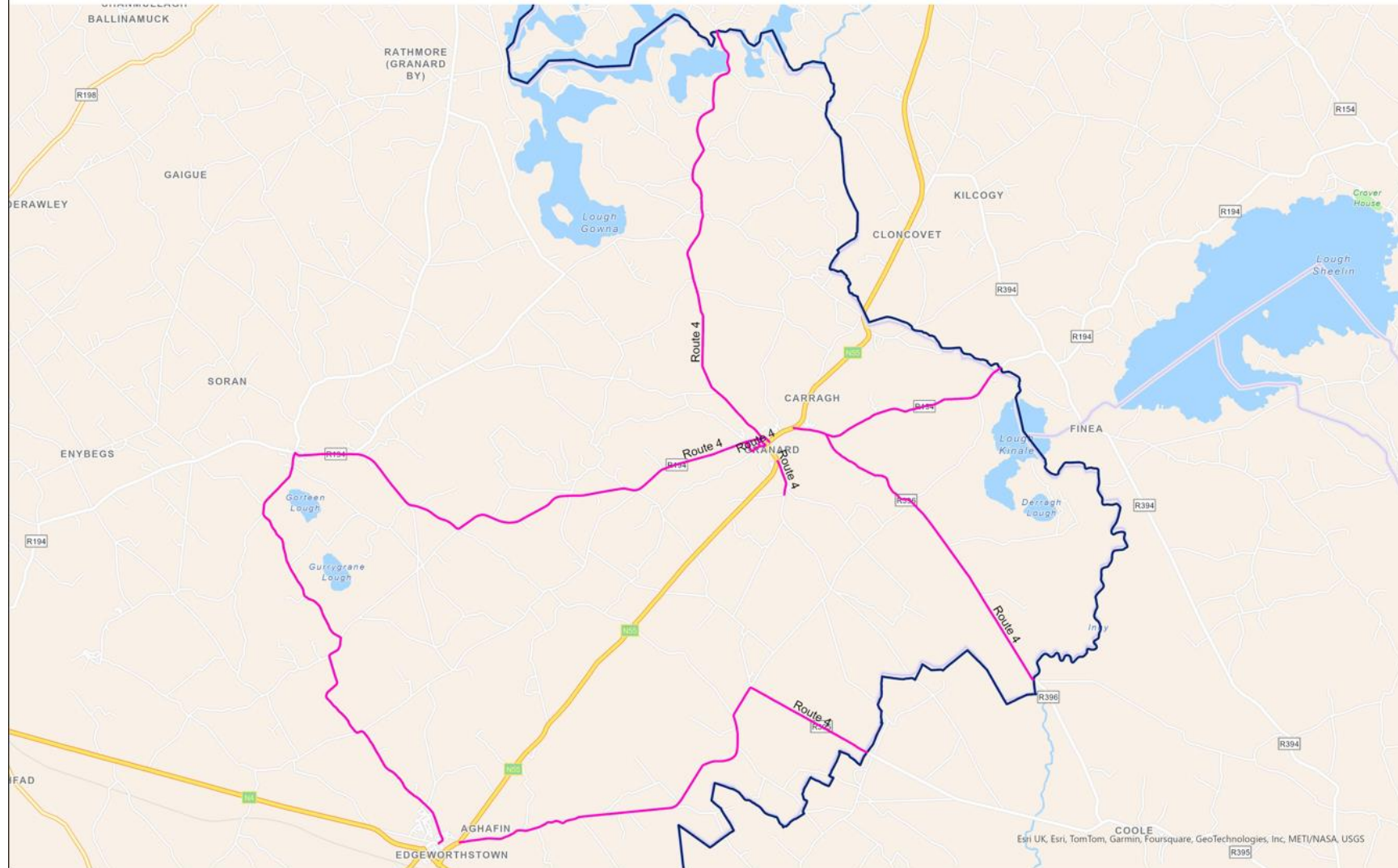
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Salting Route 3

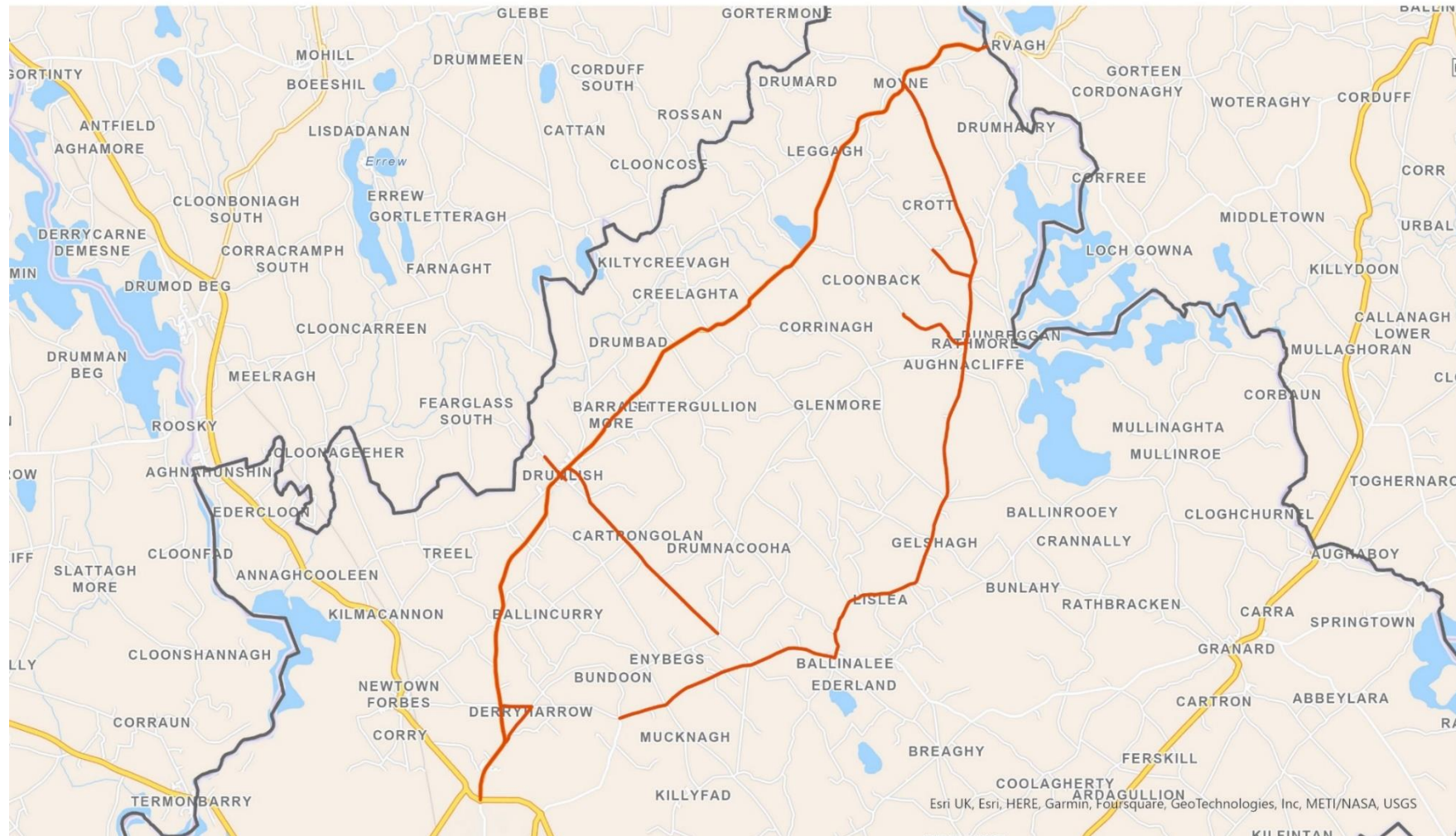


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Salting Route 4

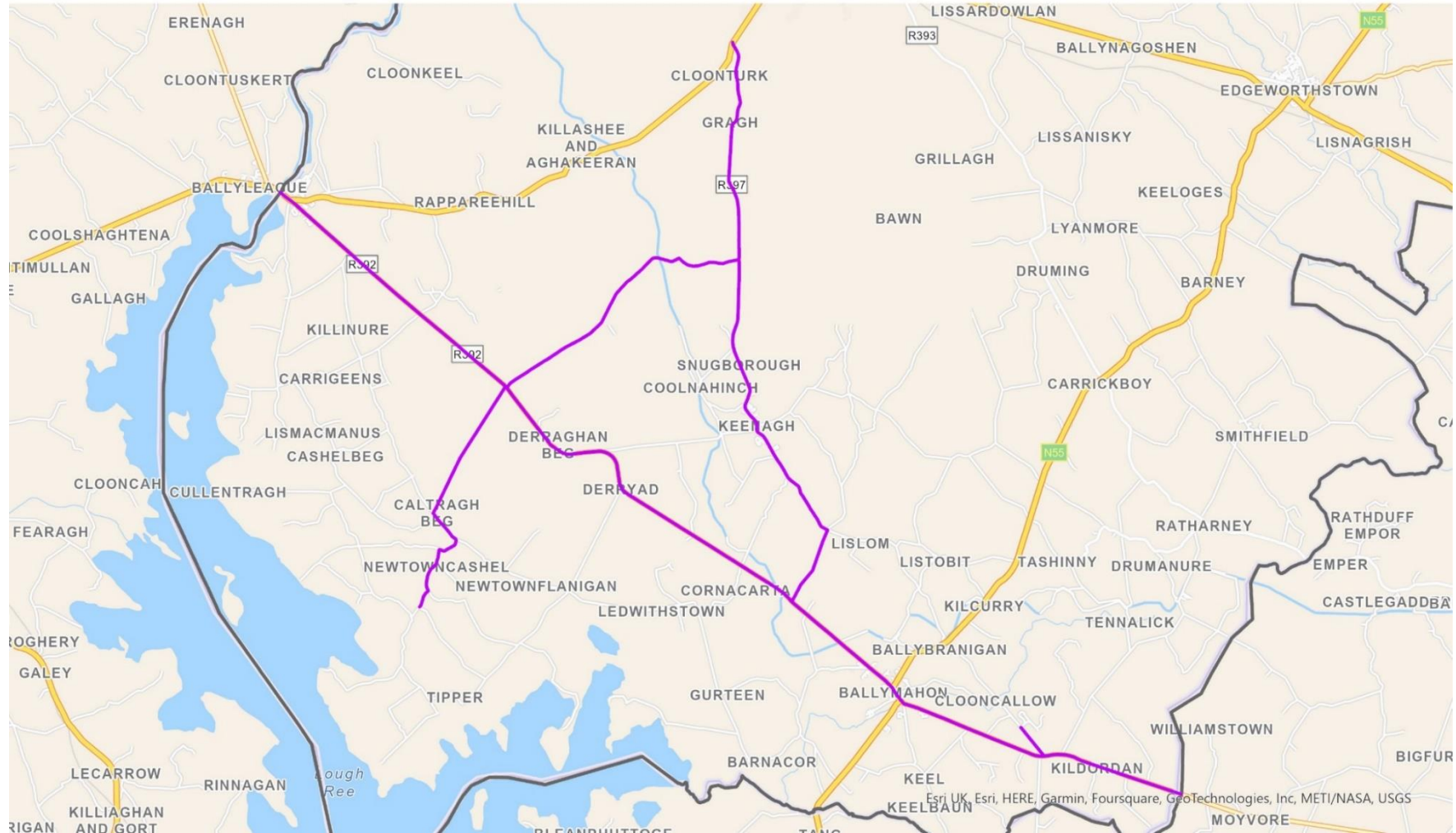


Salting Route 5



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Salting Route 6



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Salting Route 7



APPENDIX 4

SALT DEPOT DATA FOR COUNTY LONGFORD

Local Authority	Name	Position	E-Mail	Land Line	Mobile
Principal Contact	David Coppinger	SEE , Infrastructure	dcoppinger@longfordcoco.ie	(043) 3343413	(086) 1737415
Backup Contact	Brian Mc Neela	ASEE Infrastructure	bmcneela@longfordcoco.ie	(043) 3343320	(087) 0528936
Backup Contact	David McNiff	ASEE Infrastructure	dmcniff@longfordcoco.ie		(086) 0444015
Number of Salt Depots	1				

		Depot Supervisor Details			
Salt Depot Address	GPS Coords	Supervisor Name	email	Phone	Mobile
Longford	E213787 N274408	Brian MC Neela	bmcneela@longfordcoco.ie	(043) 3343320	(087) 0528936

Salt Depot	Total Capacity Storage Indoor (Tonnes)	Total Capacity Storage Outdoor (Tonnes)	Depot Storage Capacity (tonnes)	Salt in Storage (tonnes)
Longford	900	-	900	900

APPENDIX 5

Duty Engineers Roster

Winter Service Duty Engineers' Roster for the Period 14th October 2024 to 30th April 2025

Local Authority Name: LONGFORD COUNTY COUNCIL

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	DMCN	02/12/2024	DC	20/01/2025	BMcN	10/03/2025	DMCN
21/10/2024	DC	09/12/2024	BMcN	27/01/2025	DMCN	17/03/2025	DC
28/10/2024	BMcN	16/12/2024	DMCN	03/02/2025	DC	24/03/2025	BMcN
04/11/2024	DMCN	23/12/2024	DC	10/02/2025	BMcN	31/03/2025	DMCN
11/11/2024	DC	30/12/2024	BMcN	17/02/2025	DMCN	07/04/2025	DC
18/11/2024	BMcN	06/01/2025	DMCN	24/02/2025	DC	14/04/2025	BMcN
25/11/2024	DMCN	13/01/2025	DC	03/03/2025	BMcN	21/04/2025	DMCN

Duty Engineer's Name & Initials	Office Phone No	Office E-mail Address	Mobile No
Brian McNeela (BMcN)	(043) 3346231	bmcneela@longfordcoco.ie	(087) 0528936
David Coppinger (DMCN)	(043) 3346231	dcoppinger@longfordcoco.ie	(086) 1737415
David McNiff (BMcN)	(043) 3346231	dmcniff@longfordcoco.ie	(086) 0444015

Send to: CAFO, Met. Éireann, Glasnevin Hill, Dublin 9. Attention: Duty SMO. E-mail: forecasts@met.ie

Copy to: Owen Smith, Transport Infrastructure Ireland, Parkgate Business Centre, Parkgate Street, Dublin 8. E-mail: owen.smith@tii.ie